284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : AMTRAK SAWTOOTH BRIDGES 2025

PORTAL PARTNERS TRI-VENTURE

c/o Gannett Fleming Inc. Transit and Rail System

207 Senate Avenue

Camp Hill, PA - 17011

Phone No: 610-650-8101

ORDER ID : Q1194

ATTENTION : Joseph Krupansky

Laboratory Certification ID # 20012

Table Of Contents for Q1194

1) Signature Page 3

2) Case Narrative 5

2.1) VOC-TCLVOA-10- Case Narrative 5

2.2) SVOC-TCL BNA -20- Case Narrative 7

2.3) PCB- Case Narrative 10

2.4) EPH- Case Narrative 12

2.5) Metals-AES- Case Narrative 14

2.6) Genchem- Case Narrative 16

3) Qualifier Page 17

4) QA Checklist 19

5) VOC-TCLVOA-10 Data 20

6) SVOC-TCL BNA -20 Data 490

7) PCB Data 762

8) EPH Data 897

9) Metals-AES Data 1216

10) Genchem Data 1346

11) Shipping Document 1372

11.1) CHAIN OF CUSTODY 1373

11.2) Lab Certificate 1374

11.3) Internal COC 1375

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : Portal Partners Tri-Venture

Project Location : Kearny, NJ

Project Number : 950000878

Laboratory Sample ID(s) : Q1194

Sampling Date(s) : 1/25/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,6010D,7196A,7470A,7471B,8082A,8260-Low,8260D,8270E,NJEPH,SOP**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☑ Yes ☐ No ☐ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : Q1194

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q1194-01	B-110-SB01
Q1194-02	B-110-SB02
Q1194-03	B-113-SB01
Q1194-04	B-113-SB02
Q1194-08	EB
Q1194-09	FB
Q1194-10	TB

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 2/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1194
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 01/27/2025.
3 Water samples were received on 01/27/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH, EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, PCB, SVOC-TCL BNA -20, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260-Low,8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for B-110-SB01RE [4-Bromofluorobenzene - 63%], B-110-SB02 [4-Bromofluorobenzene - 68%],these compound did not meet the NJDKQP criteria but met the in-house criteria

The Internal Standards Areas met the acceptable requirements except for B-110-SB01, B-110-SB01RE The failure sample in Internal standard was reanalyzed to confirm the failure as per method and reported.

The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

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The Continuous Calibration File ID VN085516.D met the requirements except for Carbon Disulfide failing failing low but marginally low therefor no corrective action taken. and Methyl tert-butyl Ether failing high but no positive hits in associated samples therefor no corrective action taken.

The Continuous Calibration File ID VN085526.D met the requirements except for 2-Hexanone and Styrene failing high but no positive hits in associated samples therefor no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1194
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 01/27/2025.
3 Water samples were received on 01/27/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH, EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, PCB, SVOC-TCL BNA -20, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The samples were analyzed on instrument BNA_G using GC Column ZB-Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {Q1194-04MS} with File ID: BF141352.D recoveries met the requirements for all compounds except for 3,3-Dichlorobenzidine[58%], 3-Nitroaniline[54%], 4-Chloroaniline[17%], Benzaldehyde[13%], Benzo(g,h,i)perylene[58%], Dibenz(a,h)anthracene[69%], Indeno(1,2,3-cd)pyrene[69%] and Pyrene[69%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The MSD {Q1194-04MSD} with File ID: BF141353.D recoveries met the acceptable requirements except for 3,3-Dichlorobenzidine[62%], 3-Nitroaniline[54%], 4-Chloroaniline[23%], Benzaldehyde[13%], Benzo(g,h,i)perylene[58%], Dibenz(a,h)anthracene[69%], Indeno(1,2,3-cd)pyrene[69%] and Pyrene[65%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

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The RPD for {Q1194-04MSD} with File ID: BF141353.D met criteria except for 4-Chloroaniline [30%], this compound did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike for {PB166294BS} with File ID: BF141439.D met requirements for all samples except for 3,3-Dichlorobenzidine[47%], 3-Nitroaniline[53%], 4-Chloroaniline[42%], Benzaldehyde[12%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, while Hexachlorocyclopentadiene[185%], this compound did not meet the NJDKQP criteria and in-house criteria, the associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank Spike for {PB166339BS} with File ID: BF141442.D met requirements for all samples except for 3,3-Dichlorobenzidine[46%], 4-Chloroaniline[39%],3 Nitroaniline[53%], Benzaldehyde[13%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, while Hexachlorocyclopentadiene[190%], this compound did not meet the NJDKQP criteria and in-house criteria, the associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank Spike Duplicate for {PB166339BSD} with File ID: BF141443.D met requirements for all samples except for 3,3-Dichlorobenzidine[47%], 3-Nitroaniline[54%], 4-Chloroaniline[37%], Benzaldehyde[12%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, Hexachlorocyclopentadiene[190%], this compound did not meet the NJDKQP criteria and in-house criteria, the associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID BF141336.D met the requirements except for 4-Nitrophenol and Pentachlorophenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID File ID BF141410.D met the requirements except for 4,6-Dinitro-2-methylphenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:
Sample # EB was received with limited volume.
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

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Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1194
Test Name: PCB

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 01/27/2025.
3 Water samples were received on 01/27/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH, EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, PCB, SVOC-TCL BNA -20, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration File ID PO109288.D met the requirements except for Decachlorobiphenyl is failing in 1st column but passing in 2nd column therefore no corrective action taken.

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The Continuous Calibration File ID PO109302.D met the requirements except for Aroclor-1260(Peak-04),Aroclor-1260(Peak-05),Decachlorobiphenyl is failing in 1st column but passing in 2nd column therefore no corrective action taken.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1194
Test Name: EPH

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 01/27/2025.
3 Water samples were received on 01/27/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH, EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, PCB, SVOC-TCL BNA -20, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for EPH.

C. Analytical Techniques:
The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analyses were performed on instrument FID_D. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.The analysis were performed on instrument FID_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.The analysis of EPHs was based on method NJEPH and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

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E. Additional Comments:

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1194
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 01/27/2025.
3 Water samples were received on 01/27/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: EPH, EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, PCB, SVOC-TCL BNA -20, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils) and 3010 (waters).The analysis and digestion of Mercury was based on method 7470A. The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
Sample B-110-SB02 was diluted due to high concentrations for Mercury.
The Blank Spike met requirements for all samples.
The Duplicate (B-113-SB02DUP) analysis met criteria for all samples except for Cadmium due to sample matrix interference.
The Matrix Spike (B-113-SB02MS) analysis met criteria for all samples except for Beryllium, Potassium and Selenium due to Chemical Interference during Digestion process. The Matrix Spike (EBMS) analysis met criteria for all samples except for Manganese due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (B-113-SB02MSD) analysis met criteria for all samples except for Barium, Beryllium, Chromium, Copper, Potassium, Selenium and Vanadium due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (EBMSD) analysis met criteria for all samples except for Manganese due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution (B-113-SB02L) met criteria for all samples except for Calcium, Chromium, Iron, Magnesium and Manganese due to sample matrix interference.

E. Additional Comments:

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1194
Test Name: Hexavalent Chromium,Trivalent Chromium

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 01/27/2025.
3 Water samples were received on 01/27/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: EPH, EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, PCB, SVOC-TCL BNA -20, Trivalent Chromium, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for Hexavalent Chromium,Trivalent Chromium.

C. Analytical Techniques:
The analysis of Trivalent Chromium was based on method 6010D and The analysis of Hexavalent Chromium was based on method 7196A.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

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DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1194

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 02/10/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**B-110-SB01**							
Q1194-01	B-110-SB01	SOIL	Acetone	31.5		4.80	19.2	ug/Kg
			Total Voc :	31.5				
			Total Concentration:	31.5				
Client ID:	**B-110-SB01RE**							
Q1194-01RE	B-110-SB01RE	SOIL	Acetone	55.1		4.40	17.7	ug/Kg
			Total Voc :	55.1				
			Total Concentration:	55.1				
Client ID:	**B-110-SB02**							
Q1194-02	B-110-SB02	SOIL	Acetone	120		9.60	38.3	ug/Kg
			Total Voc :	120				
			Total Concentration:	120				
Client ID:	**B-113-SB02**							
Q1194-04	B-113-SB02	SOIL	Acetone	100		8.20	32.7	ug/Kg
Q1194-04	B-113-SB02	SOIL	2-Butanone	22.7	J	7.40	32.7	ug/Kg
			Total Voc :	123				
			Total Concentration:	123				
Client ID:	**FB**							
Q1194-09	FB	Water	Acetone	14.7		1.40	5.00	ug/L
			Total Voc :	14.7				
			Total Concentration:	14.7				

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.3
Sample Wt/Vol:	7.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020946.D	1		01/27/25 14:24	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	3.80	ug/Kg
74-87-3	Chloromethane	0.89	U	0.89	3.80	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	3.80	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	3.80	ug/Kg
75-00-3	Chloroethane	0.78	U	0.78	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.70	U	0.70	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.82	U	0.82	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.60	U	0.60	3.80	ug/Kg
67-64-1	Acetone	31.5		4.80	19.2	ug/Kg
75-15-0	Carbon Disulfide	0.98	U	0.98	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.52	U	0.52	3.80	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	3.80	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.65	U	0.65	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.48	U	0.48	3.80	ug/Kg
110-82-7	Cyclohexane	0.53	U	0.53	3.80	ug/Kg
78-93-3	2-Butanone	4.40	U	4.40	19.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.67	U	0.67	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.47	U	0.47	3.80	ug/Kg
74-97-5	Bromochloromethane	1.90	U	1.90	3.80	ug/Kg
67-66-3	Chloroform	0.52	U	0.52	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.60	U	0.60	3.80	ug/Kg
108-87-2	Methylcyclohexane	0.67	U	0.67	3.80	ug/Kg
71-43-2	Benzene	0.55	U	0.55	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.47	U	0.47	3.80	ug/Kg
79-01-6	Trichloroethene	0.58	U	0.58	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.51	U	0.51	3.80	ug/Kg
75-27-4	Bromodichloromethane	0.43	U	0.43	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	19.2	ug/Kg
108-88-3	Toluene	0.52	U	0.52	3.80	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.3
Sample Wt/Vol:	7.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020946.D	1		01/27/25 14:24	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.46	U	0.46	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.44	U	0.44	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.65	U	0.65	3.80	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	19.2	ug/Kg
124-48-1	Dibromochloromethane	0.50	U	0.50	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.61	U	0.61	3.80	ug/Kg
127-18-4	Tetrachloroethene	0.68	U	0.68	3.80	ug/Kg
108-90-7	Chlorobenzene	0.57	U	0.57	3.80	ug/Kg
100-41-4	Ethyl Benzene	0.48	U	0.48	3.80	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	7.70	ug/Kg
95-47-6	o-Xylene	0.54	U	0.54	3.80	ug/Kg
100-42-5	Styrene	0.46	U	0.46	3.80	ug/Kg
75-25-2	Bromoform	0.62	U	0.62	3.80	ug/Kg
98-82-8	Isopropylbenzene	0.52	U	0.52	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.85	U	0.85	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.57	U	0.57	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.62	U	0.62	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.45	U	0.45	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.61	U	0.61	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.60	U	0.60	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.4		70 (50) - 130 (163)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	45.4		70 (58) - 130 (134)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.8		70 (29) - 130 (146)	78%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	155000	7.719			
540-36-3	1,4-Difluorobenzene	236000	8.628			
3114-55-4	Chlorobenzene-d5	188000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	75000	13.359			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.3
Sample Wt/Vol:	7.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020946.D	1		01/27/25 14:24	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01RE	SDG No.:	Q1194
Lab Sample ID:	Q1194-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.3
Sample Wt/Vol:	7.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020950.D	1		01/27/25 16:01	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	3.50	ug/Kg
74-87-3	Chloromethane	0.82	U	0.82	3.50	ug/Kg
75-01-4	Vinyl Chloride	0.55	U	0.55	3.50	ug/Kg
74-83-9	Bromomethane	0.73	U	0.73	3.50	ug/Kg
75-00-3	Chloroethane	0.72	U	0.72	3.50	ug/Kg
75-69-4	Trichlorofluoromethane	0.65	U	0.65	3.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	3.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.55	U	0.55	3.50	ug/Kg
67-64-1	Acetone	55.1		4.40	17.7	ug/Kg
75-15-0	Carbon Disulfide	0.91	U	0.91	3.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.48	U	0.48	3.50	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	3.50	ug/Kg
75-09-2	Methylene Chloride	2.40	U	2.40	7.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.60	U	0.60	3.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.45	U	0.45	3.50	ug/Kg
110-82-7	Cyclohexane	0.49	U	0.49	3.50	ug/Kg
78-93-3	2-Butanone	4.00	U	4.00	17.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.62	U	0.62	3.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.43	U	0.43	3.50	ug/Kg
74-97-5	Bromochloromethane	1.70	U	1.70	3.50	ug/Kg
67-66-3	Chloroform	0.48	U	0.48	3.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.55	U	0.55	3.50	ug/Kg
108-87-2	Methylcyclohexane	0.62	U	0.62	3.50	ug/Kg
71-43-2	Benzene	0.51	U	0.51	3.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.43	U	0.43	3.50	ug/Kg
79-01-6	Trichloroethene	0.53	U	0.53	3.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.47	U	0.47	3.50	ug/Kg
75-27-4	Bromodichloromethane	0.40	U	0.40	3.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.10	U	3.10	17.7	ug/Kg
108-88-3	Toluene	0.48	U	0.48	3.50	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01RE	SDG No.:	Q1194
Lab Sample ID:	Q1194-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.3
Sample Wt/Vol:	7.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020950.D	1		01/27/25 16:01	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.43	U	0.43	3.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.40	3.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.60	U	0.60	3.50	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	17.7	ug/Kg
124-48-1	Dibromochloromethane	0.46	U	0.46	3.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.56	U	0.56	3.50	ug/Kg
127-18-4	Tetrachloroethene	0.63	U	0.63	3.50	ug/Kg
108-90-7	Chlorobenzene	0.53	U	0.53	3.50	ug/Kg
100-41-4	Ethyl Benzene	0.44	U	0.44	3.50	ug/Kg
179601-23-1	m/p-Xylenes	0.96	U	0.96	7.10	ug/Kg
95-47-6	o-Xylene	0.50	U	0.50	3.50	ug/Kg
100-42-5	Styrene	0.43	U	0.43	3.50	ug/Kg
75-25-2	Bromoform	0.57	U	0.57	3.50	ug/Kg
98-82-8	Isopropylbenzene	0.48	U	0.48	3.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.78	U	0.78	3.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.53	U	0.53	3.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.57	U	0.57	3.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.42	U	0.42	3.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.10	U	1.10	3.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.56	U	0.56	3.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.55	U	0.55	3.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.1		70 (50) - 130 (163)	130%	SPK: 50
1868-53-7	Dibromofluoromethane	60.2		70 (54) - 130 (147)	120%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (58) - 130 (134)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	31.4	*	70 (29) - 130 (146)	63%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	21100	7.713			
540-36-3	1,4-Difluorobenzene	30000	8.616			
3114-55-4	Chlorobenzene-d5	22500	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	4580	13.352			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01RE	SDG No.:	Q1194
Lab Sample ID:	Q1194-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.3
Sample Wt/Vol:	7.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020950.D	1		01/27/25 16:01	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	57
Sample Wt/Vol:	5.72 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020947.D	1		01/27/25 14:47	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.50	U	2.50	7.70	ug/Kg
74-87-3	Chloromethane	1.80	U	1.80	7.70	ug/Kg
75-01-4	Vinyl Chloride	1.20	U	1.20	7.70	ug/Kg
74-83-9	Bromomethane	1.60	U	1.60	7.70	ug/Kg
75-00-3	Chloroethane	1.50	U	1.50	7.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.40	U	1.40	7.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.60	U	1.60	7.70	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	7.70	ug/Kg
67-64-1	Acetone	120		9.60	38.3	ug/Kg
75-15-0	Carbon Disulfide	2.00	U	2.00	7.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.00	U	1.00	7.70	ug/Kg
79-20-9	Methyl Acetate	2.80	U	2.80	7.70	ug/Kg
75-09-2	Methylene Chloride	5.20	U	5.20	15.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.30	U	1.30	7.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.97	U	0.97	7.70	ug/Kg
110-82-7	Cyclohexane	1.10	U	1.10	7.70	ug/Kg
78-93-3	2-Butanone	8.70	U	8.70	38.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.30	U	1.30	7.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.94	U	0.94	7.70	ug/Kg
74-97-5	Bromochloromethane	3.70	U	3.70	7.70	ug/Kg
67-66-3	Chloroform	1.00	U	1.00	7.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	7.70	ug/Kg
108-87-2	Methylcyclohexane	1.30	U	1.30	7.70	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.94	U	0.94	7.70	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.70	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	7.70	ug/Kg
75-27-4	Bromodichloromethane	0.86	U	0.86	7.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.70	U	6.70	38.3	ug/Kg
108-88-3	Toluene	1.00	U	1.00	7.70	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	57
Sample Wt/Vol:	5.72 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020947.D	1		01/27/25 14:47	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.92	U	0.92	7.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.87	U	0.87	7.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.30	U	1.30	7.70	ug/Kg
591-78-6	2-Hexanone	7.30	U	7.30	38.3	ug/Kg
124-48-1	Dibromochloromethane	1.00	U	1.00	7.70	ug/Kg
106-93-4	1,2-Dibromoethane	1.20	U	1.20	7.70	ug/Kg
127-18-4	Tetrachloroethene	1.40	U	1.40	7.70	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	7.70	ug/Kg
100-41-4	Ethyl Benzene	0.95	U	0.95	7.70	ug/Kg
179601-23-1	m/p-Xylenes	2.10	U	2.10	15.3	ug/Kg
95-47-6	o-Xylene	1.10	U	1.10	7.70	ug/Kg
100-42-5	Styrene	0.92	U	0.92	7.70	ug/Kg
75-25-2	Bromoform	1.20	U	1.20	7.70	ug/Kg
98-82-8	Isopropylbenzene	1.00	U	1.00	7.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1.70	7.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.10	U	1.10	7.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	7.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.90	U	0.90	7.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.40	U	2.40	7.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.20	U	1.20	7.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.20	U	1.20	7.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.2		70 (50) - 130 (163)	88%	SPK: 50
1868-53-7	Dibromofluoromethane	45.9		70 (54) - 130 (147)	92%	SPK: 50
2037-26-5	Toluene-d8	44.6		70 (58) - 130 (134)	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.9	*	70 (29) - 130 (146)	68%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	382000	7.713			
540-36-3	1,4-Difluorobenzene	583000	8.622			
3114-55-4	Chlorobenzene-d5	420000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	153000	13.352			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	57
Sample Wt/Vol:	5.72 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020947.D	1		01/27/25 14:47	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.9
Sample Wt/Vol:	7.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020951.D	1		01/27/25 16:24	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	4.00	ug/Kg
74-87-3	Chloromethane	0.93	U	0.93	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.62	U	0.62	4.00	ug/Kg
74-83-9	Bromomethane	0.83	U	0.83	4.00	ug/Kg
75-00-3	Chloroethane	0.81	U	0.81	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.73	U	0.73	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.63	U	0.63	4.00	ug/Kg
67-64-1	Acetone	5.00	U	5.00	20.0	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	4.00	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.00	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.67	U	0.67	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.50	U	0.50	4.00	ug/Kg
110-82-7	Cyclohexane	0.55	U	0.55	4.00	ug/Kg
78-93-3	2-Butanone	4.60	U	4.60	20.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.70	U	0.70	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.49	U	0.49	4.00	ug/Kg
74-97-5	Bromochloromethane	1.90	U	1.90	4.00	ug/Kg
67-66-3	Chloroform	0.54	U	0.54	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.70	U	0.70	4.00	ug/Kg
71-43-2	Benzene	0.58	U	0.58	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.49	U	0.49	4.00	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.53	U	0.53	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.45	U	0.45	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	20.0	ug/Kg
108-88-3	Toluene	0.54	U	0.54	4.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.9
Sample Wt/Vol:	7.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020951.D	1		01/27/25 16:24	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.67	U	0.67	4.00	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	20.0	ug/Kg
124-48-1	Dibromochloromethane	0.52	U	0.52	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.63	U	0.63	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	0.71	4.00	ug/Kg
108-90-7	Chlorobenzene	0.59	U	0.59	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	4.00	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.00	ug/Kg
95-47-6	o-Xylene	0.56	U	0.56	4.00	ug/Kg
100-42-5	Styrene	0.48	U	0.48	4.00	ug/Kg
75-25-2	Bromoform	0.65	U	0.65	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.54	U	0.54	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.88	U	0.88	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.59	U	0.59	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.64	U	0.64	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.47	U	0.47	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.63	U	0.63	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.63	U	0.63	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		70 (50) - 130 (163)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		70 (54) - 130 (147)	95%	SPK: 50
2037-26-5	Toluene-d8	47.1		70 (58) - 130 (134)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		70 (29) - 130 (146)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	428000	7.713			
540-36-3	1,4-Difluorobenzene	667000	8.615			
3114-55-4	Chlorobenzene-d5	539000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	250000	13.352			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.9
Sample Wt/Vol:	7.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020951.D	1		01/27/25 16:24	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	64.7
Sample Wt/Vol:	5.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020949.D	1		01/27/25 15:32	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.20	U	2.20	6.50	ug/Kg
74-87-3	Chloromethane	1.50	U	1.50	6.50	ug/Kg
75-01-4	Vinyl Chloride	1.00	U	1.00	6.50	ug/Kg
74-83-9	Bromomethane	1.30	U	1.30	6.50	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	6.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	6.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	U	1.40	6.50	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	6.50	ug/Kg
67-64-1	Acetone	100		8.20	32.7	ug/Kg
75-15-0	Carbon Disulfide	1.70	U	1.70	6.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.88	U	0.88	6.50	ug/Kg
79-20-9	Methyl Acetate	2.40	U	2.40	6.50	ug/Kg
75-09-2	Methylene Chloride	4.50	U	4.50	13.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.83	U	0.83	6.50	ug/Kg
110-82-7	Cyclohexane	0.90	U	0.90	6.50	ug/Kg
78-93-3	2-Butanone	22.7	J	7.40	32.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	6.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	6.50	ug/Kg
74-97-5	Bromochloromethane	3.20	U	3.20	6.50	ug/Kg
67-66-3	Chloroform	0.88	U	0.88	6.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	6.50	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.50	ug/Kg
71-43-2	Benzene	0.94	U	0.94	6.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.80	U	0.80	6.50	ug/Kg
79-01-6	Trichloroethene	0.98	U	0.98	6.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.86	U	0.86	6.50	ug/Kg
75-27-4	Bromodichloromethane	0.73	U	0.73	6.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.70	U	5.70	32.7	ug/Kg
108-88-3	Toluene	0.88	U	0.88	6.50	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	64.7
Sample Wt/Vol:	5.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020949.D	1		01/27/25 15:32	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.79	U	0.79	6.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.75	U	0.75	6.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.50	ug/Kg
591-78-6	2-Hexanone	6.30	U	6.30	32.7	ug/Kg
124-48-1	Dibromochloromethane	0.85	U	0.85	6.50	ug/Kg
106-93-4	1,2-Dibromoethane	1.00	U	1.00	6.50	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	6.50	ug/Kg
108-90-7	Chlorobenzene	0.97	U	0.97	6.50	ug/Kg
100-41-4	Ethyl Benzene	0.81	U	0.81	6.50	ug/Kg
179601-23-1	m/p-Xylenes	1.80	U	1.80	13.1	ug/Kg
95-47-6	o-Xylene	0.92	U	0.92	6.50	ug/Kg
100-42-5	Styrene	0.79	U	0.79	6.50	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.50	ug/Kg
98-82-8	Isopropylbenzene	0.88	U	0.88	6.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1.40	6.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.97	U	0.97	6.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.00	U	1.00	6.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.77	U	0.77	6.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	6.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	6.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.00	U	1.00	6.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		70 (50) - 130 (163)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (54) - 130 (147)	101%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (58) - 130 (134)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.6		70 (29) - 130 (146)	73%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	332000	7.713			
540-36-3	1,4-Difluorobenzene	507000	8.616			
3114-55-4	Chlorobenzene-d5	370000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.353			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	64.7
Sample Wt/Vol:	5.9 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020949.D	1		01/27/25 15:32	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	FB	SDG No.:	Q1194
Lab Sample ID:	Q1194-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085533.D	1		01/28/25 13:00	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	14.7		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	FB	SDG No.:	Q1194
Lab Sample ID:	Q1194-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085533.D	1		01/28/25 13:00	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.8		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	49.4		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		70 (77) - 130 (121)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	169000	8.224			
540-36-3	1,4-Difluorobenzene	313000	9.1			
3114-55-4	Chlorobenzene-d5	274000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	107000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	FB	SDG No.:	Q1194
Lab Sample ID:	Q1194-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085533.D	1		01/28/25 13:00	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	TB	SDG No.:	Q1194
Lab Sample ID:	Q1194-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085523.D	1		01/27/25 17:58	VN012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	TB	SDG No.:	Q1194
Lab Sample ID:	Q1194-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085523.D	1		01/27/25 17:58	VN012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	8.224			
540-36-3	1,4-Difluorobenzene	326000	9.1			
3114-55-4	Chlorobenzene-d5	288000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	TB	SDG No.:	Q1194
Lab Sample ID:	Q1194-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085523.D	1		01/27/25 17:58	VN012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

Alliance TECHNICAL GROUP
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Surrogate Summary

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q1194-01	B-110-SB01	1,2-Dichloroethane-d4	50	50.4	101		70 (50)	130 (163)
		Dibromofluoromethane	50	49.4	99		70 (54)	130 (147)
		Toluene-d8	50	45.4	91		70 (58)	130 (134)
		4-Bromofluorobenzene	50	38.9	78		70 (29)	130 (146)
Q1194-01RE	B-110-SB01RE	1,2-Dichloroethane-d4	50	65.1	130		70 (50)	130 (163)
		Dibromofluoromethane	50	60.2	120		70 (54)	130 (147)
		Toluene-d8	50	48.2	96		70 (58)	130 (134)
		4-Bromofluorobenzene	50	31.4	63	*	70 (29)	130 (146)
Q1194-02	B-110-SB02	1,2-Dichloroethane-d4	50	44.2	88		70 (50)	130 (163)
		Dibromofluoromethane	50	45.9	92		70 (54)	130 (147)
		Toluene-d8	50	44.5	89		70 (58)	130 (134)
		4-Bromofluorobenzene	50	33.9	68	*	70 (29)	130 (146)
Q1194-03	B-113-SB01	1,2-Dichloroethane-d4	50	47.8	96		70 (50)	130 (163)
		Dibromofluoromethane	50	47.6	95		70 (54)	130 (147)
		Toluene-d8	50	47.1	94		70 (58)	130 (134)
		4-Bromofluorobenzene	50	43.7	87		70 (29)	130 (146)
Q1194-04	B-113-SB02	1,2-Dichloroethane-d4	50	50.2	100		70 (50)	130 (163)
		Dibromofluoromethane	50	50.6	101		70 (54)	130 (147)
		Toluene-d8	50	47.6	95		70 (58)	130 (134)
		4-Bromofluorobenzene	50	36.6	73		70 (29)	130 (146)
VY0127SBL01	VY0127SBL01	1,2-Dichloroethane-d4	50	63.1	126		70 (50)	130 (163)
		Dibromofluoromethane	50	55.1	110		70 (54)	130 (147)
		Toluene-d8	50	51.7	103		70 (58)	130 (134)
		4-Bromofluorobenzene	50	47.2	94		70 (29)	130 (146)
VY0127SBS01	VY0127SBS01	1,2-Dichloroethane-d4	50	48.5	97		70 (50)	130 (163)
		Dibromofluoromethane	50	47.0	94		70 (54)	130 (147)
		Toluene-d8	50	46.6	93		70 (58)	130 (134)
		4-Bromofluorobenzene	50	47.9	96		70 (29)	130 (146)
VY0127SBSD01	VY0127SBSD01	1,2-Dichloroethane-d4	50	49.9	100		70 (50)	130 (163)
		Dibromofluoromethane	50	48.4	97		70 (54)	130 (147)
		Toluene-d8	50	48.3	97		70 (58)	130 (134)
		4-Bromofluorobenzene	50	48.3	97		70 (29)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1194-09	FB	1,2-Dichloroethane-d4	50	54.8	110	70 (74)	130 (125)
		Dibromofluoromethane	50	51.8	104	70 (75)	130 (124)
		Toluene-d8	50	49.4	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.4	87	70 (77)	130 (121)
Q1194-10	TB	1,2-Dichloroethane-d4	50	53.2	106	70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103	70 (75)	130 (124)
		Toluene-d8	50	49.3	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.0	94	70 (77)	130 (121)
VN0127WBL01	VN0127WBL01	1,2-Dichloroethane-d4	50	51.2	102	70 (74)	130 (125)
		Dibromofluoromethane	50	51.0	102	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.7	91	70 (77)	130 (121)
VN0127WBS01	VN0127WBS01	1,2-Dichloroethane-d4	50	47.3	95	70 (74)	130 (125)
		Dibromofluoromethane	50	49.1	98	70 (75)	130 (124)
		Toluene-d8	50	48.9	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.4	99	70 (77)	130 (121)
VN0127WBSD0	VN0127WBSD01	1,2-Dichloroethane-d4	50	47.6	95	70 (74)	130 (125)
		Dibromofluoromethane	50	48.0	96	70 (75)	130 (124)
		Toluene-d8	50	47.8	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.0	100	70 (77)	130 (121)
VN0128WBL01	VN0128WBL01	1,2-Dichloroethane-d4	50	53.7	107	70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.2	88	70 (77)	130 (121)
VN0128WBS01	VN0128WBS01	1,2-Dichloroethane-d4	50	51.1	102	70 (74)	130 (125)
		Dibromofluoromethane	50	53.2	106	70 (75)	130 (124)
		Toluene-d8	50	54.1	108	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.0	104	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085519.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0127WBS01	Dichlorodifluoromethane	20	15.9	ug/L	79			40 (69)	160 (116)	
	Chloromethane	20	15.6	ug/L	78			40 (65)	160 (116)	
	Vinyl chloride	20	16.1	ug/L	81			70 (65)	130 (117)	
	Bromomethane	20	16.7	ug/L	84			40 (58)	160 (125)	
	Chloroethane	20	16.8	ug/L	84			40 (56)	160 (128)	
	Trichlorofluoromethane	20	17.9	ug/L	90			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	17.5	ug/L	88			70 (80)	130 (112)	
	1,1-Dichloroethene	20	17.7	ug/L	89			70 (74)	130 (110)	
	Acetone	100	91.4	ug/L	91			40 (60)	160 (125)	
	Carbon disulfide	20	14.8	ug/L	74			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.1	ug/L	96			70 (78)	130 (114)	
	Methyl Acetate	20	19.9	ug/L	100			70 (67)	130 (125)	
	Methylene Chloride	20	17.8	ug/L	89			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	17.4	ug/L	87			70 (75)	130 (108)	
	1,1-Dichloroethane	20	17.9	ug/L	90			70 (78)	130 (112)	
	Cyclohexane	20	16.7	ug/L	84			70 (75)	130 (110)	
	2-Butanone	100	94.5	ug/L	95			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.2	ug/L	91			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	17.8	ug/L	89			70 (77)	130 (110)	
	Bromochloromethane	20	17.5	ug/L	88			70 (70)	130 (124)	
	Chloroform	20	18.3	ug/L	92			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.5	ug/L	93			70 (80)	130 (108)	
	Methylcyclohexane	20	17.3	ug/L	86			70 (72)	130 (115)	
	Benzene	20	18.2	ug/L	91			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.4	ug/L	92			70 (80)	130 (115)	
	Trichloroethene	20	17.7	ug/L	89			70 (77)	130 (113)	
	1,2-Dichloropropane	20	18.1	ug/L	91			70 (83)	130 (111)	
	Bromodichloromethane	20	19.0	ug/L	95			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	99.0	ug/L	99			40 (74)	160 (118)	
	Toluene	20	19.1	ug/L	96			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.7	ug/L	94			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.1	ug/L	96			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	18.8	ug/L	94			70 (83)	130 (112)	
	2-Hexanone	100	100	ug/L	100			40 (73)	160 (117)	
	Dibromochloromethane	20	18.8	ug/L	94			70 (82)	130 (110)	
	1,2-Dibromoethane	20	18.6	ug/L	93			70 (81)	130 (110)	
	Tetrachloroethene	20	19.6	ug/L	98			70 (67)	130 (123)	
	Chlorobenzene	20	18.3	ug/L	92			70 (82)	130 (109)	
	Ethyl Benzene	20	18.7	ug/L	94			70 (83)	130 (109)	
	m/p-Xylenes	40	38.3	ug/L	96			70 (82)	130 (110)	
	o-Xylene	20	19.1	ug/L	96			70 (83)	130 (109)	
	Styrene	20	19.6	ug/L	98			70 (80)	130 (111)	
	Bromoform	20	19.6	ug/L	98			70 (79)	130 (109)	
	Isopropylbenzene	20	19.2	ug/L	96			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	17.7	ug/L	89			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.6	ug/L	88			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	17.9	ug/L	90			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085519.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0127WBS01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/L	96			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.3	ug/L	86			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	16.8	ug/L	84			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085520.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0127WBSD01	Dichlorodifluoromethane	20	16.0	ug/L	80	1		40 (69)	160 (116)	20 (20)
	Chloromethane	20	15.6	ug/L	78	0		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	15.5	ug/L	78	4		70 (65)	130 (117)	20 (20)
	Bromomethane	20	16.2	ug/L	81	4		40 (58)	160 (125)	20 (20)
	Chloroethane	20	16.3	ug/L	81	4		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	16.9	ug/L	85	6		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	17.6	ug/L	88	0		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	17.4	ug/L	87	2		70 (74)	130 (110)	20 (20)
	Acetone	100	96.0	ug/L	96	5		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	14.3	ug/L	72	3		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.4	ug/L	97	1		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	20.5	ug/L	103	3		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	17.3	ug/L	86	3		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	17.1	ug/L	86	1		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	17.7	ug/L	89	1		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	16.1	ug/L	81	4		70 (75)	130 (110)	20 (20)
	2-Butanone	100	98.1	ug/L	98	3		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	17.8	ug/L	89	2		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	17.7	ug/L	89	0		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	17.5	ug/L	88	0		70 (70)	130 (124)	20 (20)
	Chloroform	20	17.9	ug/L	90	2		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	17.9	ug/L	90	3		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	16.8	ug/L	84	2		70 (72)	130 (115)	20 (20)
	Benzene	20	18.2	ug/L	91	0		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	18.8	ug/L	94	2		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.9	ug/L	90	1		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	18.1	ug/L	91	0		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	19.2	ug/L	96	1		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	100	ug/L	100	1		40 (74)	160 (118)	20 (20)
	Toluene	20	18.9	ug/L	95	1		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.5	ug/L	98	4		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	18.9	ug/L	95	1		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	19.4	ug/L	97	3		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	100	ug/L	100	0		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	19.1	ug/L	96	2		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.1	ug/L	96	3		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	18.6	ug/L	93	5		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	18.4	ug/L	92	0		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	18.6	ug/L	93	1		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	38.7	ug/L	97	1		70 (82)	130 (110)	20 (20)
	o-Xylene	20	19.0	ug/L	95	1		70 (83)	130 (109)	20 (20)
	Styrene	20	19.5	ug/L	98	0		70 (80)	130 (111)	20 (20)
	Bromoform	20	20.2	ug/L	101	3		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.0	ug/L	95	1		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96	3		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	18.9	ug/L	95	7		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	18.0	ug/L	90	2		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	18.7	ug/L	94	4		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085520.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0127WBSD01	1,2-Dibromo-3-Chloropropane	20	20.7	ug/L	104	8		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90	5		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	18.1	ug/L	91	8		70 (76)	130 (114)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085529.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0128WBS01	Dichlorodifluoromethane	20	18.3	ug/L	92			40 (69)	160 (116)	
	Chloromethane	20	17.3	ug/L	86			40 (65)	160 (116)	
	Vinyl chloride	20	18.2	ug/L	91			70 (65)	130 (117)	
	Bromomethane	20	19.5	ug/L	98			40 (58)	160 (125)	
	Chloroethane	20	19.8	ug/L	99			40 (56)	160 (128)	
	Trichlorofluoromethane	20	20.7	ug/L	104			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/L	103			70 (80)	130 (112)	
	1,1-Dichloroethene	20	19.1	ug/L	96			70 (74)	130 (110)	
	Acetone	100	100	ug/L	100			40 (60)	160 (125)	
	Carbon disulfide	20	16.4	ug/L	82			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.9	ug/L	104			70 (78)	130 (114)	
	Methyl Acetate	20	22.8	ug/L	114			70 (67)	130 (125)	
	Methylene Chloride	20	19.8	ug/L	99			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.9	ug/L	95			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.1	ug/L	101			70 (78)	130 (112)	
	Cyclohexane	20	17.6	ug/L	88			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.5	ug/L	103			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.9	ug/L	100			70 (77)	130 (110)	
	Bromochloromethane	20	16.1	ug/L	81			70 (70)	130 (124)	
	Chloroform	20	20.6	ug/L	103			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.4	ug/L	102			70 (80)	130 (108)	
	Methylcyclohexane	20	18.9	ug/L	95			70 (72)	130 (115)	
	Benzene	20	20.7	ug/L	104			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.0	ug/L	105			70 (80)	130 (115)	
	Trichloroethene	20	20.4	ug/L	102			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.7	ug/L	104			70 (83)	130 (111)	
	Bromodichloromethane	20	21.7	ug/L	109			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	120	ug/L	120			40 (74)	160 (118)	
	Toluene	20	21.9	ug/L	110			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	21.4	ug/L	107			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	21.5	ug/L	108			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			70 (83)	130 (112)	
	2-Hexanone	100	120	ug/L	120			40 (73)	160 (117)	
	Dibromochloromethane	20	21.2	ug/L	106			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.6	ug/L	103			70 (81)	130 (110)	
	Tetrachloroethene	20	21.7	ug/L	109			70 (67)	130 (123)	
	Chlorobenzene	20	20.6	ug/L	103			70 (82)	130 (109)	
	Ethyl Benzene	20	20.8	ug/L	104			70 (83)	130 (109)	
	m/p-Xylenes	40	43.1	ug/L	108			70 (82)	130 (110)	
	o-Xylene	20	20.9	ug/L	104			70 (83)	130 (109)	
	Styrene	20	21.3	ug/L	106			70 (80)	130 (111)	
	Bromoform	20	22.5	ug/L	113			70 (79)	130 (109)	
	Isopropylbenzene	20	20.9	ug/L	104			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	21.6	ug/L	108			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	20.8	ug/L	104			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.8	ug/L	99			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	20.4	ug/L	102			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085529.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0128WBS01	1,2-Dibromo-3-Chloropropane	20	23.5	ug/L	117			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	18.9	ug/L	95			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020938.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0127SBS01	Dichlorodifluoromethane	20	22.4	ug/Kg	112			40 (64)	160 (136)	
	Chloromethane	20	22.6	ug/Kg	113			40 (70)	160 (130)	
	Vinyl chloride	20	22.0	ug/Kg	110			70 (72)	130 (129)	
	Bromomethane	20	21.2	ug/Kg	106			40 (58)	160 (141)	
	Chloroethane	20	21.6	ug/Kg	108			40 (69)	160 (130)	
	Trichlorofluoromethane	20	21.6	ug/Kg	108			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.9	ug/Kg	110			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.8	ug/Kg	109			70 (79)	130 (121)	
	Acetone	100	120	ug/Kg	120			40 (60)	160 (131)	
	Carbon disulfide	20	22.0	ug/Kg	110			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	22.4	ug/Kg	112			70 (77)	130 (129)	
	Methyl Acetate	20	23.3	ug/Kg	117			70 (69)	130 (149)	
	Methylene Chloride	20	21.7	ug/Kg	109			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	21.6	ug/Kg	108			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.8	ug/Kg	109			70 (82)	130 (123)	
	Cyclohexane	20	21.1	ug/Kg	106			70 (76)	130 (122)	
	2-Butanone	100	120	ug/Kg	120			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.0	ug/Kg	105			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.7	ug/Kg	109			70 (82)	130 (123)	
	Bromochloromethane	20	21.6	ug/Kg	108			70 (80)	130 (127)	
	Chloroform	20	21.6	ug/Kg	108			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108			70 (80)	130 (126)	
	Methylcyclohexane	20	21.0	ug/Kg	105			70 (77)	130 (123)	
	Benzene	20	21.7	ug/Kg	109			70 (84)	130 (121)	
	1,2-Dichloroethane	20	21.9	ug/Kg	110			70 (81)	130 (126)	
	Trichloroethene	20	21.8	ug/Kg	109			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.4	ug/Kg	107			70 (83)	130 (122)	
	Bromodichloromethane	20	21.4	ug/Kg	107			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	120	ug/Kg	120			40 (70)	160 (135)	
	Toluene	20	21.4	ug/Kg	107			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	22.0	ug/Kg	110			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	21.2	ug/Kg	106			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	22.5	ug/Kg	113			70 (82)	130 (125)	
	2-Hexanone	100	120	ug/Kg	120			40 (66)	160 (138)	
	Dibromochloromethane	20	21.9	ug/Kg	110			70 (79)	130 (125)	
	1,2-Dibromoethane	20	22.3	ug/Kg	112			70 (80)	130 (125)	
	Tetrachloroethene	20	21.8	ug/Kg	109			70 (83)	130 (125)	
	Chlorobenzene	20	21.5	ug/Kg	108			70 (84)	130 (122)	
	Ethyl Benzene	20	21.4	ug/Kg	107			70 (82)	130 (124)	
	m/p-Xylenes	40	43.6	ug/Kg	109			70 (83)	130 (124)	
	o-Xylene	20	21.7	ug/Kg	109			70 (83)	130 (123)	
	Styrene	20	21.9	ug/Kg	110			70 (82)	130 (124)	
	Bromoform	20	22.5	ug/Kg	113			70 (75)	130 (127)	
	Isopropylbenzene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	22.2	ug/Kg	111			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.9	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020938.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0127SBS01	1,2-Dibromo-3-Chloropropane	20	22.5	ug/Kg	113			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.5	ug/Kg	103			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.8	ug/Kg	104			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020939.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0127SBSD01	Dichlorodifluoromethane	20	21.1	ug/Kg	106	6		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.9	ug/Kg	100	12		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	19.9	ug/Kg	100	10		70 (72)	130 (129)	30 (20)
	Bromomethane	20	18.8	ug/Kg	94	12		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.2	ug/Kg	101	7		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	20.8	ug/Kg	104	4		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106	4		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	21.2	ug/Kg	106	3		70 (79)	130 (121)	30 (20)
	Acetone	100	110	ug/Kg	110	9		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	20.9	ug/Kg	104	6		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	22.4	ug/Kg	112	0		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	22.8	ug/Kg	114	3		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.3	ug/Kg	106	3		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	21.3	ug/Kg	106	2		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.3	ug/Kg	106	3		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	21.0	ug/Kg	105	1		70 (76)	130 (122)	30 (20)
	2-Butanone	100	120	ug/Kg	120	0		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.9	ug/Kg	104	1		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.4	ug/Kg	107	2		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	21.4	ug/Kg	107	1		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.3	ug/Kg	106	2		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.3	ug/Kg	106	2		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	21.0	ug/Kg	105	0		70 (77)	130 (123)	30 (20)
	Benzene	20	21.2	ug/Kg	106	3		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.5	ug/Kg	108	2		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	21.1	ug/Kg	106	3		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.3	ug/Kg	106	1		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.1	ug/Kg	106	1		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	120	ug/Kg	120	0		40 (70)	160 (135)	30 (20)
	Toluene	20	21.3	ug/Kg	106	1		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	22.0	ug/Kg	110	0		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	21.7	ug/Kg	109	3		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.6	ug/Kg	113	0		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	120	ug/Kg	120	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	22.3	ug/Kg	112	2		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	22.5	ug/Kg	113	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	21.0	ug/Kg	105	4		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.8	ug/Kg	104	4		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	21.1	ug/Kg	106	1		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	42.6	ug/Kg	106	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	21.5	ug/Kg	108	1		70 (83)	130 (123)	30 (20)
	Styrene	20	21.8	ug/Kg	109	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	23.2	ug/Kg	116	3		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.5	ug/Kg	103	0		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	21.9	ug/Kg	110	1		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	21.1	ug/Kg	106	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	21.2	ug/Kg	106	2		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	21.2	ug/Kg	106	2		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020939.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0127SBSD01	1,2-Dibromo-3-Chloropropane	20	22.5	ug/Kg	113	0		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.2	ug/Kg	101	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.7	ug/Kg	104	0		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0127WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VN085518.D Lab Sample ID: VN0127WBL01

Date Analyzed: 01/27/2025 Time Analyzed: 15:48

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0127WBS01	VN0127WBS01	VN085519.D	01/27/2025
VN0127WBSD01	VN0127WBSD01	VN085520.D	01/27/2025
TB	Q1194-10	VN085523.D	01/27/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0128WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VN085528.D Lab Sample ID: VN0128WBL01

Date Analyzed: 01/28/2025 Time Analyzed: 10:51

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0128WBS01	VN0128WBS01	VN085529.D	01/28/2025
FB	Q1194-09	VN085533.D	01/28/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0127SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VY020937.D Lab Sample ID: VY0127SBL01

Date Analyzed: 01/27/2025 Time Analyzed: 09:51

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0127SBS01	VY0127SBS01	VY020938.D	01/27/2025
VY0127SBSD01	VY0127SBSD01	VY020939.D	01/27/2025
B-110-SB01	Q1194-01	VY020946.D	01/27/2025
B-110-SB02	Q1194-02	VY020947.D	01/27/2025
B-113-SB02	Q1194-04	VY020949.D	01/27/2025
B-110-SB01RE	Q1194-01RE	VY020950.D	01/27/2025
B-113-SB01	Q1194-03	VY020951.D	01/27/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VN085437.D BFB Injection Date: 01/14/2025

Instrument ID: MSVOA_N BFB Injection Time: 14:22

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.3
75	30.0 - 60.0% of mass 95	58
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	76
175	5.0 - 9.0% of mass 174	5.4 (7.1) 1
176	95.0 - 101.0% of mass 174	74.1 (97.4) 1
177	5.0 - 9.0% of mass 176	4.9 (6.7) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085438.D	01/14/2025	14:56
VSTDICCC050	VSTDICCC050	VN085439.D	01/14/2025	15:19
VSTDICC020	VSTDICC020	VN085440.D	01/14/2025	15:43
VSTDICC010	VSTDICC010	VN085441.D	01/14/2025	16:07
VSTDICC005	VSTDICC005	VN085442.D	01/14/2025	16:31
VSTDICC001	VSTDICC001	VN085443.D	01/14/2025	17:19

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VN085515.D BFB Injection Date: 01/27/2025

Instrument ID: MSVOA_N BFB Injection Time: 13:08

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 60.0% of mass 95	57.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	77
175	5.0 - 9.0% of mass 174	6.1 (7.9) 1
176	95.0 - 101.0% of mass 174	74.1 (96.2) 1
177	5.0 - 9.0% of mass 176	5.2 (7) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN085516.D	01/27/2025	14:50
VN0127WBL01	VN0127WBL01	VN085518.D	01/27/2025	15:48
VN0127WBS01	VN0127WBS01	VN085519.D	01/27/2025	16:12
VN0127WBSD01	VN0127WBSD01	VN085520.D	01/27/2025	16:46
TB	Q1194-10	VN085523.D	01/27/2025	17:58

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VN085525.D BFB Injection Date: 01/28/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:17

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	55.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	1.5 (1.9) 1
174	50.0 - 100.0% of mass 95	75.9
175	5.0 - 9.0% of mass 174	5.5 (7.2) 1
176	95.0 - 101.0% of mass 174	73.7 (97.2) 1
177	5.0 - 9.0% of mass 176	5 (6.8) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN085526.D	01/28/2025	09:53
VN0128WBL01	VN0128WBL01	VN085528.D	01/28/2025	10:51
VN0128WBS01	VN0128WBS01	VN085529.D	01/28/2025	11:15
FB	Q1194-09	VN085533.D	01/28/2025	13:00

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VY020922.D BFB Injection Date: 01/24/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:44

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.3
75	30.0 - 60.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	90.9
175	5.0 - 9.0% of mass 174	7 (7.7) 1
176	95.0 - 101.0% of mass 174	87.5 (96.3) 1
177	5.0 - 9.0% of mass 176	6.6 (7.5) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC050	VSTDICCC050	VY020927.D	01/24/2025	14:03
VSTDICC100	VSTDICC100	VY020928.D	01/24/2025	14:27
VSTDICC150	VSTDICC150	VY020929.D	01/24/2025	14:50
VSTDICC020	VSTDICC020	VY020931.D	01/24/2025	15:36
VSTDICC010	VSTDICC010	VY020932.D	01/24/2025	15:59
VSTDICC005	VSTDICC005	VY020933.D	01/24/2025	16:21

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VY020935.D BFB Injection Date: 01/27/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:32

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	86.4
175	5.0 - 9.0% of mass 174	6.6 (7.7) 1
176	95.0 - 101.0% of mass 174	83.6 (96.7) 1
177	5.0 - 9.0% of mass 176	6 (7.2) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020936.D	01/27/2025	09:06
VY0127SBL01	VY0127SBL01	VY020937.D	01/27/2025	09:51
VY0127SBS01	VY0127SBS01	VY020938.D	01/27/2025	10:30
VY0127SBSD01	VY0127SBSD01	VY020939.D	01/27/2025	10:54
B-110-SB01	Q1194-01	VY020946.D	01/27/2025	14:24
B-110-SB02	Q1194-02	VY020947.D	01/27/2025	14:47
B-113-SB02	Q1194-04	VY020949.D	01/27/2025	15:32
B-110-SB01RE	Q1194-01RE	VY020950.D	01/27/2025	16:01
B-113-SB01	Q1194-03	VY020951.D	01/27/2025	16:24

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VN085516.D Date Analyzed: 01/27/2025

Instrument ID: MSVOA_N Time Analyzed: 14:50

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	179985	8.22	325755	9.09	284425	11.87
UPPER LIMIT	359970	8.724	651510	9.594	568850	12.365
LOWER LIMIT	89992.5	7.724	162878	8.594	142213	11.365
EPA SAMPLE NO.						
TB	180339	8.22	326143	9.10	288357	11.87
VN0127WBL01	197682	8.22	347425	9.10	297114	11.87
VN0127WBS01	208674	8.22	353856	9.10	309822	11.87
VN0127WBSD01	201491	8.22	340191	9.10	297834	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VN085516.D Date Analyzed: 01/27/2025

Instrument ID: MSVOA_N Time Analyzed: 14:50

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	139987	13.788				
UPPER LIMIT	279974	14.288				
LOWER LIMIT	69993.5	13.288				
EPA SAMPLE NO.						
TB	112650	13.79				
VN0127WBL01	116627	13.79				
VN0127WBS01	147310	13.79				
VN0127WBSD01	142141	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VN085526.D Date Analyzed: 01/28/2025

Instrument ID: MSVOA_N Time Analyzed: 09:53

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	203638	8.22	333806	9.09	302551	11.87
UPPER LIMIT	407276	8.718	667612	9.594	605102	12.365
LOWER LIMIT	101819	7.718	166903	8.594	151276	11.365
EPA SAMPLE NO.						
FB	169030	8.22	313197	9.10	274340	11.87
VN0128WBL01	183717	8.22	332601	9.10	291066	11.87
VN0128WBS01	185562	8.22	307569	9.10	271043	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VN085526.D Date Analyzed: 01/28/2025

Instrument ID: MSVOA_N Time Analyzed: 09:53

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	155713	13.788				
UPPER LIMIT	311426	14.288				
LOWER LIMIT	77856.5	13.288				
EPA SAMPLE NO.						
FB	106996	13.79				
VN0128WBL01	116250	13.79				
VN0128WBS01	126721	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VY020936.D Date Analyzed: 01/27/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:06

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	282457	7.73	407197	8.63	343290	11.43
UPPER LIMIT	564914	8.225	814394	9.127	686580	11.926
LOWER LIMIT	141229	7.225	203599	8.127	171645	10.926
EPA SAMPLE NO.						
B-110-SB01	155482	7.72	236023	8.63	187660	11.43
B-110-SB01RE	21135 *	7.71	29996 *	8.62	22466 *	11.42
B-110-SB02	382024	7.71	583439	8.62	419826	11.43
B-113-SB01	427947	7.71	666781	8.62	538661	11.42
B-113-SB02	331503	7.71	506966	8.62	369514	11.42
VY0127SBL01	237241	7.73	406523	8.63	343434	11.43
VY0127SBS01	284690	7.72	421508	8.63	350671	11.43
VY0127SBSD01	284825	7.72	421282	8.62	357449	11.42

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: VY020936.D Date Analyzed: 01/27/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:06

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #		RT #				
12 HOUR STD	166155		13.358				
UPPER LIMIT	332310		13.858				
LOWER LIMIT	83077.5		12.858				
EPA SAMPLE NO.							
B-110-SB01	75046	*	13.36				
B-110-SB01RE	4581	*	13.35				
B-110-SB02	153323		13.35				
B-113-SB01	250424		13.35				
B-113-SB02	129163		13.35				
VY0127SBL01	130475		13.36				
VY0127SBS01	176333		13.36				
VY0127SBSD01	177256		13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0127WBL01	SDG No.:	Q1194
Lab Sample ID:	VN0127WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085518.D	1		01/27/25 15:48	VN012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0127WBL01	SDG No.:	Q1194
Lab Sample ID:	VN0127WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085518.D	1		01/27/25 15:48	VN012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.7		70 (77) - 130 (121)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	8.218			
540-36-3	1,4-Difluorobenzene	347000	9.1			
3114-55-4	Chlorobenzene-d5	297000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	117000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0127WBL01	SDG No.:	Q1194
Lab Sample ID:	VN0127WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085518.D	1		01/27/25 15:48	VN012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0128WBL01	SDG No.:	Q1194
Lab Sample ID:	VN0128WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085528.D	1		01/28/25 10:51	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0128WBL01	SDG No.:	Q1194
Lab Sample ID:	VN0128WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085528.D	1		01/28/25 10:51	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	184000	8.218			
540-36-3	1,4-Difluorobenzene	333000	9.1			
3114-55-4	Chlorobenzene-d5	291000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	116000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0128WBL01	SDG No.:	Q1194
Lab Sample ID:	VN0128WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085528.D	1		01/28/25 10:51	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0127SBL01	SDG No.:	Q1194
Lab Sample ID:	VY0127SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020937.D	1		01/27/25 09:51	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0127SBL01	SDG No.:	Q1194
Lab Sample ID:	VY0127SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020937.D	1		01/27/25 09:51	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.1		70 (50) - 130 (163)	126%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2		70 (54) - 130 (147)	110%	SPK: 50
2037-26-5	Toluene-d8	51.7		70 (58) - 130 (134)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		70 (29) - 130 (146)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	237000	7.726			
540-36-3	1,4-Difluorobenzene	407000	8.628			
3114-55-4	Chlorobenzene-d5	343000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.359			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0127SBL01	SDG No.:	Q1194
Lab Sample ID:	VY0127SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020937.D	1		01/27/25 09:51	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0127WBS01	SDG No.:	Q1194
Lab Sample ID:	VN0127WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085519.D	1		01/27/25 16:12	VN012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	15.9		0.21	1.00	ug/L
74-87-3	Chloromethane	15.6		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	16.1		0.34	1.00	ug/L
74-83-9	Bromomethane	16.7		1.40	5.00	ug/L
75-00-3	Chloroethane	16.8		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.9		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.5		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.7		0.26	1.00	ug/L
67-64-1	Acetone	91.4		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	14.8		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.1		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.9		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.8		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.4		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.9		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.7		1.60	5.00	ug/L
78-93-3	2-Butanone	94.5		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.8		0.25	1.00	ug/L
74-97-5	Bromochloromethane	17.5		0.18	1.00	ug/L
67-66-3	Chloroform	18.3		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.5		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	17.3		0.19	1.00	ug/L
71-43-2	Benzene	18.2		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.4		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.1		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	19.0		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.0		0.75	5.00	ug/L
108-88-3	Toluene	19.1		0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0127WBS01	SDG No.:	Q1194
Lab Sample ID:	VN0127WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085519.D	1		01/27/25 16:12	VN012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.7		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.1		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	18.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.6		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.3		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	38.3		0.31	2.00	ug/L
95-47-6	o-Xylene	19.1		0.14	1.00	ug/L
100-42-5	Styrene	19.6		0.16	1.00	ug/L
75-25-2	Bromoform	19.6		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.7		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.6		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.9		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.3		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.8		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		70 (74) - 130 (125)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	8.224			
540-36-3	1,4-Difluorobenzene	354000	9.1			
3114-55-4	Chlorobenzene-d5	310000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	147000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0127WBS01	SDG No.:	Q1194
Lab Sample ID:	VN0127WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085519.D	1		01/27/25 16:12	VN012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0128WBS01	SDG No.:	Q1194
Lab Sample ID:	VN0128WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085529.D	1		01/28/25 11:15	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.3		0.21	1.00	ug/L
74-87-3	Chloromethane	17.3		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.34	1.00	ug/L
74-83-9	Bromomethane	19.5		1.40	5.00	ug/L
75-00-3	Chloroethane	19.8		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.7		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.5		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	1.00	ug/L
67-64-1	Acetone	100		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.4		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.8		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.8		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.9		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.60	5.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.25	1.00	ug/L
74-97-5	Bromochloromethane	16.1		0.18	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.4		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	18.9		0.19	1.00	ug/L
71-43-2	Benzene	20.7		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	21.7		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	5.00	ug/L
108-88-3	Toluene	21.9		0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0128WBS01	SDG No.:	Q1194
Lab Sample ID:	VN0128WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085529.D	1		01/28/25 11:15	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	21.4		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.5		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	120		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.6		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.7		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.6		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	20.8		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	43.1		0.31	2.00	ug/L
95-47-6	o-Xylene	20.9		0.14	1.00	ug/L
100-42-5	Styrene	21.3		0.16	1.00	ug/L
75-25-2	Bromoform	22.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	20.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.6		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.8		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.4		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	23.5		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.9		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	54.1		70 (86) - 130 (113)	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	186000	8.224			
540-36-3	1,4-Difluorobenzene	308000	9.1			
3114-55-4	Chlorobenzene-d5	271000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0128WBS01	SDG No.:	Q1194
Lab Sample ID:	VN0128WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085529.D	1		01/28/25 11:15	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0127SBS01	SDG No.:	Q1194
Lab Sample ID:	VY0127SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020938.D	1		01/27/25 10:30	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.4		1.70	5.00	ug/Kg
74-87-3	Chloromethane	22.6		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.2		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.6		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.6		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.8		0.78	5.00	ug/Kg
67-64-1	Acetone	120		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	22.0		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.4		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	23.3		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.7		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.6		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.8		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	21.1		0.69	5.00	ug/Kg
78-93-3	2-Butanone	120		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.0		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.7		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	21.6		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.6		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.6		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	21.0		0.87	5.00	ug/Kg
71-43-2	Benzene	21.7		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.9		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	21.8		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.4		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.4		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	120		4.40	25.0	ug/Kg
108-88-3	Toluene	21.4		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0127SBS01	SDG No.:	Q1194
Lab Sample ID:	VY0127SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020938.D	1		01/27/25 10:30	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	22.0		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.5		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	120		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	22.3		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.8		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	21.5		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.4		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	43.6		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.7		0.70	5.00	ug/Kg
100-42-5	Styrene	21.9		0.60	5.00	ug/Kg
75-25-2	Bromoform	22.5		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.5		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.2		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.9		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.9		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.9		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.5		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.5		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.8		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		70 (50) - 130 (163)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0		70 (54) - 130 (147)	94%	SPK: 50
2037-26-5	Toluene-d8	46.6		70 (58) - 130 (134)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		70 (29) - 130 (146)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	285000	7.719			
540-36-3	1,4-Difluorobenzene	422000	8.628			
3114-55-4	Chlorobenzene-d5	351000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	176000	13.359			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0127SBS01	SDG No.:	Q1194
Lab Sample ID:	VY0127SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020938.D	1		01/27/25 10:30	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0127WBSD01	SDG No.:	Q1194
Lab Sample ID:	VN0127WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085520.D	1		01/27/25 16:46	VN012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.0		0.21	1.00	ug/L
74-87-3	Chloromethane	15.6		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	15.5		0.34	1.00	ug/L
74-83-9	Bromomethane	16.2		1.40	5.00	ug/L
75-00-3	Chloroethane	16.3		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.9		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.4		0.26	1.00	ug/L
67-64-1	Acetone	96.0		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	14.3		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.5		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.3		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.1		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.1		1.60	5.00	ug/L
78-93-3	2-Butanone	98.1		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.7		0.25	1.00	ug/L
74-97-5	Bromochloromethane	17.5		0.18	1.00	ug/L
67-66-3	Chloroform	17.9		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.9		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	16.8		0.19	1.00	ug/L
71-43-2	Benzene	18.2		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.9		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.1		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	19.2		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L
108-88-3	Toluene	18.9		0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0127WBSD01	SDG No.:	Q1194
Lab Sample ID:	VN0127WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085520.D	1		01/27/25 16:46	VN012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.5		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.9		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.6		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.4		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	38.7		0.31	2.00	ug/L
95-47-6	o-Xylene	19.0		0.14	1.00	ug/L
100-42-5	Styrene	19.5		0.16	1.00	ug/L
75-25-2	Bromoform	20.2		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.2		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.9		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.0		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.7		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.7		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.1		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.6		70 (74) - 130 (125)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	47.8		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	8.218			
540-36-3	1,4-Difluorobenzene	340000	9.1			
3114-55-4	Chlorobenzene-d5	298000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0127WBSD01	SDG No.:	Q1194
Lab Sample ID:	VN0127WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085520.D	1		01/27/25 16:46	VN012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0127SBSD01	SDG No.:	Q1194
Lab Sample ID:	VY0127SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020939.D	1		01/27/25 10:54	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.9		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.9		0.77	5.00	ug/Kg
74-83-9	Bromomethane	18.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.2		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.2		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.9		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.4		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.8		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.3		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.3		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	21.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	120		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.4		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	21.4		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.3		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.3		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	21.0		0.87	5.00	ug/Kg
71-43-2	Benzene	21.2		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.5		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	21.1		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.3		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.1		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	120		4.40	25.0	ug/Kg
108-88-3	Toluene	21.3		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0127SBSD01	SDG No.:	Q1194
Lab Sample ID:	VY0127SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020939.D	1		01/27/25 10:54	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	22.0		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.7		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.6		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	120		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.3		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	22.5		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.0		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.8		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.1		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.6		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.5		0.70	5.00	ug/Kg
100-42-5	Styrene	21.8		0.60	5.00	ug/Kg
75-25-2	Bromoform	23.2		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.5		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.9		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.1		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.2		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.2		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.5		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.2		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.7		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (50) - 130 (163)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (58) - 130 (134)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (29) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	285000	7.719			
540-36-3	1,4-Difluorobenzene	421000	8.622			
3114-55-4	Chlorobenzene-d5	357000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	177000	13.353			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0127SBSD01	SDG No.:	Q1194
Lab Sample ID:	VY0127SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020939.D	1		01/27/25 10:54	VY012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085438.D RRF050 = VN085439.D RRF020 = VN085440.D
RRF010 = VN085441.D RRF005 = VN085442.D RRF001 = VN085443.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.664	0.629	0.681	0.667	0.708	0.714	0.677	4.6
Chloromethane	0.680	0.680	0.727	0.693	0.779	0.839	0.733	8.8
Vinyl Chloride	0.697	0.686	0.727	0.711	0.781	0.819	0.737	7.1
Bromomethane	0.392	0.417	0.454	0.437	0.525		0.445	11.3
Chloroethane	0.435	0.424	0.468	0.429	0.505	0.542	0.467	10.3
Trichlorofluoromethane	1.046	0.997	1.097	1.040	1.077	1.157	1.069	5.1
1,1,2-Trichlorotrifluoroethane	0.590	0.542	0.609	0.587	0.639	0.646	0.602	6.4
1,1-Dichloroethene	0.548	0.533	0.556	0.526	0.559	0.497	0.537	4.3
Acetone	0.238	0.252	0.252	0.247	0.269	0.306	0.261	9.3
Carbon Disulfide	1.555	1.477	1.647	1.537	1.719	1.978	1.652	11
Methyl tert-butyl Ether	1.834	1.873	1.853	1.664	1.685	1.545	1.742	7.5
Methyl Acetate	0.751	0.790	0.758	0.779	0.810	0.871	0.793	5.5
Methylene Chloride	0.629	0.629	0.658	0.606	0.696	0.656	0.646	4.9
trans-1,2-Dichloroethene	0.571	0.555	0.574	0.539	0.569	0.632	0.573	5.5
1,1-Dichloroethane	1.164	1.170	1.206	1.100	1.226	1.204	1.178	3.8
Cyclohexane	0.984	0.881	1.033	1.026	1.198		1.024	11.2
2-Butanone	0.378	0.390	0.398	0.363	0.387	0.386	0.384	3.1
Carbon Tetrachloride	0.574	0.530	0.579	0.529	0.565	0.567	0.557	4
cis-1,2-Dichloroethene	0.691	0.683	0.715	0.639	0.669	0.655	0.675	4
Bromochloromethane	0.530	0.542	0.513	0.486	0.595	0.624	0.548	9.4
Chloroform	1.197	1.175	1.241	1.169	1.253	1.273	1.218	3.6
1,1,1-Trichloroethane	1.053	1.016	1.091	1.000	1.148	1.102	1.068	5.2
Methylcyclohexane	0.564	0.463	0.477	0.407	0.437	0.397	0.457	13.3
Benzene	1.551	1.449	1.527	1.376	1.474	1.400	1.463	4.7
1,2-Dichloroethane	0.569	0.547	0.575	0.522	0.574	0.517	0.551	4.8
Trichloroethene	0.362	0.324	0.352	0.310	0.343	0.352	0.341	5.8
1,2-Dichloropropane	0.390	0.371	0.388	0.334	0.388	0.371	0.374	5.7
Bromodichloromethane	0.590	0.559	0.579	0.514	0.569	0.484	0.549	7.5
4-Methyl-2-Pentanone	0.499	0.492	0.495	0.432	0.443	0.380	0.457	10.3
Toluene	0.964	0.870	0.919	0.808	0.835	0.690	0.848	11.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085438.D RRF050 = VN085439.D RRF020 = VN085440.D
RRF010 = VN085441.D RRF005 = VN085442.D RRF001 = VN085443.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.594	0.551	0.544	0.481	0.527	0.416	0.519	12
cis-1,3-Dichloropropene	0.623	0.588	0.601	0.527	0.538	0.450	0.554	11.4
1,1,2-Trichloroethane	0.348	0.340	0.353	0.309	0.349	0.314	0.335	5.7
2-Hexanone	0.358	0.357	0.353	0.298	0.302	0.261	0.321	12.6
Dibromochloromethane	0.430	0.414	0.412	0.368	0.420	0.386	0.405	5.8
1,2-Dibromoethane	0.349	0.334	0.356	0.309	0.321	0.334	0.334	5.2
Tetrachloroethene	0.351	0.322	0.365	0.338	0.346	0.323	0.341	4.9
Chlorobenzene	1.133	1.076	1.154	1.047	1.110	1.051	1.095	4
Ethyl Benzene	2.072	1.867	1.940	1.685	1.709	1.430	1.784	12.7
m/p-Xylenes	0.775	0.707	0.750	0.615	0.616	0.492	0.659	16
o-Xylene	0.738	0.681	0.713	0.584	0.582	0.482	0.630	15.5
Styrene	1.271	1.173	1.186	0.956	0.929	0.742	1.043	19.2
Bromoform	0.311	0.311	0.312	0.273	0.284	0.235	0.288	10.6
Isopropylbenzene	3.922	3.448	3.681	3.272	3.157	2.766	3.375	12.1
1,1,2,2-Tetrachloroethane	1.121	1.145	1.187	1.157	1.228	1.314	1.192	5.9
1,3-Dichlorobenzene	1.720	1.565	1.701	1.574	1.656	1.526	1.624	4.9
1,4-Dichlorobenzene	1.706	1.562	1.713	1.607	1.743	1.767	1.683	4.8
1,2-Dichlorobenzene	1.611	1.555	1.654	1.532	1.600	1.766	1.620	5.2
1,2-Dibromo-3-Chloropropane	0.218	0.222	0.224	0.212	0.228	0.202	0.218	4.3
1,2,4-Trichlorobenzene	0.858	0.781	0.799	0.704	0.717	0.658	0.753	9.7
1,2,3-Trichlorobenzene	0.817	0.786	0.792	0.732	0.693	0.750	0.762	6
1,2-Dichloroethane-d4	0.774	0.831	0.754	0.762	0.914		0.807	8.3
Dibromofluoromethane	0.359	0.358	0.335	0.310	0.373		0.347	7.1
Toluene-d8	1.339	1.267	1.207	1.076	1.274		1.232	8.1
4-Bromofluorobenzene	0.475	0.449	0.410	0.357	0.417		0.422	10.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: MSVOA_Y Calibration Date(s): 01/24/2025 01/24/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:03 16:21

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF050 = VY020927.D RRF100 = VY020928.D RRF150 = VY020929.D
RRF020 = VY020931.D RRF010 = VY020932.D RRF005 = VY020933.D

COMPOUND	RRF050	RRF100	RRF150	RRF020	RRF010	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.384	0.335	0.373	0.388	0.395	0.394	0.378	6
Chloromethane	0.281	0.237	0.277	0.283	0.309	0.301	0.281	8.9
Vinyl Chloride	0.313	0.271	0.310	0.310	0.327	0.309	0.307	6
Bromomethane	0.199	0.167	0.191	0.203	0.241	0.244	0.208	14.4
Chloroethane	0.185	0.158	0.180	0.183	0.190	0.182	0.180	6.2
Trichlorofluoromethane	0.665	0.582	0.669	0.669	0.685	0.638	0.651	5.7
1,1,2-Trichlorotrifluoroethane	0.436	0.382	0.438	0.432	0.454	0.437	0.430	5.7
1,1-Dichloroethene	0.408	0.365	0.421	0.412	0.428	0.401	0.406	5.4
Acetone	0.058	0.044	0.052	0.060	0.058	0.052	0.054	10.7
Carbon Disulfide	1.276	1.131	1.297	1.274	1.304	1.237	1.253	5.1
Methyl tert-butyl Ether	0.977	0.843	0.981	1.017	0.982	0.841	0.940	8.2
Methyl Acetate	0.208	0.168	0.194	0.210	0.198	0.192	0.195	7.7
Methylene Chloride	0.404	0.349	0.403	0.413	0.427	0.415	0.402	6.8
trans-1,2-Dichloroethene	0.446	0.388	0.448	0.443	0.460	0.440	0.438	5.8
1,1-Dichloroethane	0.740	0.647	0.745	0.742	0.752	0.708	0.722	5.5
Cyclohexane	0.680	0.605	0.681	0.714	0.762	0.817	0.710	10.3
2-Butanone	0.097	0.078	0.091	0.104	0.100	0.079	0.091	12
Carbon Tetrachloride	0.493	0.438	0.500	0.487	0.502	0.479	0.483	4.9
cis-1,2-Dichloroethene	0.501	0.449	0.510	0.500	0.516	0.486	0.494	4.9
Bromochloromethane	0.298	0.296	0.297	0.308	0.313	0.232	0.291	10.1
Chloroform	0.777	0.682	0.790	0.786	0.792	0.759	0.764	5.5
1,1,1-Trichloroethane	0.755	0.663	0.766	0.753	0.774	0.738	0.742	5.4
Methylcyclohexane	0.559	0.502	0.572	0.545	0.553	0.524	0.543	4.7
Benzene	1.202	1.061	1.205	1.197	1.234	1.156	1.176	5.2
1,2-Dichloroethane	0.305	0.262	0.300	0.307	0.302	0.281	0.293	6.1
Trichloroethene	0.322	0.290	0.332	0.326	0.336	0.309	0.319	5.3
1,2-Dichloropropane	0.268	0.236	0.270	0.267	0.270	0.246	0.260	5.8
Bromodichloromethane	0.406	0.358	0.411	0.398	0.412	0.371	0.393	5.8
4-Methyl-2-Pentanone	0.162	0.132	0.155	0.170	0.152	0.120	0.149	12.7
Toluene	0.779	0.692	0.785	0.774	0.786	0.722	0.756	5.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: MSVOA_Y Calibration Date(s): 01/24/2025 01/24/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:03 16:21

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF050 = VY020927.D RRF100 = VY020928.D RRF150 = VY020929.D
RRF020 = VY020931.D RRF010 = VY020932.D RRF005 = VY020933.D

COMPOUND	RRF050	RRF100	RRF150	RRF020	RRF010	RRF005	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.379	0.336	0.387	0.381	0.365	0.312	0.360	8.3
cis-1,3-Dichloropropene	0.446	0.396	0.455	0.446	0.436	0.399	0.430	6
1,1,2-Trichloroethane	0.207	0.179	0.205	0.217	0.201	0.189	0.199	6.9
2-Hexanone	0.106	0.089	0.103	0.110	0.096	0.070	0.096	15.4
Dibromochloromethane	0.290	0.257	0.296	0.296	0.289	0.257	0.281	6.7
1,2-Dibromoethane	0.199	0.169	0.198	0.203	0.200	0.174	0.191	7.8
Tetrachloroethene	0.352	0.312	0.358	0.348	0.361	0.358	0.348	5.3
Chlorobenzene	0.992	0.881	1.012	0.991	1.019	0.972	0.978	5.1
Ethyl Benzene	1.761	1.565	1.777	1.722	1.762	1.650	1.706	4.9
m/p-Xylenes	0.674	0.596	0.679	0.667	0.677	0.627	0.653	5.2
o-Xylene	0.632	0.559	0.635	0.619	0.634	0.583	0.610	5.3
Styrene	1.054	0.926	1.051	1.027	1.043	0.899	1.000	6.9
Bromoform	0.208	0.177	0.202	0.213	0.203	0.178	0.197	7.9
Isopropylbenzene	3.562	3.149	3.639	3.423	3.496	3.394	3.444	4.9
1,1,2,2-Tetrachloroethane	0.570	0.469	0.548	0.577	0.566	0.485	0.536	8.8
1,3-Dichlorobenzene	1.588	1.371	1.583	1.554	1.638	1.540	1.546	6
1,4-Dichlorobenzene	1.555	1.334	1.553	1.523	1.602	1.544	1.518	6.2
1,2-Dichlorobenzene	1.386	1.182	1.378	1.346	1.408	1.335	1.339	6.1
1,2-Dibromo-3-Chloropropane	0.085	0.070	0.086	0.090	0.083	0.069	0.080	10.9
1,2,4-Trichlorobenzene	0.840	0.782	0.938	0.792	0.786	0.697	0.806	9.9
1,2,3-Trichlorobenzene	0.704	0.651	0.797	0.672	0.648	0.589	0.677	10.3
1,2-Dichloroethane-d4	0.446	0.369	0.386	0.409	0.404	0.378	0.399	7
Dibromofluoromethane	0.320	0.276	0.284	0.287	0.291	0.264	0.287	6.6
Toluene-d8	1.254	1.081	1.109	1.121	1.135	0.981	1.113	7.9
4-Bromofluorobenzene	0.416	0.359	0.364	0.390	0.375	0.319	0.371	8.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: MSVOA_N Calibration Date/Time: 01/27/2025 14:50

Lab File ID: VN085516.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.677	0.547		-19.2	20
Chloromethane	0.733	0.639	0.1	-12.82	20
Vinyl Chloride	0.737	0.633		-14.11	20
Bromomethane	0.445	0.432		-2.92	20
Chloroethane	0.467	0.434		-7.07	20
Trichlorofluoromethane	1.069	0.963		-9.92	20
1,1,2-Trichlorotrifluoroethane	0.602	0.524		-12.96	20
1,1-Dichloroethene	0.537	0.511		-4.84	20
Acetone	0.261	0.281		7.66	20
Carbon Disulfide	1.652	1.312		-20.58	20
Methyl tert-butyl Ether	1.742	2.172		24.68	20
Methyl Acetate	0.793	0.949		19.67	20
Methylene Chloride	0.646	0.674		4.33	20
trans-1,2-Dichloroethene	0.573	0.556		-2.97	20
1,1-Dichloroethane	1.178	1.235	0.1	4.84	20
Cyclohexane	1.024	0.824		-19.53	20
2-Butanone	0.384	0.433		12.76	20
Carbon Tetrachloride	0.557	0.493		-11.49	20
cis-1,2-Dichloroethene	0.675	0.728		7.85	20
Bromochloromethane	0.548	0.503		-8.21	20
Chloroform	1.218	1.284		5.42	20
1,1,1-Trichloroethane	1.068	1.050		-1.68	20
Methylcyclohexane	0.457	0.400		-12.47	20
Benzene	1.463	1.430		-2.26	20
1,2-Dichloroethane	0.551	0.563		2.18	20
Trichloroethene	0.341	0.323		-5.28	20
1,2-Dichloropropane	0.374	0.378		1.07	20
Bromodichloromethane	0.549	0.583		6.19	20
4-Methyl-2-Pentanone	0.457	0.523		14.44	20
Toluene	0.848	0.877		3.42	20
t-1,3-Dichloropropene	0.519	0.584		12.52	20
cis-1,3-Dichloropropene	0.554	0.613		10.65	20
1,1,2-Trichloroethane	0.335	0.357		6.57	20
2-Hexanone	0.321	0.375		16.82	20
Dibromochloromethane	0.405	0.436		7.65	20
1,2-Dibromoethane	0.334	0.357		6.89	20
Tetrachloroethene	0.341	0.320		-6.16	20
Chlorobenzene	1.095	1.094	0.3	-0.09	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: MSVOA_N Calibration Date/Time: 01/27/2025 14:50

Lab File ID: VN085516.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.784	1.852		3.81	20
m/p-Xylenes	0.659	0.705		6.98	20
o-Xylene	0.630	0.689		9.36	20
Styrene	1.043	1.211		16.11	20
Bromoform	0.288	0.332	0.1	15.28	20
Isopropylbenzene	3.375	3.414		1.16	20
1,1,2,2-Tetrachloroethane	1.192	1.227	0.3	2.94	20
1,3-Dichlorobenzene	1.624	1.629		0.31	20
1,4-Dichlorobenzene	1.683	1.636		-2.79	20
1,2-Dichlorobenzene	1.620	1.617		-0.19	20
1,2-Dibromo-3-Chloropropane	0.218	0.231		5.96	20
1,2,4-Trichlorobenzene	0.753	0.807		7.17	20
1,2,3-Trichlorobenzene	0.762	0.812		6.56	20
1,2-Dichloroethane-d4	0.807	0.829		2.73	20
Dibromofluoromethane	0.347	0.327		-5.76	20
Toluene-d8	1.232	1.150		-6.66	20
4-Bromofluorobenzene	0.422	0.421		-0.24	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: MSVOA_N Calibration Date/Time: 01/28/2025 09:53

Lab File ID: VN085526.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.677	0.620		-8.42	20
Chloromethane	0.733	0.642	0.1	-12.41	20
Vinyl Chloride	0.737	0.665		-9.77	20
Bromomethane	0.445	0.389		-12.58	20
Chloroethane	0.467	0.439		-6	20
Trichlorofluoromethane	1.069	1.071		0.19	20
1,1,2-Trichlorotrifluoroethane	0.602	0.618		2.66	20
1,1-Dichloroethene	0.537	0.526		-2.05	20
Acetone	0.261	0.263		0.77	20
Carbon Disulfide	1.652	1.391		-15.8	20
Methyl tert-butyl Ether	1.742	1.940		11.37	20
Methyl Acetate	0.793	0.859		8.32	20
Methylene Chloride	0.646	0.645		-0.16	20
trans-1,2-Dichloroethene	0.573	0.570		-0.52	20
1,1-Dichloroethane	1.178	1.202	0.1	2.04	20
Cyclohexane	1.024	0.931		-9.08	20
2-Butanone	0.384	0.399		3.91	20
Carbon Tetrachloride	0.557	0.602		8.08	20
cis-1,2-Dichloroethene	0.675	0.700		3.7	20
Bromochloromethane	0.548	0.499		-8.94	20
Chloroform	1.218	1.248		2.46	20
1,1,1-Trichloroethane	1.068	1.105		3.46	20
Methylcyclohexane	0.457	0.513		12.25	20
Benzene	1.463	1.575		7.66	20
1,2-Dichloroethane	0.551	0.585		6.17	20
Trichloroethene	0.341	0.359		5.28	20
1,2-Dichloropropane	0.374	0.407		8.82	20
Bromodichloromethane	0.549	0.613		11.66	20
4-Methyl-2-Pentanone	0.457	0.535		17.07	20
Toluene	0.848	0.975		14.98	20
t-1,3-Dichloropropene	0.519	0.611		17.73	20
cis-1,3-Dichloropropene	0.554	0.639		15.34	20
1,1,2-Trichloroethane	0.335	0.375		11.94	20
2-Hexanone	0.321	0.386		20.25	20
Dibromochloromethane	0.405	0.460		13.58	20
1,2-Dibromoethane	0.334	0.366		9.58	20
Tetrachloroethene	0.341	0.361		5.86	20
Chlorobenzene	1.095	1.171	0.3	6.94	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: MSVOA_N Calibration Date/Time: 01/28/2025 09:53

Lab File ID: VN085526.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.784	2.053		15.08	20
m/p-Xylenes	0.659	0.785		19.12	20
o-Xylene	0.630	0.739		17.3	20
Styrene	1.043	1.279		22.63	20
Bromoform	0.288	0.334	0.1	15.97	20
Isopropylbenzene	3.375	3.736		10.7	20
1,1,2,2-Tetrachloroethane	1.192	1.170	0.3	-1.85	20
1,3-Dichlorobenzene	1.624	1.699		4.62	20
1,4-Dichlorobenzene	1.683	1.700		1.01	20
1,2-Dichlorobenzene	1.620	1.644		1.48	20
1,2-Dibromo-3-Chloropropane	0.218	0.225		3.21	20
1,2,4-Trichlorobenzene	0.753	0.817		8.5	20
1,2,3-Trichlorobenzene	0.762	0.780		2.36	20
1,2-Dichloroethane-d4	0.807	0.777		-3.72	20
Dibromofluoromethane	0.347	0.355		2.31	20
Toluene-d8	1.232	1.296		5.2	20
4-Bromofluorobenzene	0.422	0.467		10.66	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: MSVOA_Y Calibration Date/Time: 01/27/2025 09:06

Lab File ID: VY020936.D Init. Calib. Date(s): 01/24/2025 01/24/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 14:03 16:21

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.378	0.432		14.29	20
Chloromethane	0.281	0.332	0.1	18.15	20
Vinyl Chloride	0.307	0.358		16.61	20
Bromomethane	0.208	0.238		14.42	20
Chloroethane	0.180	0.214		18.89	20
Trichlorofluoromethane	0.651	0.764		17.36	20
1,1,2-Trichlorotrifluoroethane	0.430	0.497		15.58	20
1,1-Dichloroethene	0.406	0.474		16.75	20
Acetone	0.054	0.061		12.96	20
Carbon Disulfide	1.253	1.464		16.84	20
Methyl tert-butyl Ether	0.940	1.102		17.23	20
Methyl Acetate	0.195	0.223		14.36	20
Methylene Chloride	0.402	0.453		12.69	20
trans-1,2-Dichloroethene	0.438	0.506		15.52	20
1,1-Dichloroethane	0.722	0.844	0.1	16.9	20
Cyclohexane	0.710	0.786		10.7	20
2-Butanone	0.091	0.104		14.29	20
Carbon Tetrachloride	0.483	0.561		16.15	20
cis-1,2-Dichloroethene	0.494	0.569		15.18	20
Bromochloromethane	0.291	0.300		3.09	20
Chloroform	0.764	0.882		15.44	20
1,1,1-Trichloroethane	0.742	0.845		13.88	20
Methylcyclohexane	0.543	0.639		17.68	20
Benzene	1.176	1.370		16.5	20
1,2-Dichloroethane	0.293	0.342		16.72	20
Trichloroethene	0.319	0.371		16.3	20
1,2-Dichloropropane	0.260	0.303		16.54	20
Bromodichloromethane	0.393	0.455		15.78	20
4-Methyl-2-Pentanone	0.149	0.174		16.78	20
Toluene	0.756	0.890		17.73	20
t-1,3-Dichloropropene	0.360	0.424		17.78	20
cis-1,3-Dichloropropene	0.430	0.504		17.21	20
1,1,2-Trichloroethane	0.199	0.232		16.58	20
2-Hexanone	0.096	0.115		19.79	20
Dibromochloromethane	0.281	0.328		16.73	20
1,2-Dibromoethane	0.191	0.217		13.61	20
Tetrachloroethene	0.348	0.406		16.67	20
Chlorobenzene	0.978	1.131	0.3	15.64	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: MSVOA_Y Calibration Date/Time: 01/27/2025 09:06

Lab File ID: VY020936.D Init. Calib. Date(s): 01/24/2025 01/24/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 14:03 16:21

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.706	1.996		17	20
m/p-Xylenes	0.653	0.765		17.15	20
o-Xylene	0.610	0.723		18.52	20
Styrene	1.000	1.197		19.7	20
Bromoform	0.197	0.235	0.1	19.29	20
Isopropylbenzene	3.444	4.024		16.84	20
1,1,2,2-Tetrachloroethane	0.536	0.613	0.3	14.37	20
1,3-Dichlorobenzene	1.546	1.762		13.97	20
1,4-Dichlorobenzene	1.518	1.747		15.09	20
1,2-Dichlorobenzene	1.339	1.535		14.64	20
1,2-Dibromo-3-Chloropropane	0.080	0.090		12.5	20
1,2,4-Trichlorobenzene	0.806	0.951		17.99	20
1,2,3-Trichlorobenzene	0.677	0.791		16.84	20
1,2-Dichloroethane-d4	0.399	0.429		7.52	20
Dibromofluoromethane	0.287	0.316		10.1	20
Toluene-d8	1.113	1.231		10.6	20
4-Bromofluorobenzene	0.371	0.409		10.24	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020946.D
Acq On : 27 Jan 2025 14:24
Operator : SY/MD
Sample : Q1194-01
Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01

Quant Time: Jan 28 01:13:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

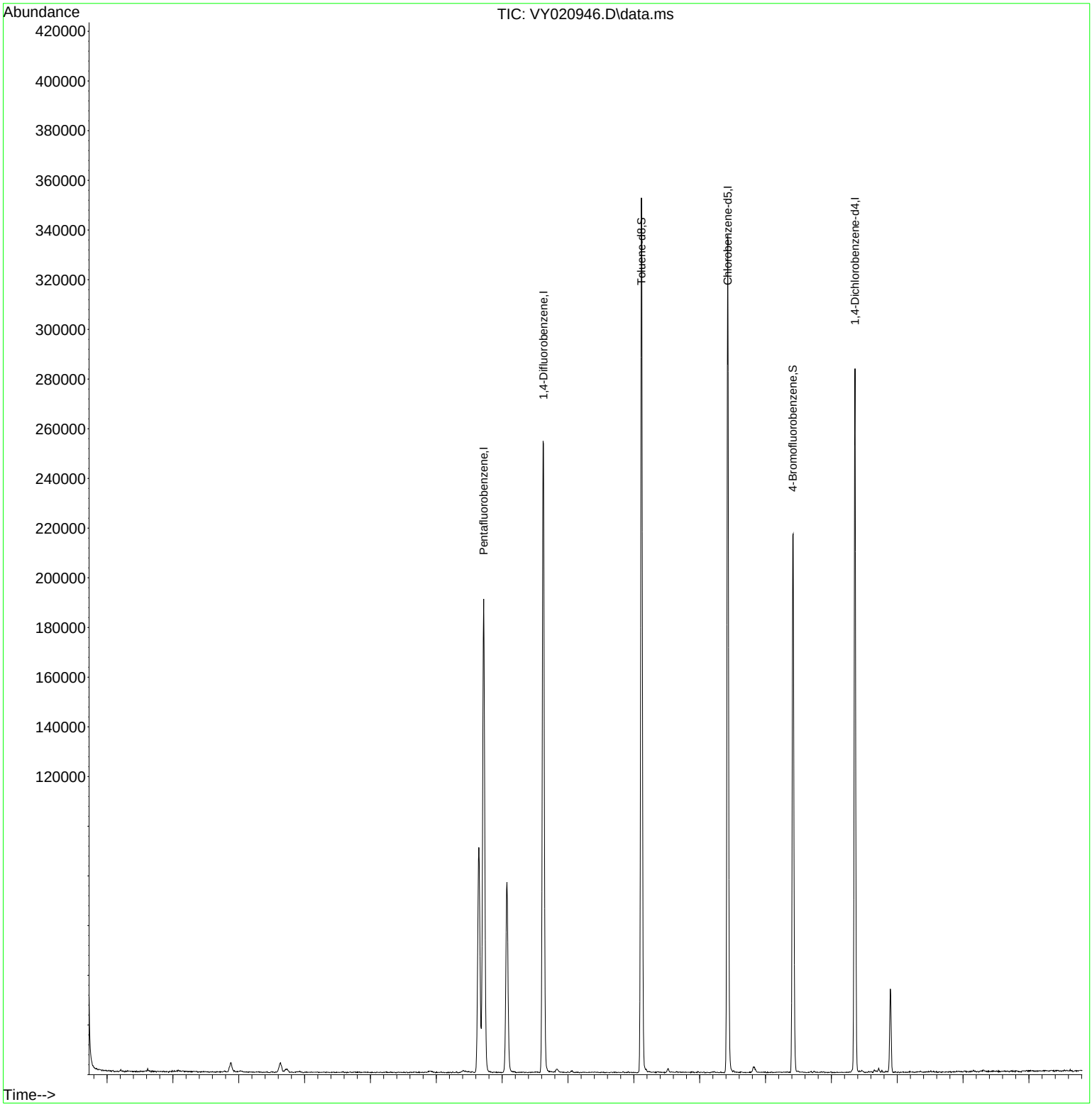
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	155482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	236023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	187660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	75046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	62524	50.436	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.880%			
35) Dibromofluoromethane	7.646	113	66890	49.366	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.740%			
50) Toluene-d8	10.115	98	238822	45.441	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.880%			
62) 4-Bromofluorobenzene	12.414	95	67951	38.849	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 77.700%			
Target Compounds						Qvalue
16) Acetone	3.879	43	6886	40.998	ug/l	93

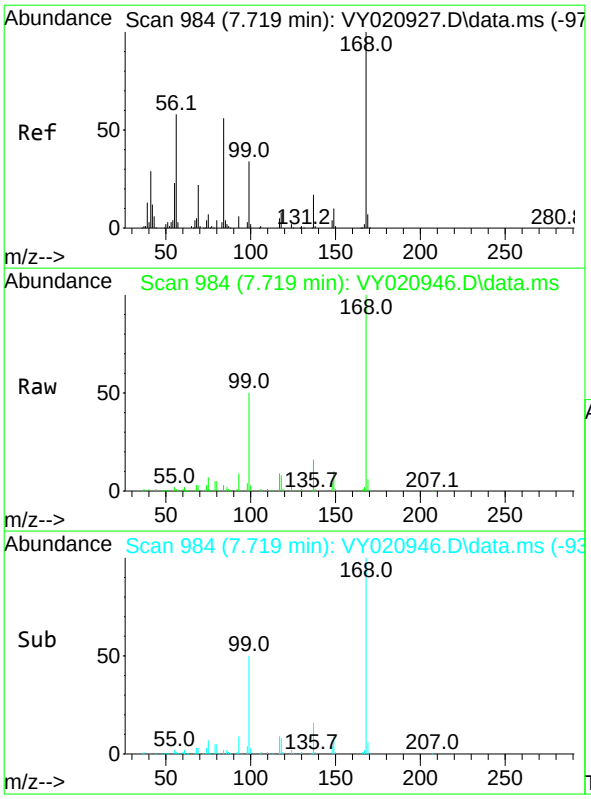
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020946.D
Acq On : 27 Jan 2025 14:24
Operator : SY/MD
Sample : Q1194-01
Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01

Quant Time: Jan 28 01:13:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration



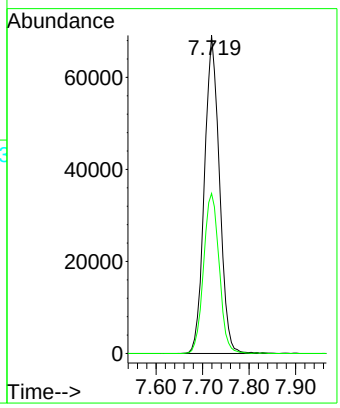


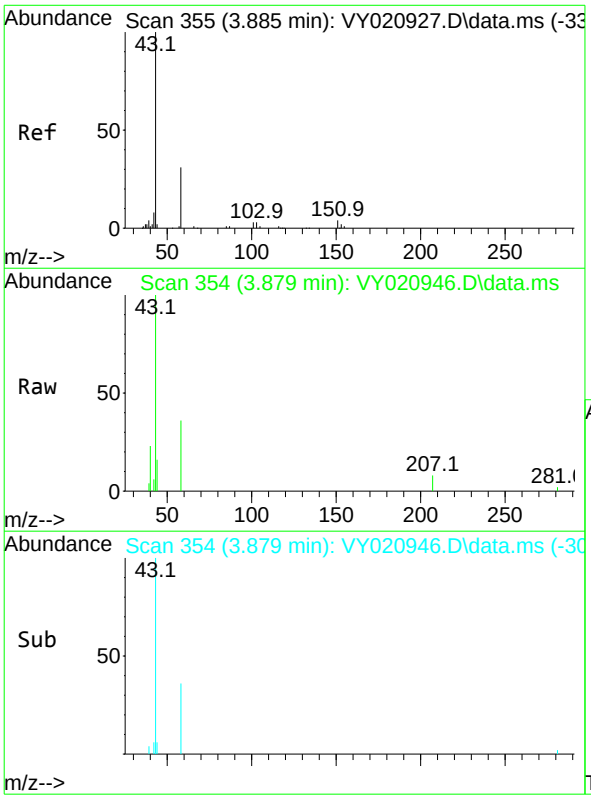
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020946.D
Acq: 27 Jan 2025 14:24

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01

Tgt Ion:168 Resp: 155482

Ion	Ratio	Lower	Upper
168	100		
99	50.3	43.0	64.6

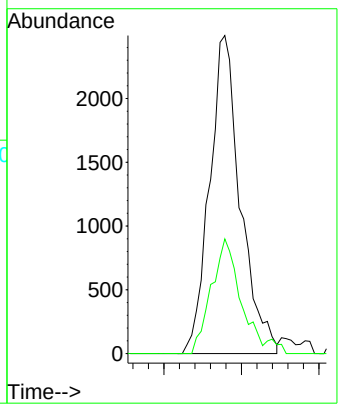


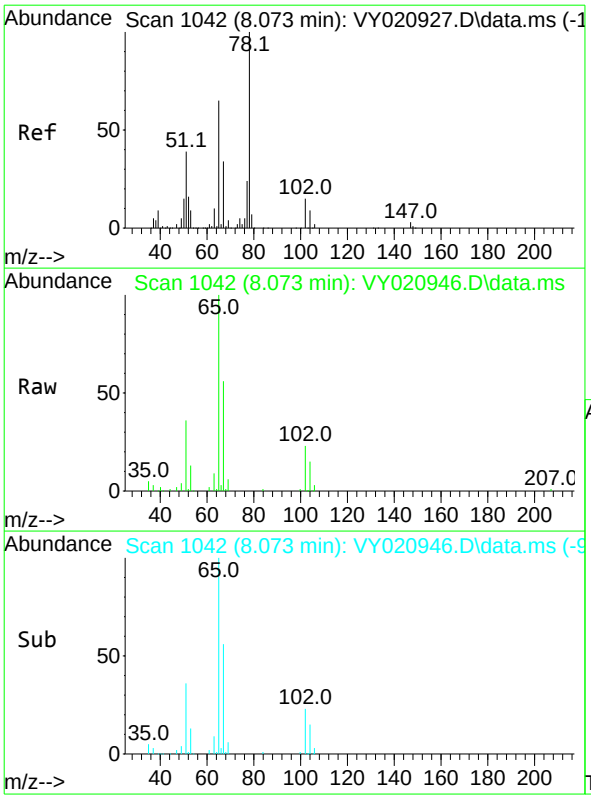


#16
Acetone
Concen: 40.998 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY020946.D
Acq: 27 Jan 2025 14:24

Tgt Ion: 43 Resp: 6886

Ion	Ratio	Lower	Upper
43	100		
58	36.0	25.6	38.4



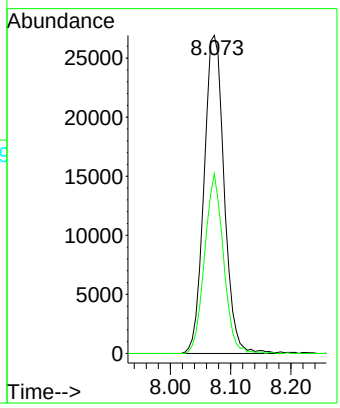


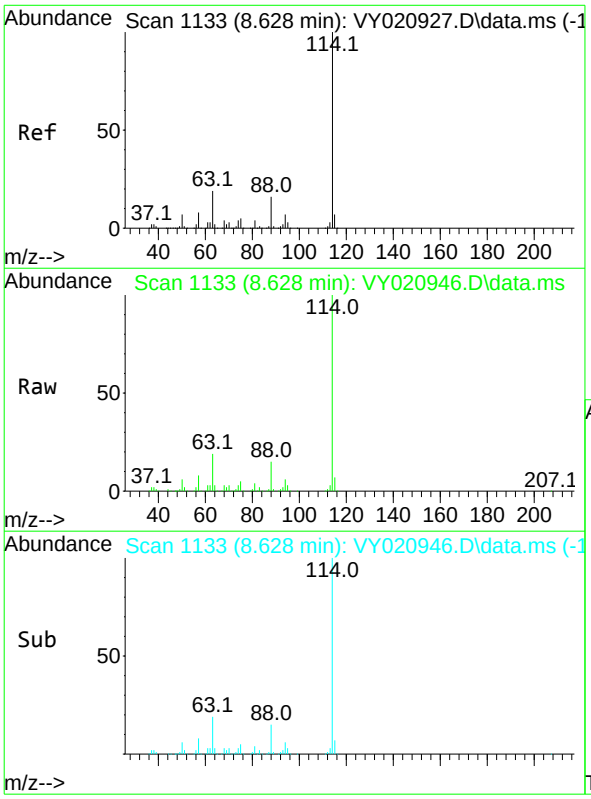
#33
1,2-Dichloroethane-d4
Concen: 50.436 ug/l
RT: 8.073 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020946.D
Acq: 27 Jan 2025 14:24

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01

Tgt Ion: 65 Resp: 62524

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8

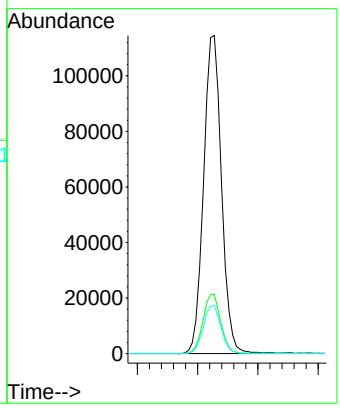




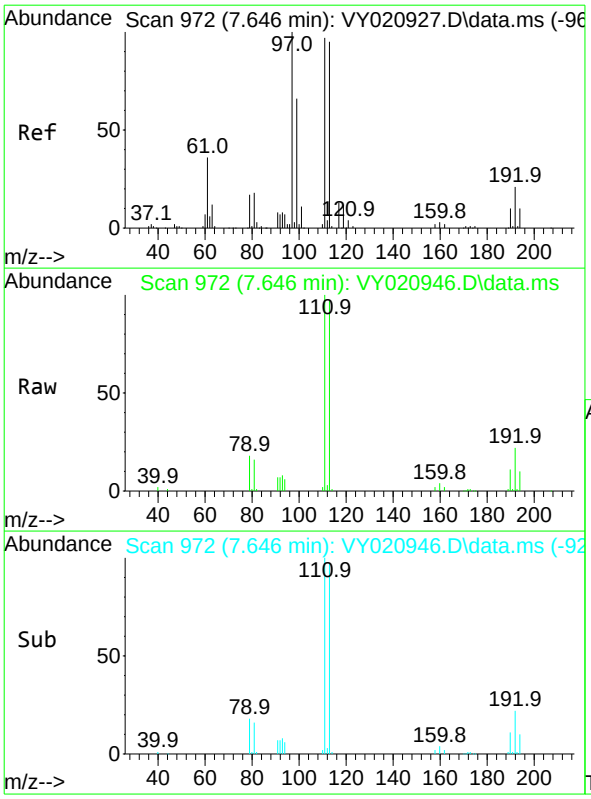
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VY020946.D
Acq: 27 Jan 2025 14:24

Tgt Ion:114 Resp: 236023

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	15.2	0.0	31.6



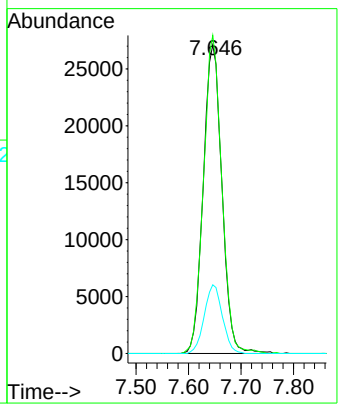
Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01

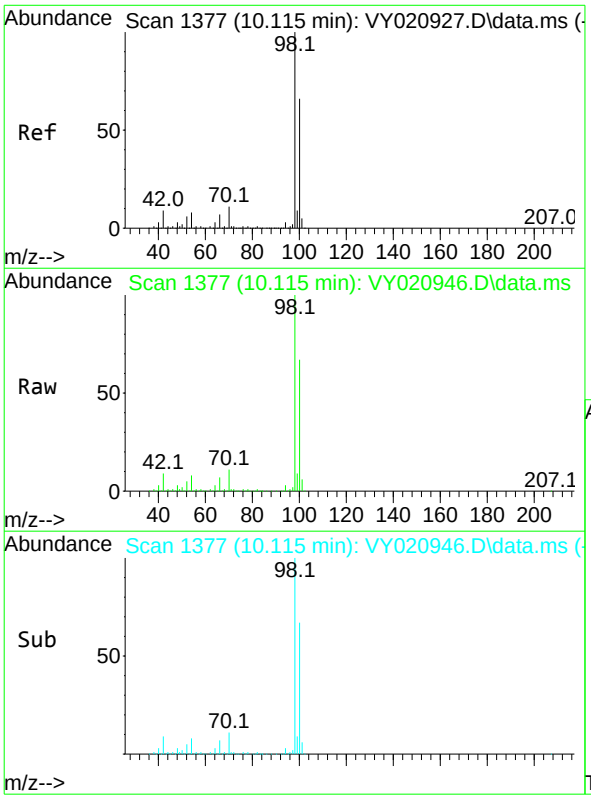


#35
Dibromofluoromethane
Concen: 49.366 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020946.D
Acq: 27 Jan 2025 14:24

Tgt Ion:113 Resp: 66890

Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.3	123.5
192	21.6	17.4	26.2

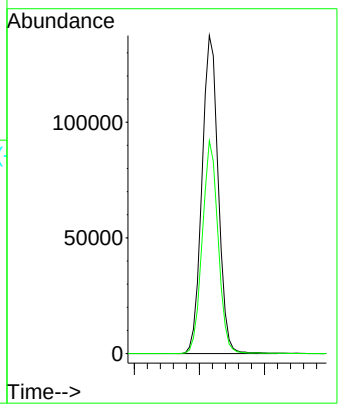


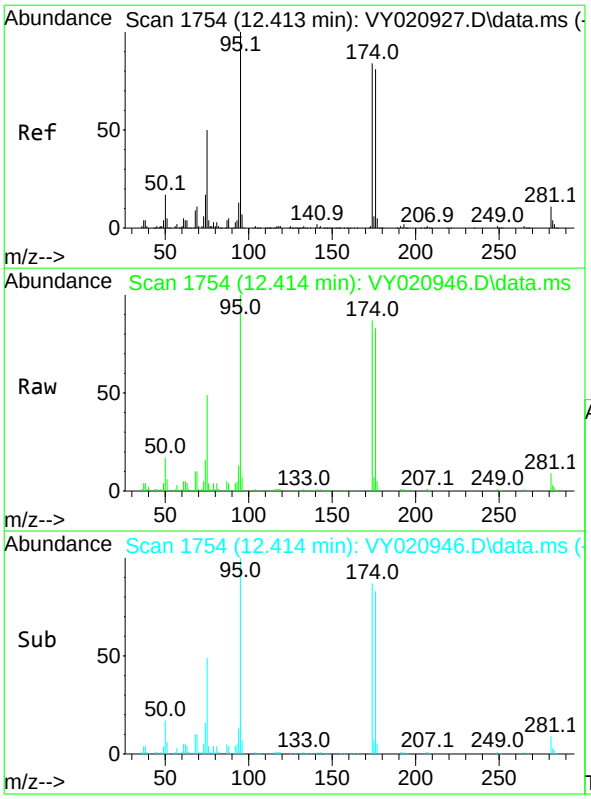


#50
Toluene-d8
Concen: 45.441 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020946.D
Acq: 27 Jan 2025 14:24

Tgt Ion: 98 Resp: 238822

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5



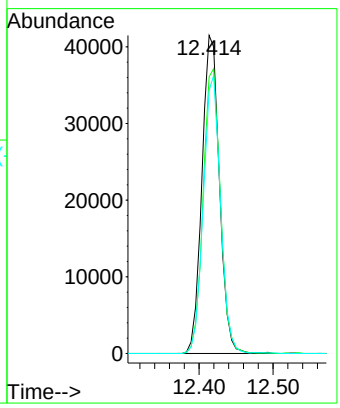


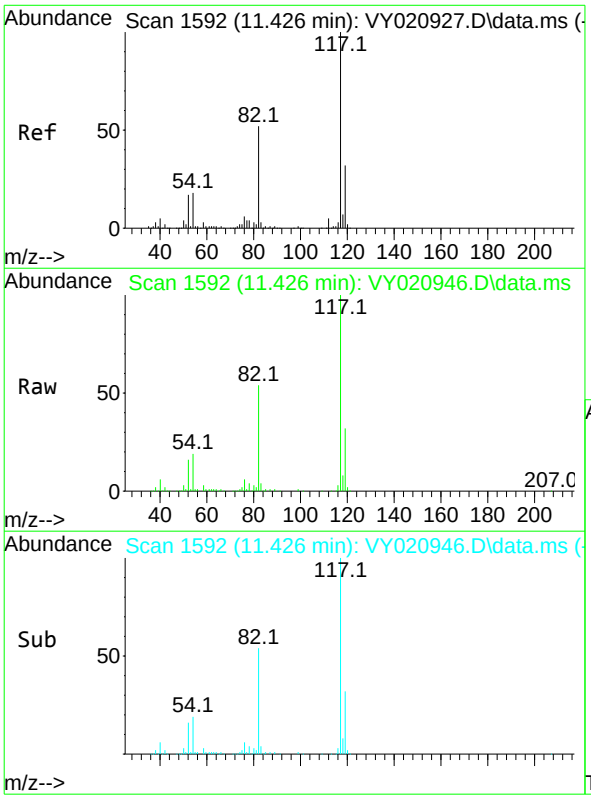
#62
4-Bromofluorobenzene
Concen: 38.849 ug/l
RT: 12.414 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020946.D
Acq: 27 Jan 2025 14:24

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01

Tgt Ion: 95 Resp: 67951

Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	177.4
176	86.0	0.0	172.2

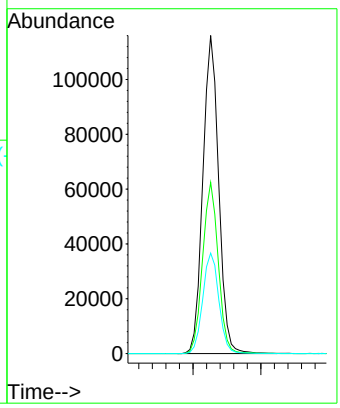


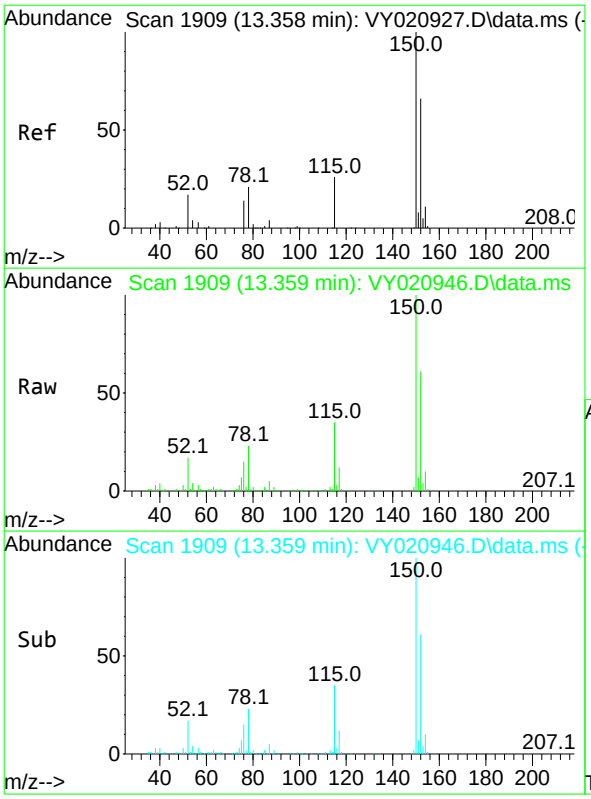


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.000 min
Lab File: VY020946.D
Acq: 27 Jan 2025 14:24

Tgt Ion:117 Resp: 187660

Ion	Ratio	Lower	Upper
117	100		
82	53.8	41.8	62.8
119	31.6	26.0	39.0



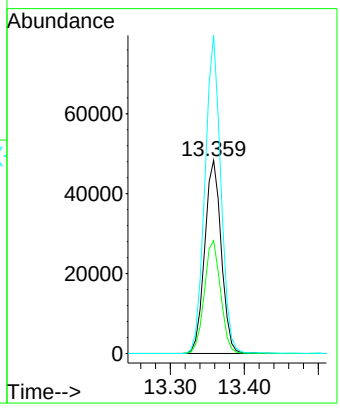


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020946.D
Acq: 27 Jan 2025 14:24

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01

Tgt Ion:152 Resp: 75046

Ion	Ratio	Lower	Upper
152	100		
115	57.4	29.0	87.0
150	158.3	0.0	347.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020946.D
Acq On : 27 Jan 2025 14:24
Operator : SY/MD
Sample : Q1194-01
Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Title : SW846 8260

Signal : TIC: VY020946.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.879	347	354	362	rBV	3708	9729	1.60%	0.286%
2	4.634	467	478	484	rBV3	3873	10857	1.78%	0.319%
3	7.646	961	972	978	rBV	90642	223322	36.63%	6.570%
4	7.719	978	984	998	rVB	190427	430365	70.58%	12.662%
5	8.073	1031	1042	1054	rBV2	76668	174906	28.69%	5.146%
6	8.622	1124	1132	1143	rBV	254243	523699	85.89%	15.408%
7	10.115	1370	1377	1388	rBV	351904	609738	100.00%	17.939%
8	11.426	1583	1592	1604	rBV	337303	547912	89.86%	16.120%
9	11.816	1650	1656	1666	rBV4	2278	6100	1.00%	0.179%
10	12.420	1748	1755	1764	rBV2	216798	378064	62.00%	11.123%
11	13.359	1902	1909	1919	rVB	283105	430675	70.63%	12.671%
12	13.895	1991	1997	2004	rVB2	33647	53493	8.77%	1.574%

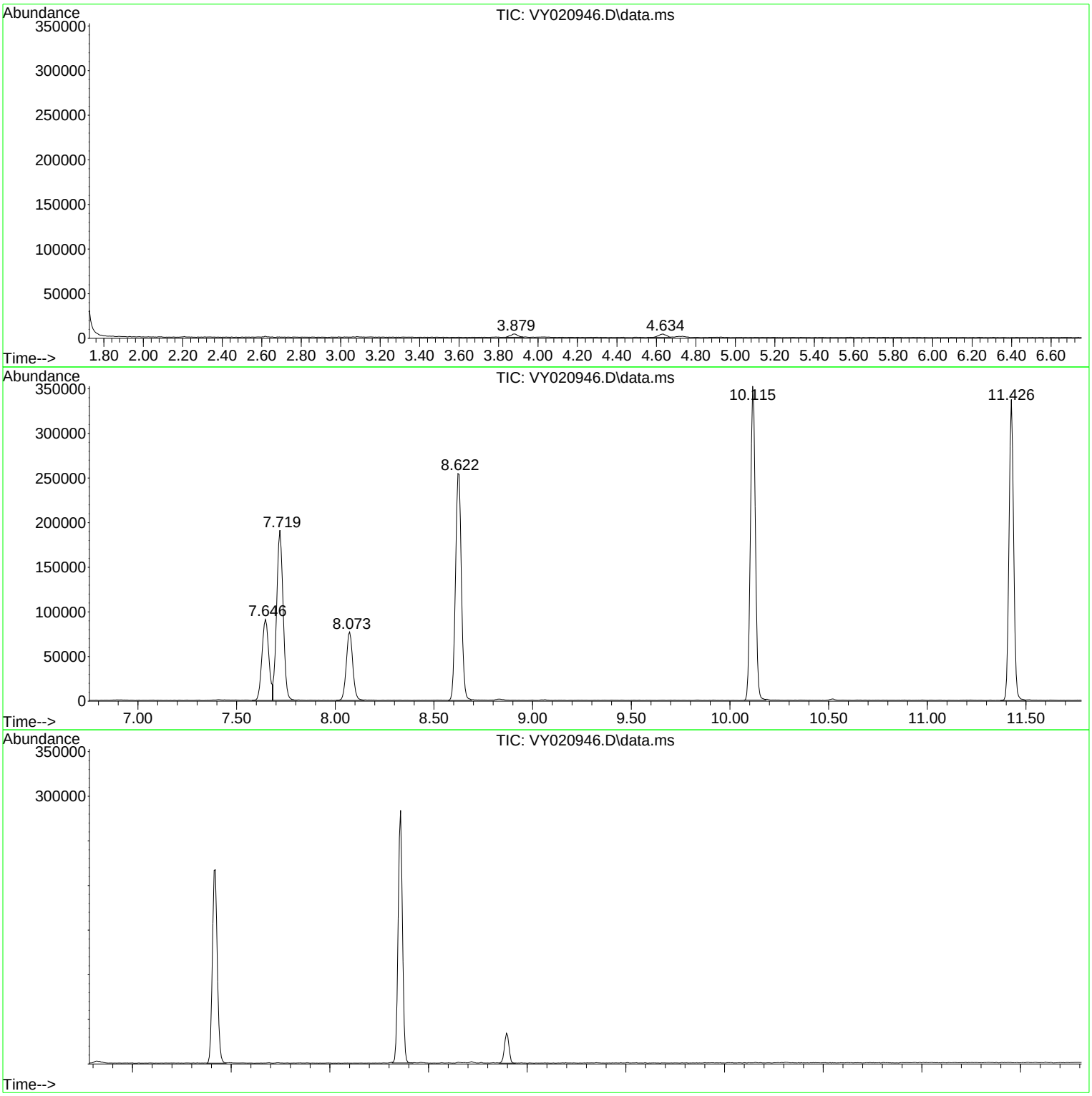
Sum of corrected areas: 3398860

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020946.D
Acq On : 27 Jan 2025 14:24
Operator : SY/MD
Sample : Q1194-01
Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020946.D
Acq On : 27 Jan 2025 14:24
Operator : SY/MD
Sample : Q1194-01
Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020946.D
Acq On : 27 Jan 2025 14:24
Operator : SY/MD
Sample : Q1194-01
Misc : 7.36g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020950.D
Acq On : 27 Jan 2025 16:01
Operator : SY/MD
Sample : Q1194-01RE
Misc : 7.98g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01RE

Quant Time: Jan 28 01:14:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

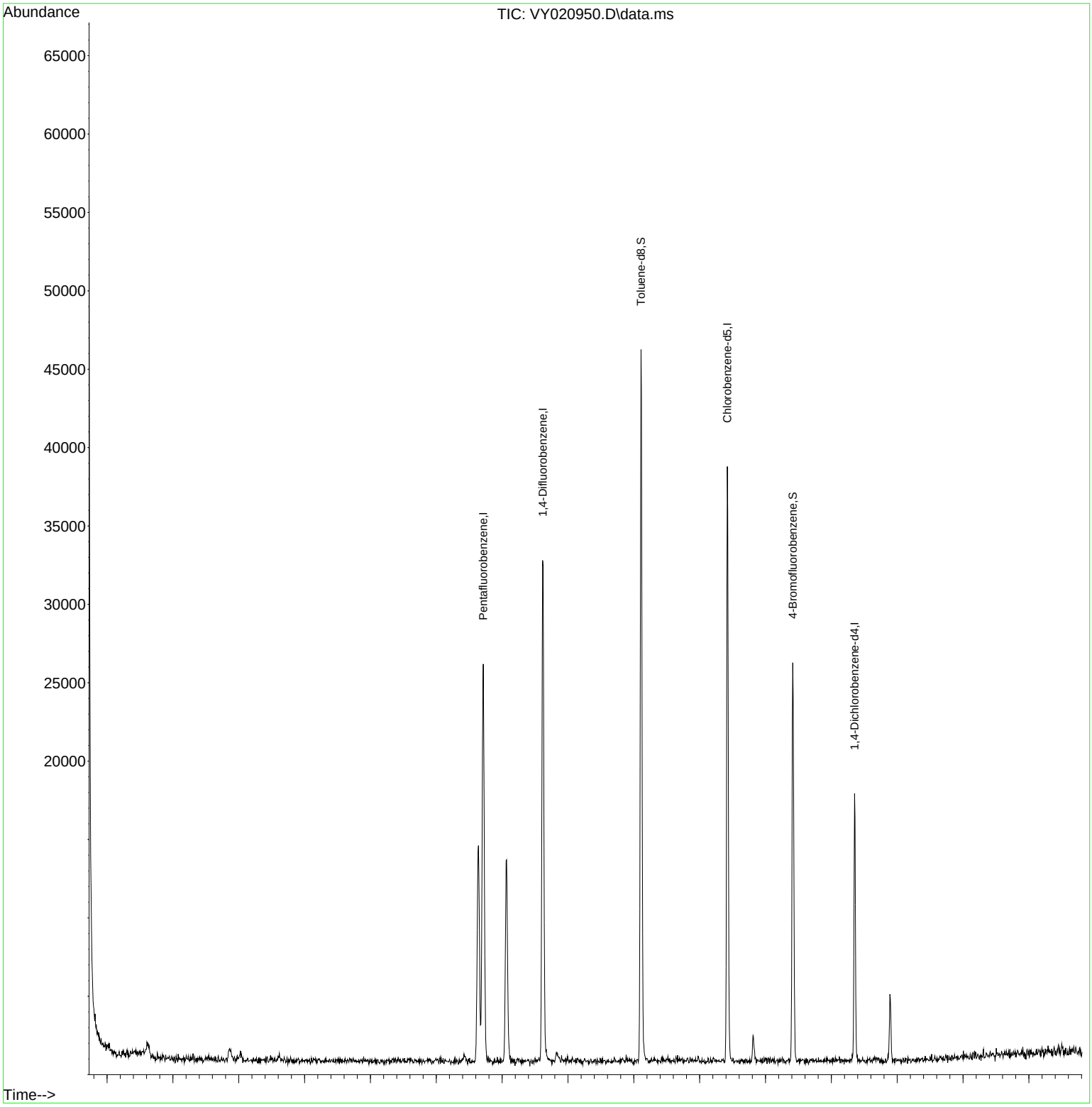
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	21135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	29996	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	22466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	4581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	10970	65.100	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.200%			
35) Dibromofluoromethane	7.640	113	10369	60.214	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.420%			
50) Toluene-d8	10.109	98	32166	48.157	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.320%			
62) 4-Bromofluorobenzene	12.414	95	6970	31.355	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 62.700%			
Target Compounds						Qvalue
16) Acetone	3.879	43	1773	77.657	ug/l #	78

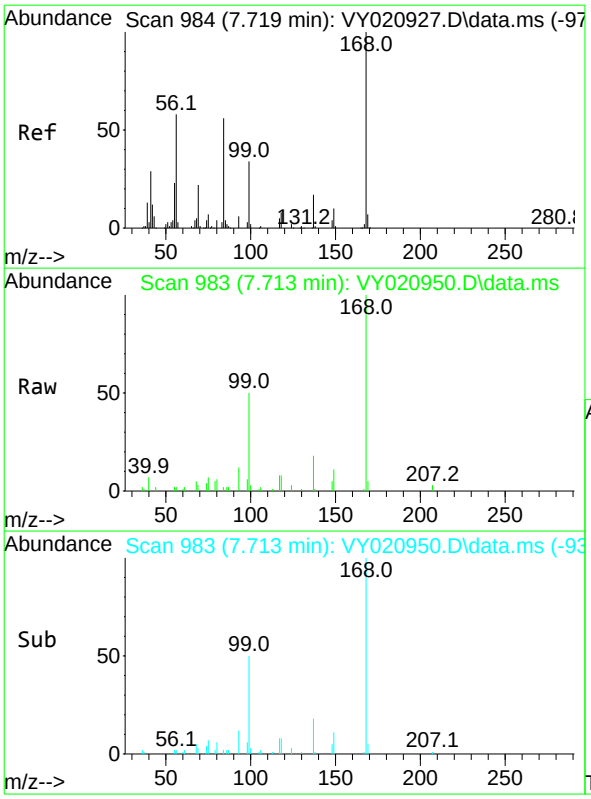
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020950.D
Acq On : 27 Jan 2025 16:01
Operator : SY/MD
Sample : Q1194-01RE
Misc : 7.98g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01RE

Quant Time: Jan 28 01:14:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration



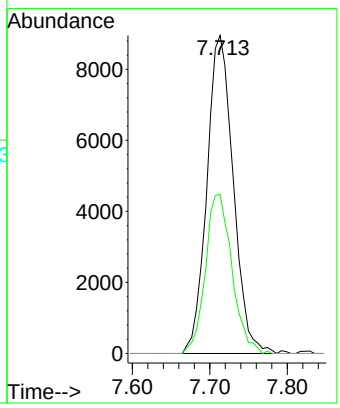


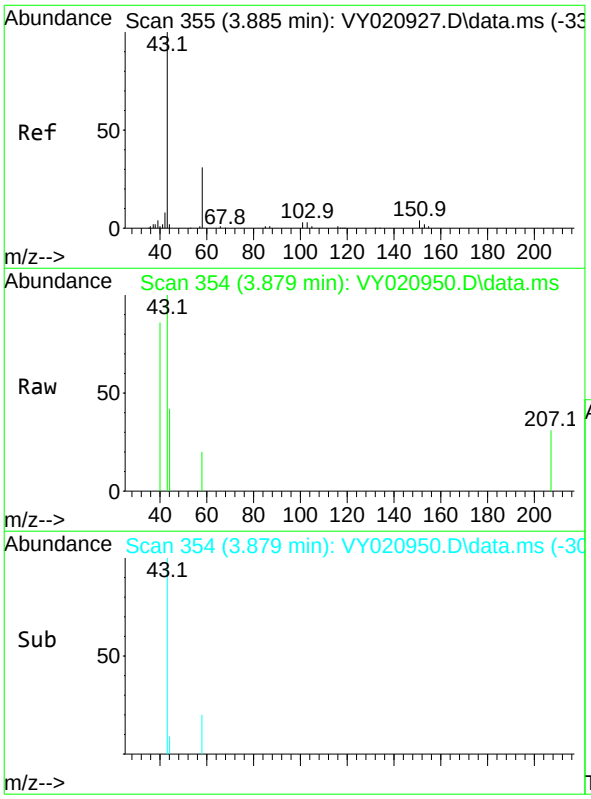
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01RE

Tgt Ion:168 Resp: 21135

Ion	Ratio	Lower	Upper
168	100		
99	50.0	43.0	64.6

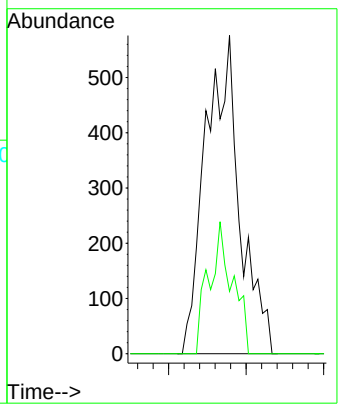




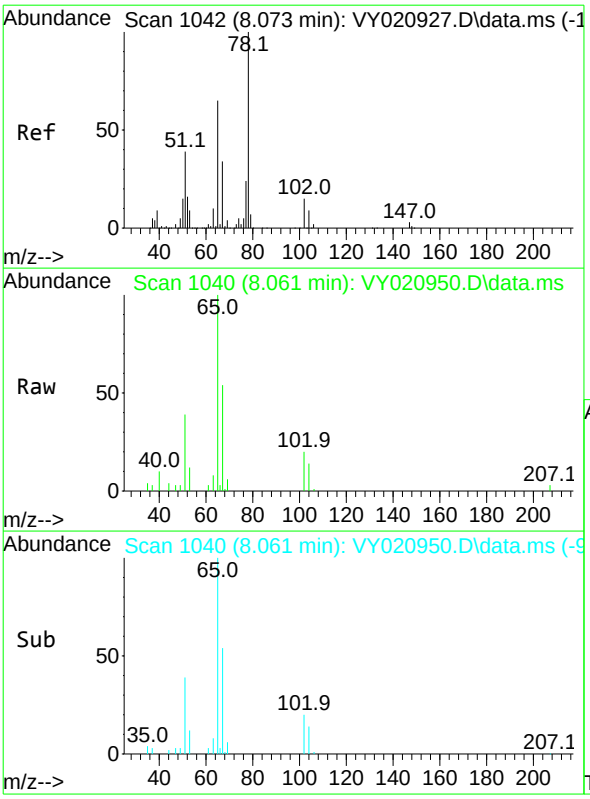
#16
Acetone
Concen: 77.657 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Tgt Ion: 43 Resp: 1773

Ion	Ratio	Lower	Upper
43	100		
58	19.6	25.6	38.4#



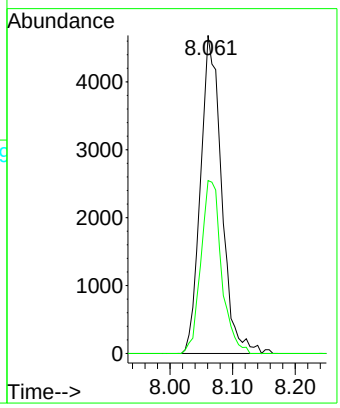
Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01RE

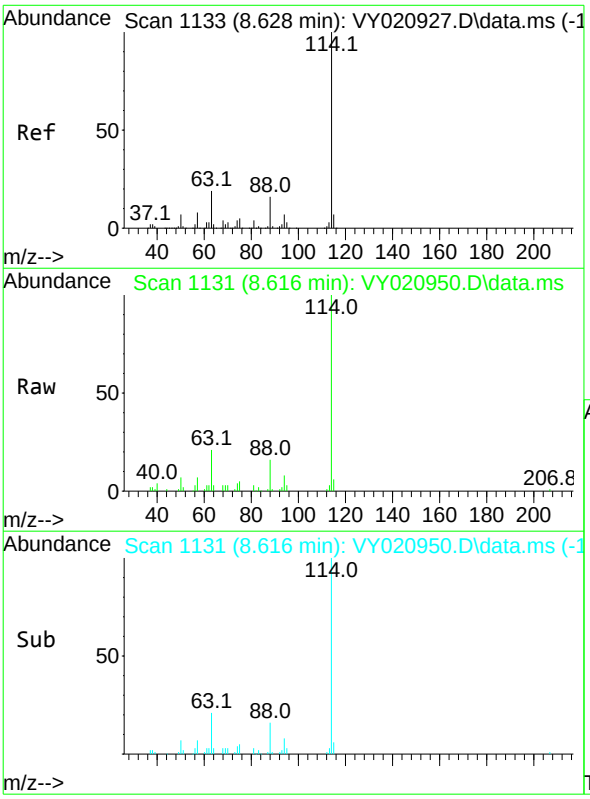


#33
1,2-Dichloroethane-d4
Concen: 65.100 ug/l
RT: 8.061 min Scan# 10
Delta R.T. -0.012 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Tgt Ion: 65 Resp: 10970

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.8

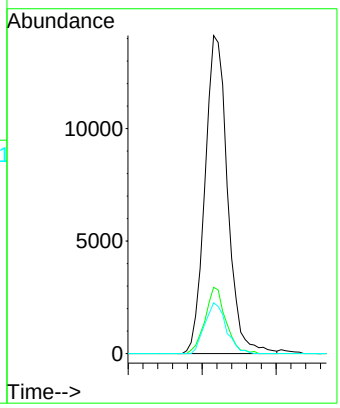


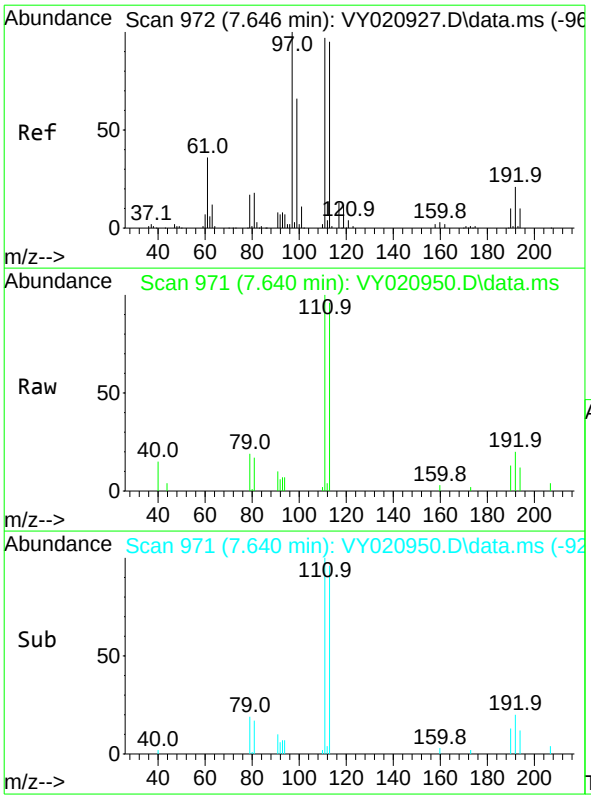


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.012 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Tgt Ion:114 Resp: 29996

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	38.4
88	16.0	0.0	31.6



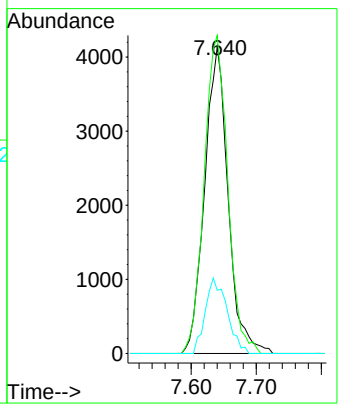


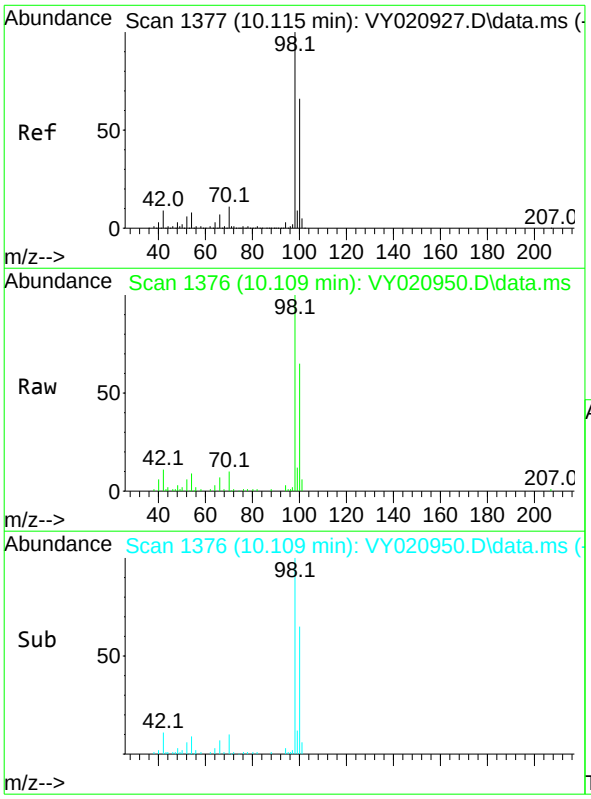
#35
Dibromofluoromethane
Concen: 60.214 ug/l
RT: 7.640 min Scan# 97
Delta R.T. -0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01RE

Tgt Ion:113 Resp: 10369

Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.3	123.5
192	22.8	17.4	26.2

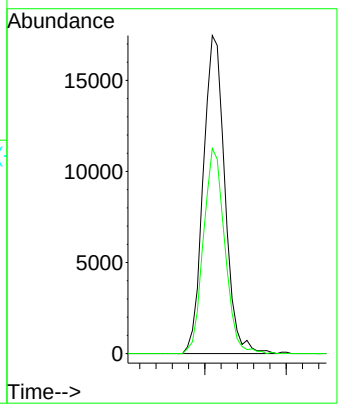


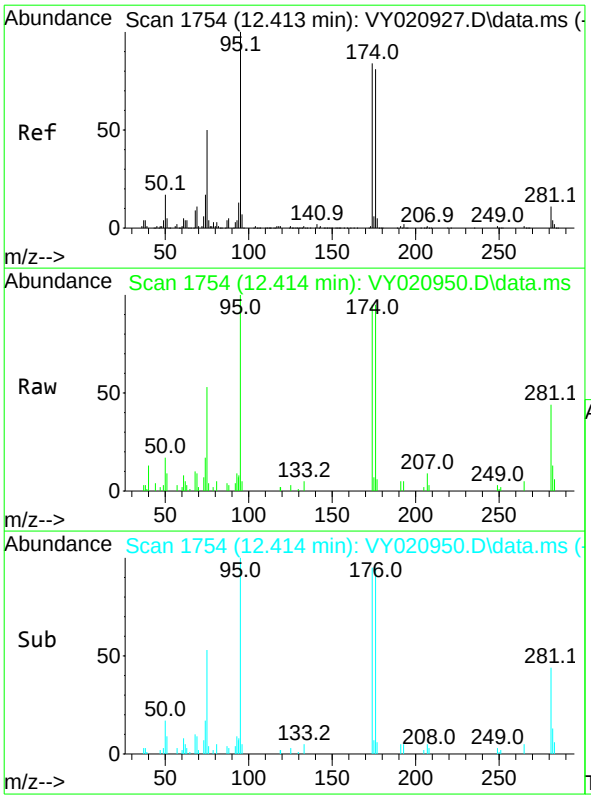


#50
Toluene-d8
Concen: 48.157 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Tgt Ion: 98 Resp: 32166

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.3	78.5



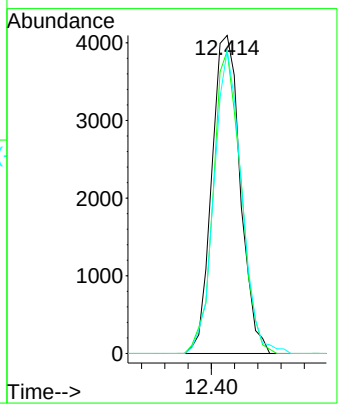


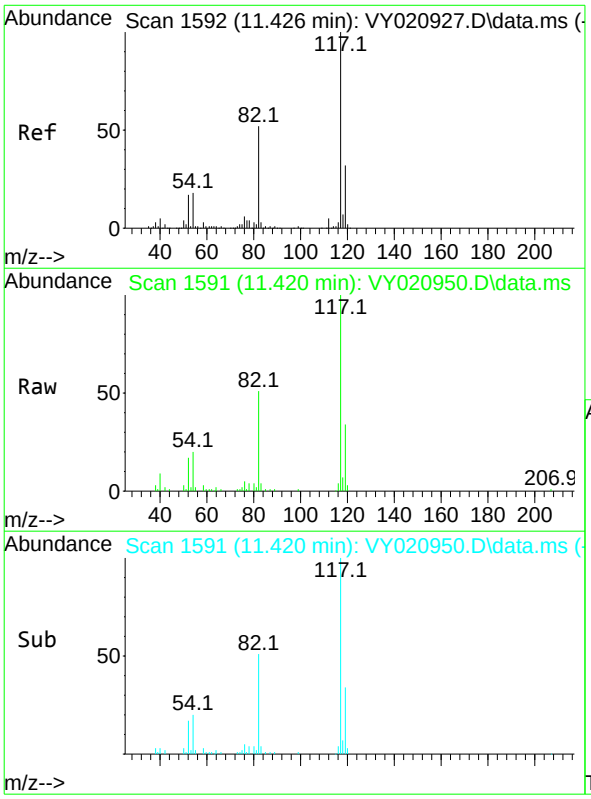
#62
4-Bromofluorobenzene
Concen: 31.355 ug/l
RT: 12.414 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01RE

Tgt Ion: 95 Resp: 6970

Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	177.4
176	92.2	0.0	172.2

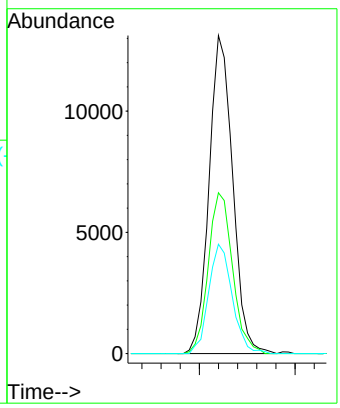


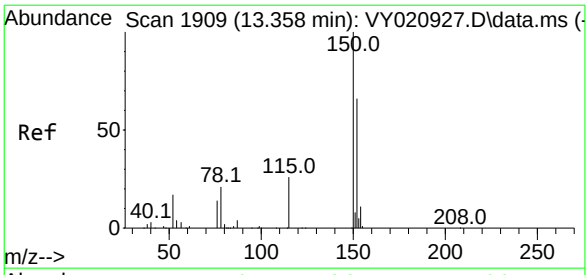


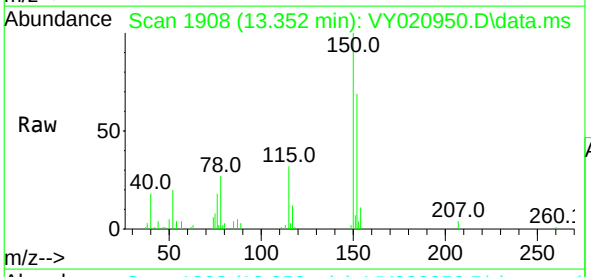
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

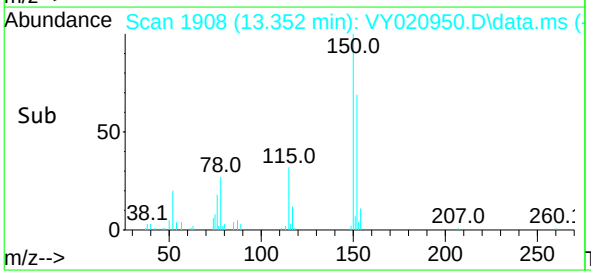
Tgt Ion:117 Resp: 22466

Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.8	62.8
119	34.4	26.0	39.0







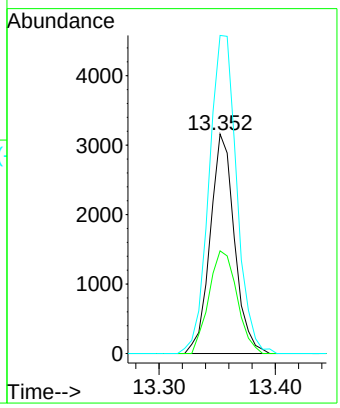


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB01RE

Tgt Ion:152 Resp: 4581

Ion	Ratio	Lower	Upper
152	100		
115	54.0	29.0	87.0
150	165.1	0.0	347.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020947.D
Acq On : 27 Jan 2025 14:47
Operator : SY/MD
Sample : Q1194-02
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB02

Quant Time: Jan 28 01:13:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

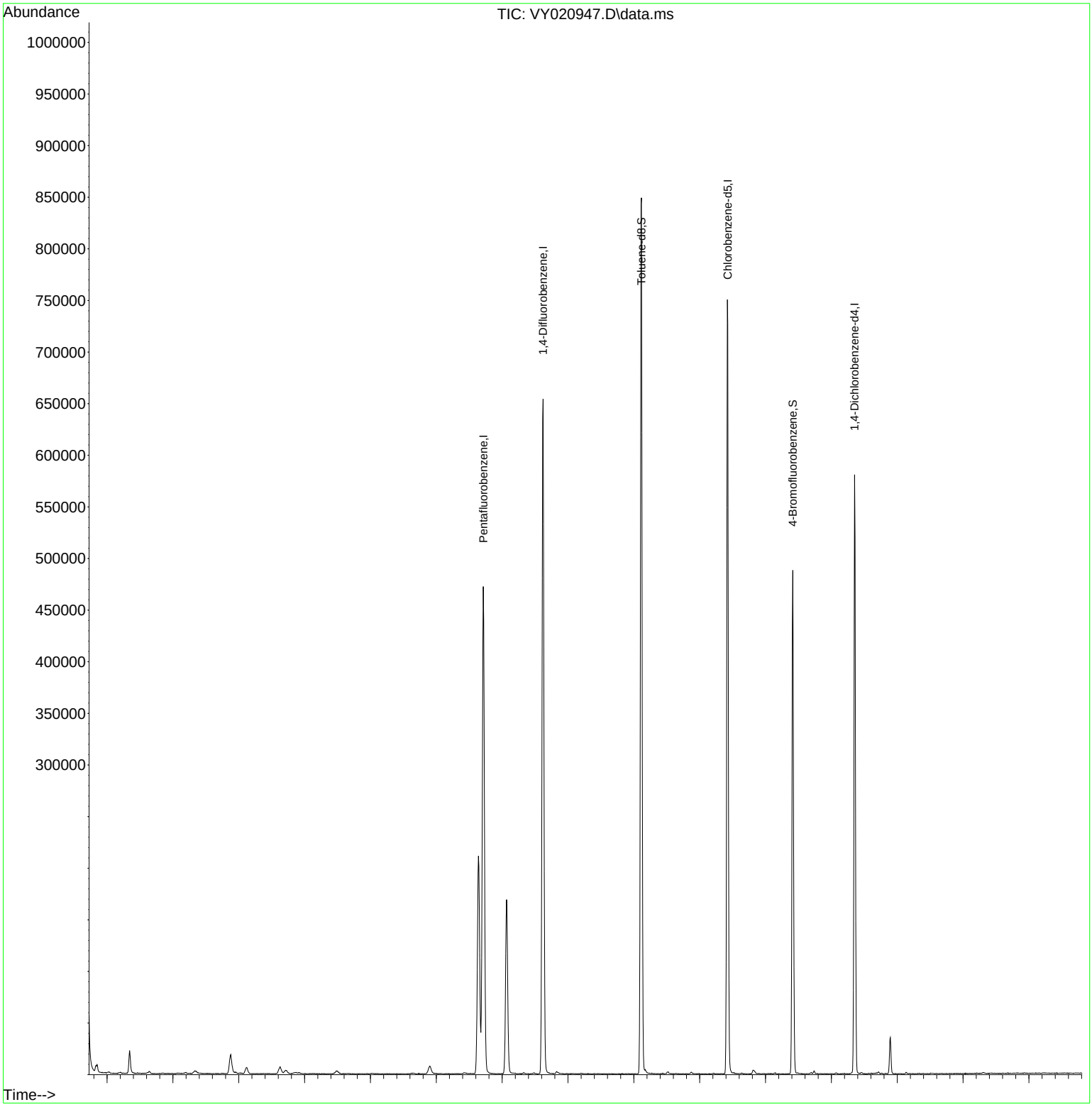
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	382024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	583439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	419826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	153323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	134752	44.240	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 88.480%			
35) Dibromofluoromethane	7.640	113	153725	45.896	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.800%			
50) Toluene-d8	10.115	98	578784	44.550	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 89.100%			
62) 4-Bromofluorobenzene	12.414	95	146415	33.863	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 67.720%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	2528	10.751	ug/l #	86
16) Acetone	3.879	43	31891	77.277	ug/l	96
17) Carbon Disulfide	4.116	76	11967	1.250	ug/l	100

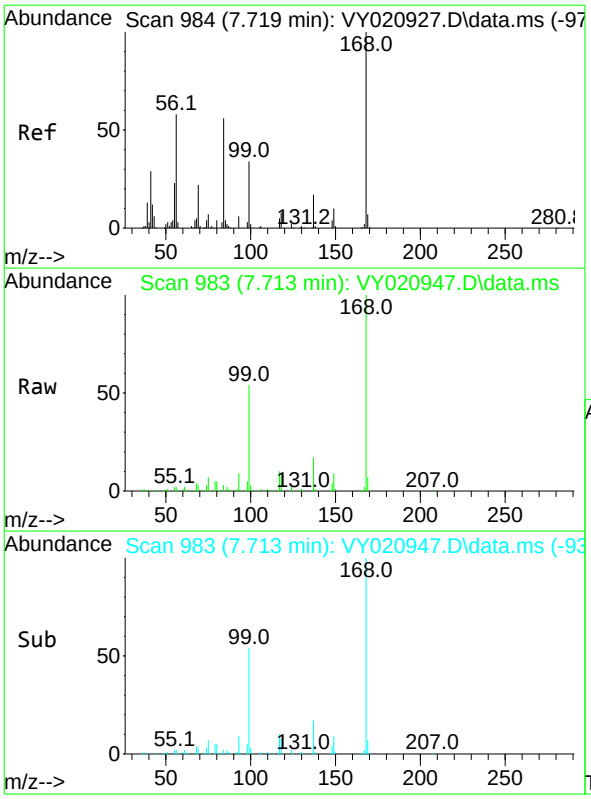
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020947.D
Acq On : 27 Jan 2025 14:47
Operator : SY/MD
Sample : Q1194-02
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB02

Quant Time: Jan 28 01:13:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration



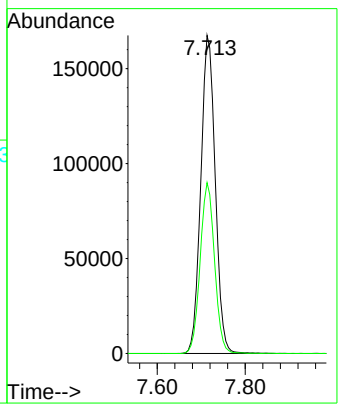


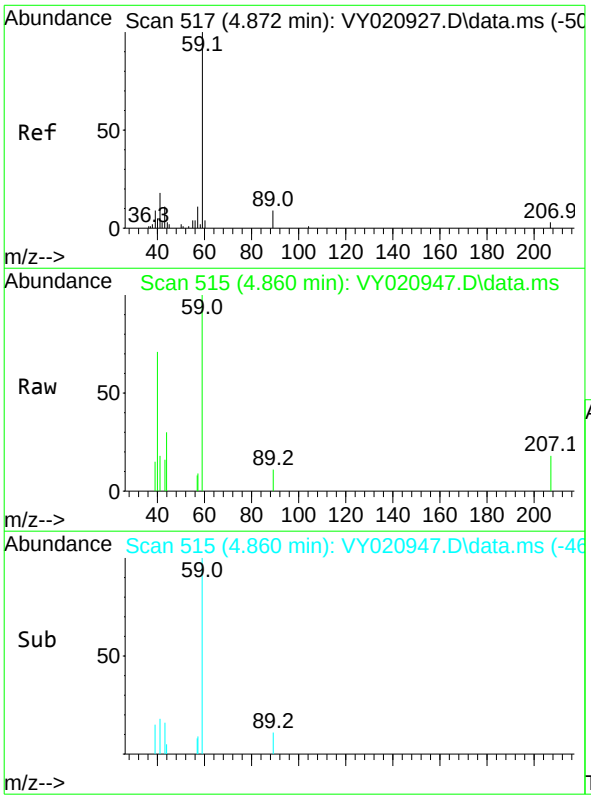
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB02

Tgt Ion:168 Resp: 382024

Ion	Ratio	Lower	Upper
168	100		
99	53.7	43.0	64.6

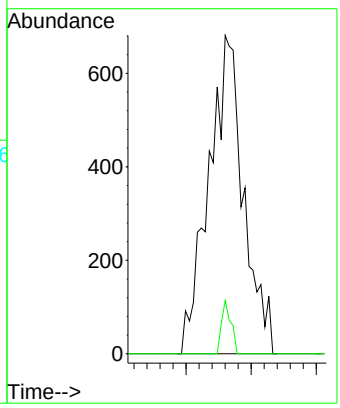




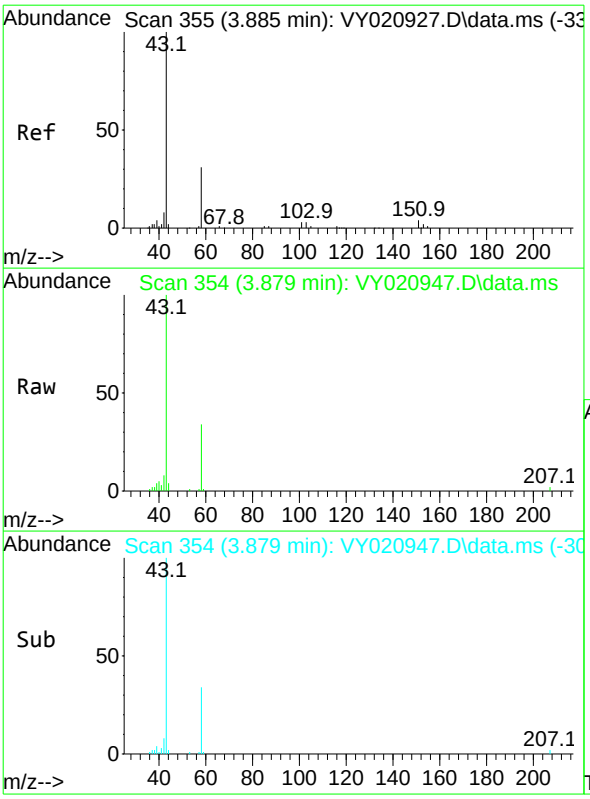
#11
Tert butyl alcohol
Concen: 10.751 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Tgt Ion: 59 Resp: 2528

Ion	Ratio	Lower	Upper
59	100		
57	4.5	7.7	11.5#



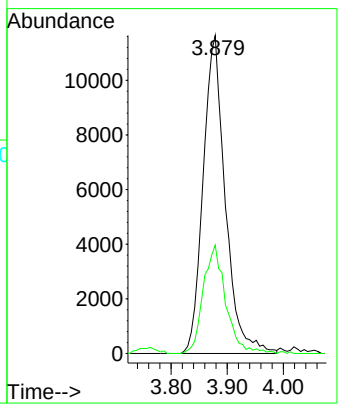
Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB02

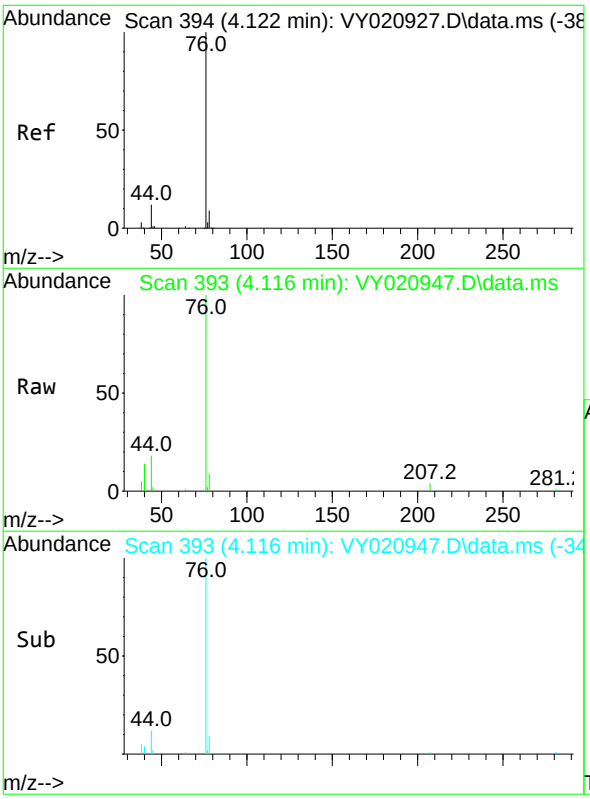


#16
Acetone
Concen: 77.277 ug/l
RT: 3.879 min Scan# 35
Delta R.T. -0.006 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Tgt Ion: 43 Resp: 31891

Ion	Ratio	Lower	Upper
43	100		
58	34.1	25.6	38.4

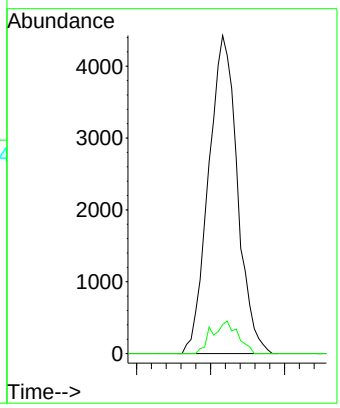


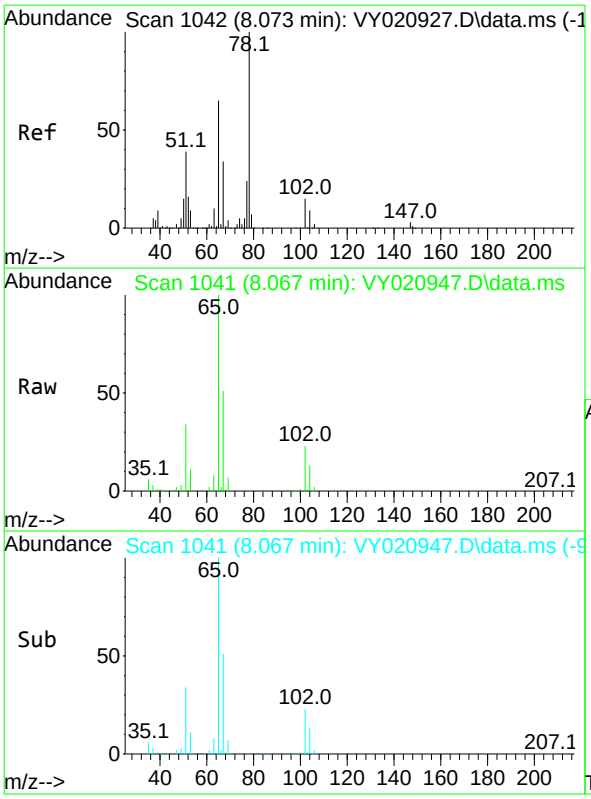


#17
Carbon Disulfide
Concen: 1.250 ug/l
RT: 4.116 min Scan# 393
Delta R.T. -0.006 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Tgt Ion: 76 Resp: 11967

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8



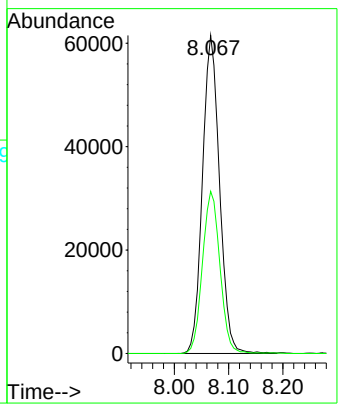


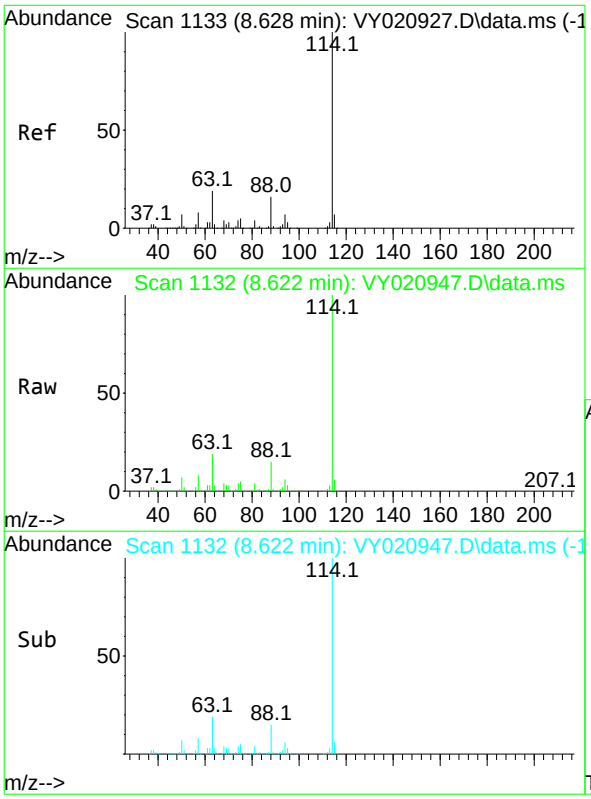
#33
1,2-Dichloroethane-d4
Concen: 44.240 ug/l
RT: 8.067 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB02

Tgt Ion: 65 Resp: 134752

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	105.8

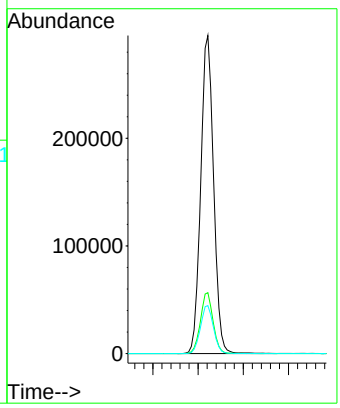


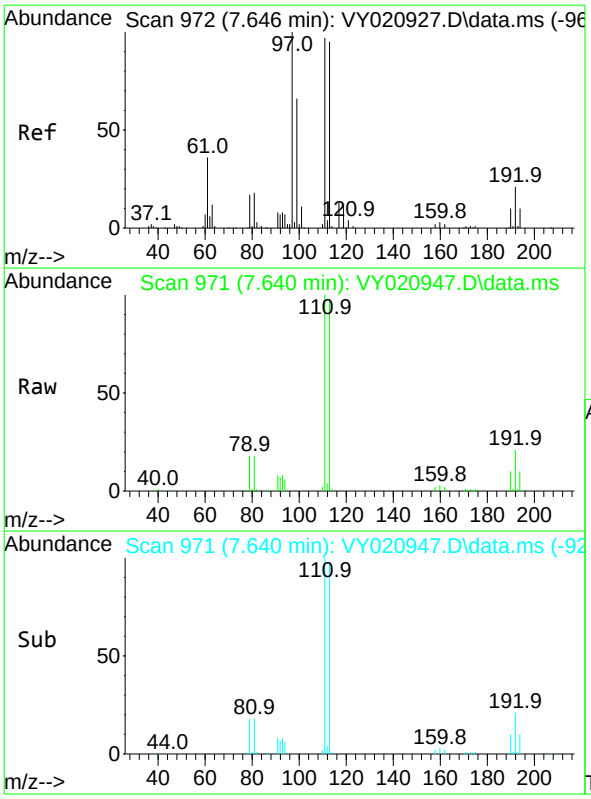


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Tgt Ion:114 Resp: 583439

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.4
88	15.1	0.0	31.6



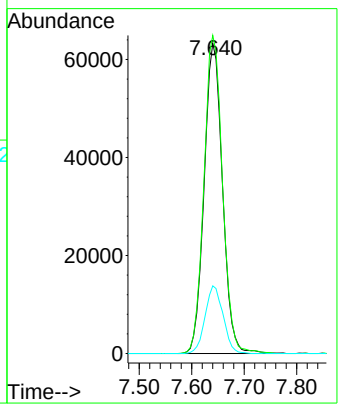


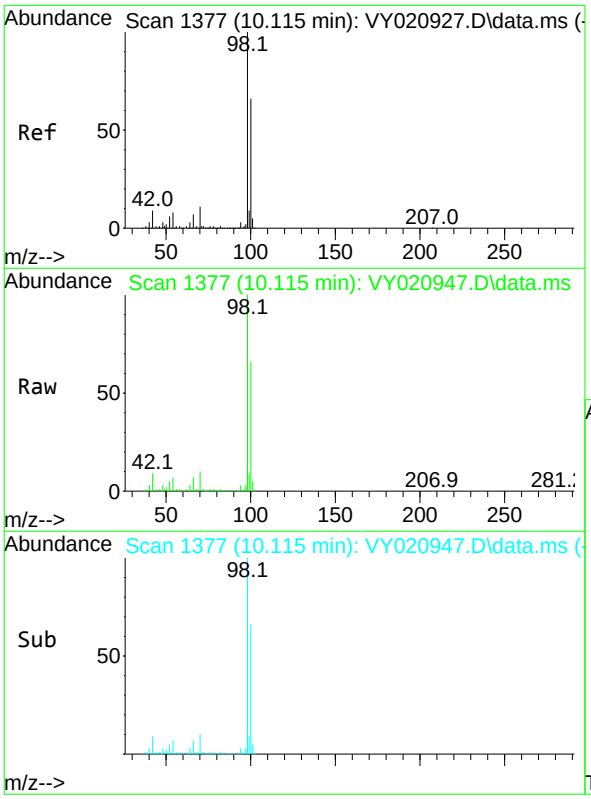
#35
Dibromofluoromethane
Concen: 45.896 ug/l
RT: 7.640 min Scan# 97
Delta R.T. -0.006 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB02

Tgt Ion:113 Resp: 153725

Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.3	123.5
192	21.3	17.4	26.2

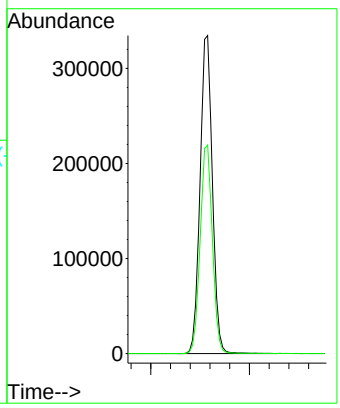


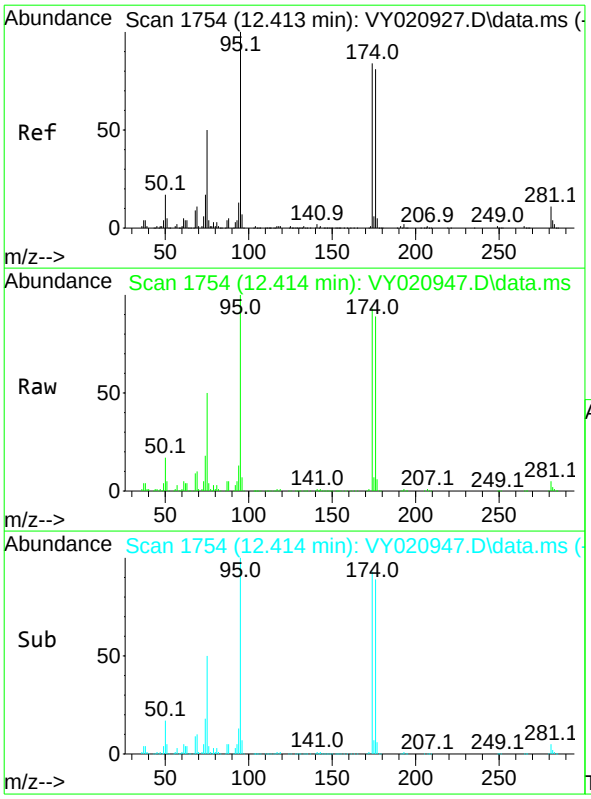


#50
Toluene-d8
Concen: 44.550 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Tgt Ion: 98 Resp: 578784

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5



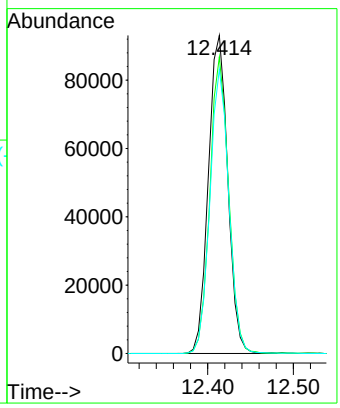


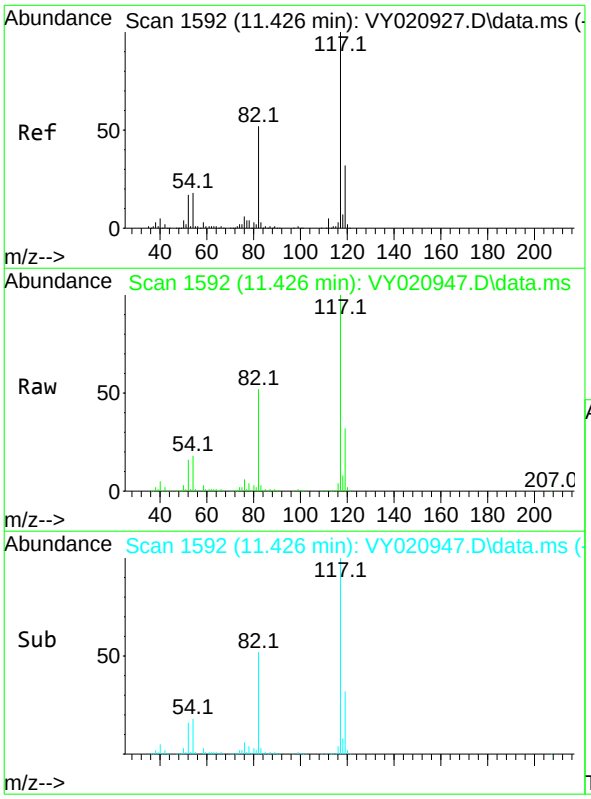
#62
4-Bromofluorobenzene
Concen: 33.863 ug/l
RT: 12.414 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB02

Tgt Ion: 95 Resp: 146415

Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	177.4
176	87.4	0.0	172.2

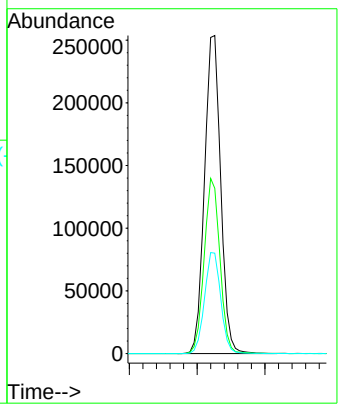


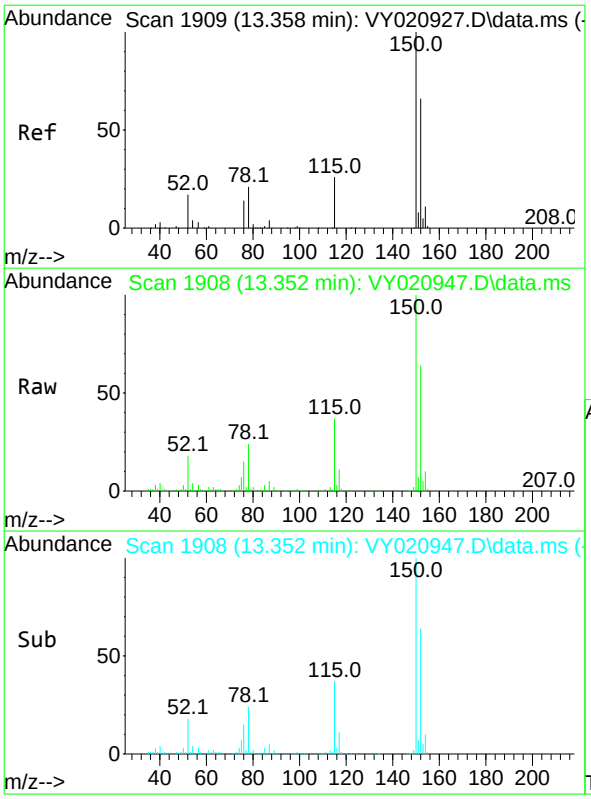


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.000 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Tgt Ion:117 Resp: 419826

Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.8
119	31.6	26.0	39.0



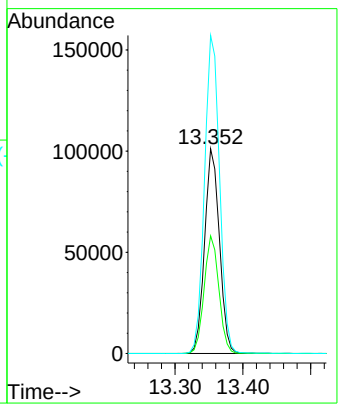


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB02

Tgt Ion:152 Resp: 153323

Ion	Ratio	Lower	Upper
152	100		
115	57.1	29.0	87.0
150	157.6	0.0	347.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020947.D
Acq On : 27 Jan 2025 14:47
Operator : SY/MD
Sample : Q1194-02
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB02

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Title : SW846 8260

Signal : TIC: VY020947.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.342	96	102	114	rVB	21933	38819	2.63%	0.496%
2	3.879	345	354	363	rBV	18478	49551	3.35%	0.633%
3	4.116	385	393	403	rBV2	5956	16025	1.08%	0.205%
4	4.628	465	477	485	rBV2	6732	20280	1.37%	0.259%
5	6.902	837	850	860	rBV4	7417	23411	1.58%	0.299%
6	7.640	961	971	977	rBV	210828	513845	34.76%	6.566%
7	7.713	977	983	999	rVB	471478	1067072	72.18%	13.636%
8	8.067	1031	1041	1056	rBV2	168859	378231	25.58%	4.833%
9	8.622	1123	1132	1146	rBV	653431	1289460	87.22%	16.478%
10	10.115	1367	1377	1385	rBV	848620	1478371	100.00%	18.892%
11	11.420	1584	1591	1605	rBV	749868	1227671	83.04%	15.688%
12	12.414	1746	1754	1763	rBV	487743	779444	52.72%	9.960%
13	13.352	1896	1908	1919	rBV	580487	886209	59.94%	11.325%
14	13.895	1989	1997	2005	rBV2	34965	57012	3.86%	0.729%

Sum of corrected areas: 7825401

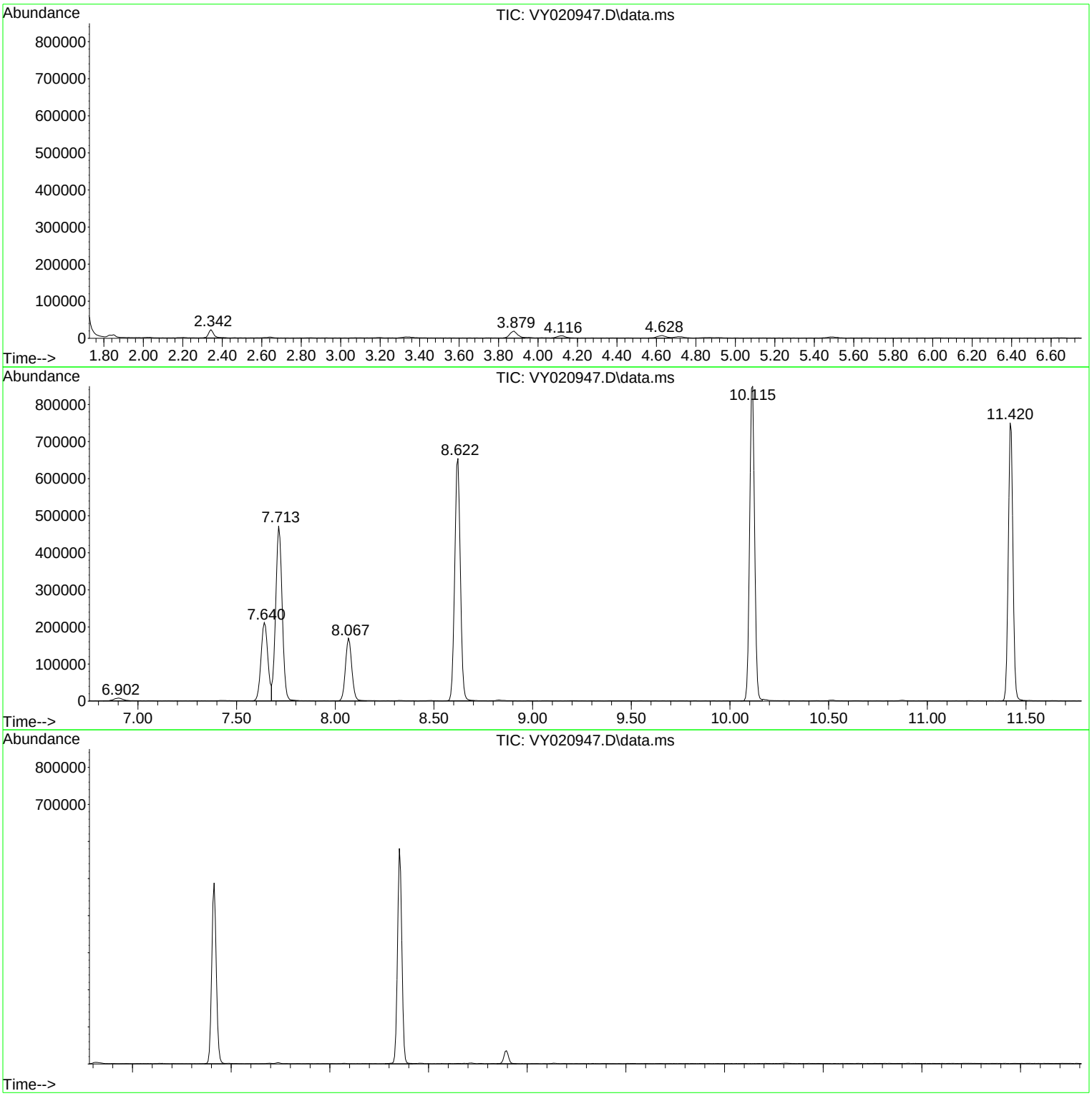
Sample Results: **VY020947.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020947.D
Acq On : 27 Jan 2025 14:47
Operator : SY/MD
Sample : Q1194-02
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020947.D
Acq On : 27 Jan 2025 14:47
Operator : SY/MD
Sample : Q1194-02
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020947.D
Acq On : 27 Jan 2025 14:47
Operator : SY/MD
Sample : Q1194-02
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-110-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020951.D
Acq On : 27 Jan 2025 16:24
Operator : SY/MD
Sample : Q1194-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB01

Quant Time: Jan 28 01:15:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

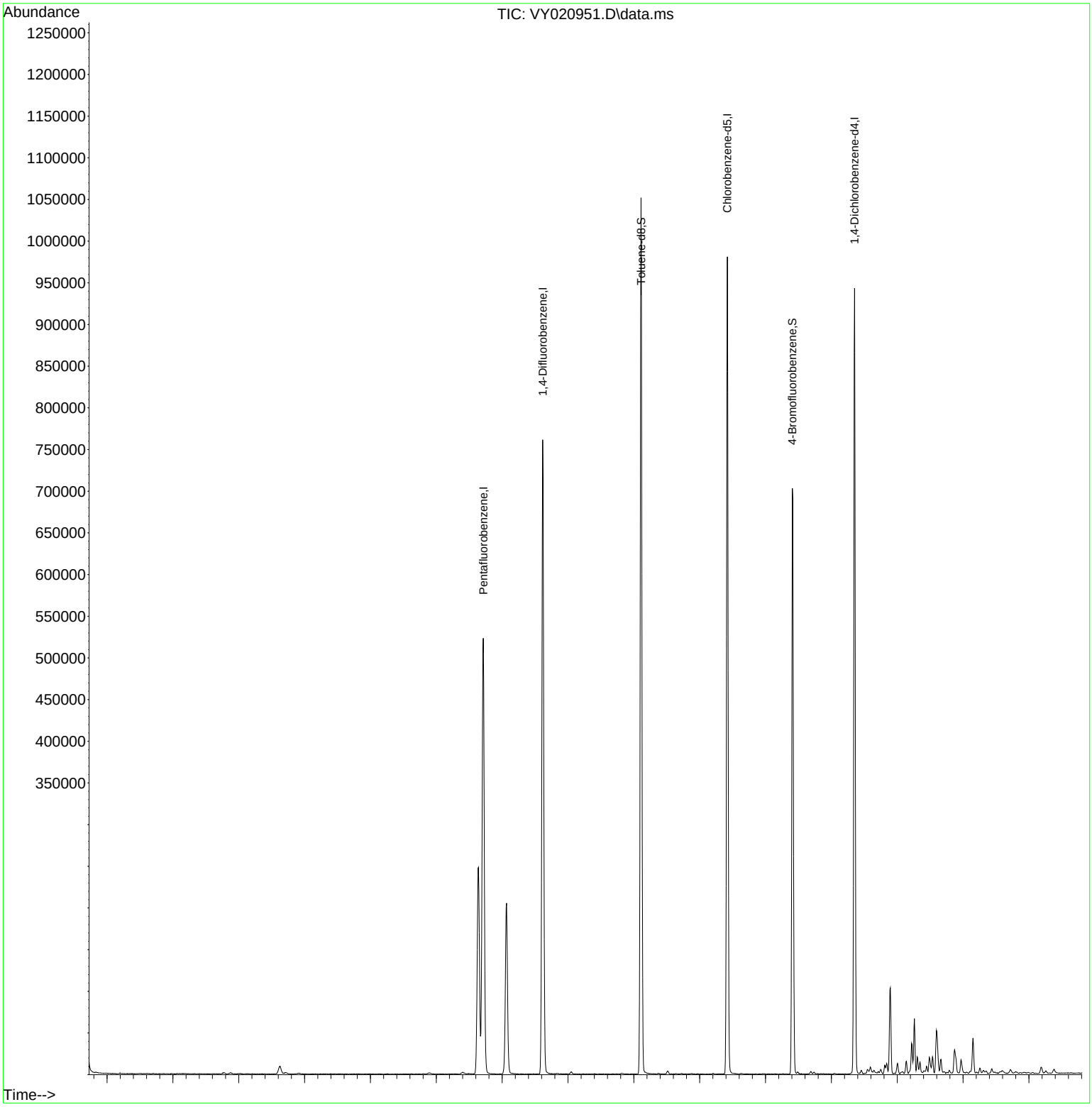
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	427947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	666781	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	538661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	250424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	163199	47.830	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.660%		
35) Dibromofluoromethane	7.640	113	182113	47.575	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.160%		
50) Toluene-d8	10.109	98	699677	47.124	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.240%		
62) 4-Bromofluorobenzene	12.407	95	216063	43.725	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	87.460%		
Target Compounds						Qvalue

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

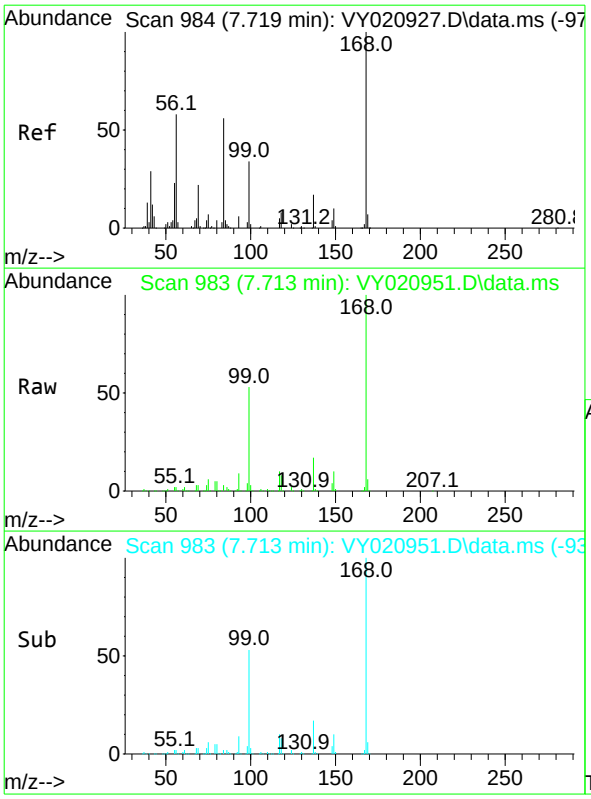
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020951.D
Acq On : 27 Jan 2025 16:24
Operator : SY/MD
Sample : Q1194-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB01

Quant Time: Jan 28 01:15:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration



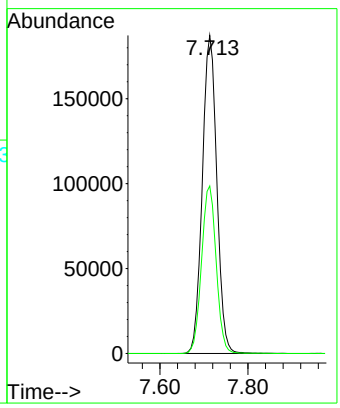
Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB01

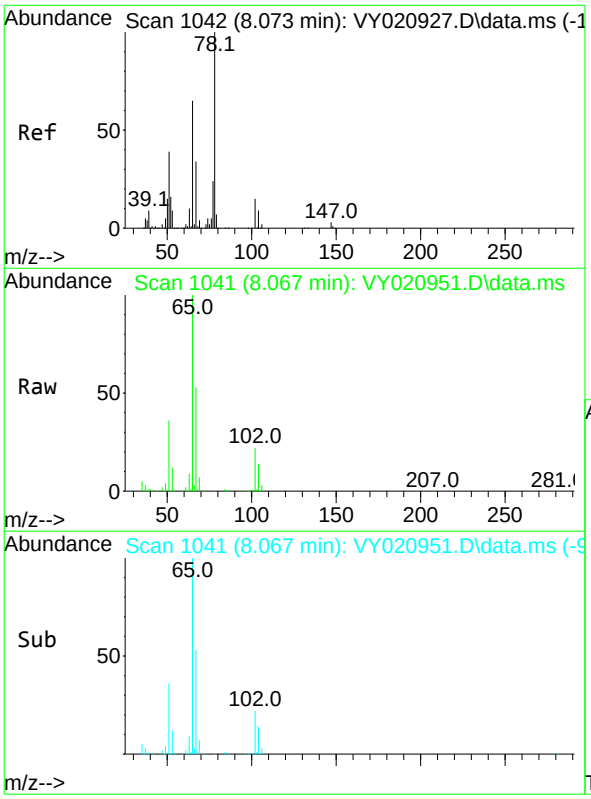


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020951.D
Acq: 27 Jan 2025 16:24

Tgt Ion:168 Resp: 427947

Ion	Ratio	Lower	Upper
168	100		
99	52.7	43.0	64.6

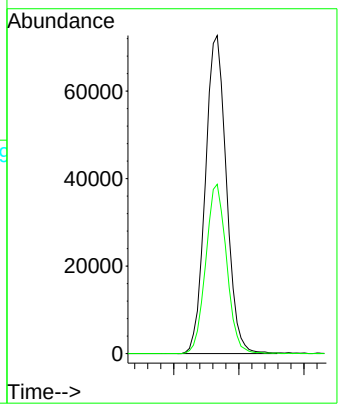




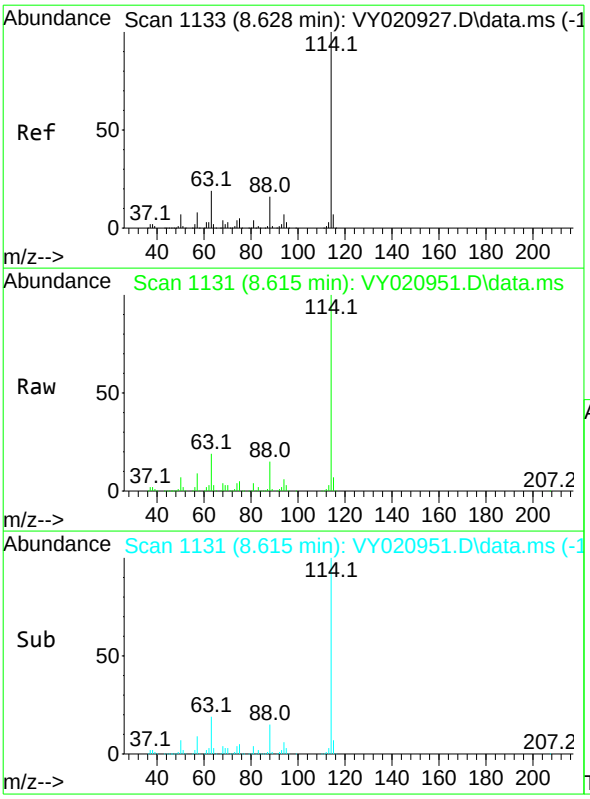
#33
1,2-Dichloroethane-d4
Concen: 47.830 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020951.D
Acq: 27 Jan 2025 16:24

Tgt Ion: 65 Resp: 163199

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.8



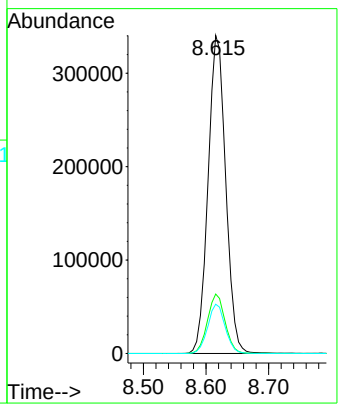
Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB01

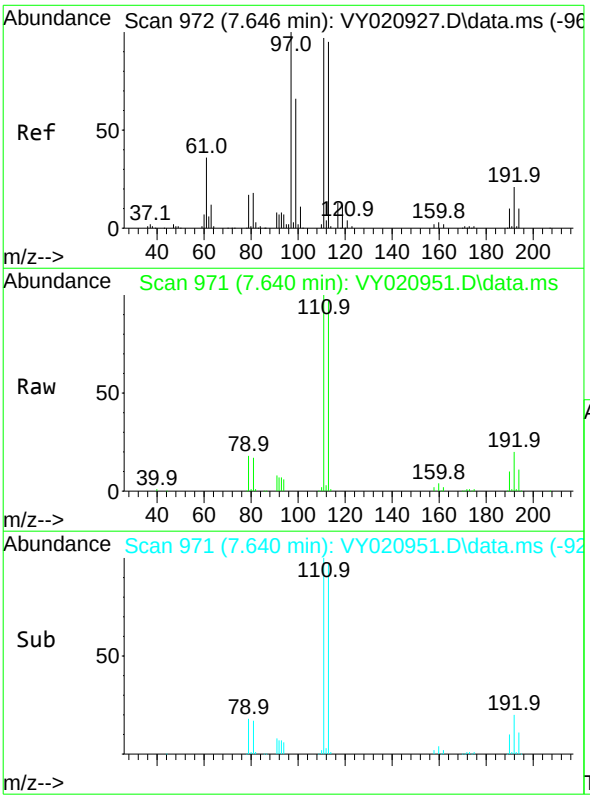


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY020951.D
Acq: 27 Jan 2025 16:24

Tgt Ion:114 Resp: 666781

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	15.5	0.0	31.6

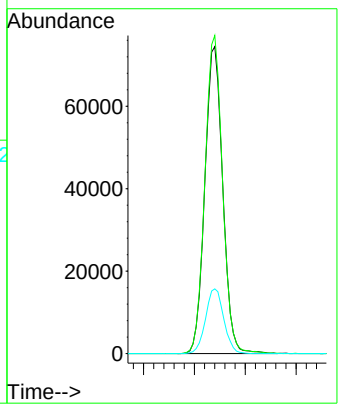


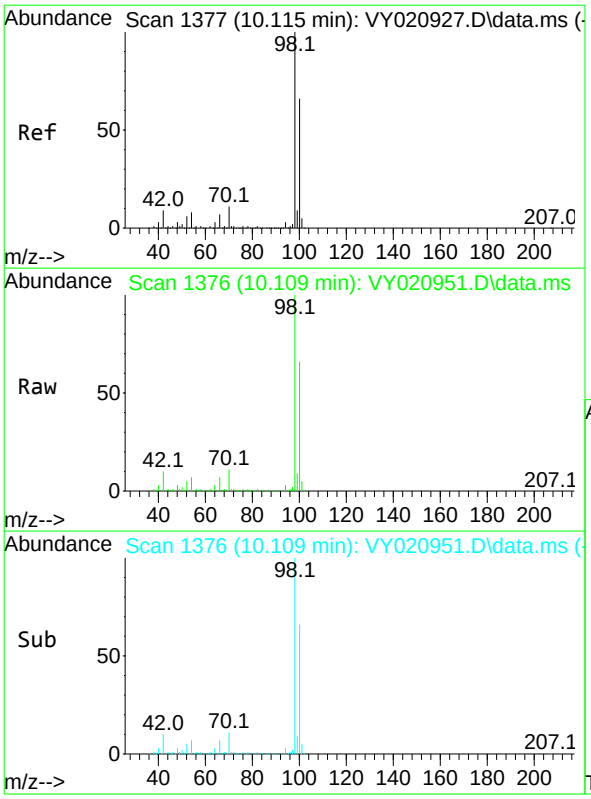


#35
Dibromofluoromethane
Concen: 47.575 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.006 min
Lab File: VY020951.D
Acq: 27 Jan 2025 16:24

Tgt Ion:113 Resp: 182113

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.3	123.5
192	21.4	17.4	26.2



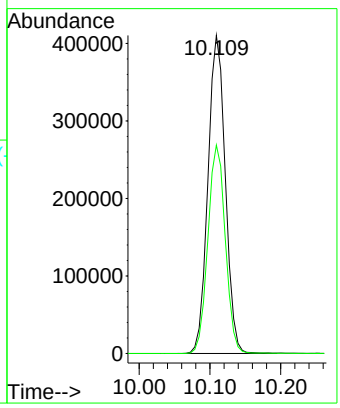


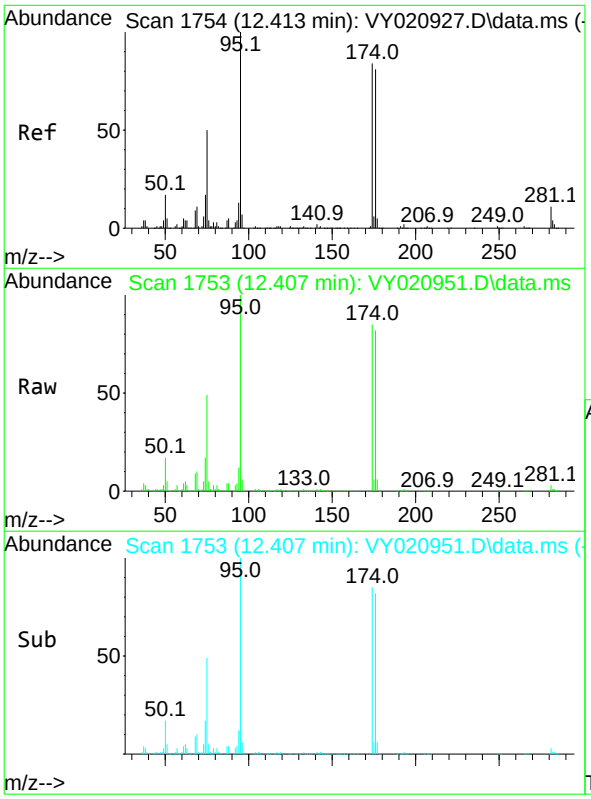
#50
Toluene-d8
Concen: 47.124 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020951.D
Acq: 27 Jan 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB01

Tgt Ion: 98 Resp: 699677

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.3	78.5

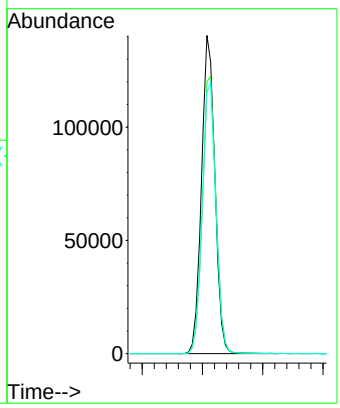


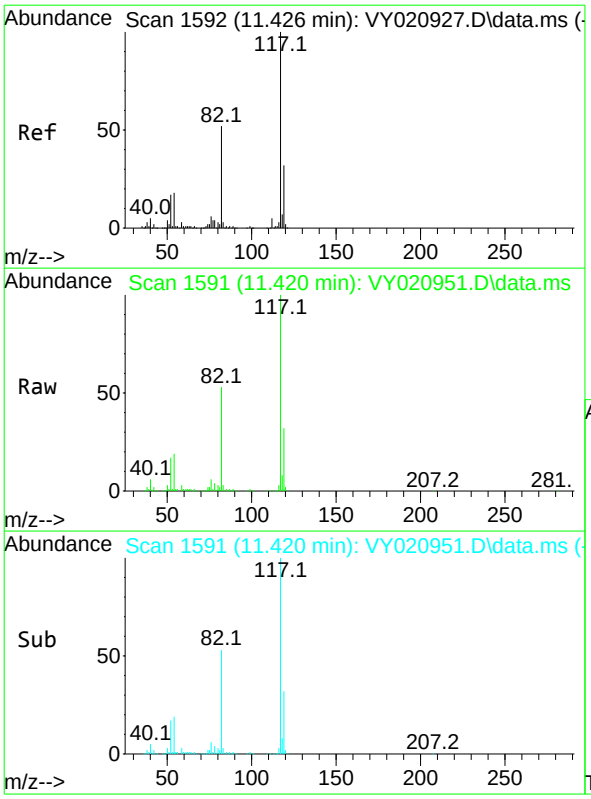


#62
4-Bromofluorobenzene
Concen: 43.725 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020951.D
Acq: 27 Jan 2025 16:24

Tgt Ion: 95 Resp: 216063

Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	177.4
176	86.4	0.0	172.2



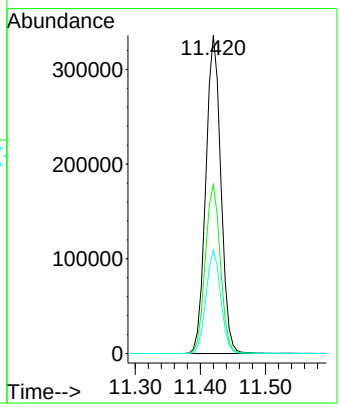


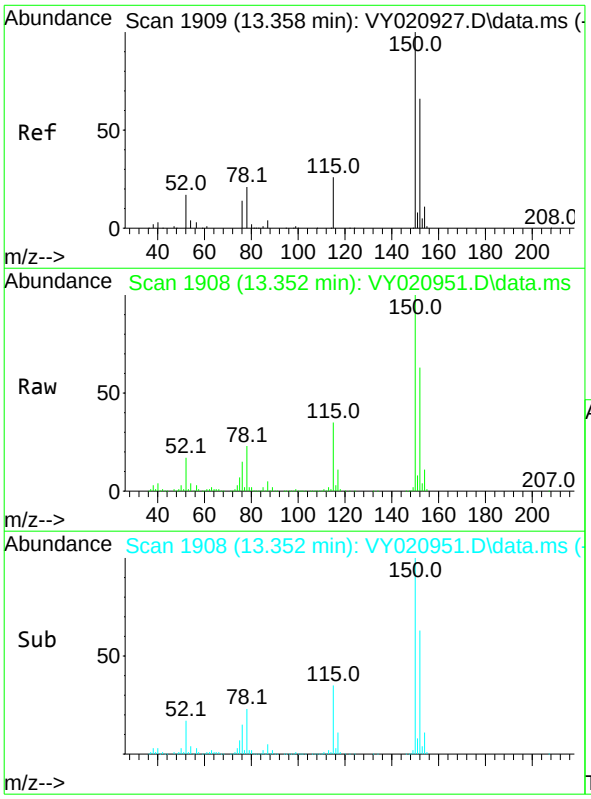
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020951.D
Acq: 27 Jan 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB01

Tgt Ion:117 Resp: 538661

Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.8	62.8
119	32.4	26.0	39.0

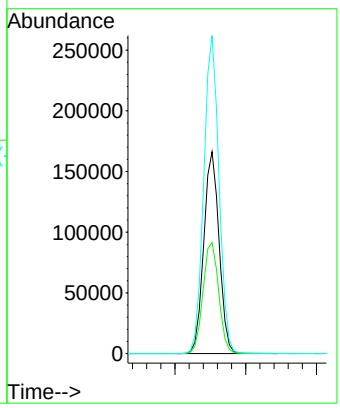




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VY020951.D
Acq: 27 Jan 2025 16:24

Tgt Ion:152 Resp: 250424

Ion	Ratio	Lower	Upper
152	100		
115	56.3	29.0	87.0
150	156.2	0.0	347.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020951.D
Acq On : 27 Jan 2025 16:24
Operator : SY/MD
Sample : Q1194-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Title : SW846 8260

Signal : TIC: VY020951.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.628	465	477	484	rBV2	9161	27008	1.50%	0.257%
2	7.640	960	971	976	rBV	247905	598760	33.26%	5.704%
3	7.713	976	983	1004	rVB	522604	1209577	67.20%	11.522%
4	8.067	1030	1041	1053	rBV	204857	461565	25.64%	4.397%
5	8.615	1122	1131	1146	rBV	760788	1482238	82.35%	14.120%
6	10.109	1368	1376	1392	rBV	1051028	1800029	100.00%	17.147%
7	11.420	1583	1591	1604	rBV	980340	1573956	87.44%	14.994%
8	12.407	1746	1753	1763	rBV2	702496	1158552	64.36%	11.036%
9	13.352	1899	1908	1920	rVB	942000	1431856	79.55%	13.640%
10	13.840	1985	1988	1991	rVV2	12353	18342	1.02%	0.175%
11	13.895	1991	1997	2004	rVB3	102994	171832	9.55%	1.637%
12	14.005	2009	2015	2021	rVB4	12478	20413	1.13%	0.194%
13	14.139	2031	2037	2042	rBV	14742	21875	1.22%	0.208%
14	14.218	2042	2050	2053	rBV	36017	58082	3.23%	0.553%
15	14.261	2053	2057	2061	rVV	65181	91701	5.09%	0.874%
16	14.303	2061	2064	2068	rVV	19015	27179	1.51%	0.259%
17	14.486	2091	2094	2099	rBV2	17313	29688	1.65%	0.283%
18	14.535	2099	2102	2107	rVB2	19144	26444	1.47%	0.252%
19	14.596	2107	2112	2119	rBV3	50689	106193	5.90%	1.012%
20	14.663	2119	2123	2128	rVB	15598	23762	1.32%	0.226%
21	14.870	2151	2157	2168	rBV2	27965	64138	3.56%	0.611%
22	14.968	2168	2173	2180	rBV2	15839	27256	1.51%	0.260%
23	15.151	2197	2203	2209	rVB	41931	67098	3.73%	0.639%

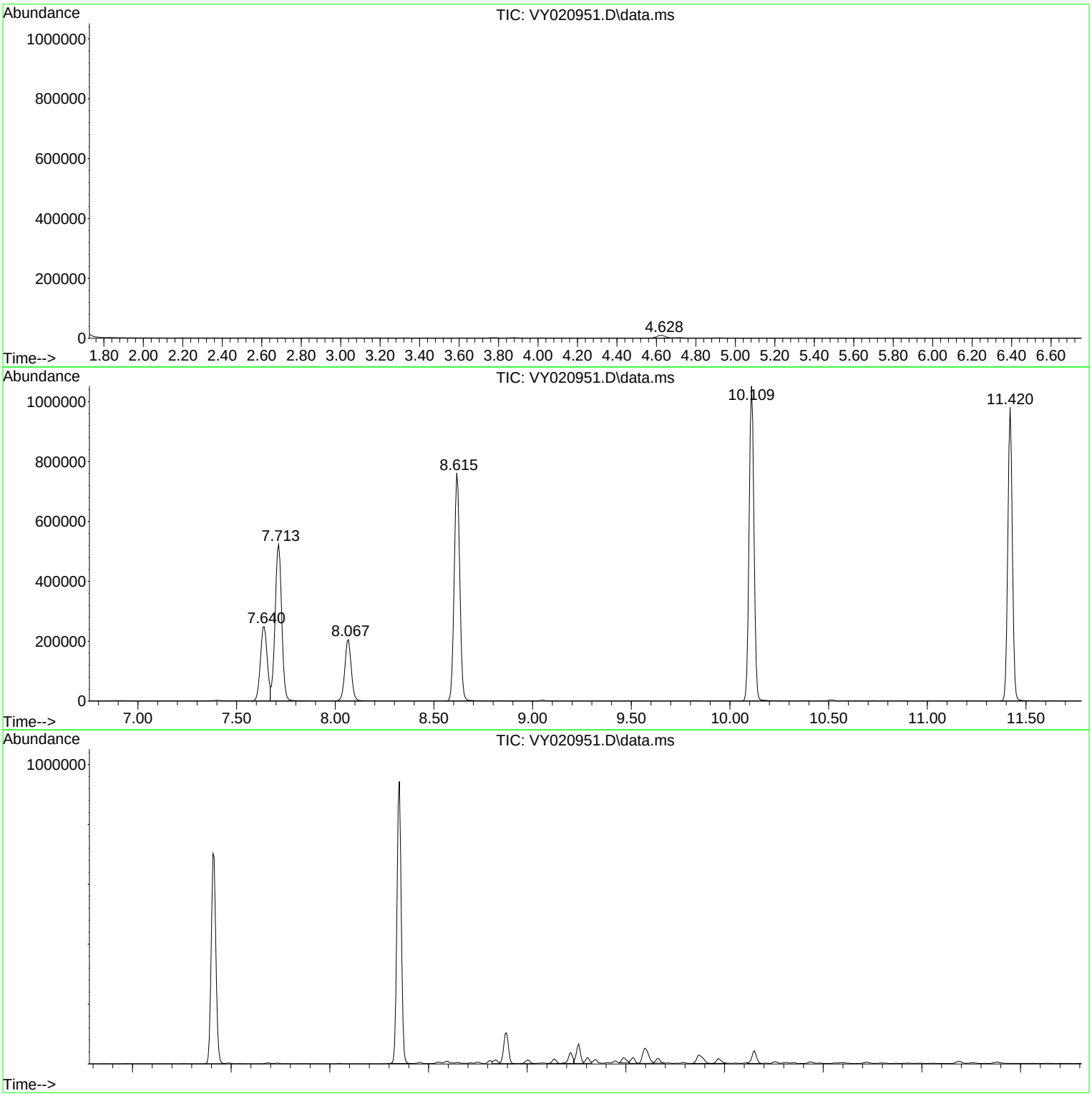
Sum of corrected areas: 10497544

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020951.D
Acq On : 27 Jan 2025 16:24
Operator : SY/MD
Sample : Q1194-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020951.D
Acq On : 27 Jan 2025 16:24
Operator : SY/MD
Sample : Q1194-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020951.D
Acq On : 27 Jan 2025 16:24
Operator : SY/MD
Sample : Q1194-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020949.D
Acq On : 27 Jan 2025 15:32
Operator : SY/MD
Sample : Q1194-04
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB02

Quant Time: Jan 28 01:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

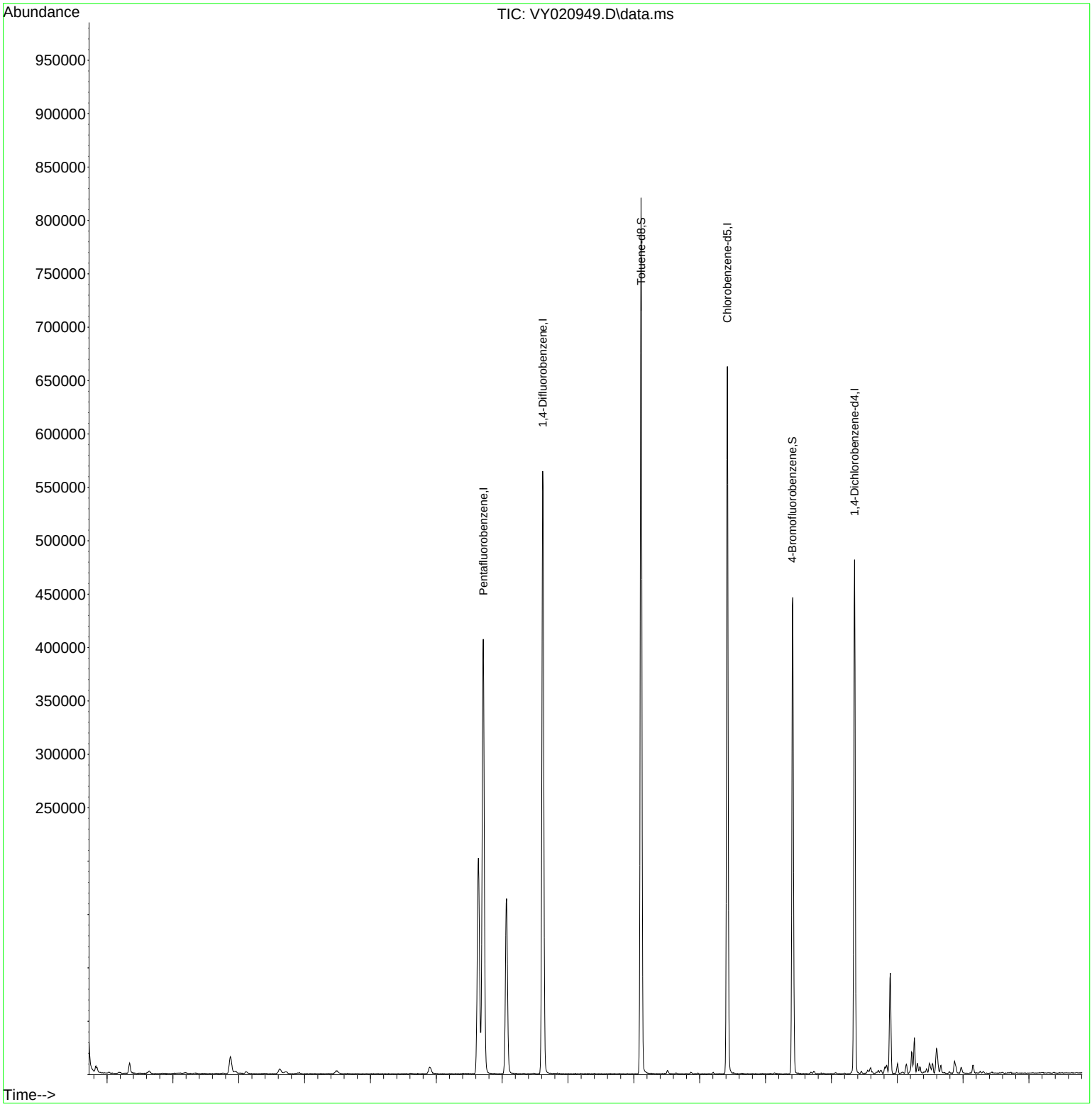
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	331503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	506966	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	369514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	129163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	132803	50.245	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.500%			
35) Dibromofluoromethane	7.640	113	147366	50.634	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.260%			
50) Toluene-d8	10.109	98	537405	47.605	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.200%			
62) 4-Bromofluorobenzene	12.408	95	137464	36.588	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 73.180%			
Target Compounds						Qvalue
16) Acetone	3.873	43	28315	79.068	ug/l	96
25) 2-Butanone	6.896	43	10509	17.324	ug/l	92

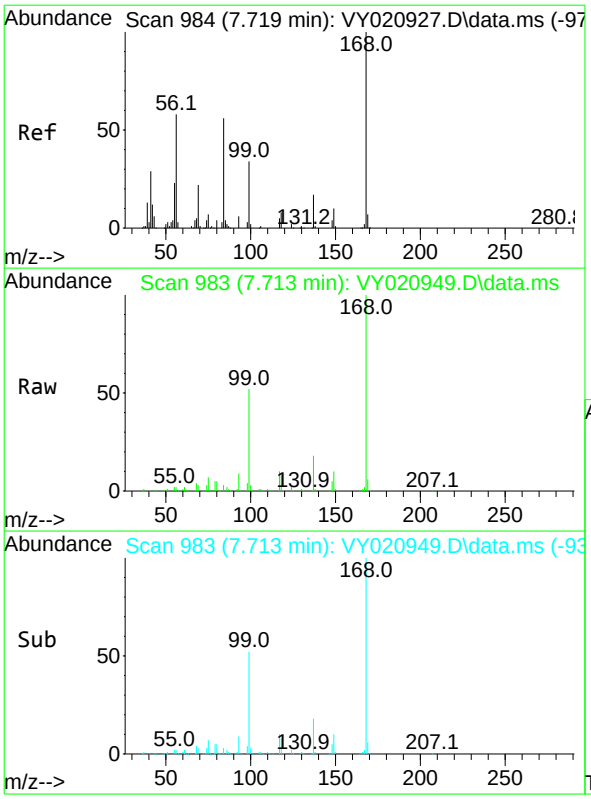
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020949.D
Acq On : 27 Jan 2025 15:32
Operator : SY/MD
Sample : Q1194-04
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB02

Quant Time: Jan 28 01:14:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration



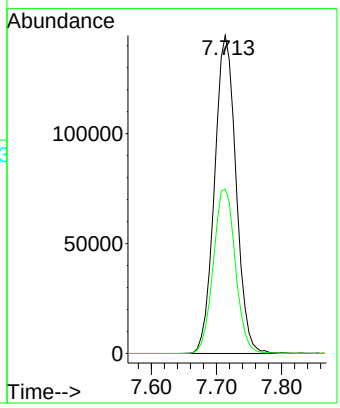


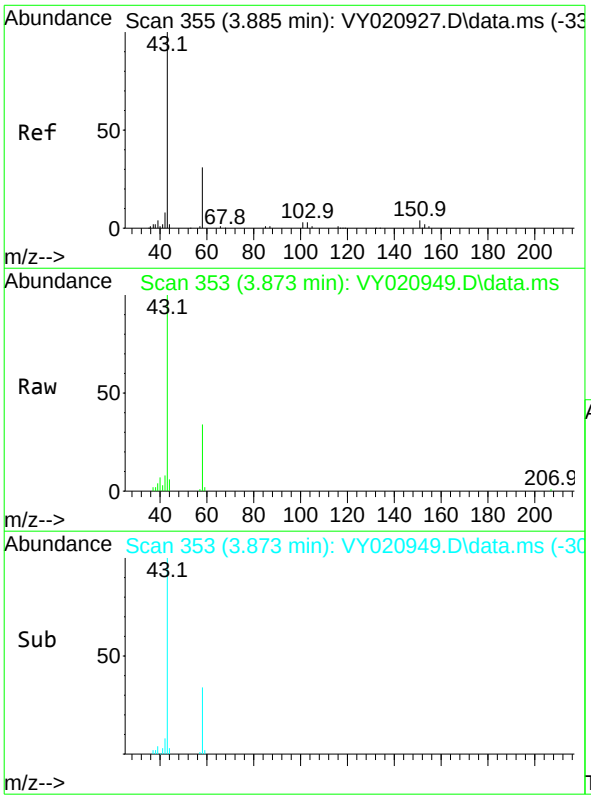
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB02

Tgt Ion:168 Resp: 331503

Ion	Ratio	Lower	Upper
168	100		
99	51.7	43.0	64.6

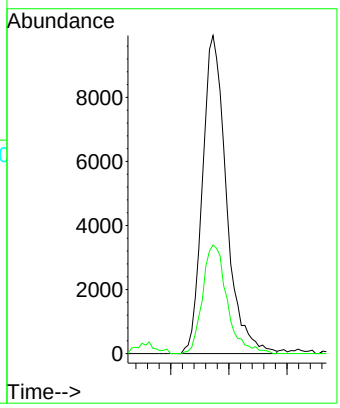


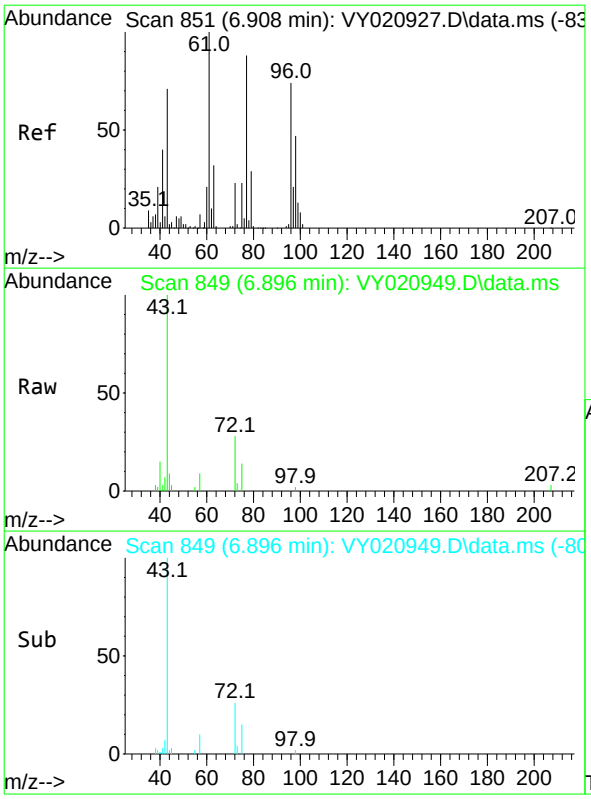


#16
Acetone
Concen: 79.068 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.012 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Tgt Ion: 43 Resp: 28315

Ion	Ratio	Lower	Upper
43	100		
58	34.1	25.6	38.4



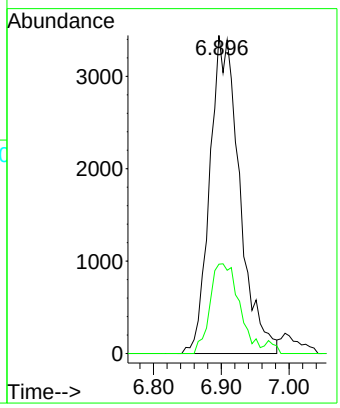


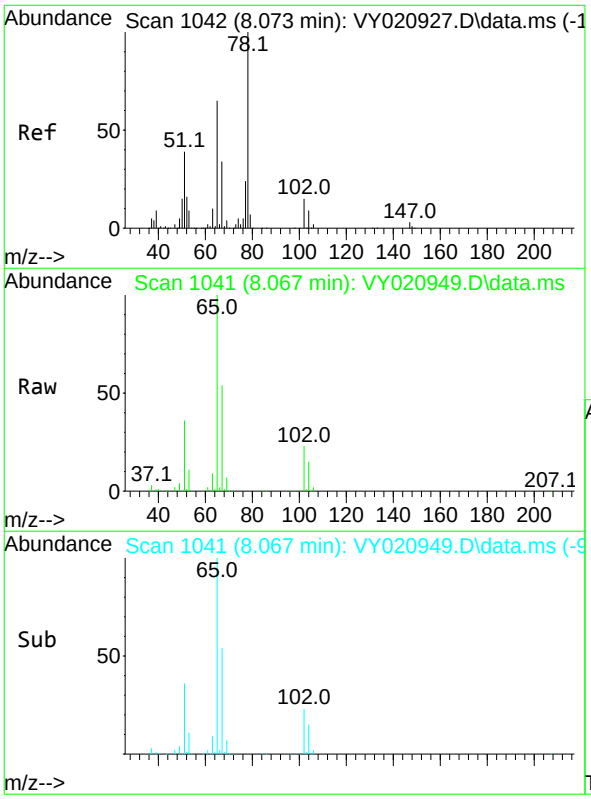
#25
2-Butanone
Concen: 17.324 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB02

Tgt Ion: 43 Resp: 10509

Ion	Ratio	Lower	Upper
43	100		
72	28.1	25.8	38.8

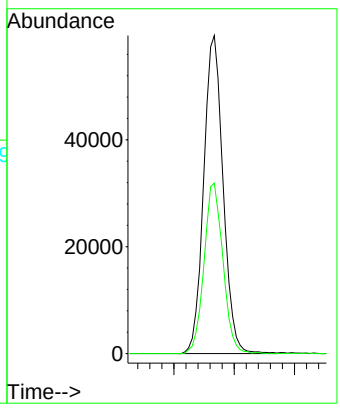




#33
1,2-Dichloroethane-d4
Concen: 50.245 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

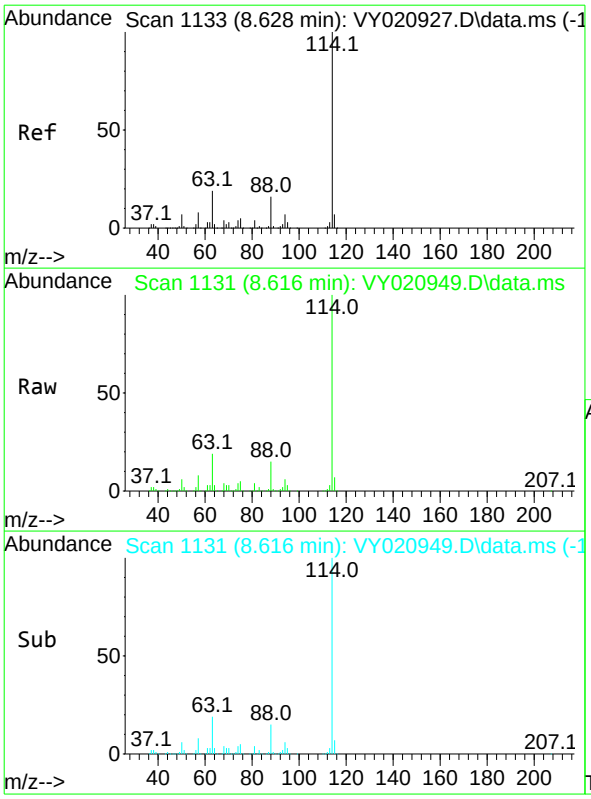
Tgt Ion: 65 Resp: 132803

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.8



5

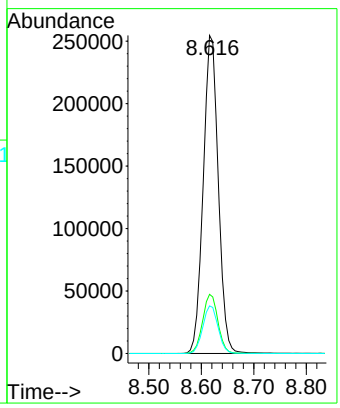
Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB02

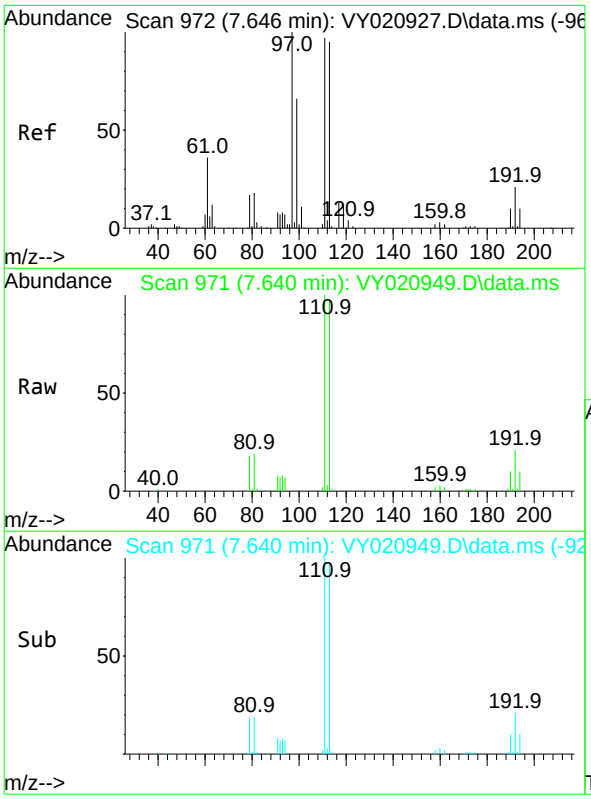


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Tgt Ion:114 Resp: 506966

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.4
88	15.0	0.0	31.6

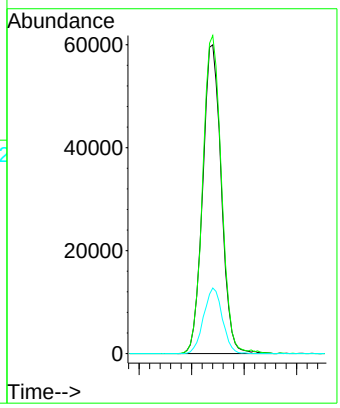




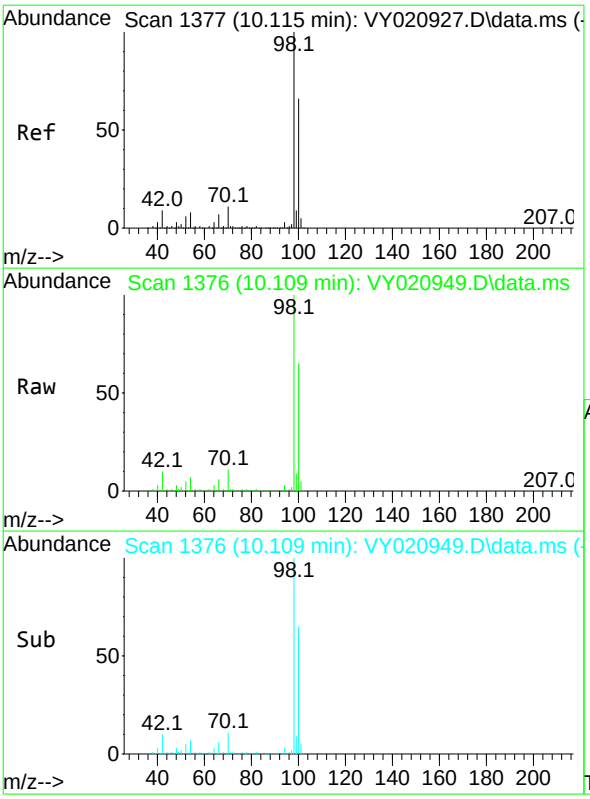
#35
Dibromofluoromethane
Concen: 50.634 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.006 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Tgt Ion:113 Resp: 147366

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.3	123.5
192	21.4	17.4	26.2



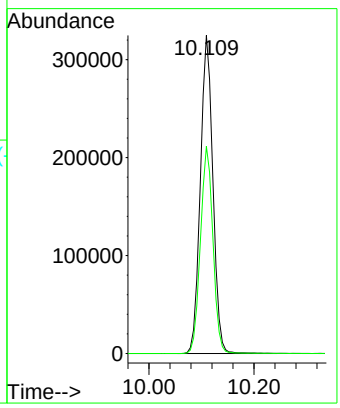
Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB02

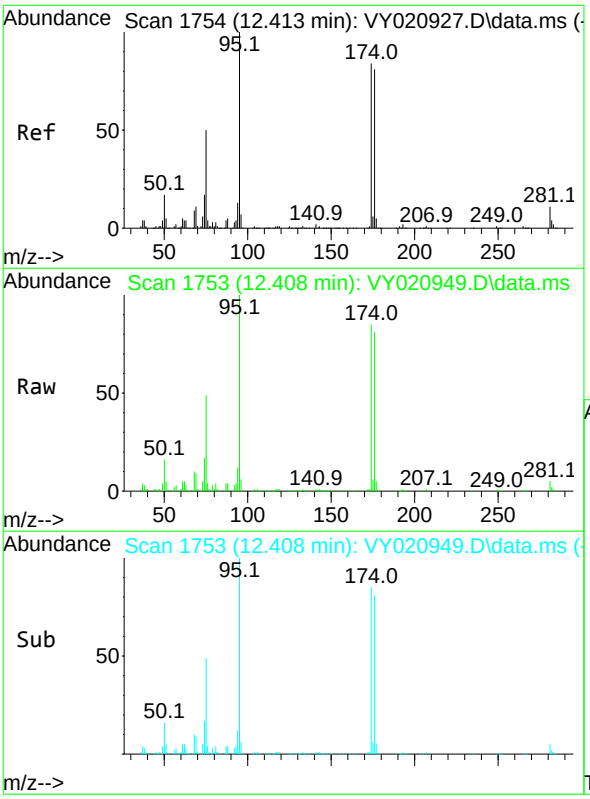


#50
Toluene-d8
Concen: 47.605 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Tgt Ion: 98 Resp: 537405

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.3	78.5

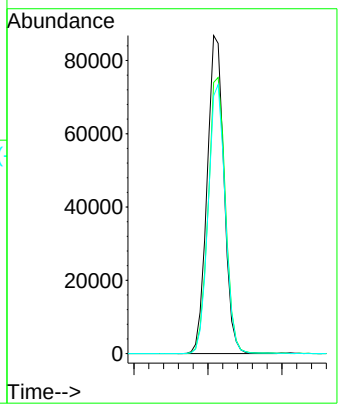




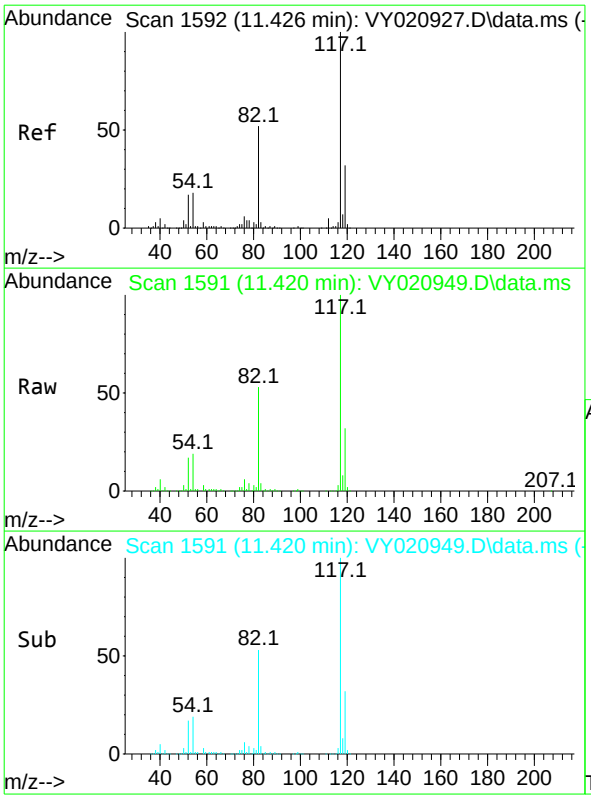
#62
4-Bromofluorobenzene
Concen: 36.588 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Tgt Ion: 95 Resp: 137464

Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	177.4
176	85.1	0.0	172.2



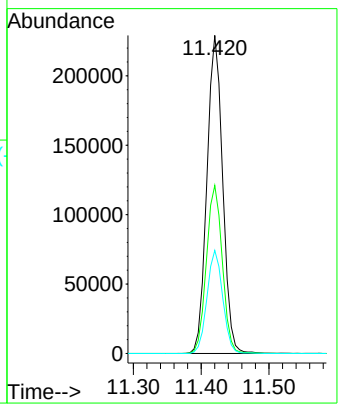
Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB02

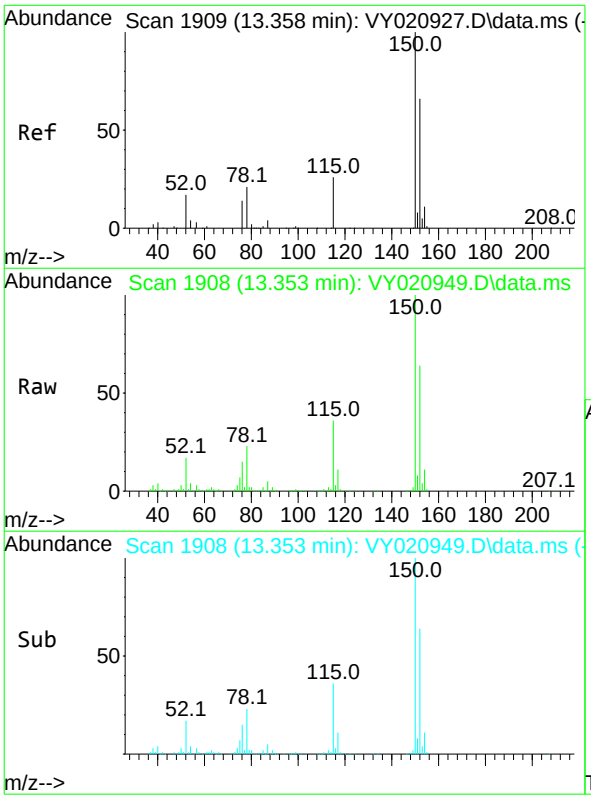


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Tgt Ion:117 Resp: 369514

Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.8	62.8
119	32.4	26.0	39.0

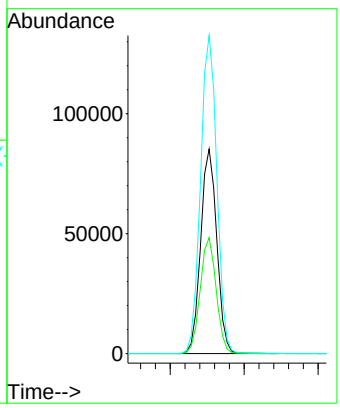




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VY020949.D
Acq: 27 Jan 2025 15:32

Tgt Ion:152 Resp: 129163

Ion	Ratio	Lower	Upper
152	100		
115	56.2	29.0	87.0
150	157.5	0.0	347.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020949.D
Acq On : 27 Jan 2025 15:32
Operator : SY/MD
Sample : Q1194-04
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB02

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Title : SW846 8260

Signal : TIC: VY020949.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.342	96	102	108	rBV	9716	17668	1.29%	0.242%
2	3.873	344	353	361	rBV	15900	43224	3.15%	0.592%
3	4.622	467	476	485	rBV5	4616	14773	1.08%	0.202%
4	6.896	842	849	857	rBV3	5963	16914	1.23%	0.232%
5	7.640	961	971	976	rBV	202021	484578	35.33%	6.637%
6	7.713	976	983	1000	rVB	406794	939430	68.49%	12.866%
7	8.067	1032	1041	1054	rBV	163963	368438	26.86%	5.046%
8	8.616	1122	1131	1148	rBV	564419	1127349	82.19%	15.440%
9	10.109	1369	1376	1394	rBV	820185	1371577	100.00%	18.785%
10	11.420	1583	1591	1603	rBV	662312	1078790	78.65%	14.775%
11	12.414	1746	1754	1764	rBV2	446138	754228	54.99%	10.330%
12	13.353	1894	1908	1922	rBV	481450	746675	54.44%	10.226%
13	13.895	1991	1997	2004	rVB2	94397	154362	11.25%	2.114%
14	14.218	2041	2050	2053	rBV	20034	32285	2.35%	0.442%
15	14.261	2053	2057	2061	rVV	33140	47542	3.47%	0.651%
16	14.310	2061	2065	2068	rVV2	8994	14054	1.02%	0.192%
17	14.487	2090	2094	2099	rBV3	8520	15253	1.11%	0.209%
18	14.596	2107	2112	2120	rBV3	23104	50556	3.69%	0.692%
19	14.871	2152	2157	2164	rBV2	11244	23694	1.73%	0.325%

Sum of corrected areas: 7301390

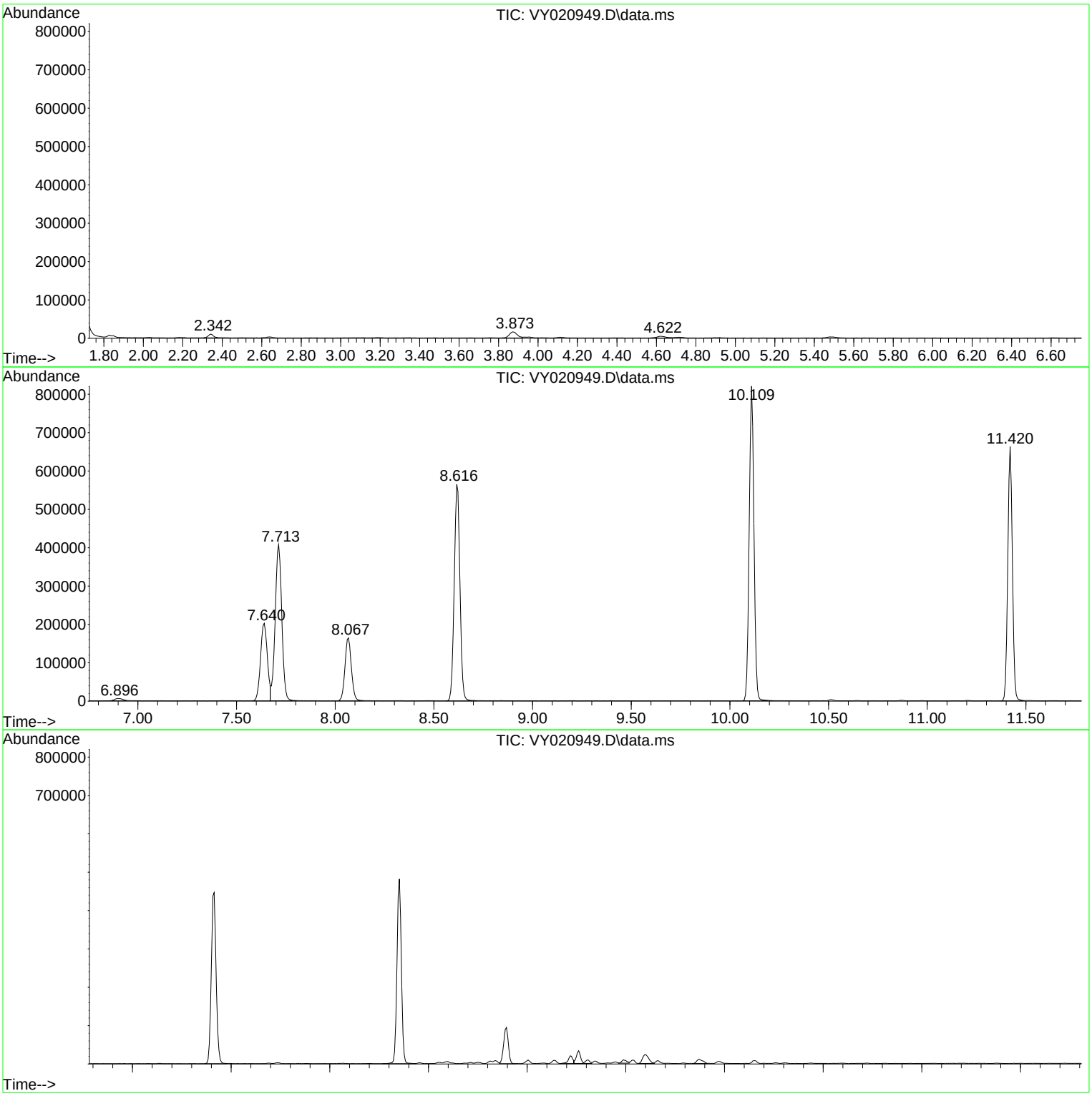
Sample Results: **VY020949.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020949.D
Acq On : 27 Jan 2025 15:32
Operator : SY/MD
Sample : Q1194-04
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020949.D
Acq On : 27 Jan 2025 15:32
Operator : SY/MD
Sample : Q1194-04
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020949.D
Acq On : 27 Jan 2025 15:32
Operator : SY/MD
Sample : Q1194-04
Misc : 5.90g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-113-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085533.D
Acq On : 28 Jan 2025 13:00
Operator : JC\MD
Sample : Q1194-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB

Quant Time: Jan 29 01:33:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

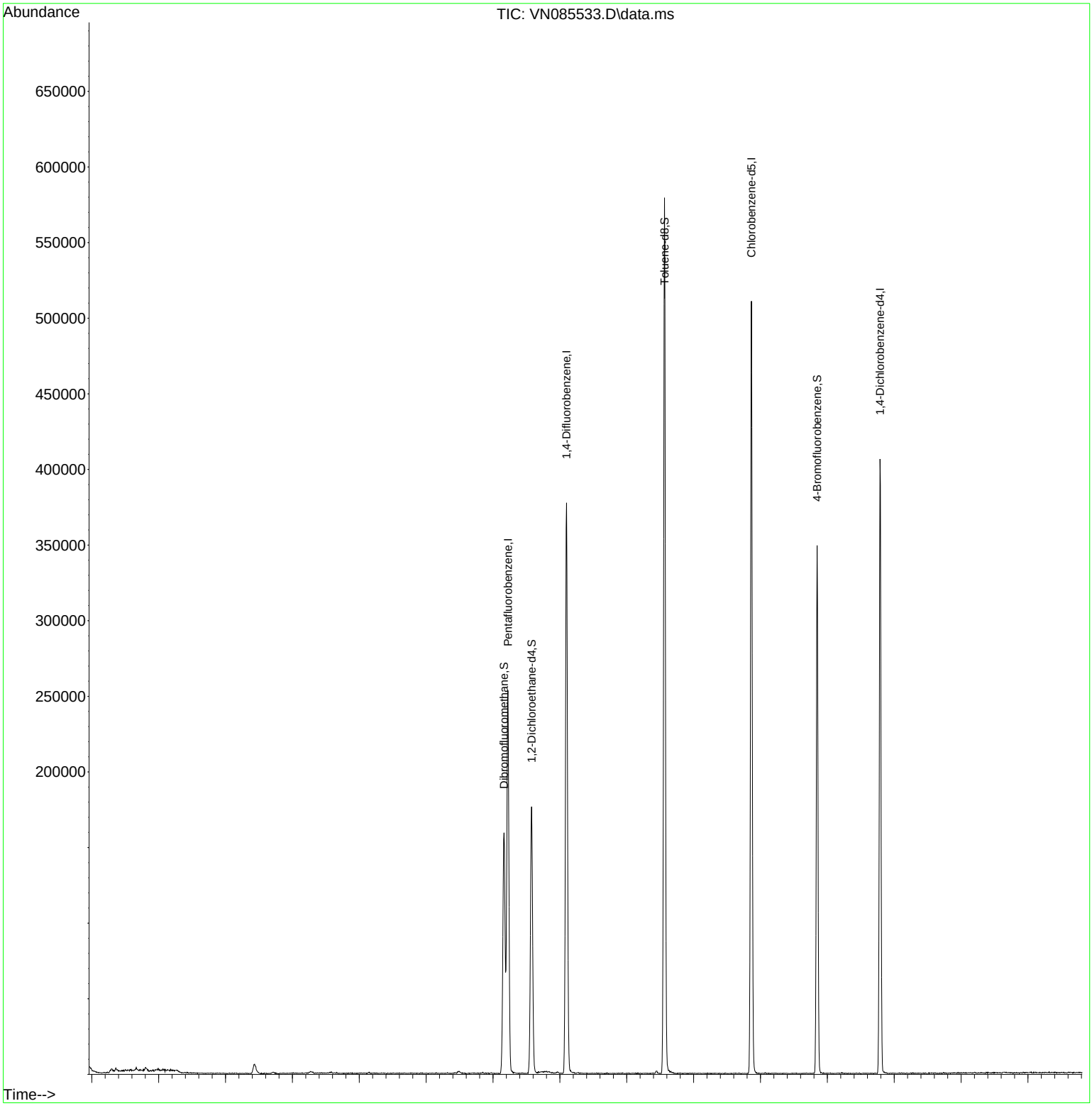
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	169030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	313197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149462	54.778	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.560%			
35) Dibromofluoromethane	8.165	113	112628	51.835	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.660%			
50) Toluene-d8	10.565	98	381699	49.443	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.880%			
62) 4-Bromofluorobenzene	12.847	95	114691	43.430	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.860%			
Target Compounds						Qvalue
16) Acetone	4.430	43	12983	14.727	ug/l	96

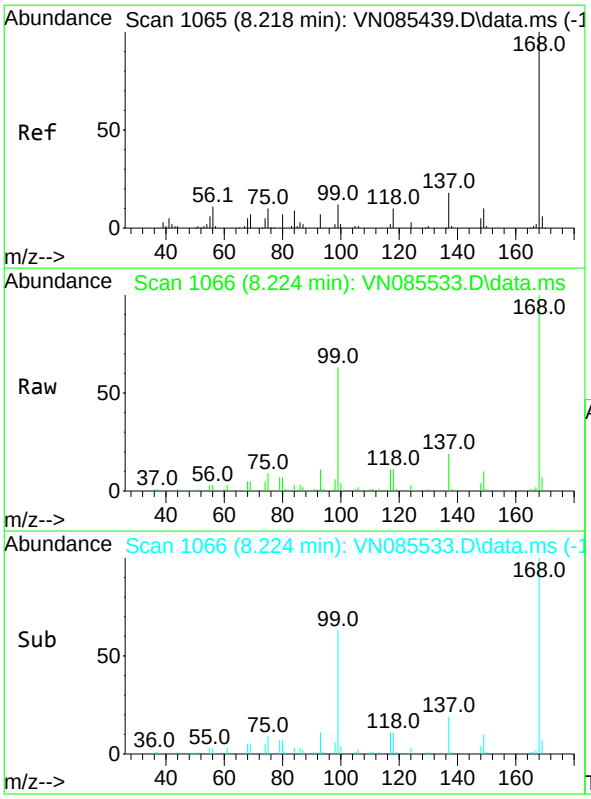
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085533.D
Acq On : 28 Jan 2025 13:00
Operator : JC\MD
Sample : Q1194-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB

Quant Time: Jan 29 01:33:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



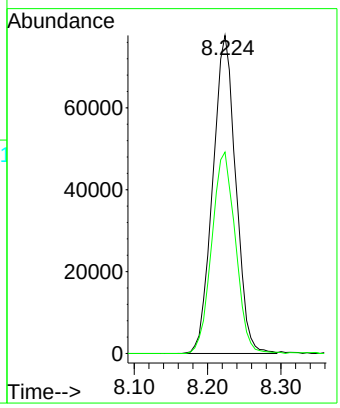


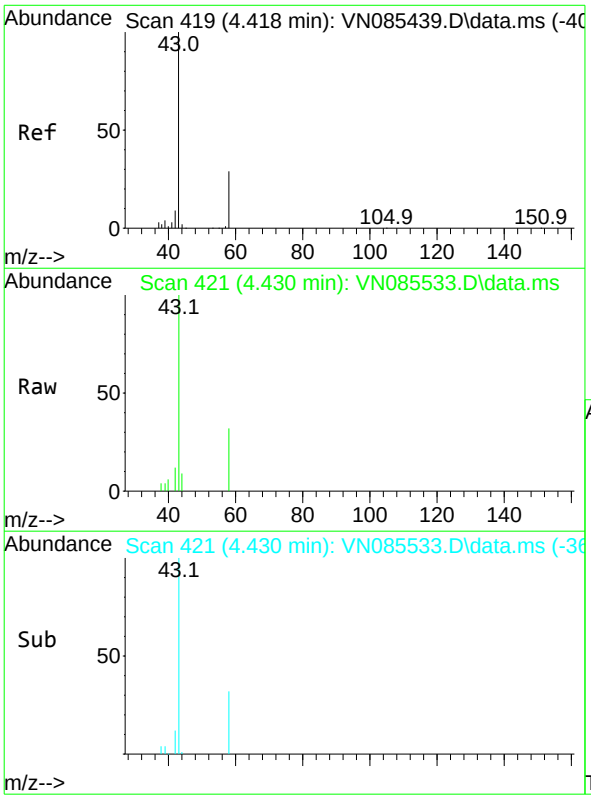
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085533.D
Acq: 28 Jan 2025 13:00

Instrument :
MSVOA_N
ClientSampleId :
FB

Tgt Ion:168 Resp: 169030

Ion	Ratio	Lower	Upper
168	100		
99	63.3	53.6	80.4

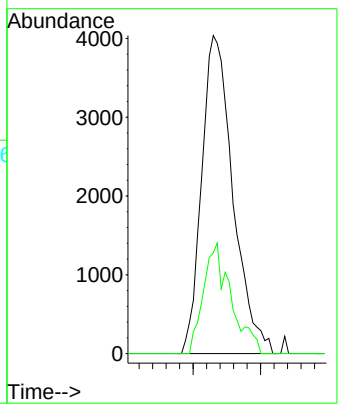


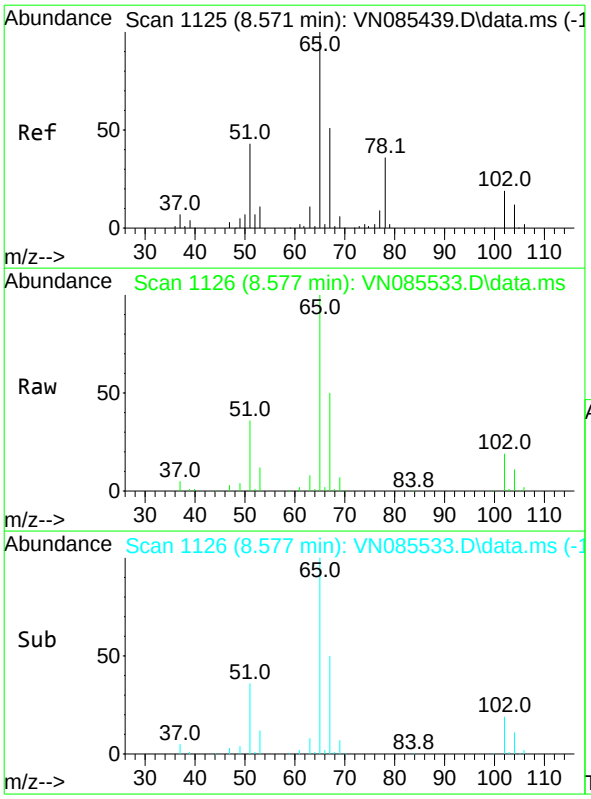


#16
Acetone
Concen: 14.727 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085533.D
Acq: 28 Jan 2025 13:00

Tgt Ion: 43 Resp: 12983

Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.8	35.6



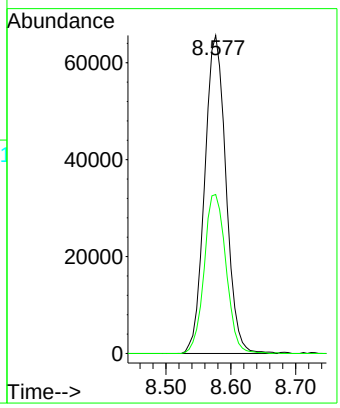


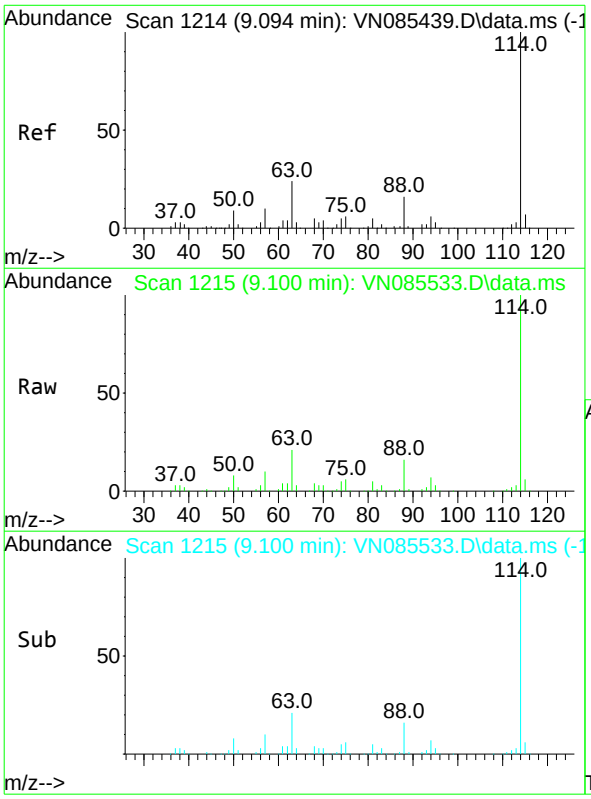
#33
1,2-Dichloroethane-d4
Concen: 54.778 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085533.D
Acq: 28 Jan 2025 13:00

Instrument :
MSVOA_N
ClientSampleId :
FB

Tgt Ion: 65 Resp: 149462

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.6

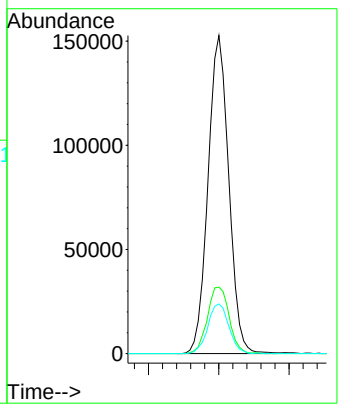




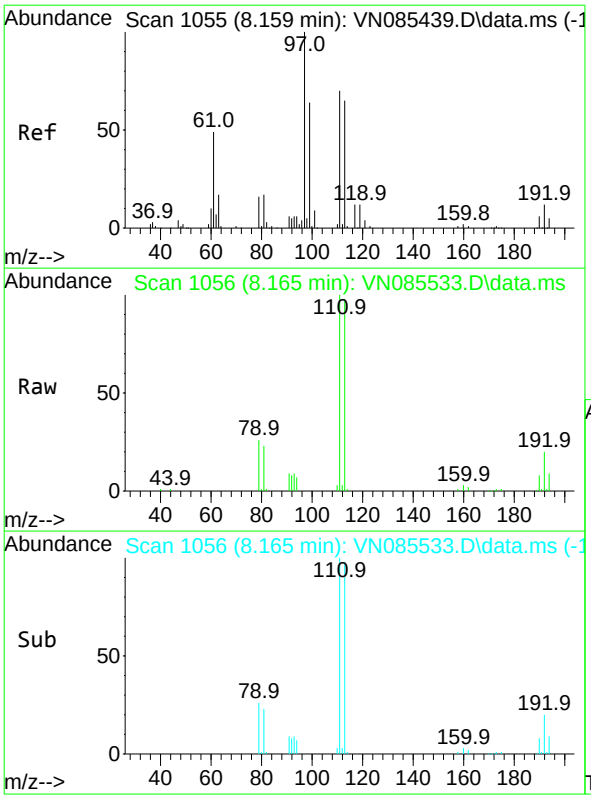
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085533.D
Acq: 28 Jan 2025 13:00

Tgt Ion:114 Resp: 313197

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	47.6
88	15.6	0.0	32.6



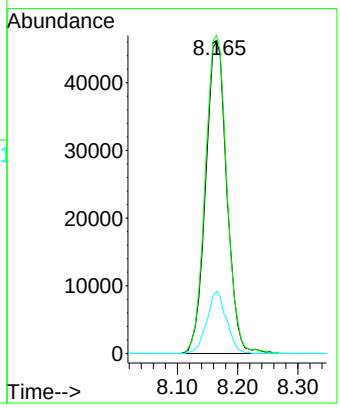
Instrument :
MSVOA_N
ClientSampleId :
FB

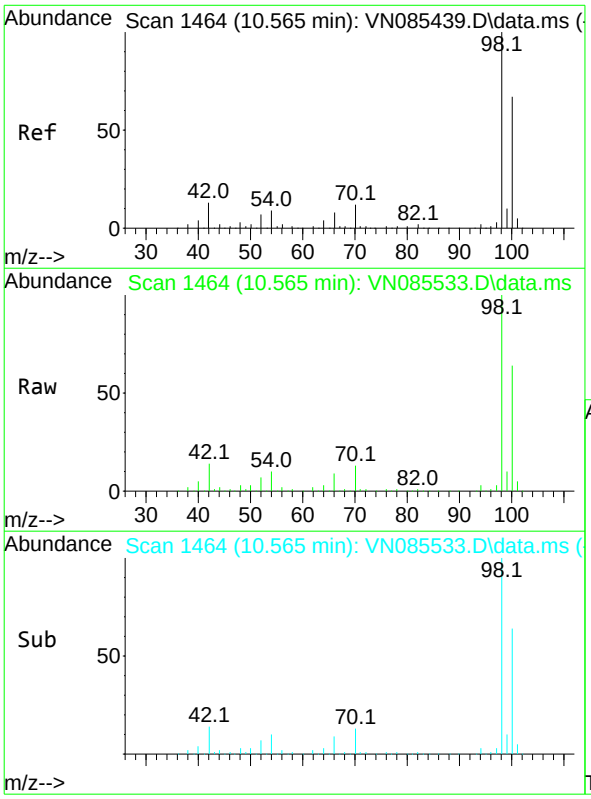


#35
Dibromofluoromethane
Concen: 51.835 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085533.D
Acq: 28 Jan 2025 13:00

Tgt Ion:113 Resp: 112628

Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.7	124.1
192	18.5	14.3	21.5

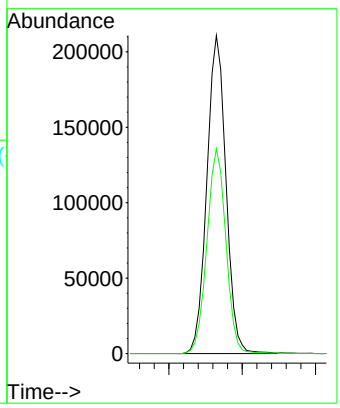


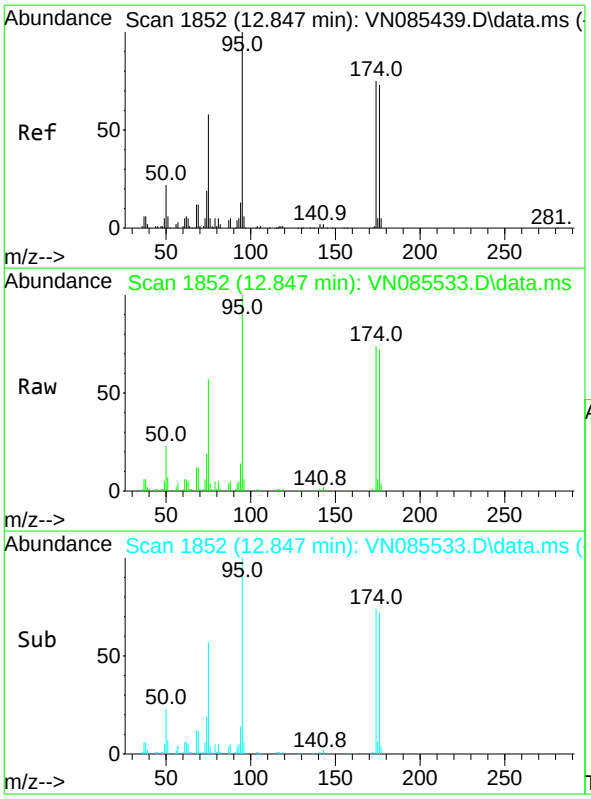


#50
Toluene-d8
Concen: 49.443 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085533.D
Acq: 28 Jan 2025 13:00

Tgt Ion: 98 Resp: 381699

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.4



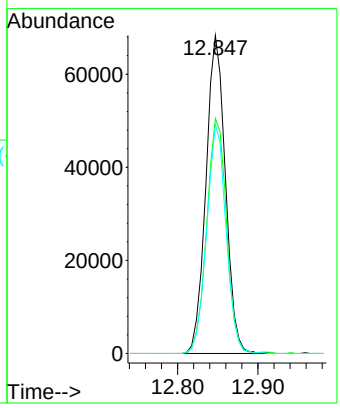


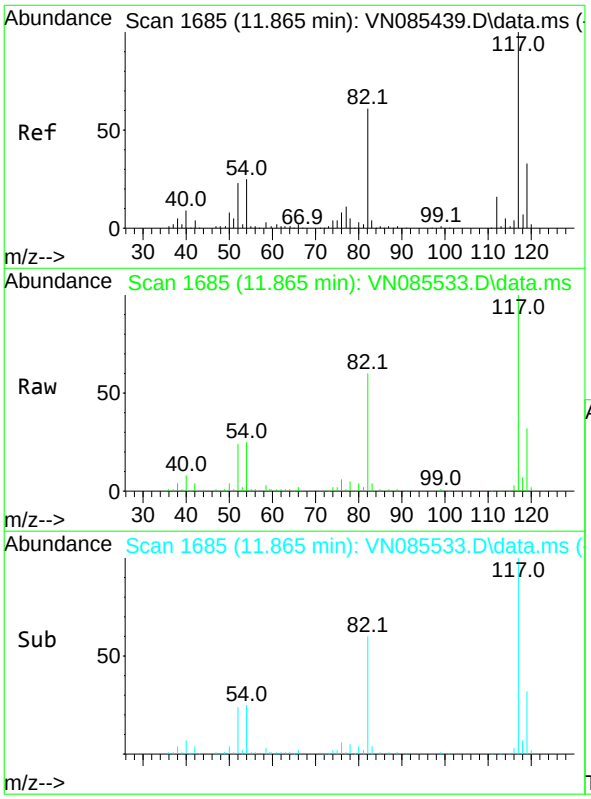
#62
4-Bromofluorobenzene
Concen: 43.430 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085533.D
Acq: 28 Jan 2025 13:00

Instrument :
MSVOA_N
ClientSampleId :
FB

Tgt Ion: 95 Resp: 114691

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	145.0
176	71.8	0.0	142.4

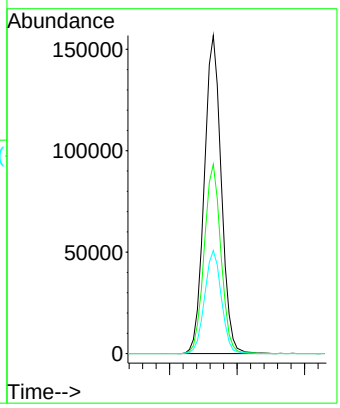


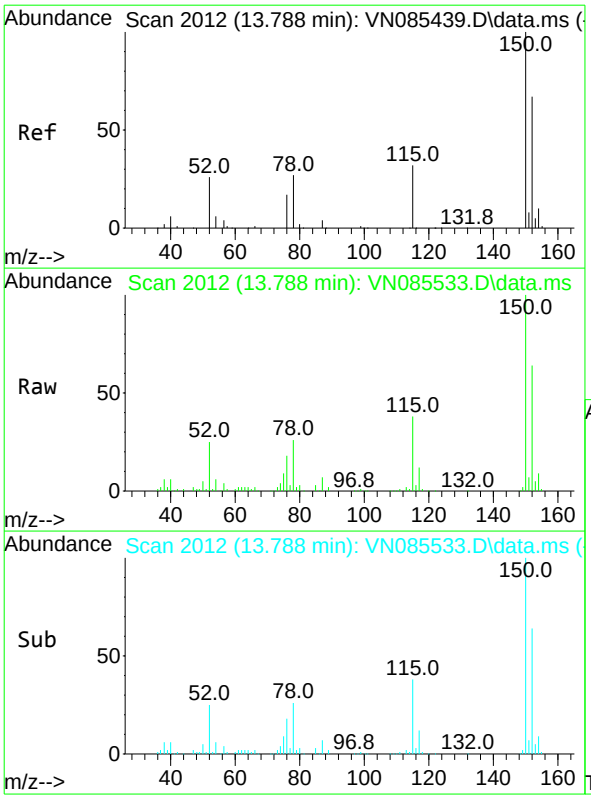


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085533.D
Acq: 28 Jan 2025 13:00

Tgt Ion:117 Resp: 274340

Ion	Ratio	Lower	Upper
117	100		
82	59.5	48.6	72.8
119	32.4	26.6	39.8



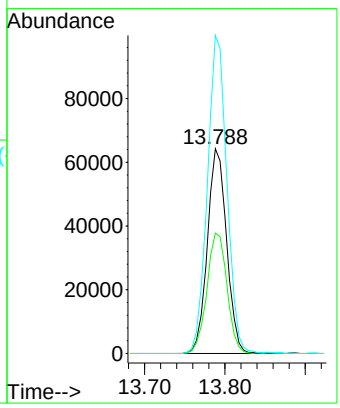


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085533.D
Acq: 28 Jan 2025 13:00

Instrument :
MSVOA_N
ClientSampleId :
FB

Tgt Ion:152 Resp: 106996

Ion	Ratio	Lower	Upper
152	100		
115	61.2	31.1	93.3
150	156.8	0.0	343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085533.D
Acq On : 28 Jan 2025 13:00
Operator : JC\MD
Sample : Q1194-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

Signal : TIC: VN085533.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.436	412	422	424	rBV2	6200	14329	1.37%	0.268%
2	8.165	1046	1056	1060	rBV	159227	371860	35.54%	6.963%
3	8.224	1060	1066	1080	rVB	253093	567325	54.23%	10.623%
4	8.577	1117	1126	1139	rBV	176364	400693	38.30%	7.503%
5	9.100	1206	1215	1224	rBV	377138	773356	73.92%	14.480%
6	10.565	1455	1464	1474	rBV	579115	1046181	100.00%	19.589%
7	11.865	1677	1685	1697	rBV	510624	891815	85.24%	16.698%
8	12.847	1844	1852	1861	rBV	349125	587273	56.13%	10.996%
9	13.788	2005	2012	2020	rBV	406352	687925	65.76%	12.881%

Sum of corrected areas: 5340757

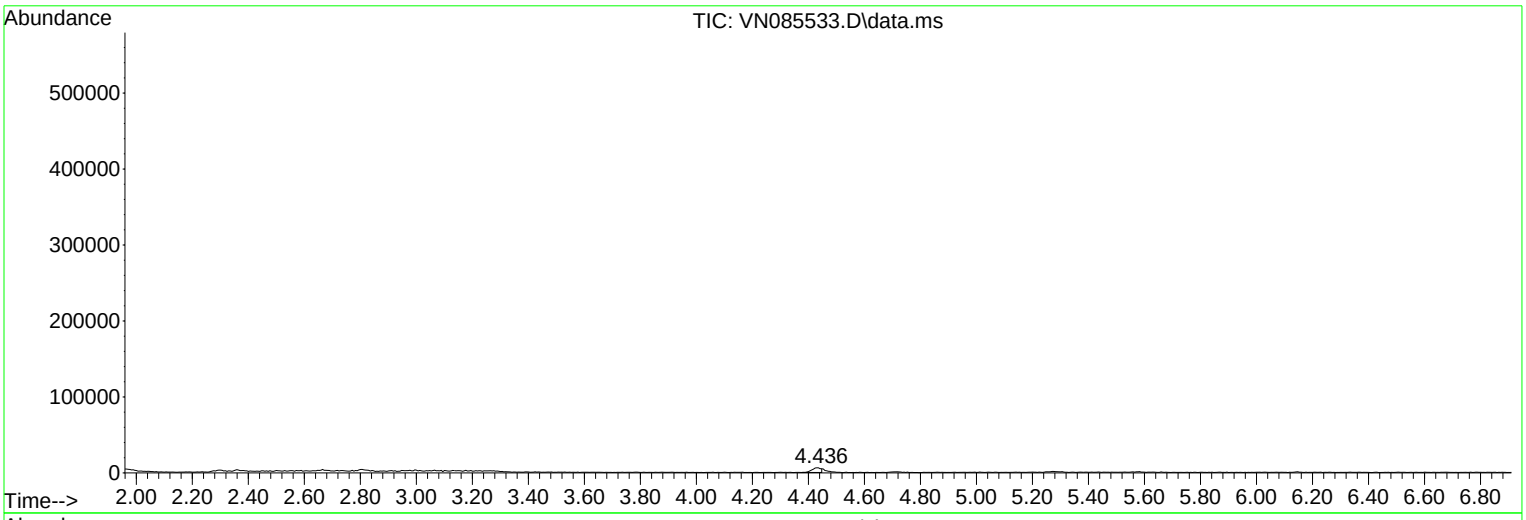
Sample Results: **VN085533.D**

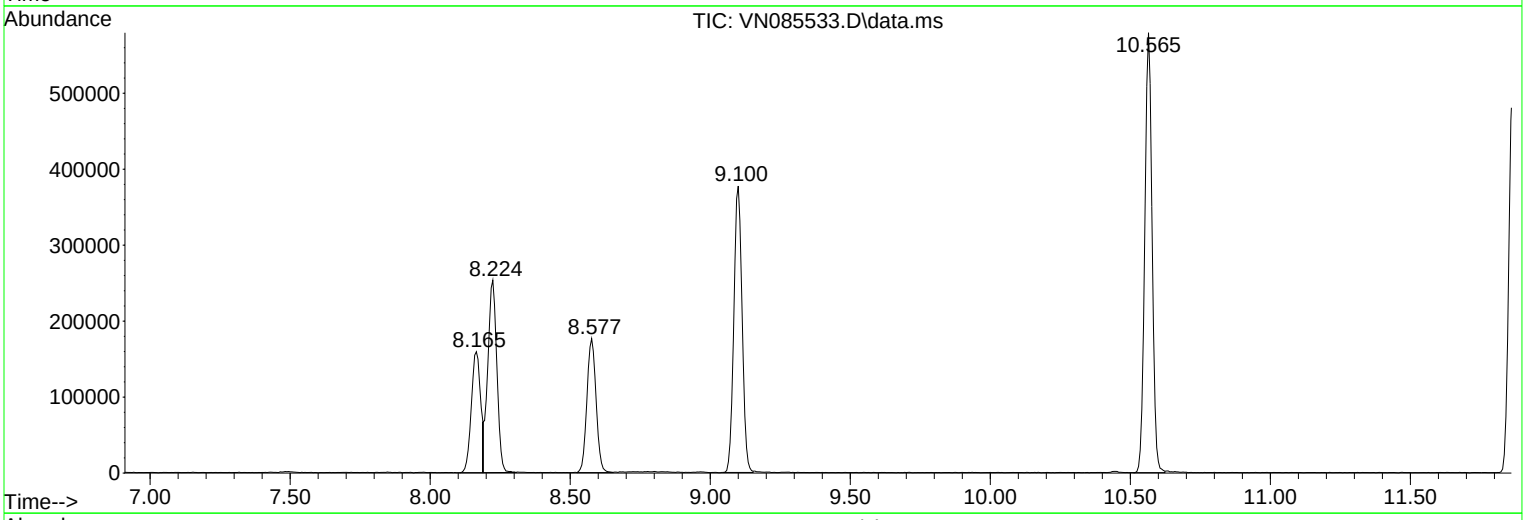
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085533.D
Acq On : 28 Jan 2025 13:00
Operator : JC\MD
Sample : Q1194-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

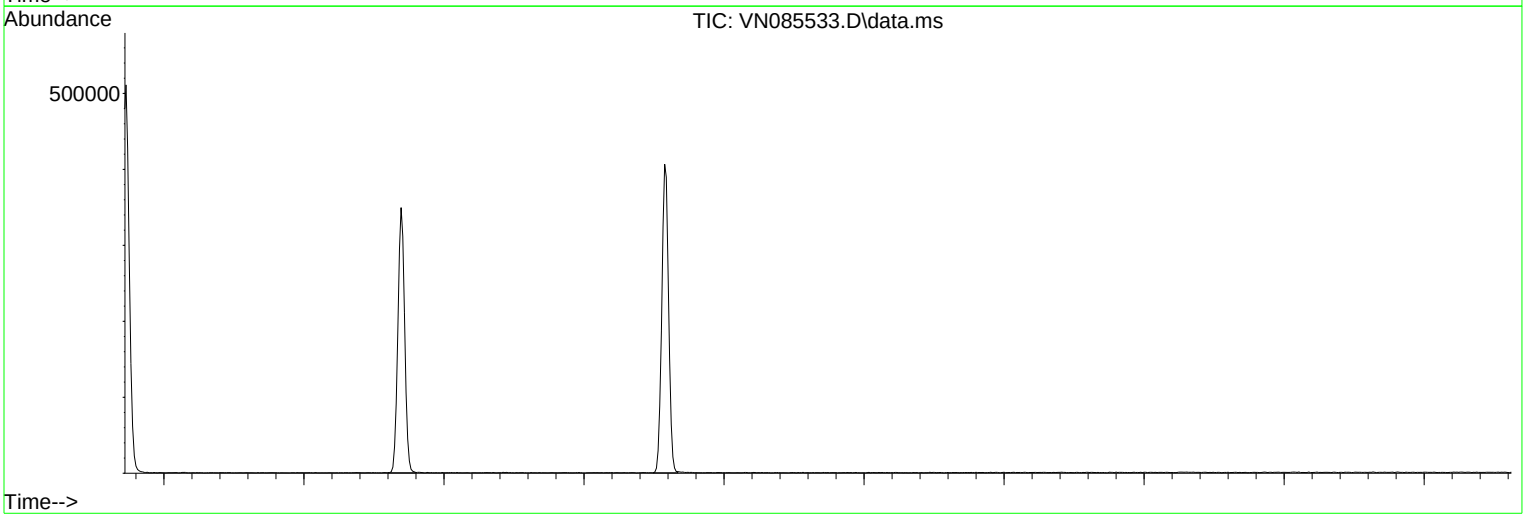
Instrument :
MSVOA_N
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085533.D
Acq On : 28 Jan 2025 13:00
Operator : JC\MD
Sample : Q1194-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085533.D
Acq On : 28 Jan 2025 13:00
Operator : JC\MD
Sample : Q1194-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085523.D
Acq On : 27 Jan 2025 17:58
Operator : JC\MD
Sample : Q1194-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB

Quant Time: Jan 28 02:03:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

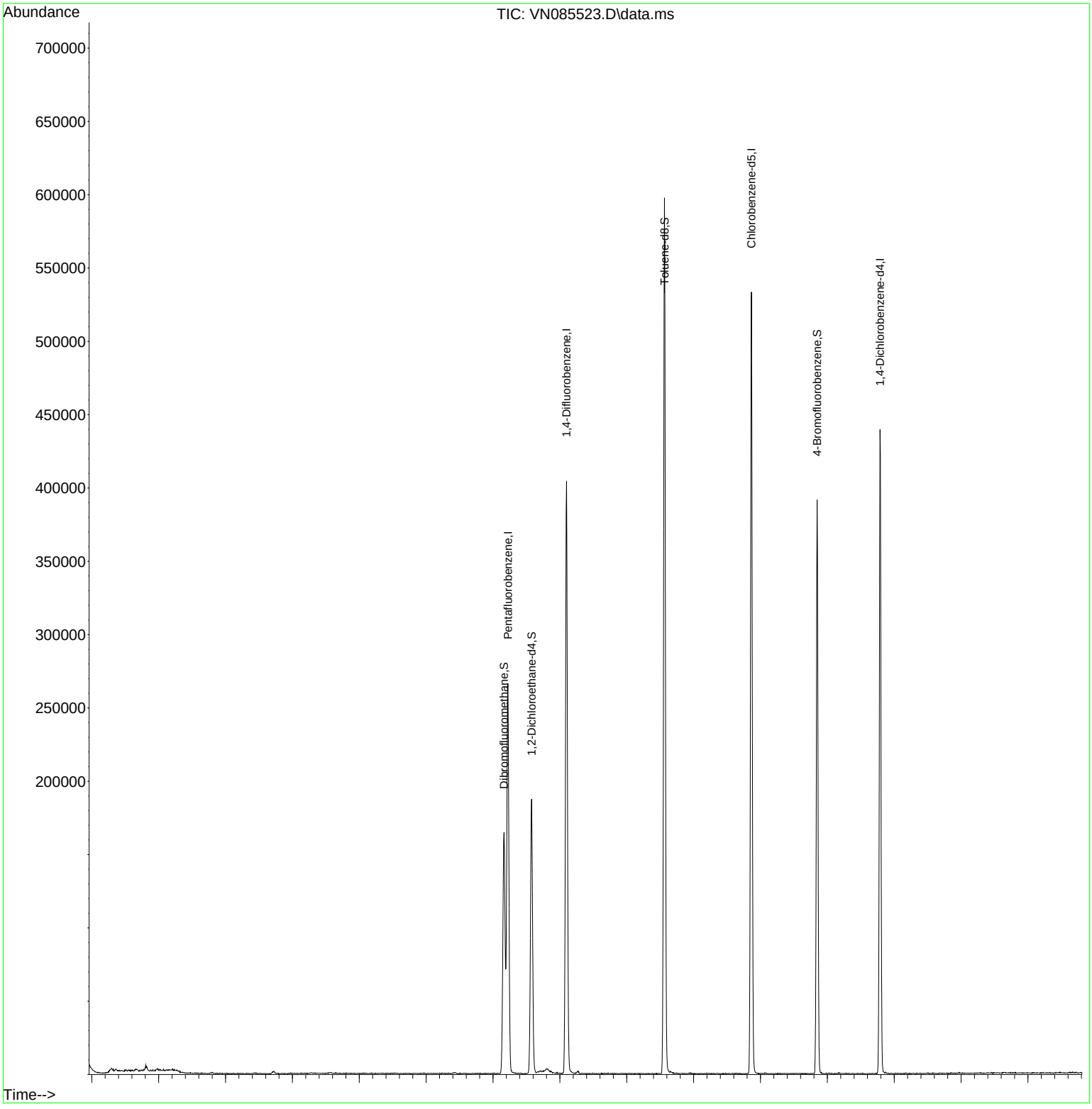
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	180339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	326143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154833	53.188	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.380%			
35) Dibromofluoromethane	8.165	113	116109	51.316	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.640%			
50) Toluene-d8	10.565	98	396116	49.274	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.540%			
62) 4-Bromofluorobenzene	12.847	95	129268	47.007	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.020%			
Target Compounds						Qvalue

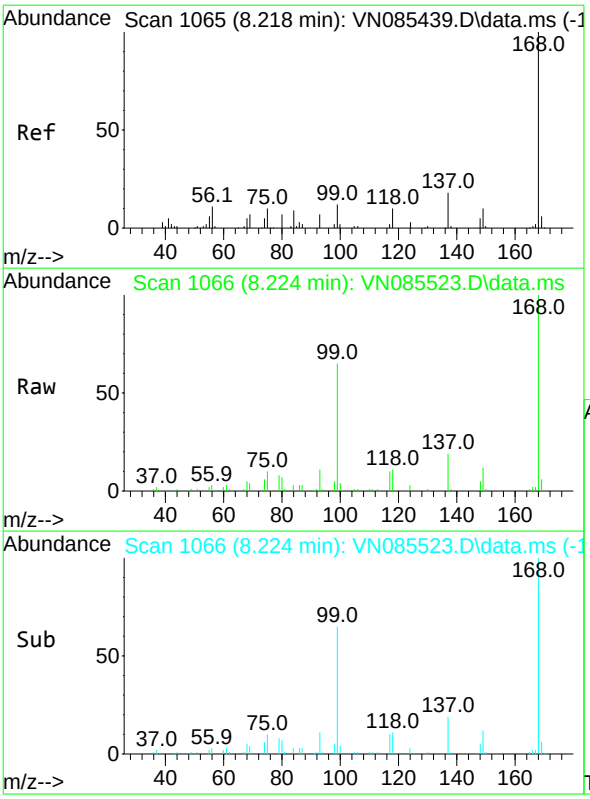
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085523.D
Acq On : 27 Jan 2025 17:58
Operator : JC\MD
Sample : Q1194-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB

Quant Time: Jan 28 02:03:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



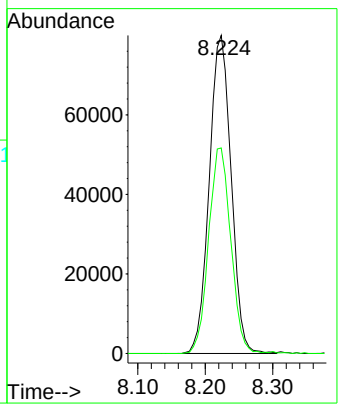


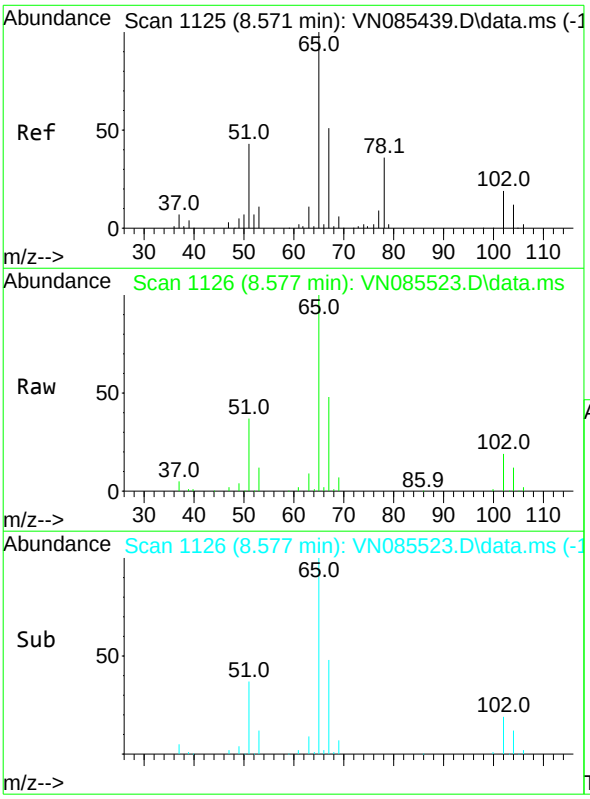
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085523.D
Acq: 27 Jan 2025 17:58

Instrument :
MSVOA_N
ClientSampleId :
TB

Tgt Ion:168 Resp: 180339

Ion	Ratio	Lower	Upper
168	100		
99	64.6	53.6	80.4

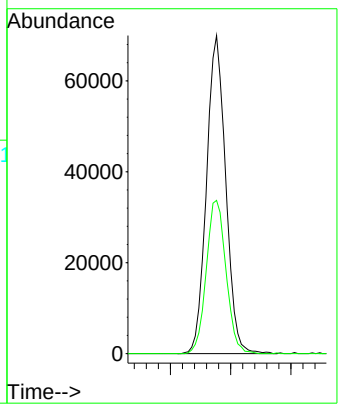




#33
1,2-Dichloroethane-d4
Concen: 53.188 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085523.D
Acq: 27 Jan 2025 17:58

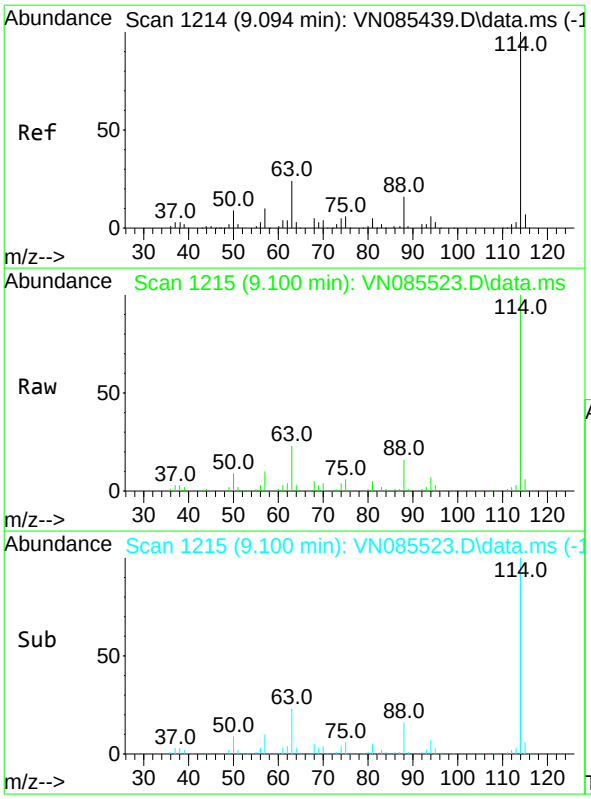
Tgt Ion: 65 Resp: 154833

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	101.6



5

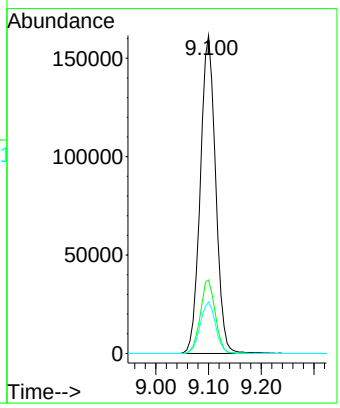
Instrument :
MSVOA_N
ClientSampleId :
TB

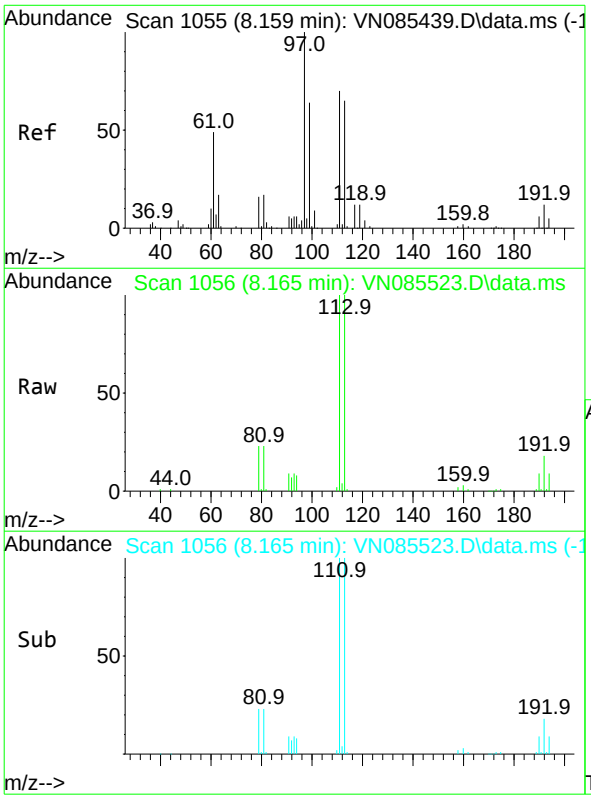


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085523.D
Acq: 27 Jan 2025 17:58

Tgt Ion:114 Resp: 326143

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	47.6
88	16.2	0.0	32.6

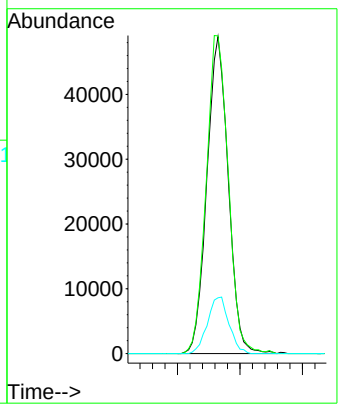




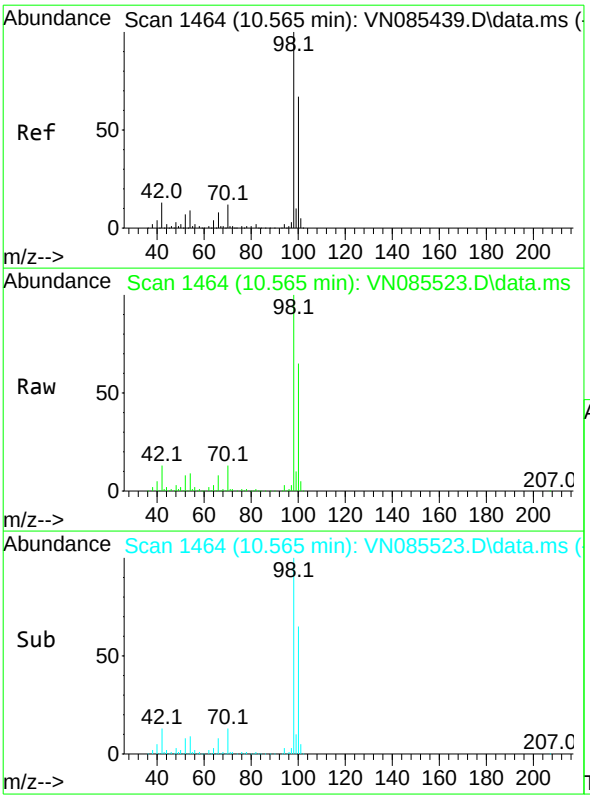
#35
Dibromofluoromethane
Concen: 51.316 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085523.D
Acq: 27 Jan 2025 17:58

Tgt Ion:113 Resp: 116109

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	17.9	14.3	21.5



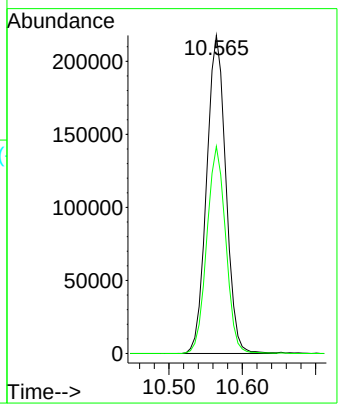
Instrument :
MSVOA_N
ClientSampleId :
TB

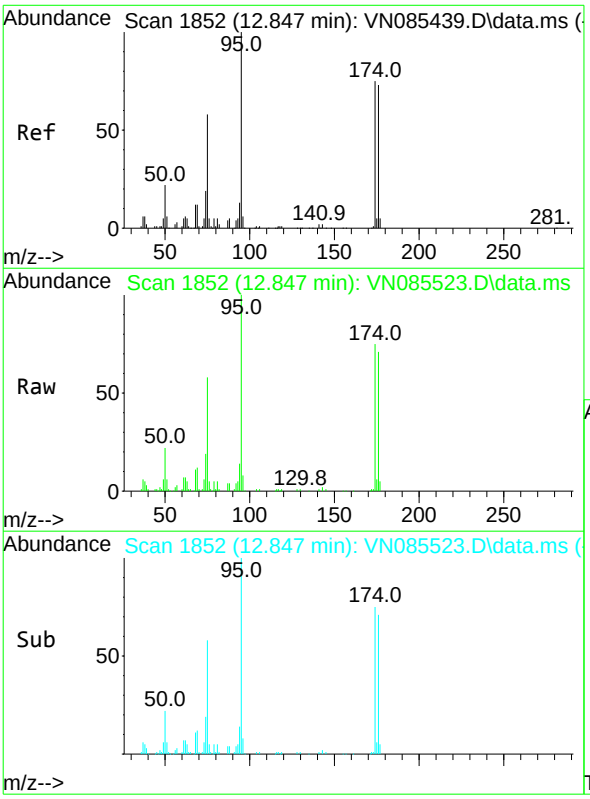


#50
Toluene-d8
Concen: 49.274 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085523.D
Acq: 27 Jan 2025 17:58

Tgt Ion: 98 Resp: 396116

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.2	78.4

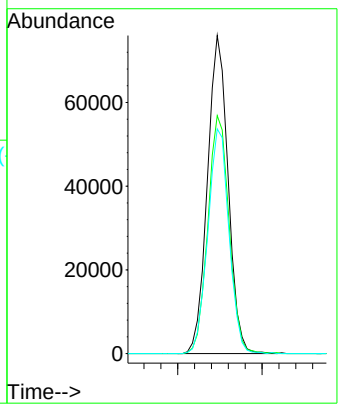




#62
4-Bromofluorobenzene
Concen: 47.007 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085523.D
Acq: 27 Jan 2025 17:58

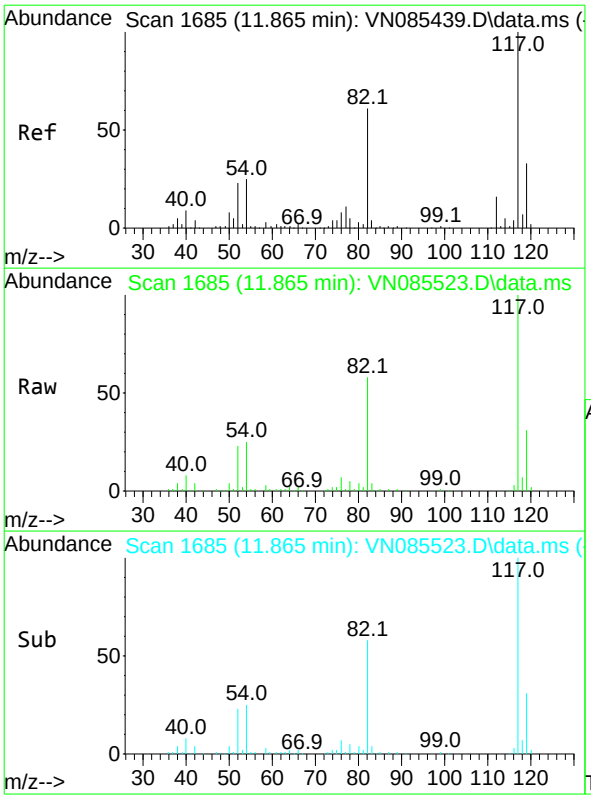
Tgt Ion: 95 Resp: 129268

Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	145.0
176	72.1	0.0	142.4



5

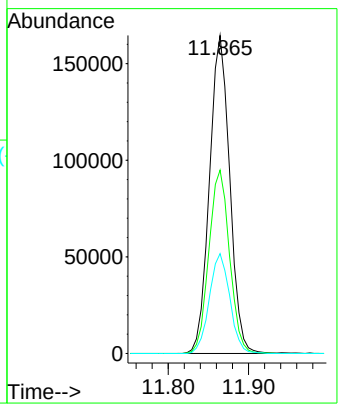
Instrument :
MSVOA_N
ClientSampleId :
TB

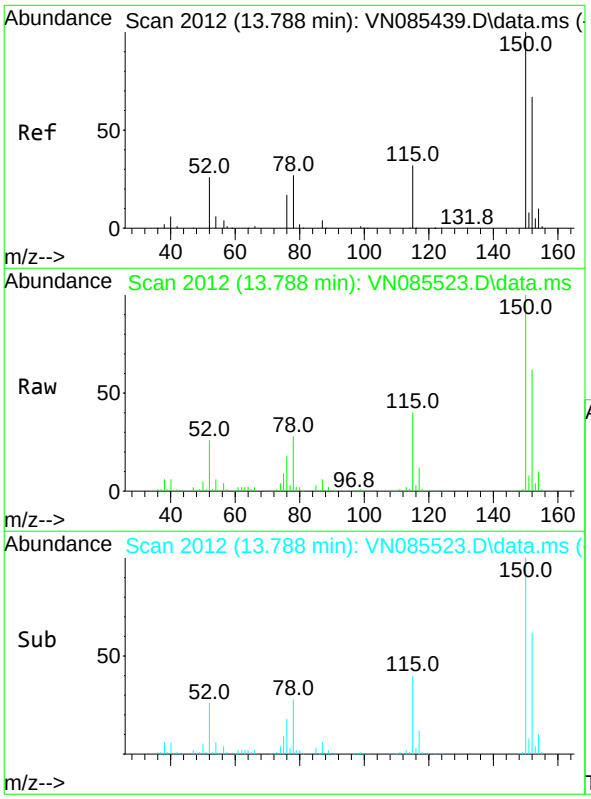


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085523.D
Acq: 27 Jan 2025 17:58

Tgt Ion:117 Resp: 288357

Ion	Ratio	Lower	Upper
117	100		
82	57.6	48.6	72.8
119	31.4	26.6	39.8

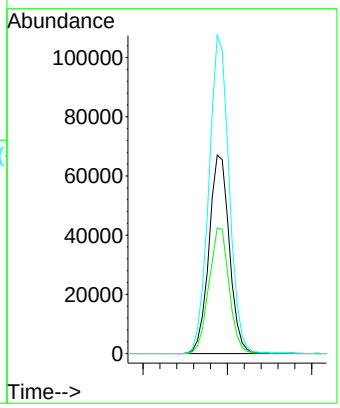




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085523.D
Acq: 27 Jan 2025 17:58

Tgt Ion:152 Resp: 112650

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.1	93.3
150	160.0	0.0	343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085523.D
Acq On : 27 Jan 2025 17:58
Operator : JC\MD
Sample : Q1194-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

Signal : TIC: VN085523.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1060	rBV2	164389	383209	35.46%	6.813%
2	8.224	1060	1066	1078	rVB	265478	595404	55.10%	10.586%
3	8.577	1115	1126	1138	rBV	187005	410835	38.02%	7.304%
4	9.100	1205	1215	1233	rBV	404080	814507	75.38%	14.481%
5	10.565	1456	1464	1478	rBV	597231	1080542	100.00%	19.211%
6	11.865	1677	1685	1698	rBV	532957	941057	87.09%	16.731%
7	12.847	1845	1852	1862	rBV	391168	663594	61.41%	11.798%
8	13.788	2004	2012	2021	rBV	439314	735351	68.05%	13.074%

Sum of corrected areas: 5624499

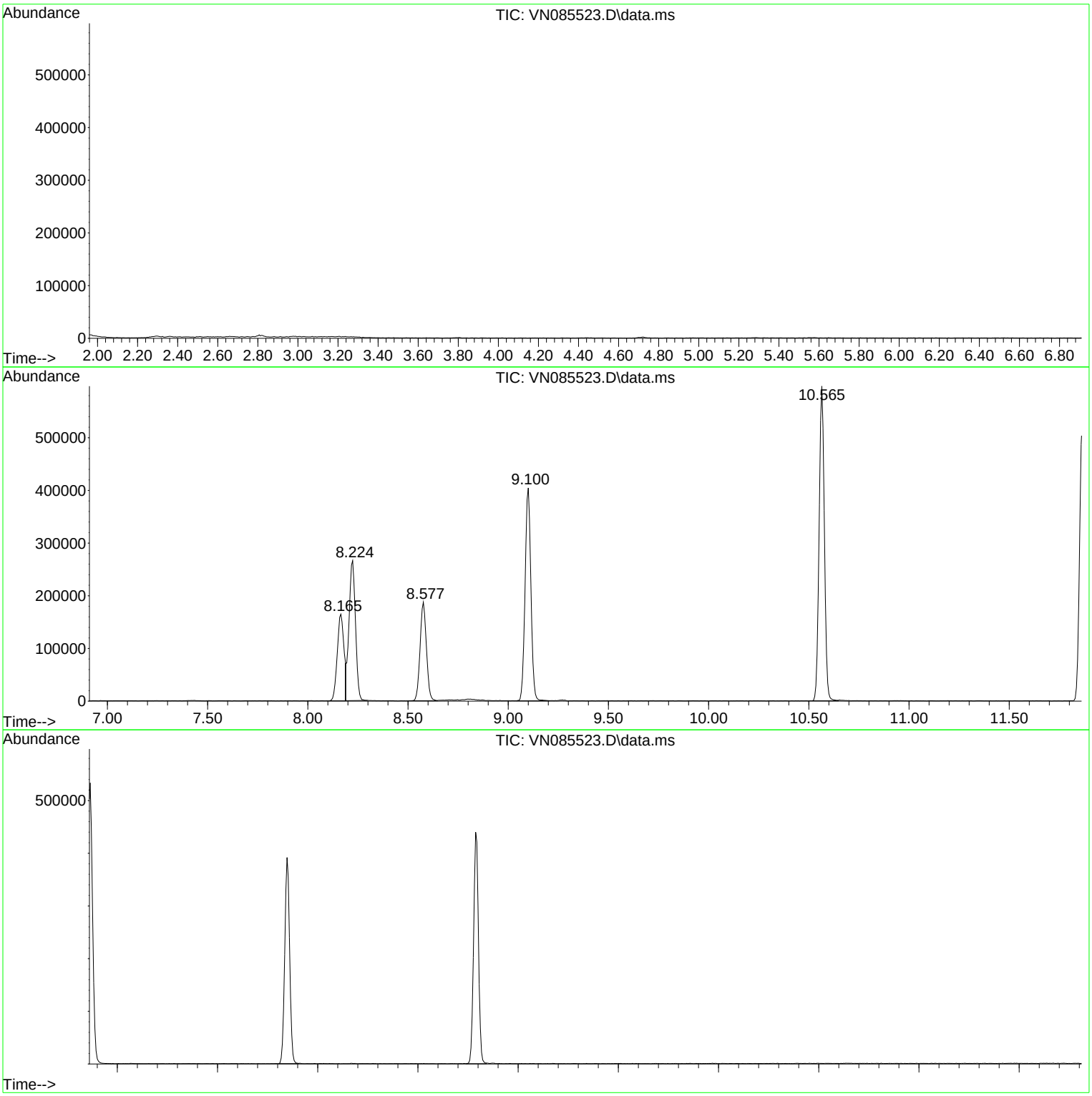
Sample Results: **VN085523.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085523.D
Acq On : 27 Jan 2025 17:58
Operator : JC\MD
Sample : Q1194-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085523.D
Acq On : 27 Jan 2025 17:58
Operator : JC\MD
Sample : Q1194-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085523.D
Acq On : 27 Jan 2025 17:58
Operator : JC\MD
Sample : Q1194-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085518.D
Acq On : 27 Jan 2025 15:48
Operator : JC\MD
Sample : VN0127WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

Quant Time: Jan 28 02:00:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

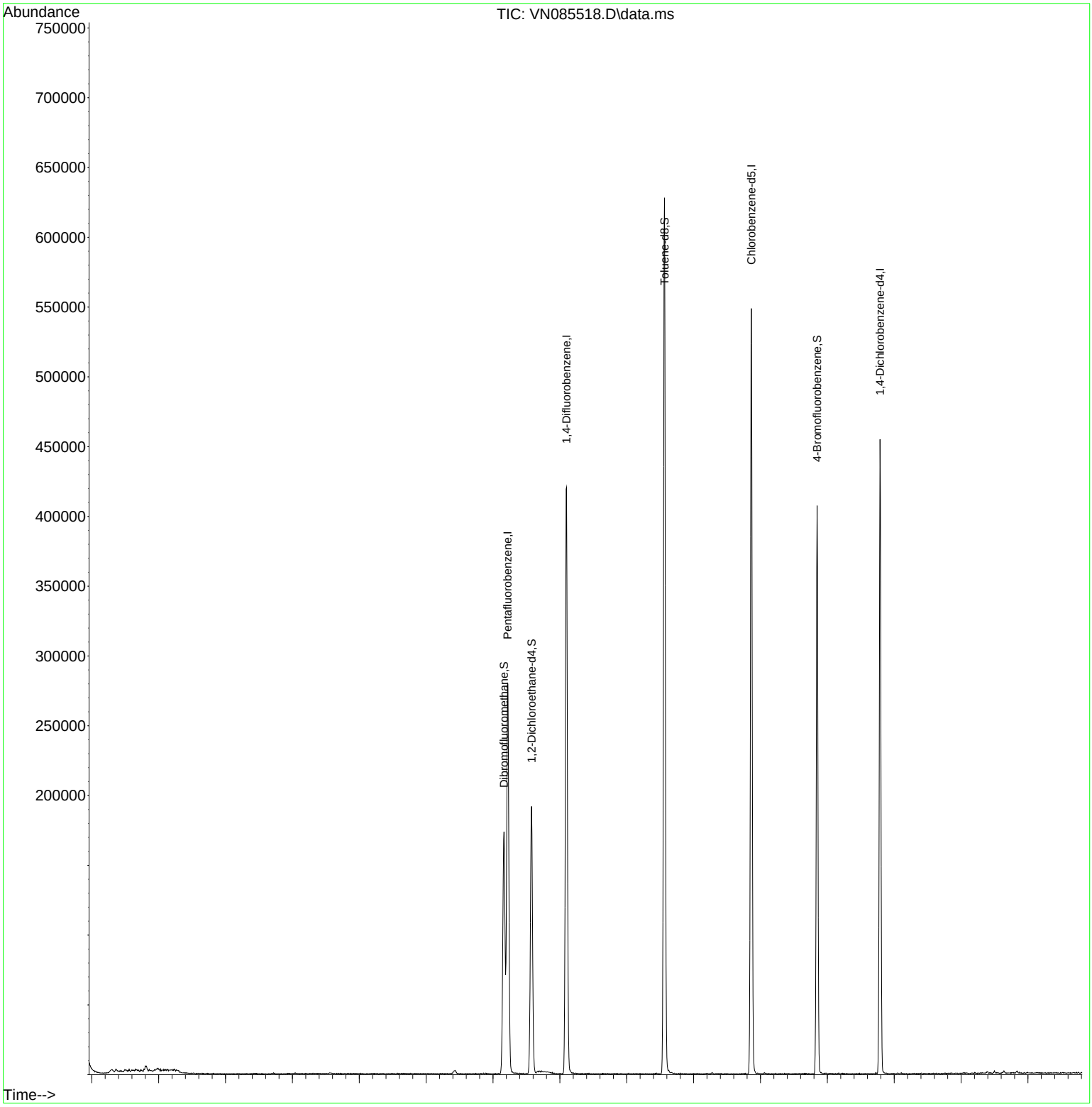
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	197682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	347425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	163263	51.164	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.320%			
35) Dibromofluoromethane	8.165	113	122921	50.999	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	10.565	98	427942	49.972	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.940%			
62) 4-Bromofluorobenzene	12.847	95	134001	45.743	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.480%			
Target Compounds						Qvalue

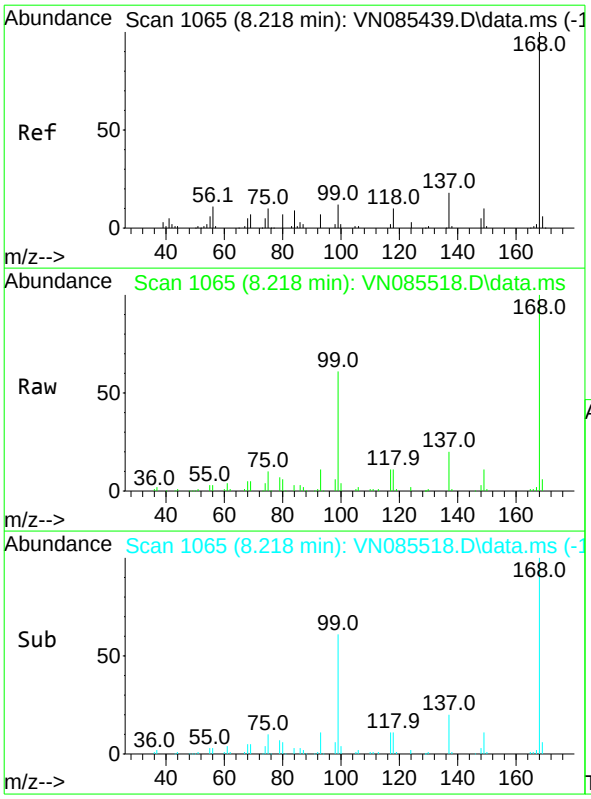
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085518.D
Acq On : 27 Jan 2025 15:48
Operator : JC\MD
Sample : VN0127WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

Quant Time: Jan 28 02:00:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



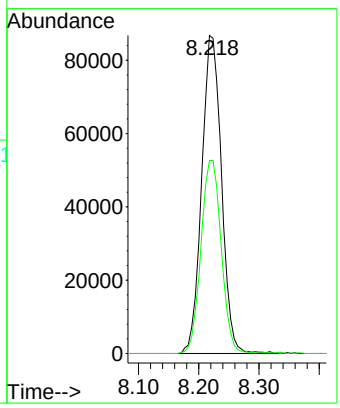


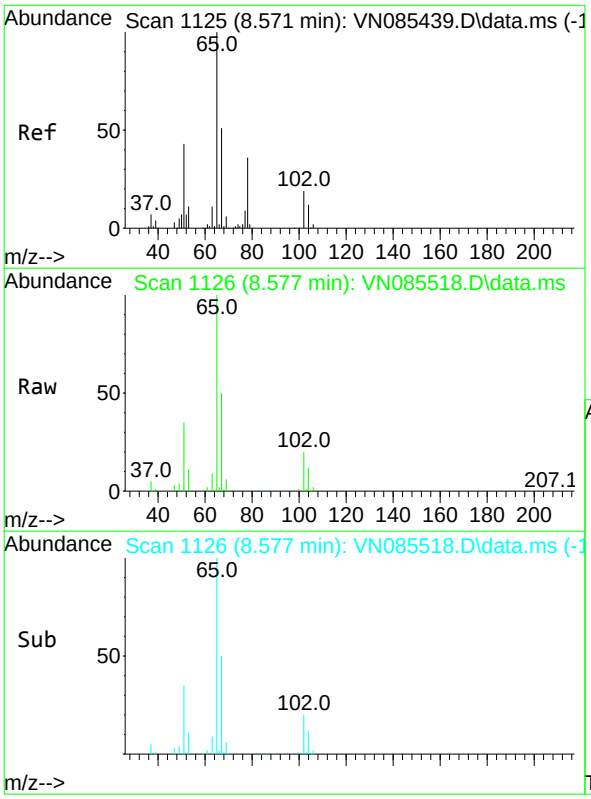
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085518.D
Acq: 27 Jan 2025 15:48

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

Tgt Ion:168 Resp: 197682

Ion	Ratio	Lower	Upper
168	100		
99	60.7	53.6	80.4

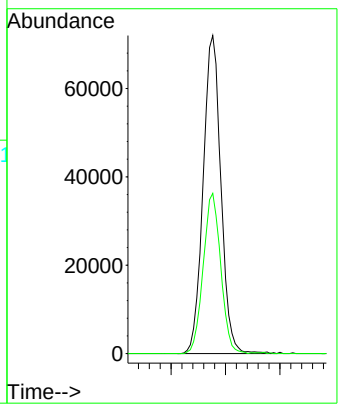


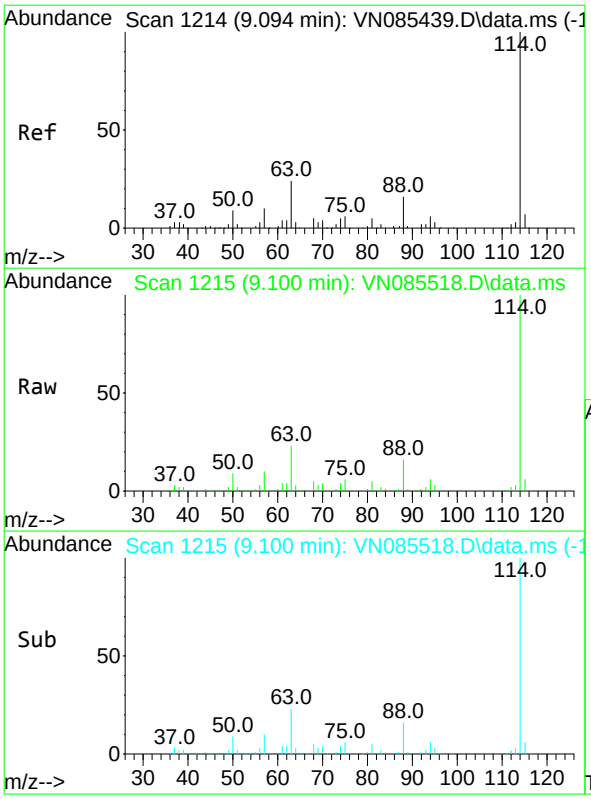


#33
1,2-Dichloroethane-d4
Concen: 51.164 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085518.D
Acq: 27 Jan 2025 15:48

Tgt Ion: 65 Resp: 163263

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	101.6



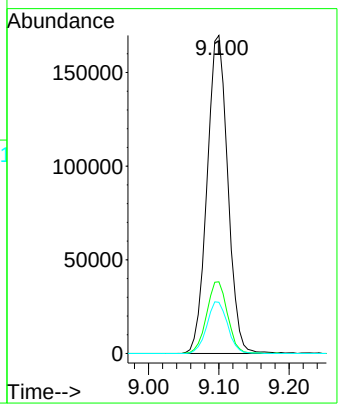


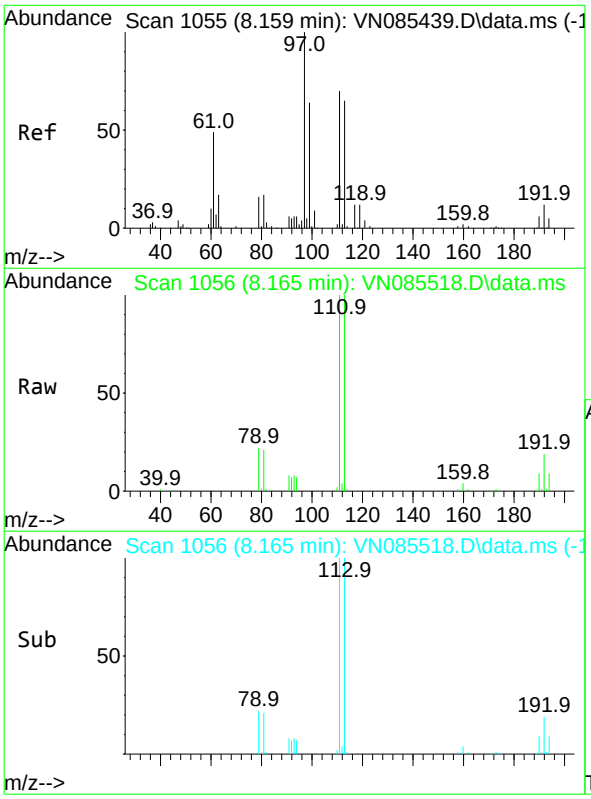
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085518.D
Acq: 27 Jan 2025 15:48

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

Tgt Ion:114 Resp: 347425

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	47.6
88	16.1	0.0	32.6

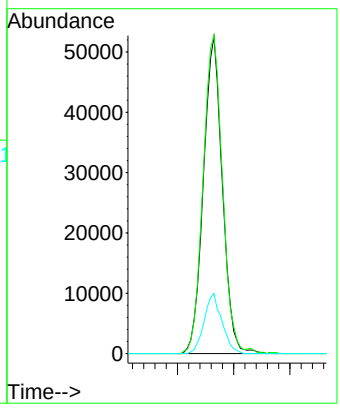


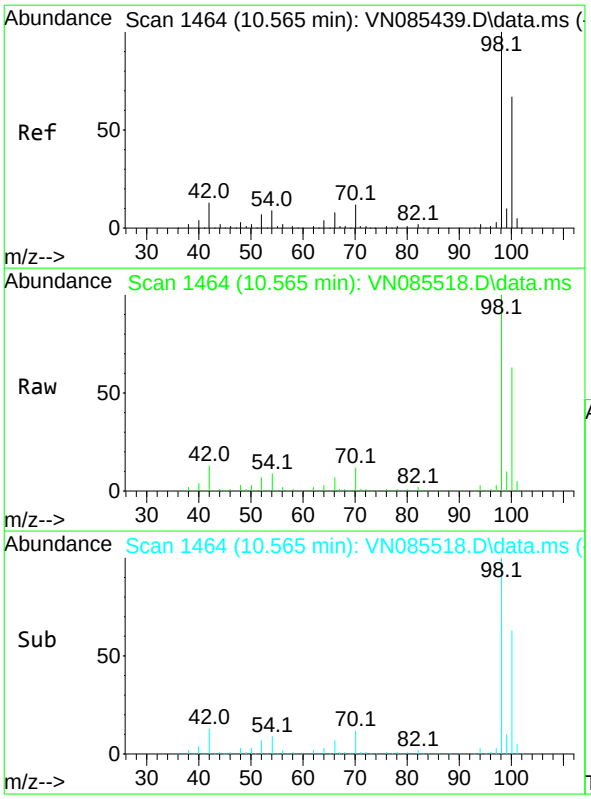


#35
Dibromofluoromethane
Concen: 50.999 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085518.D
Acq: 27 Jan 2025 15:48

Tgt Ion:113 Resp: 122921

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.7	124.1
192	17.8	14.3	21.5



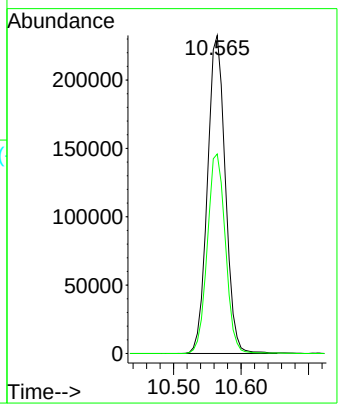


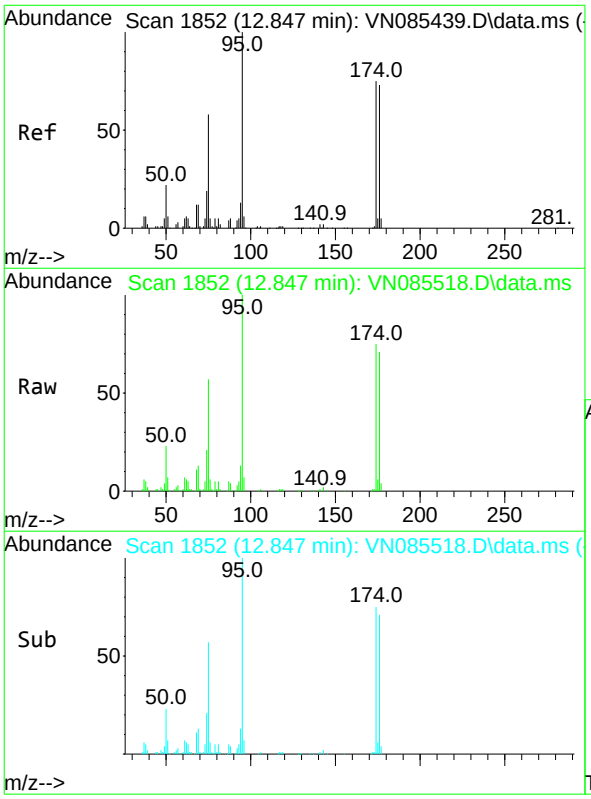
#50
Toluene-d8
Concen: 49.972 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085518.D
Acq: 27 Jan 2025 15:48

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

Tgt Ion: 98 Resp: 427942

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.2	78.4

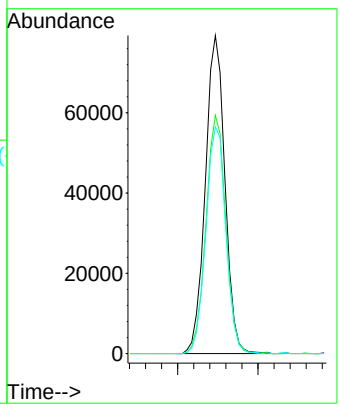




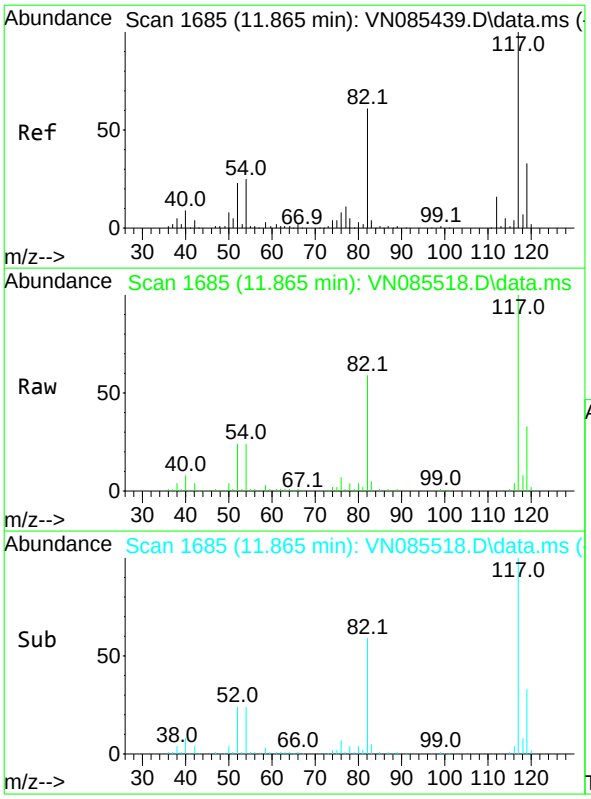
#62
4-Bromofluorobenzene
Concen: 45.743 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085518.D
Acq: 27 Jan 2025 15:48

Tgt Ion: 95 Resp: 134001

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	145.0
176	72.5	0.0	142.4



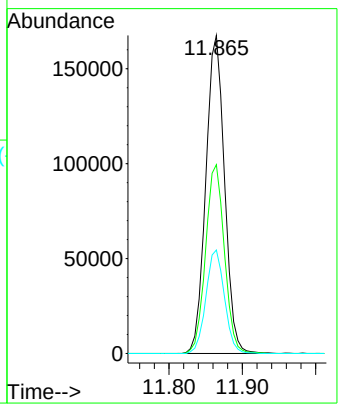
Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

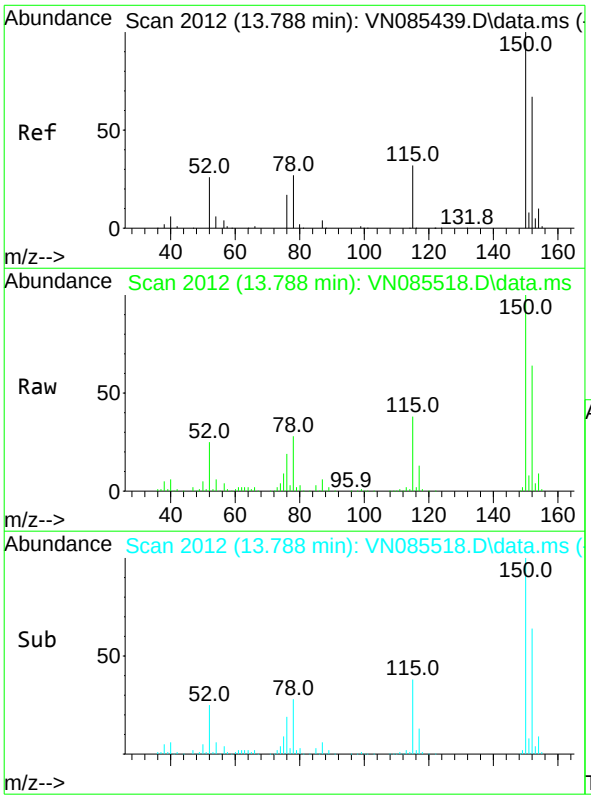


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085518.D
Acq: 27 Jan 2025 15:48

Tgt Ion:117 Resp: 297114

Ion	Ratio	Lower	Upper
117	100		
82	59.4	48.6	72.8
119	32.5	26.6	39.8

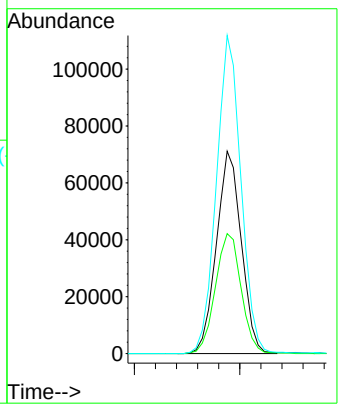




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085518.D
Acq: 27 Jan 2025 15:48

Tgt Ion:152 Resp: 116627

Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.1	93.3
150	155.5	0.0	343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085518.D
Acq On : 27 Jan 2025 15:48
Operator : JC\MD
Sample : VN0127WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

Signal : TIC: VN085518.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1060	rBV	173456	406010	35.22%	6.883%
2	8.218	1060	1065	1076	rVB	278848	634449	55.03%	10.756%
3	8.577	1116	1126	1138	rBV	191387	431244	37.41%	7.311%
4	9.100	1206	1215	1228	rBV	420141	864005	74.95%	14.647%
5	10.565	1455	1464	1473	rBV	627561	1152821	100.00%	19.544%
6	11.865	1677	1685	1698	rBV	548296	975918	84.65%	16.545%
7	12.847	1845	1852	1861	rBV	407100	686365	59.54%	11.636%
8	13.788	2005	2012	2020	rBV	454509	747864	64.87%	12.679%

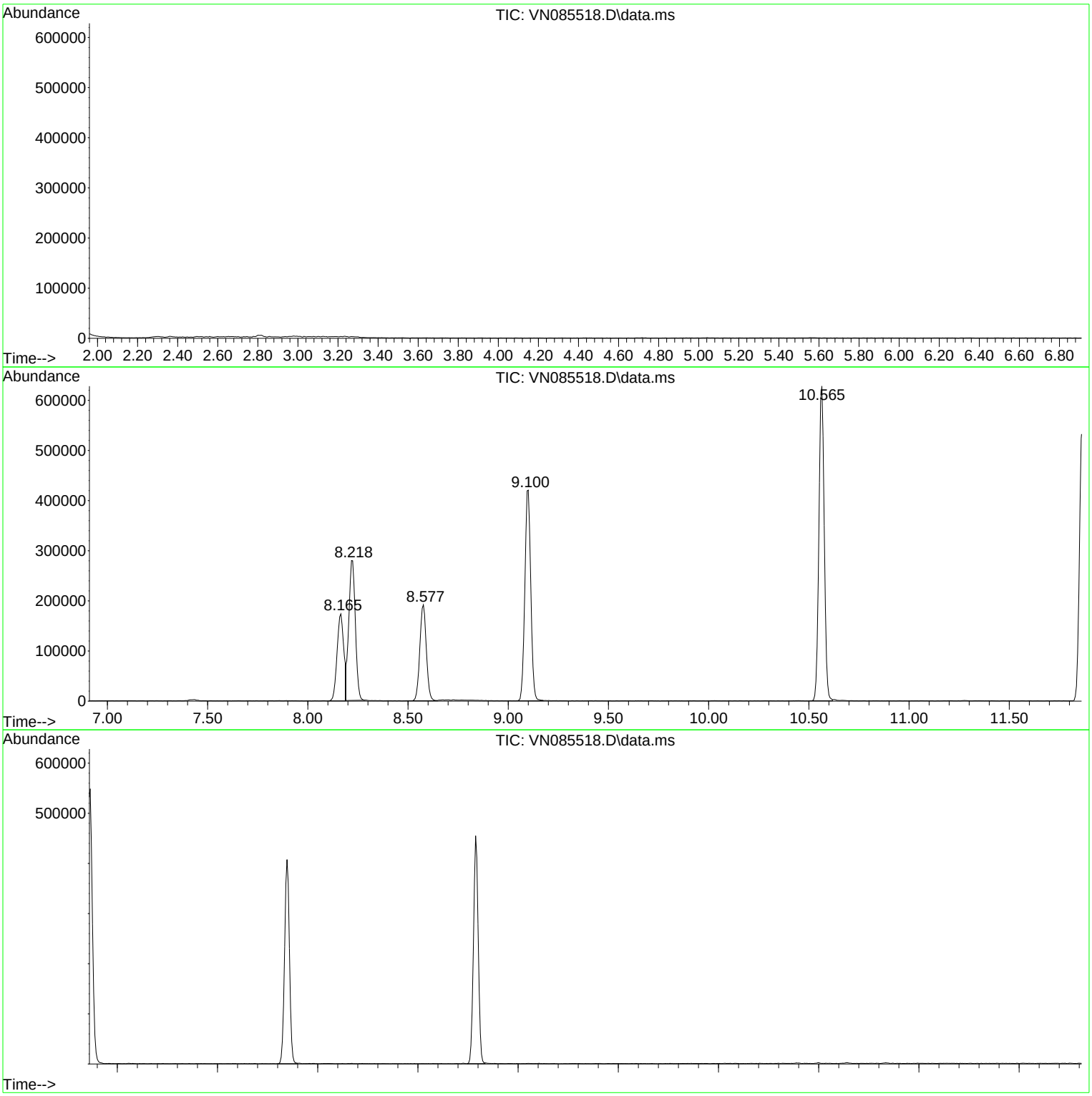
Sum of corrected areas: 5898676

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085518.D
Acq On : 27 Jan 2025 15:48
Operator : JC\MD
Sample : VN0127WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085518.D
Acq On : 27 Jan 2025 15:48
Operator : JC\MD
Sample : VN0127WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085518.D
Acq On : 27 Jan 2025 15:48
Operator : JC\MD
Sample : VN0127WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085528.D
Acq On : 28 Jan 2025 10:51
Operator : JC\MD
Sample : VN0128WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Quant Time: Jan 29 00:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

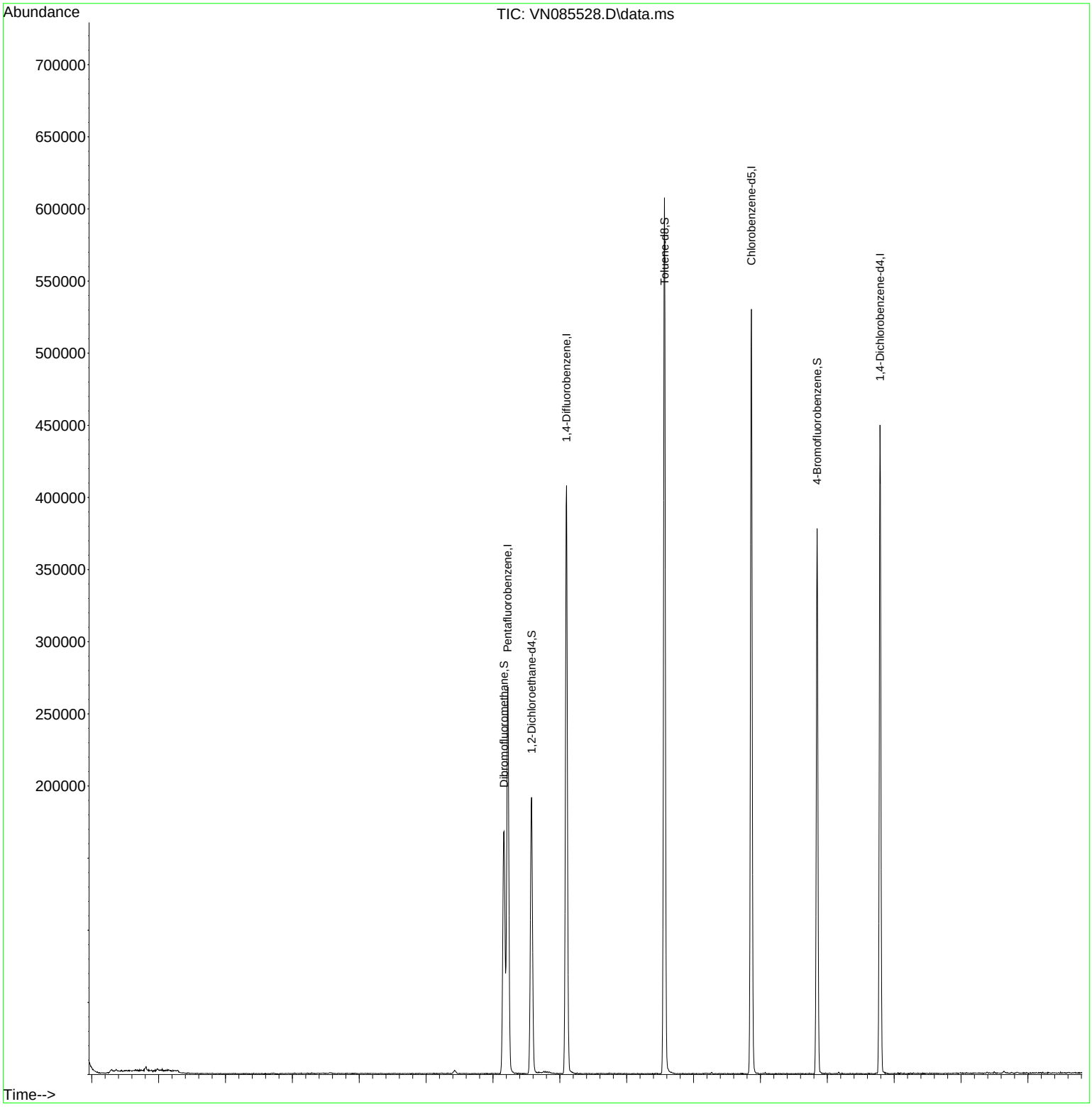
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	183717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	332601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159230	53.693	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.380%			
35) Dibromofluoromethane	8.165	113	120495	52.220	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.440%			
50) Toluene-d8	10.565	98	410338	50.052	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.100%			
62) 4-Bromofluorobenzene	12.847	95	124045	44.232	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.460%			
Target Compounds						Qvalue

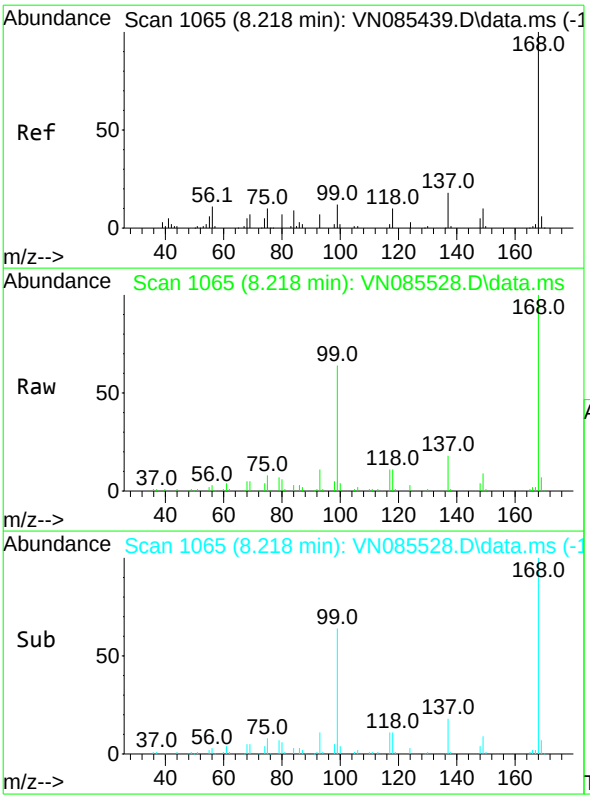
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085528.D
Acq On : 28 Jan 2025 10:51
Operator : JC\MD
Sample : VN0128WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Quant Time: Jan 29 00:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



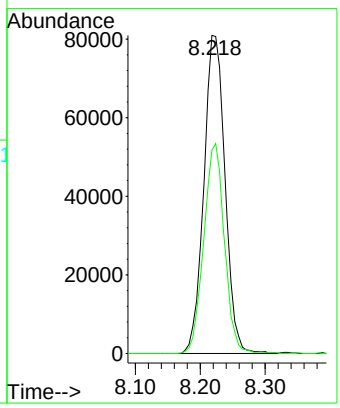


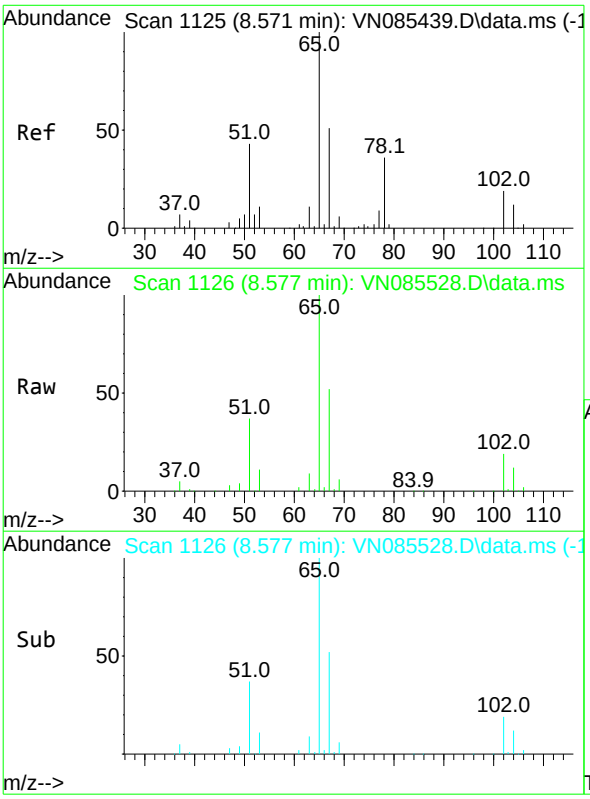
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Tgt Ion:168 Resp: 183717

Ion	Ratio	Lower	Upper
168	100		
99	63.9	53.6	80.4

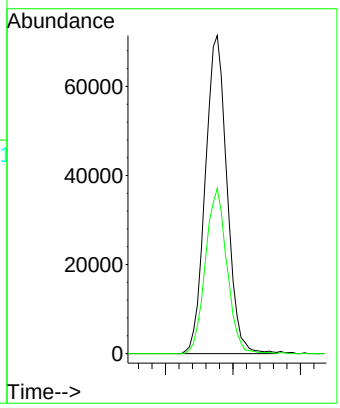


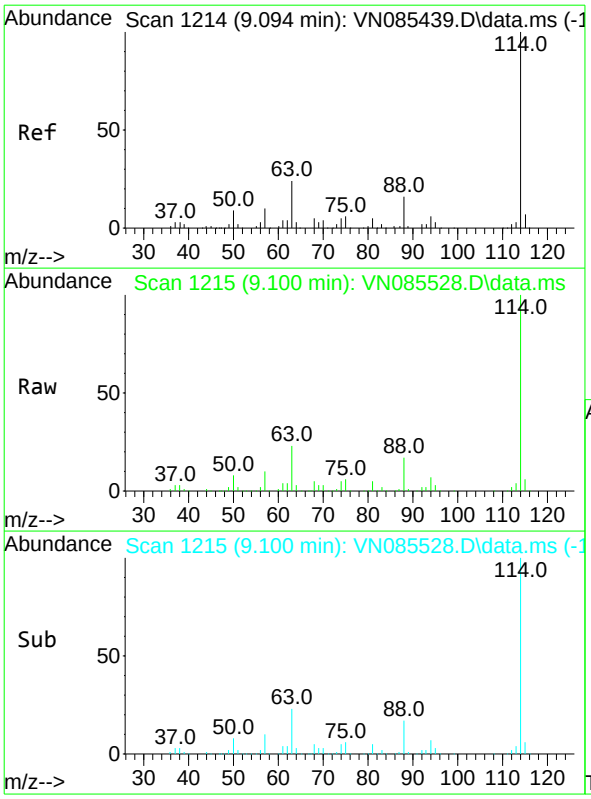


#33
1,2-Dichloroethane-d4
Concen: 53.693 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Tgt Ion: 65 Resp: 159230

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.6



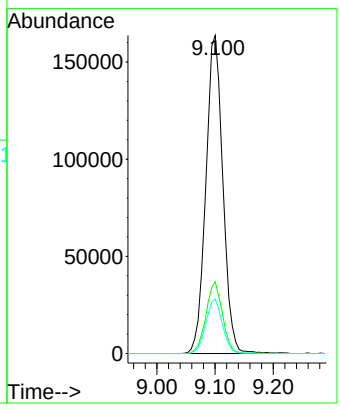


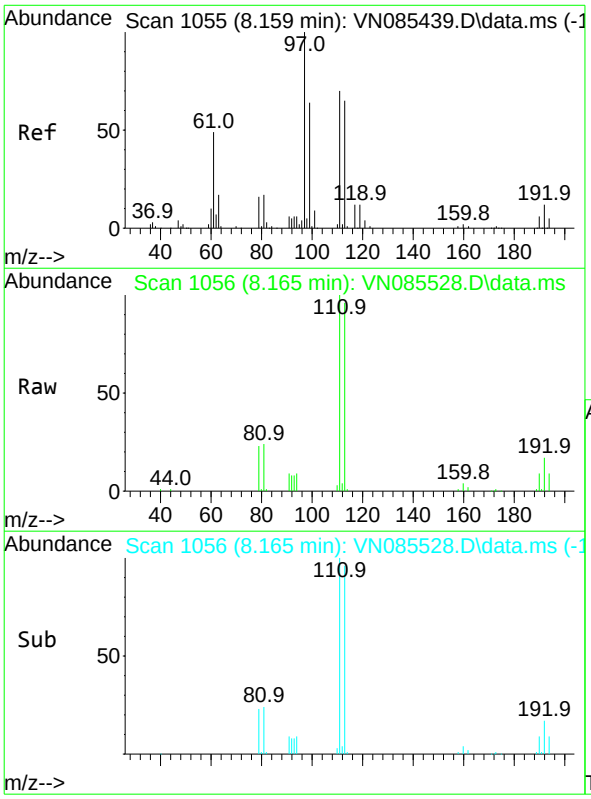
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Tgt Ion:114 Resp: 332601

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	47.6
88	17.2	0.0	32.6

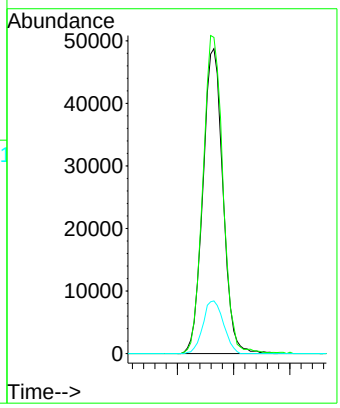


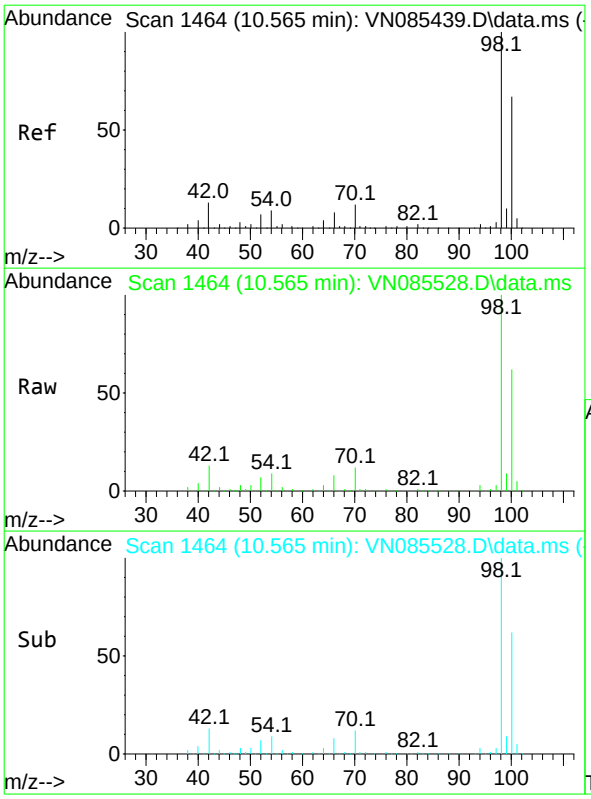


#35
Dibromofluoromethane
Concen: 52.220 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Tgt Ion:113 Resp: 120495

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	17.8	14.3	21.5



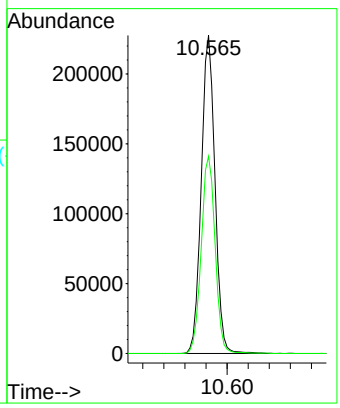


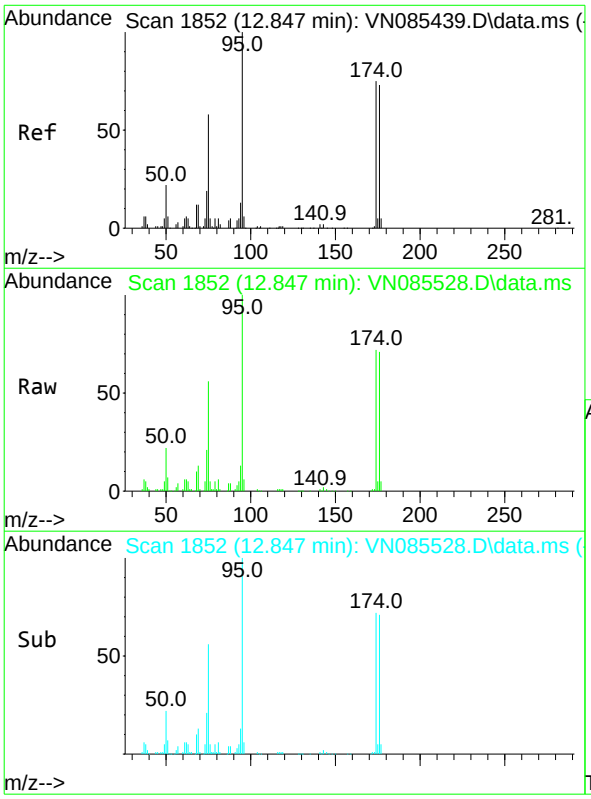
#50
Toluene-d8
Concen: 50.052 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Tgt Ion: 98 Resp: 410338

Ion	Ratio	Lower	Upper
98	100		
100	63.0	52.2	78.4

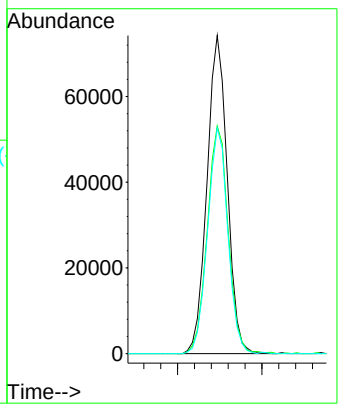


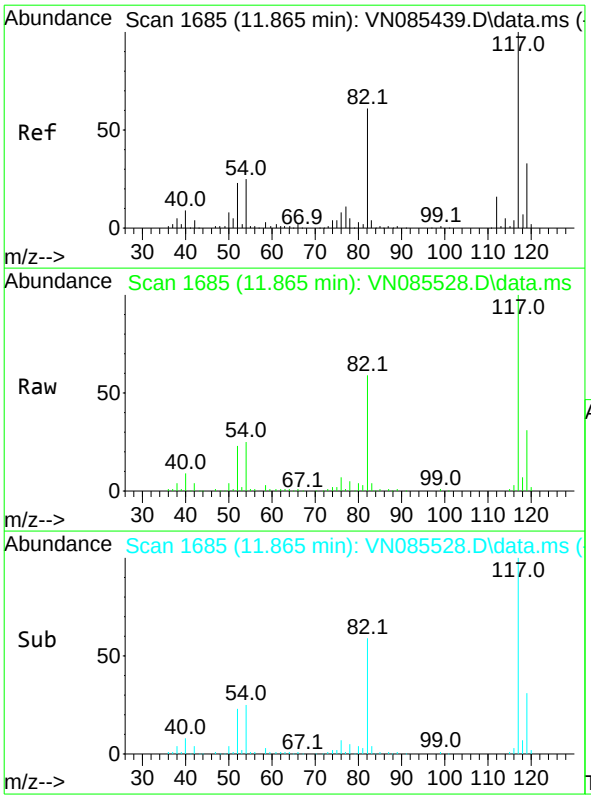


#62
4-Bromofluorobenzene
Concen: 44.232 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Tgt Ion: 95 Resp: 124045

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	145.0
176	70.5	0.0	142.4



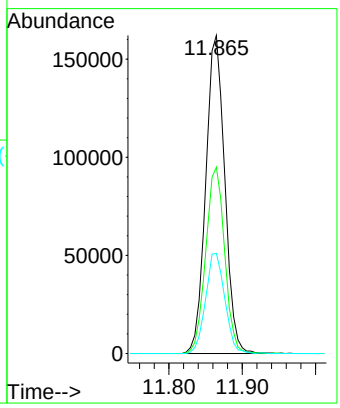


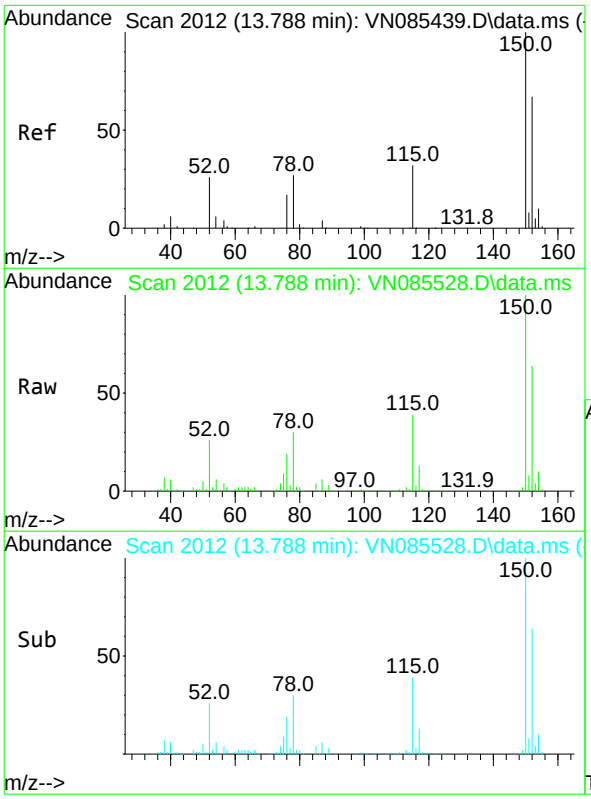
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Tgt Ion:117 Resp: 291066

Ion	Ratio	Lower	Upper
117	100		
82	58.6	48.6	72.8
119	31.5	26.6	39.8

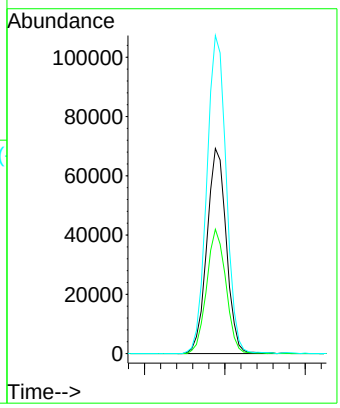




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Tgt Ion:152 Resp: 116250

Ion	Ratio	Lower	Upper
152	100		
115	60.3	31.1	93.3
150	155.3	0.0	343.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085528.D
Acq On : 28 Jan 2025 10:51
Operator : JC\MD
Sample : VN0128WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

Signal : TIC: VN085528.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1060	rBV	167943	401423	36.19%	7.042%
2	8.224	1060	1066	1082	rVB	267962	606129	54.65%	10.633%
3	8.577	1116	1126	1138	rBV	191499	427577	38.55%	7.501%
4	9.100	1205	1215	1229	rBV	407646	827937	74.65%	14.524%
5	10.565	1455	1464	1480	rBV	607166	1109139	100.00%	19.457%
6	11.865	1676	1685	1697	rBV	529971	948825	85.55%	16.645%
7	12.847	1845	1852	1860	rBV	378051	632238	57.00%	11.091%
8	13.788	2005	2012	2021	rBV	449400	747250	67.37%	13.108%

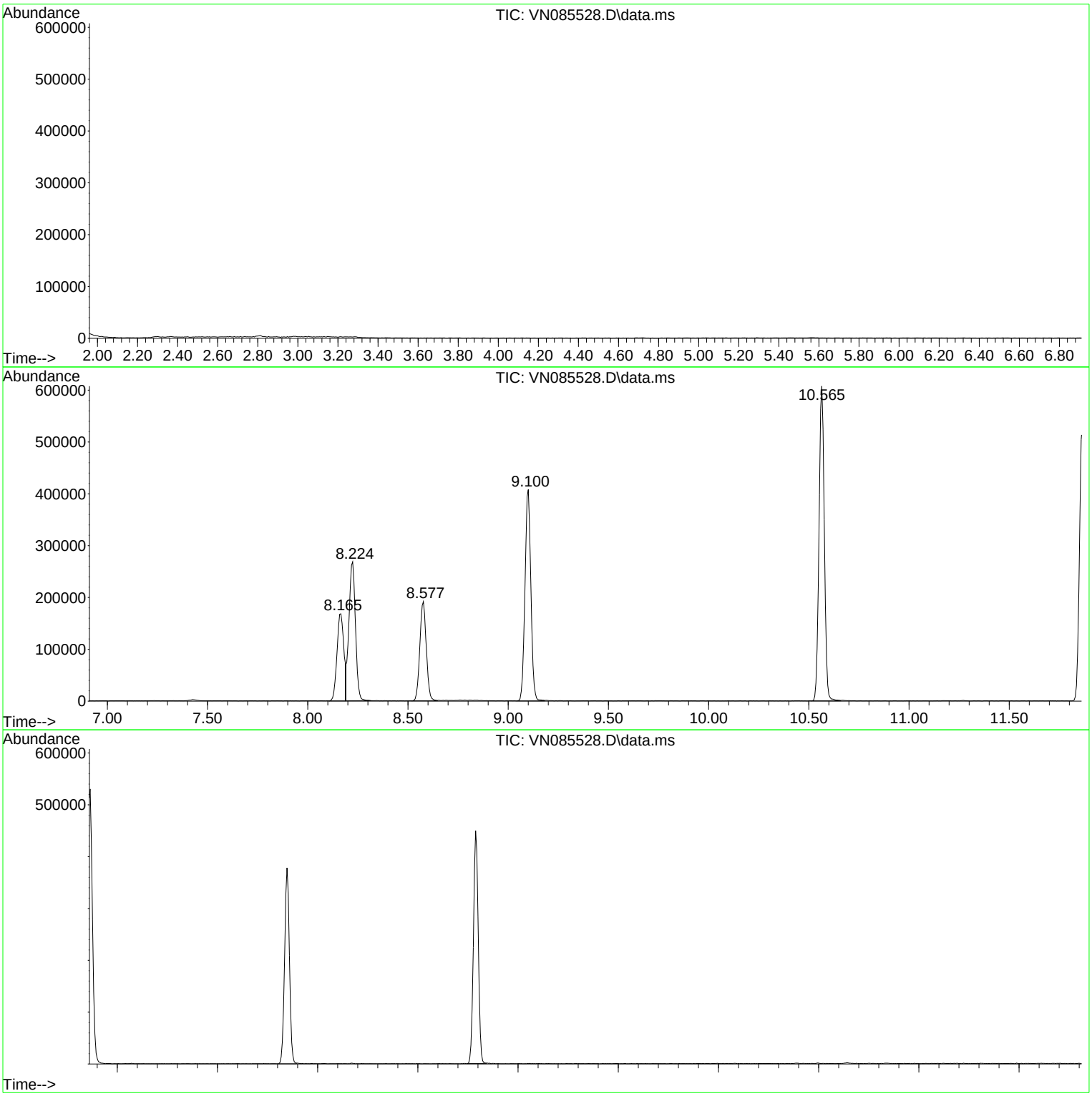
Sum of corrected areas: 5700518

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085528.D
Acq On : 28 Jan 2025 10:51
Operator : JC\MD
Sample : VN0128WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085528.D
Acq On : 28 Jan 2025 10:51
Operator : JC\MD
Sample : VN0128WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085528.D
Acq On : 28 Jan 2025 10:51
Operator : JC\MD
Sample : VN0128WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020937.D
Acq On : 27 Jan 2025 09:51
Operator : SY/MD
Sample : VY0127SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBL01

Quant Time: Jan 28 01:09:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

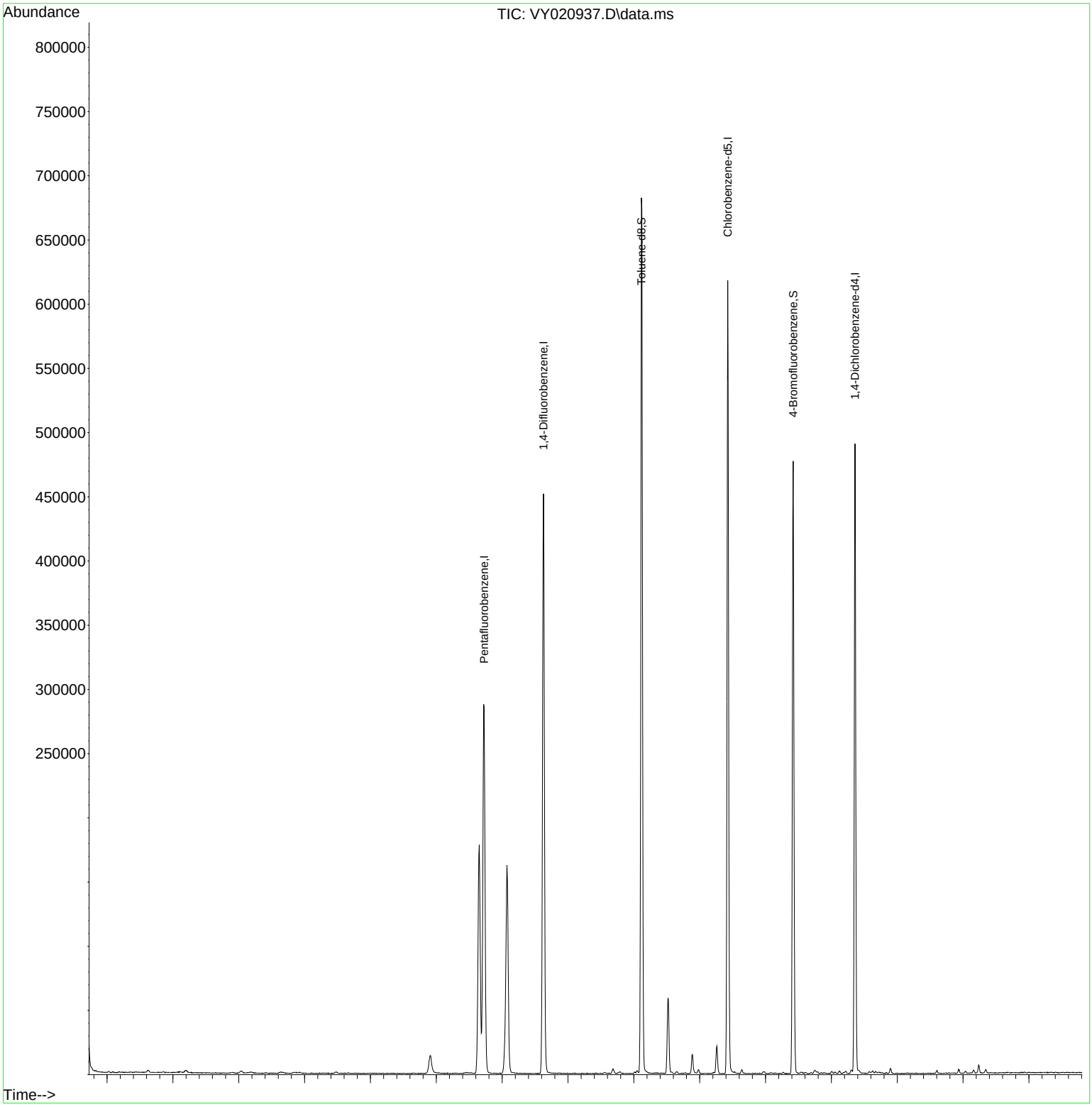
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.726	168	237241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	406523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	343434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	130475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	119396	63.121	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.240%			
35) Dibromofluoromethane	7.652	113	128709	55.150	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.300%			
50) Toluene-d8	10.115	98	467826	51.680	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.420	95	142244	47.215	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 94.440%			
Target Compounds						Qvalue

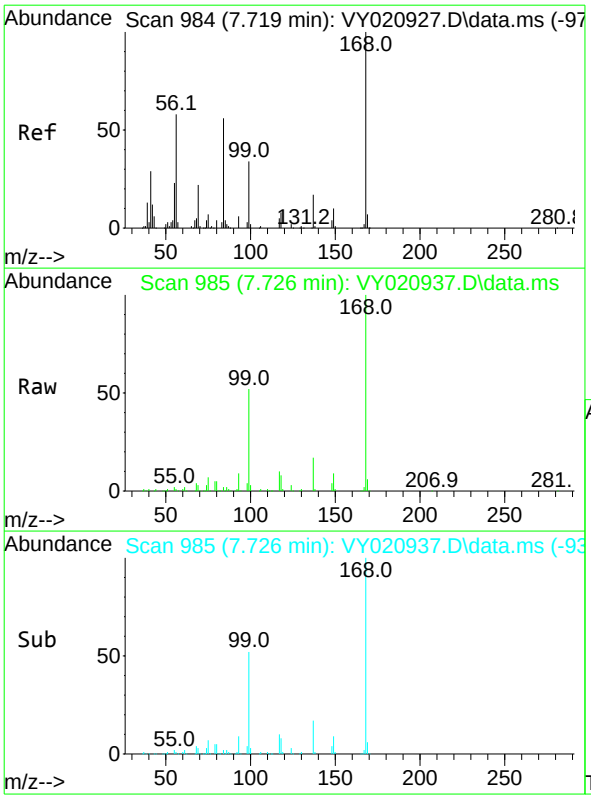
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020937.D
Acq On : 27 Jan 2025 09:51
Operator : SY/MD
Sample : VY0127SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBL01

Quant Time: Jan 28 01:09:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration



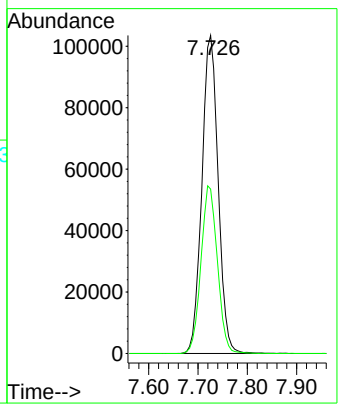


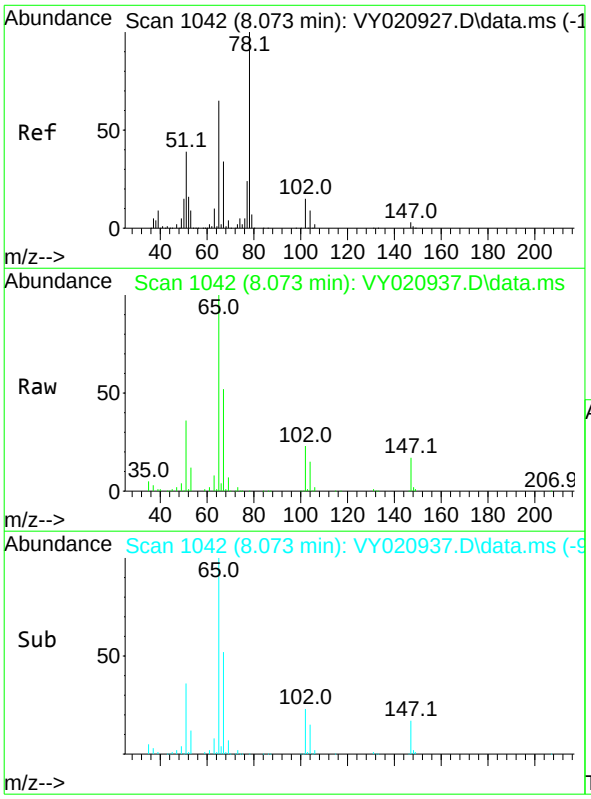
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.726 min Scan# 98
Delta R.T. 0.007 min
Lab File: VY020937.D
Acq: 27 Jan 2025 09:51

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBL01

Tgt Ion:168 Resp: 237241

Ion	Ratio	Lower	Upper
168	100		
99	51.7	43.0	64.6

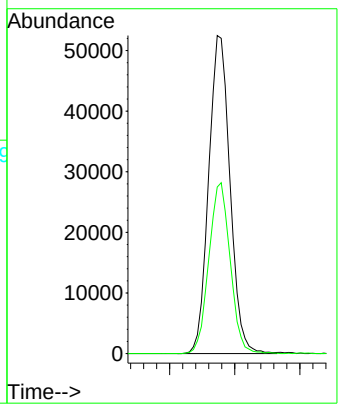


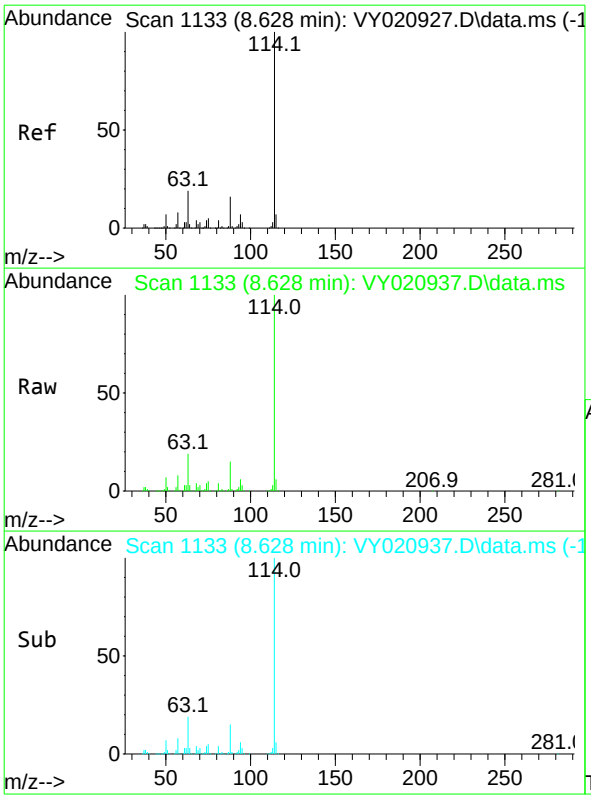


#33
1,2-Dichloroethane-d4
Concen: 63.121 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY020937.D
Acq: 27 Jan 2025 09:51

Tgt Ion: 65 Resp: 119396

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.8



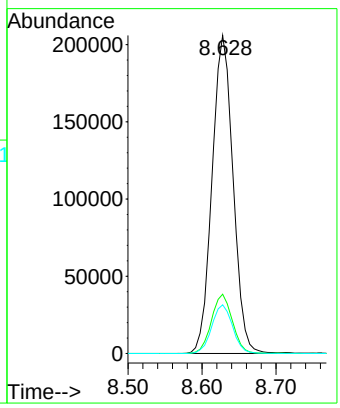


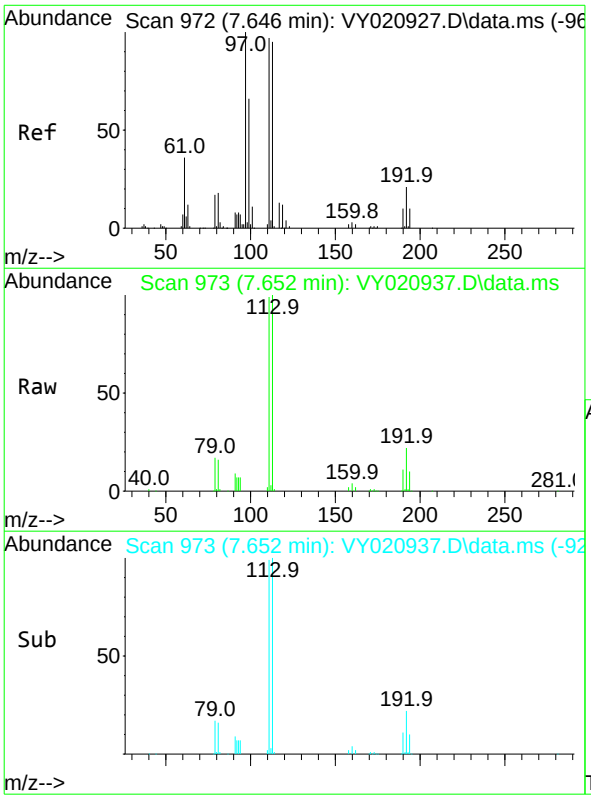
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020937.D
Acq: 27 Jan 2025 09:51

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBL01

Tgt Ion:114 Resp: 406523

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.4
88	15.3	0.0	31.6

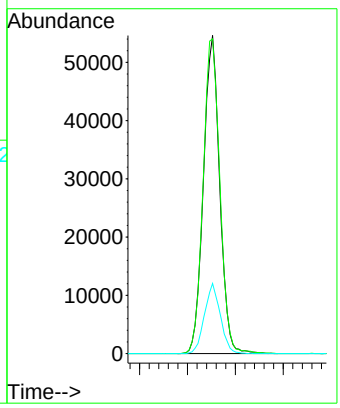


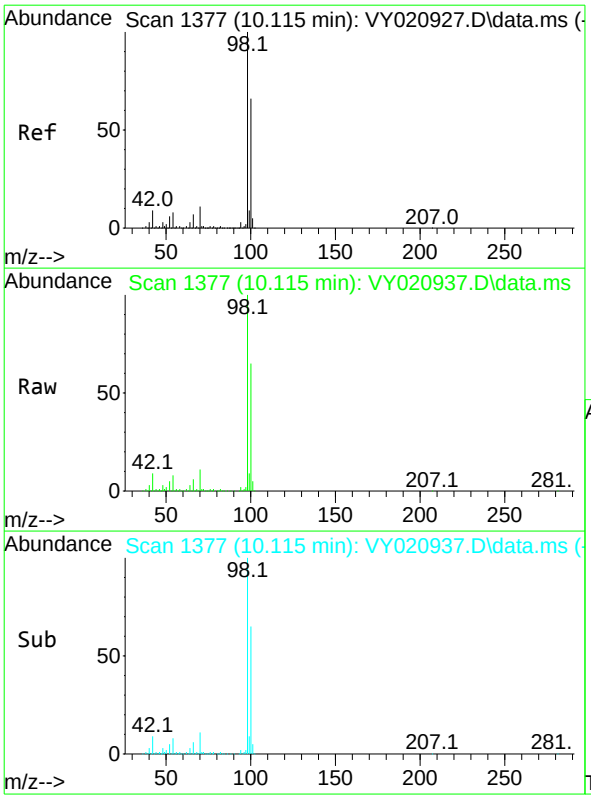


#35
Dibromofluoromethane
Concen: 55.150 ug/l
RT: 7.652 min Scan# 973
Delta R.T. 0.006 min
Lab File: VY020937.D
Acq: 27 Jan 2025 09:51

Tgt Ion:113 Resp: 128709

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.3	123.5
192	21.6	17.4	26.2



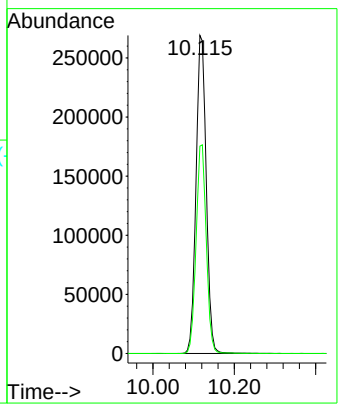


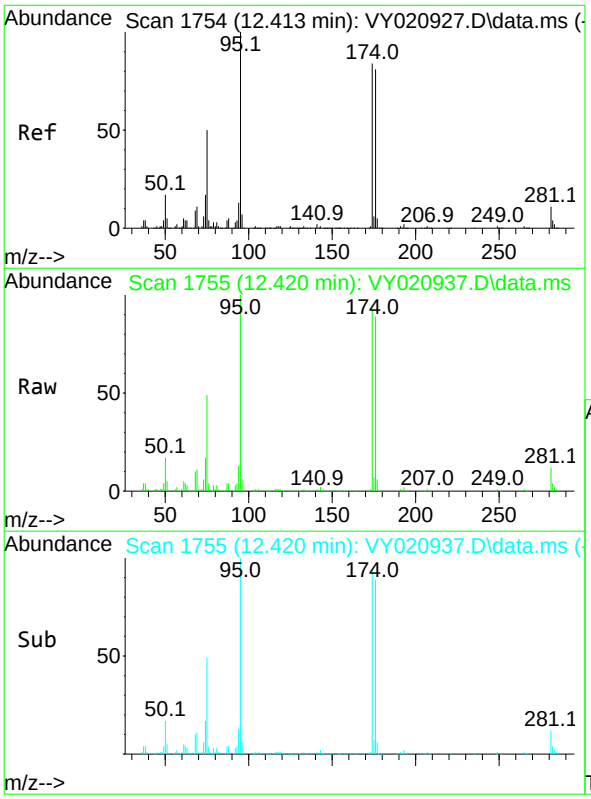
#50
Toluene-d8
Concen: 51.680 ug/l
RT: 10.115 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020937.D
Acq: 27 Jan 2025 09:51

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBL01

Tgt Ion: 98 Resp: 467826

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5

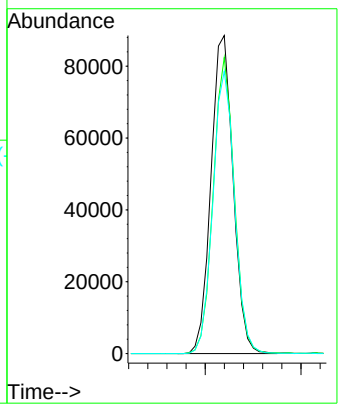


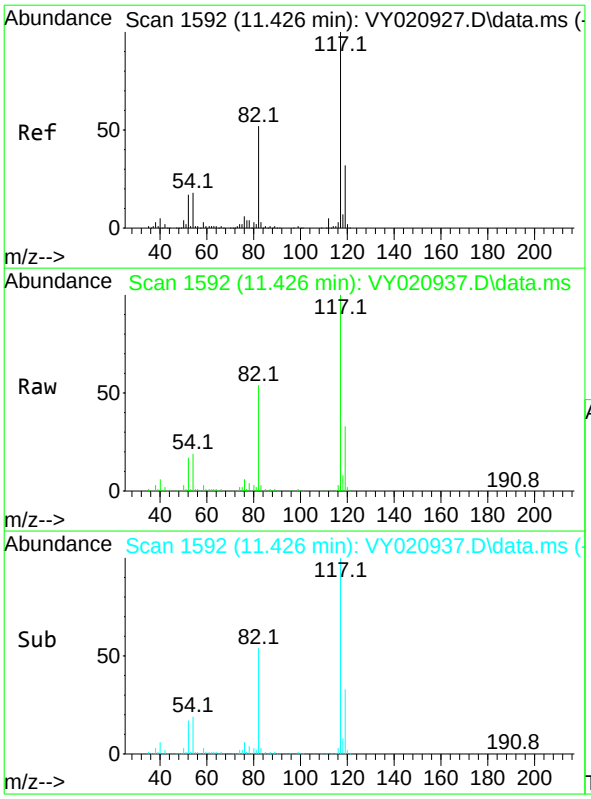


#62
4-Bromofluorobenzene
Concen: 47.215 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VY020937.D
Acq: 27 Jan 2025 09:51

Tgt Ion: 95 Resp: 142244

Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	177.4
176	86.8	0.0	172.2



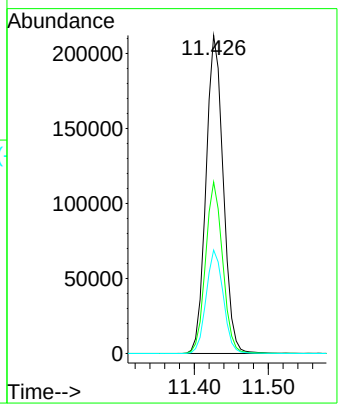


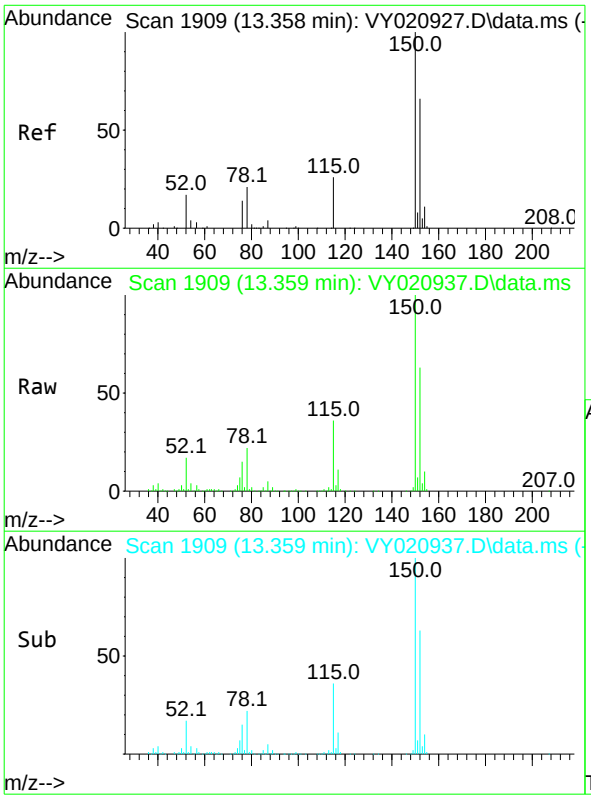
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020937.D
Acq: 27 Jan 2025 09:51

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBL01

Tgt Ion:117 Resp: 343434

Ion	Ratio	Lower	Upper
117	100		
82	53.9	41.8	62.8
119	32.5	26.0	39.0

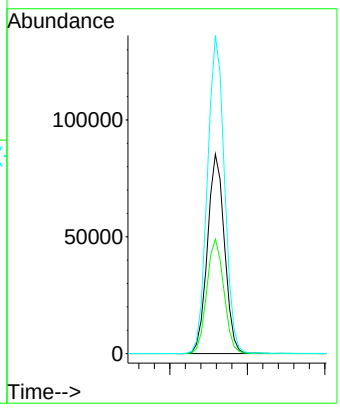




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY020937.D
Acq: 27 Jan 2025 09:51

Tgt Ion:152 Resp: 130475

Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.0	87.0
150	159.8	0.0	347.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020937.D
Acq On : 27 Jan 2025 09:51
Operator : SY/MD
Sample : VY0127SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Title : SW846 8260

Signal : TIC: VY020937.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.909	840	851	861	rBV	13854	42784	3.59%	0.674%
2	7.652	963	973	978	rBV	177869	419718	35.21%	6.613%
3	7.719	978	984	997	rVB	287036	665965	55.87%	10.493%
4	8.073	1028	1042	1054	rBV2	162231	412178	34.58%	6.494%
5	8.628	1123	1133	1145	rBV	451567	898199	75.35%	14.152%
6	10.115	1370	1377	1394	rVB	681484	1192072	100.00%	18.782%
7	10.518	1436	1443	1450	rBV	58414	110712	9.29%	1.744%
8	10.890	1498	1504	1514	rBV2	14810	26886	2.26%	0.424%
9	11.262	1559	1565	1572	rVB	21345	36975	3.10%	0.583%
10	11.426	1585	1592	1607	rBV	617494	1005665	84.36%	15.845%
11	12.420	1747	1755	1767	rBV2	476982	789116	66.20%	12.433%
12	13.359	1903	1909	1917	rBV	488758	746703	62.64%	11.765%

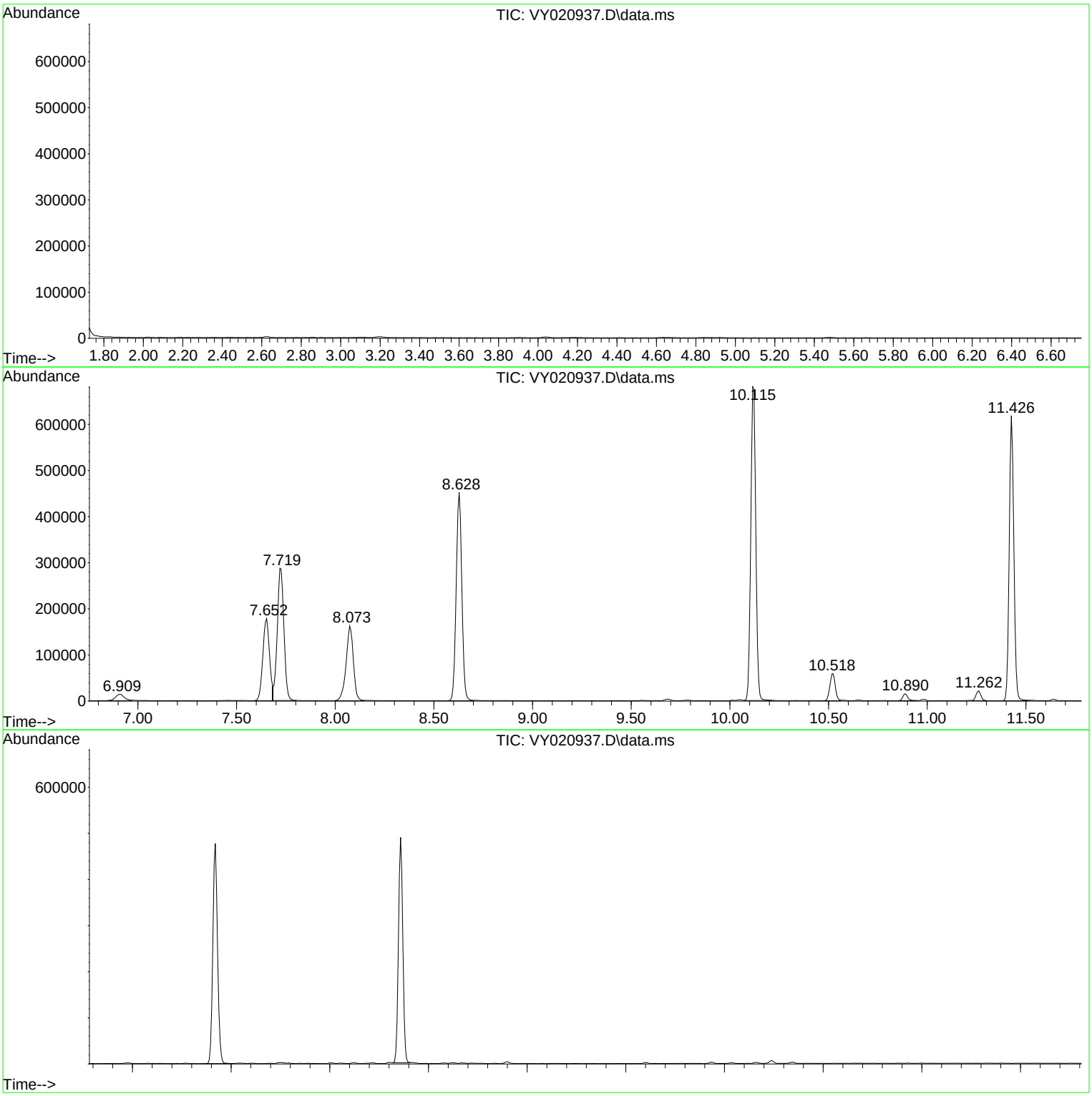
Sum of corrected areas: 6346973

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020937.D
Acq On : 27 Jan 2025 09:51
Operator : SY/MD
Sample : VY0127SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020937.D
Acq On : 27 Jan 2025 09:51
Operator : SY/MD
Sample : VY0127SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020937.D
Acq On : 27 Jan 2025 09:51
Operator : SY/MD
Sample : VY0127SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085519.D
Acq On : 27 Jan 2025 16:12
Operator : JC\MD
Sample : VN0127WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 28 02:01:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	208674	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	353856	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	309822	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147310	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	159253	47.278	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.560%				
35) Dibromofluoromethane	8.165	113	120488	49.081	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.160%				
50) Toluene-d8	10.565	98	426365	48.883	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.760%				
62) 4-Bromofluorobenzene	12.847	95	147277	49.362	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.720%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	44950	15.909	ug/l		99
3) Chloromethane	2.359	50	47704	15.594	ug/l		98
4) Vinyl Chloride	2.512	62	49504	16.100	ug/l		99
5) Bromomethane	2.959	94	31105	16.747	ug/l		96
6) Chloroethane	3.124	64	32682	16.765	ug/l		100
7) Trichlorofluoromethane	3.501	101	79914	17.912	ug/l		97
8) Diethyl Ether	3.959	74	25429	16.499	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.371	101	44004	17.511	ug/l		98
10) Methyl Iodide	4.595	142	51366	17.850	ug/l		98
11) Tert butyl alcohol	5.518	59	41199	106.814	ug/l	#	86
12) 1,1-Dichloroethene	4.336	96	39715	17.733	ug/l		93
13) Acrolein	4.177	56	39870	75.723	ug/l		97
14) Allyl chloride	5.024	41	60984	16.781	ug/l		99
15) Acrylonitrile	5.718	53	114428	93.401	ug/l		99
16) Acetone	4.424	43	99525	91.444	ug/l		99
17) Carbon Disulfide	4.712	76	101875	14.774	ug/l		97
18) Methyl Acetate	5.018	43	65808	19.884	ug/l		98
19) Methyl tert-butyl Ether	5.795	73	138922	19.104	ug/l		100
20) Methylene Chloride	5.271	84	48074	17.843	ug/l		98
21) trans-1,2-Dichloroethene	5.789	96	41676	17.413	ug/l		95
22) Diisopropyl ether	6.665	45	151624	18.798	ug/l		96
23) Vinyl Acetate	6.600	43	522202	92.509	ug/l		99
24) 1,1-Dichloroethane	6.565	63	87862	17.864	ug/l		97
25) 2-Butanone	7.477	43	151283	94.455	ug/l		98
26) 2,2-Dichloropropane	7.483	77	81242	20.431	ug/l		100
27) cis-1,2-Dichloroethene	7.483	96	50080	17.765	ug/l		96
28) Bromochloromethane	7.812	49	39958	17.463	ug/l		98
29) Tetrahydrofuran	7.836	42	99901	98.382	ug/l		99
30) Chloroform	7.965	83	92835	18.263	ug/l		97
31) Cyclohexane	8.253	56	71296	16.678	ug/l		98
32) 1,1,1-Trichloroethane	8.171	97	82314	18.461	ug/l		96
36) 1,1-Dichloropropene	8.371	75	59051	17.139	ug/l		99
37) Ethyl Acetate	7.553	43	64447	18.532	ug/l	#	95
38) Carbon Tetrachloride	8.359	117	71696	18.177	ug/l		100
39) Methylcyclohexane	9.600	83	56147	17.342	ug/l		94
40) Benzene	8.600	78	188579	18.216	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085519.D
Acq On : 27 Jan 2025 16:12
Operator : JC\MD
Sample : VN0127WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 28 02:01:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	34171	18.887	ug/l		98
42) 1,2-Dichloroethane	8.671	62	71703	18.390	ug/l		100
43) Isopropyl Acetate	8.683	43	105207	18.880	ug/l		99
44) Trichloroethene	9.347	130	42540	17.653	ug/l		97
45) 1,2-Dichloropropane	9.618	63	47873	18.105	ug/l		98
46) Dibromomethane	9.706	93	34364	18.011	ug/l		98
47) Bromodichloromethane	9.883	83	73853	18.999	ug/l		95
48) Methyl methacrylate	9.677	41	48560	19.364	ug/l		100
49) 1,4-Dioxane	9.688	88	16169	382.887	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.441	43	320107	98.995	ug/l		99
52) Toluene	10.624	92	114724	19.126	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	68643	18.686	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	74838	19.072	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	44521	18.755	ug/l		99
56) Ethyl methacrylate	10.871	69	63931	17.301	ug/l		98
57) 1,3-Dichloropropane	11.159	76	78049	18.909	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	129626	86.050	ug/l		100
59) 2-Hexanone	11.194	43	229022	100.658	ug/l		100
60) Dibromochloromethane	11.353	129	53997	18.841	ug/l		99
61) 1,2-Dibromoethane	11.465	107	43876	18.569	ug/l		98
64) Tetrachloroethene	11.100	164	41376	19.589	ug/l		90
65) Chlorobenzene	11.888	112	124390	18.327	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	46396	18.625	ug/l		98
67) Ethyl Benzene	11.959	91	206785	18.706	ug/l		99
68) m/p-Xylenes	12.065	106	156314	38.260	ug/l		99
69) o-Xylene	12.394	106	74513	19.084	ug/l		99
70) Styrene	12.406	104	126745	19.615	ug/l		99
71) Bromoform	12.576	173	34938	19.602	ug/l	#	100
73) Isopropylbenzene	12.694	105	190425	19.153	ug/l		99
74) N-amyl acetate	12.494	43	82210	18.396	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	65024	18.515	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	52136m	17.413	ug/l		
77) Bromobenzene	12.976	156	47540	18.302	ug/l		98
78) n-propylbenzene	13.035	91	224974	19.114	ug/l		100
79) 2-Chlorotoluene	13.124	91	142697	18.733	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	159046	19.367	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.729	75	21123	19.087	ug/l		98
82) 4-Chlorotoluene	13.218	91	143166	18.876	ug/l		99
83) tert-Butylbenzene	13.435	119	129220	18.737	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	158145	19.321	ug/l		99
85) sec-Butylbenzene	13.612	105	184179	19.269	ug/l		100
86) p-Isopropyltoluene	13.723	119	147016	18.528	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	84631	17.692	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	87319	17.611	ug/l		100
89) n-Butylbenzene	14.053	91	122155	17.814	ug/l		100
90) Hexachloroethane	14.329	117	32263	17.731	ug/l		99
91) 1,2-Dichlorobenzene	14.100	146	85356	17.888	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12232	19.073	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	38292	17.267	ug/l		99
94) Hexachlorobutadiene	15.500	225	19651	16.690	ug/l		96
95) Naphthalene	15.635	128	108913	16.458	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	37774	16.834	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085519.D
Acq On : 27 Jan 2025 16:12
Operator : JC\MD
Sample : VN0127WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 28 02:01:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

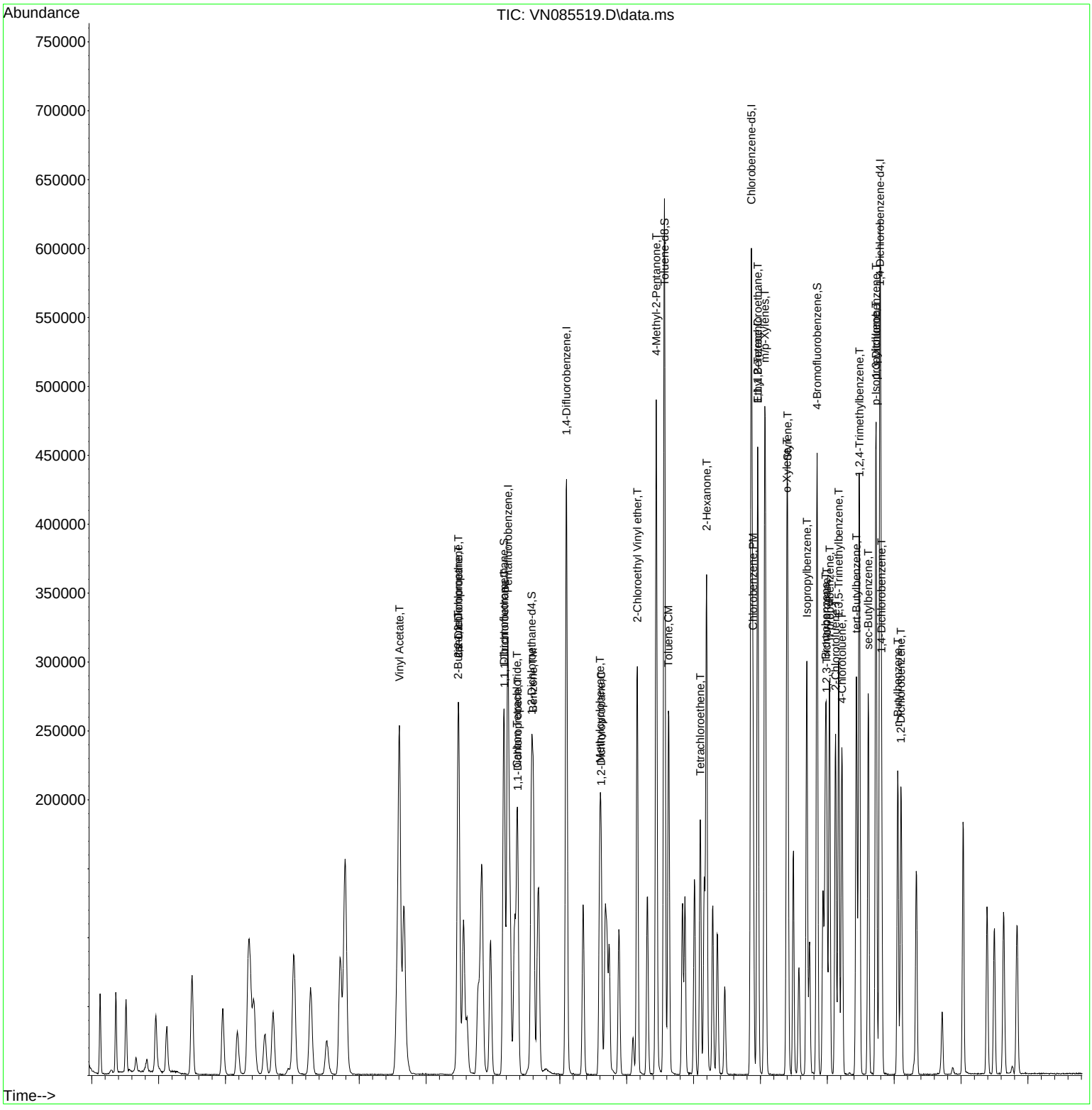
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085519.D
Acq On : 27 Jan 2025 16:12
Operator : JC\MD
Sample : VN0127WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

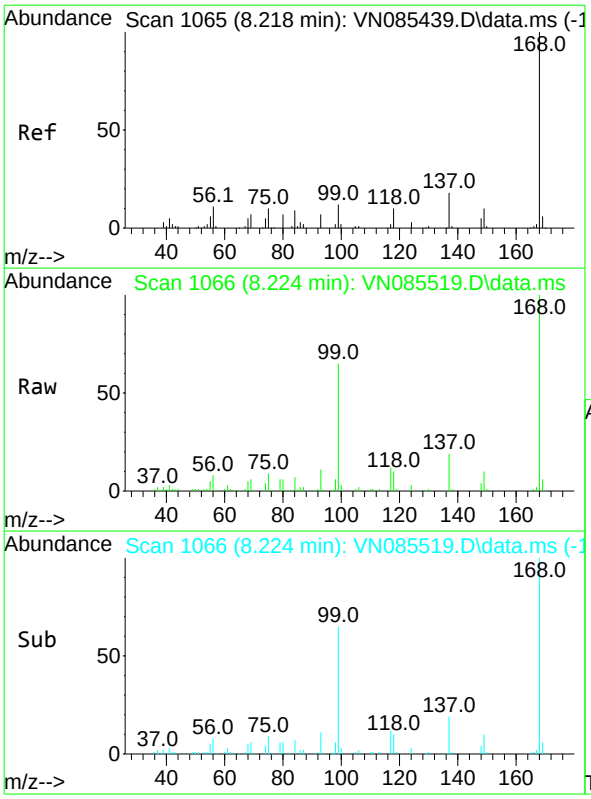
Quant Time: Jan 28 02:01:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

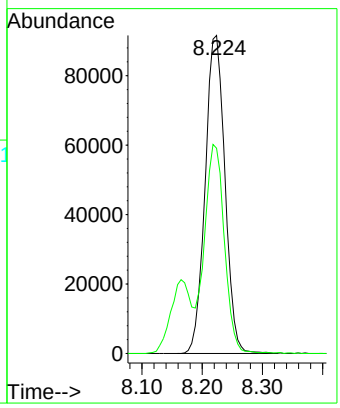




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:168 Resp: 208674

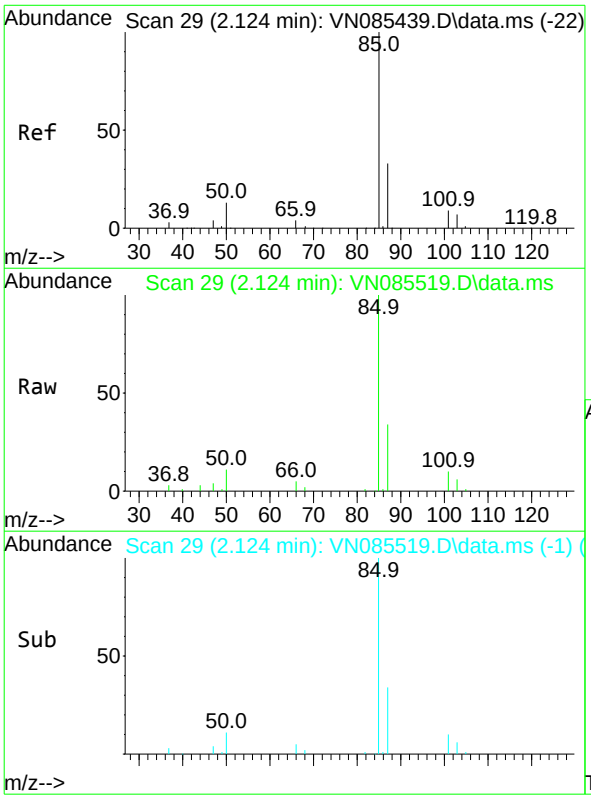
Ion	Ratio	Lower	Upper
168	100		
99	64.3	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations APPROVED

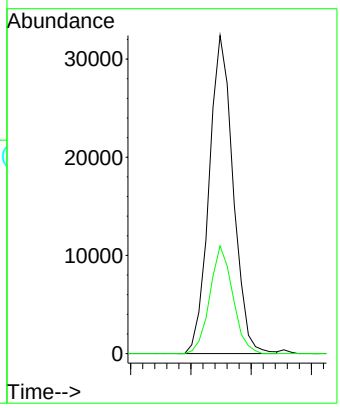
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

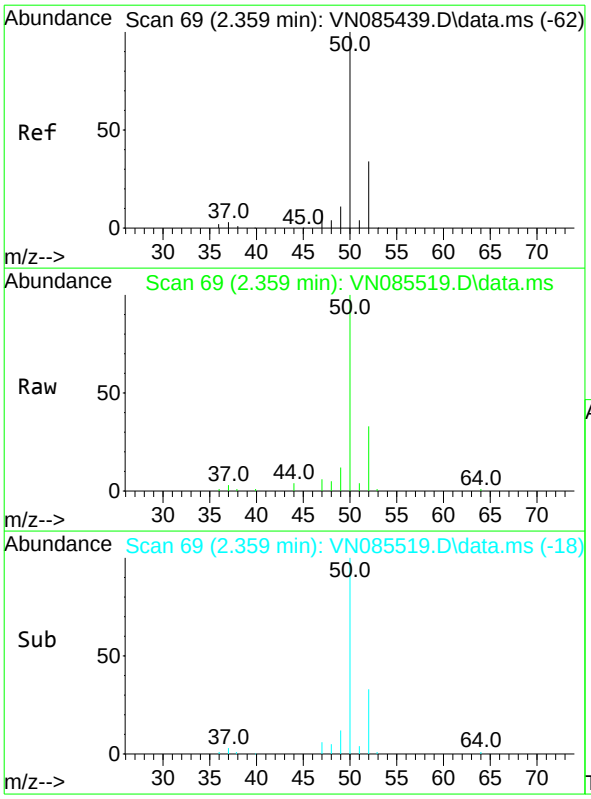


#2
Dichlorodifluoromethane
Concen: 15.909 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 85 Resp: 44950

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.7	50.1

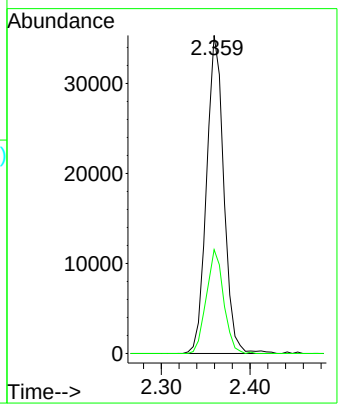




#3
Chloromethane
Concen: 15.594 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 50 Resp: 47704

Ion	Ratio	Lower	Upper
50	100		
52	32.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
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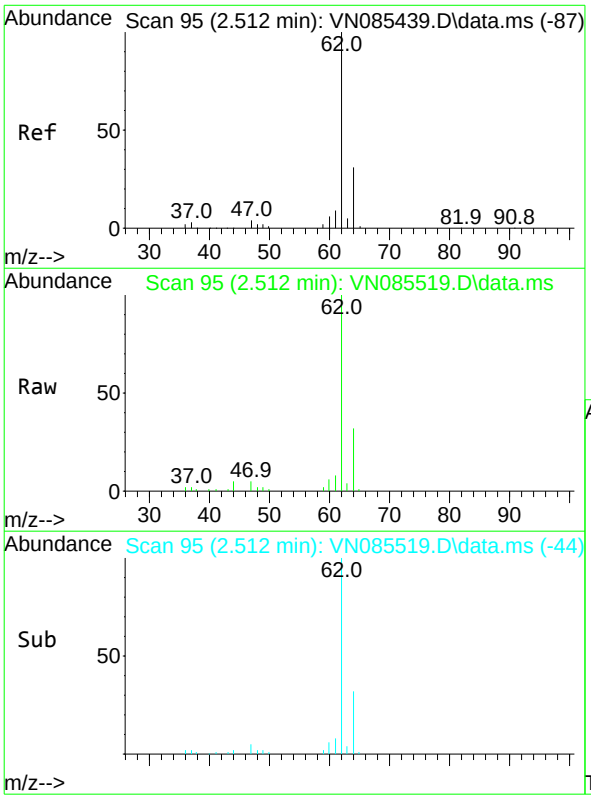
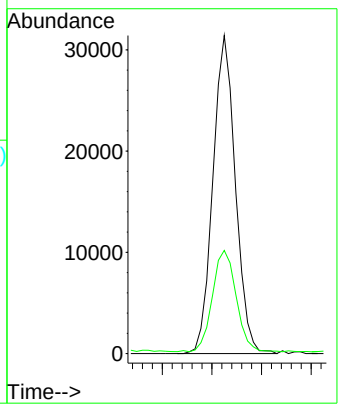
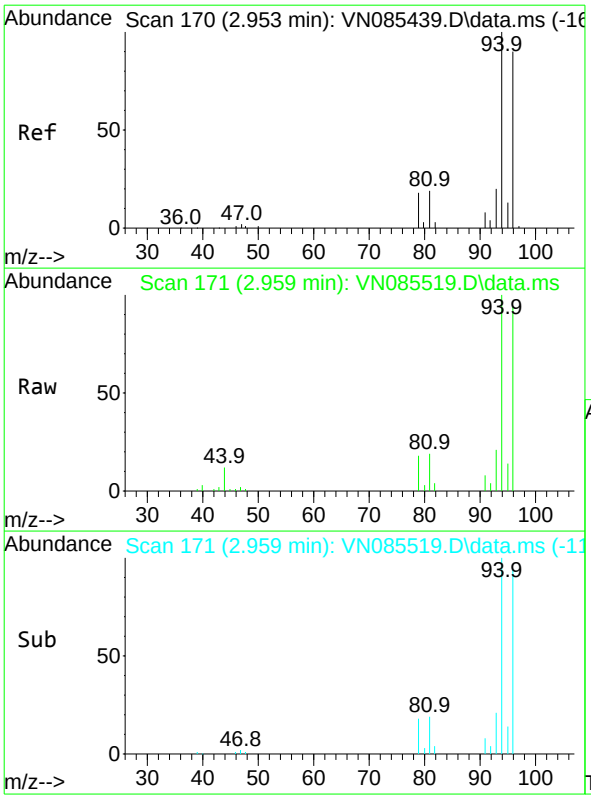


#4
Vinyl Chloride
Concen: 16.100 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 62 Resp: 49504

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.8	37.2





#5
Bromomethane
Concen: 16.747 ug/l
RT: 2.959 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

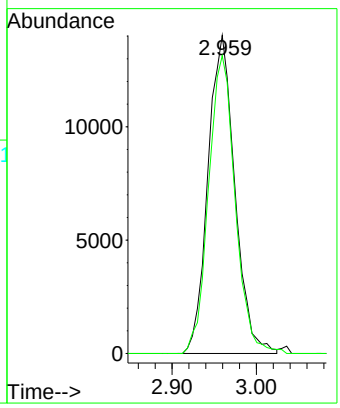
Tgt Ion: 94 Resp: 31105

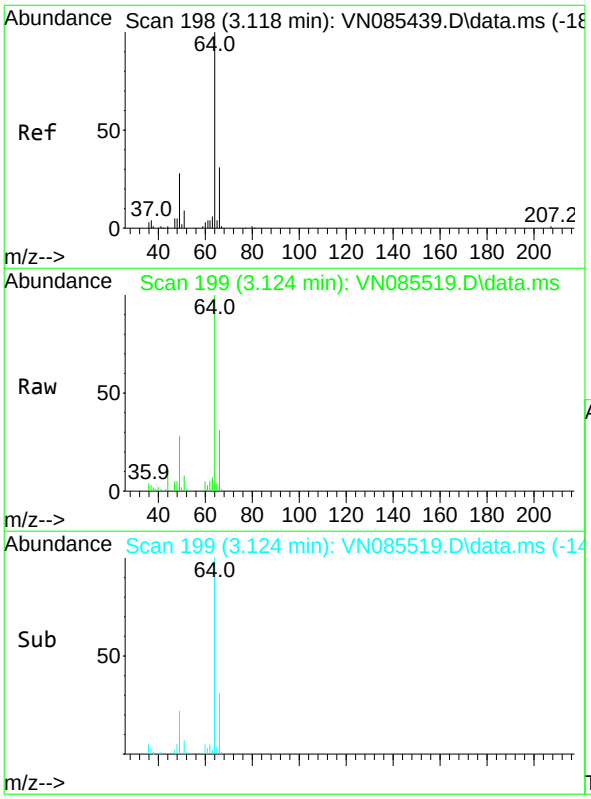
Ion	Ratio	Lower	Upper
94	100		
96	93.6	71.8	107.6

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

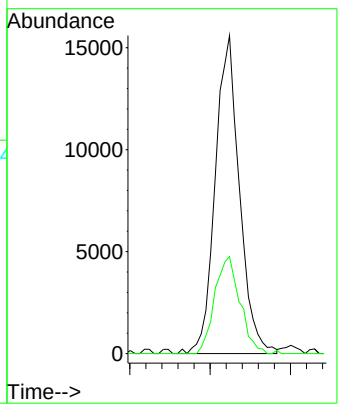




#6
Chloroethane
Concen: 16.765 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

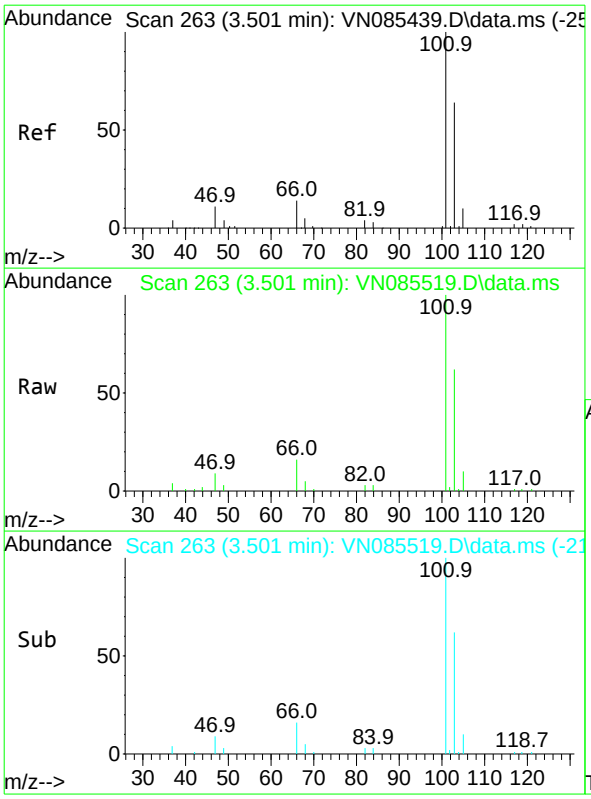
Tgt Ion: 64 Resp: 32682

Ion	Ratio	Lower	Upper
64	100		
66	30.5	24.6	36.8



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

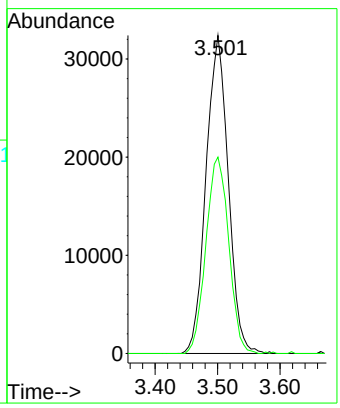
Manual Integrations
APPROVED
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

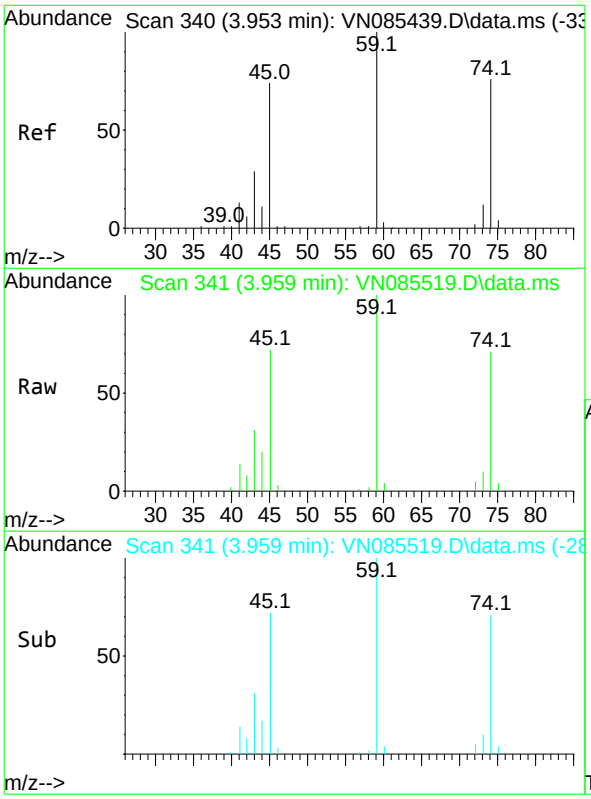


#7
Trichlorofluoromethane
Concen: 17.912 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:101 Resp: 79914

Ion	Ratio	Lower	Upper
101	100		
103	61.8	51.4	77.2

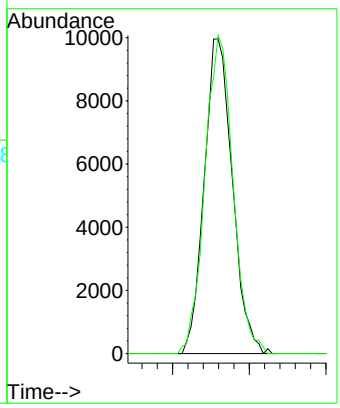


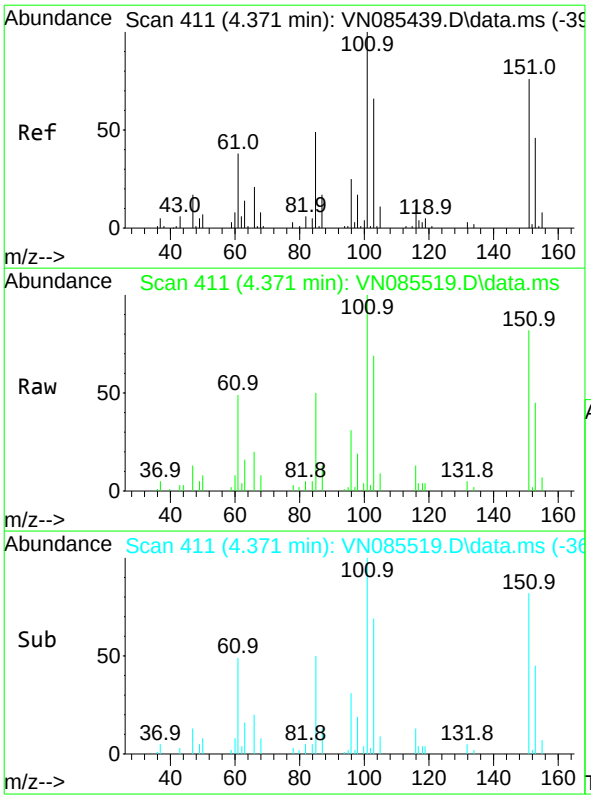


#8
Diethyl Ether
Concen: 16.499 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 74 Resp: 25429

Ion	Ratio	Lower	Upper
74	100		
45	101.0	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.511 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:101 Resp: 44004

Ion	Ratio	Lower	Upper
101	100		
85	48.2	37.8	56.8
151	75.5	58.8	88.2

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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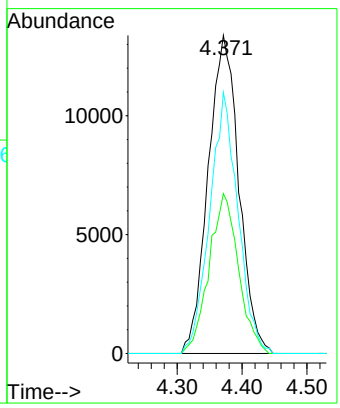
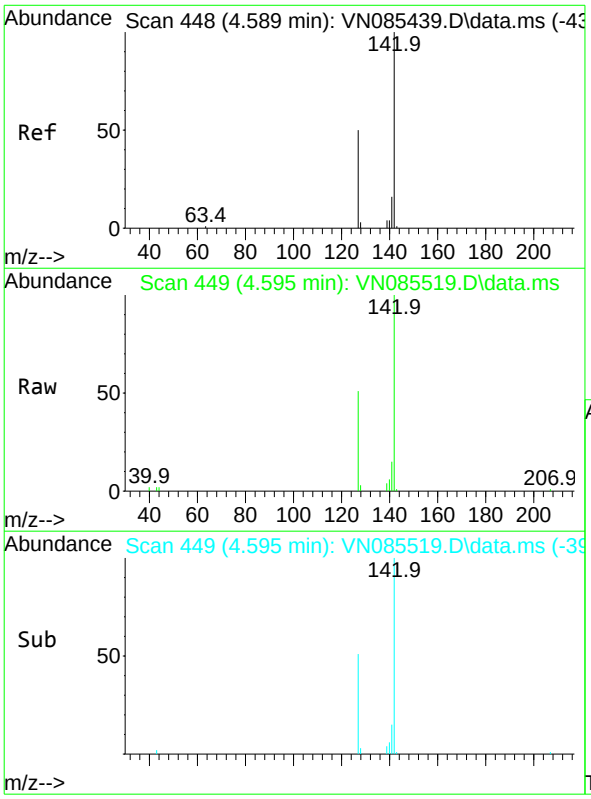
Supervised By :Mahesh Dadoda 01/28/2025

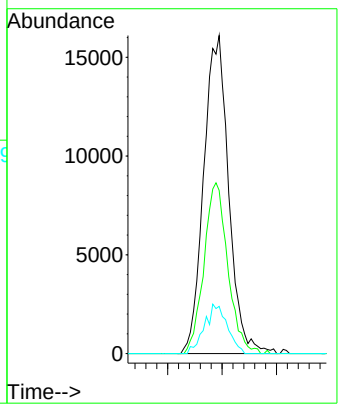


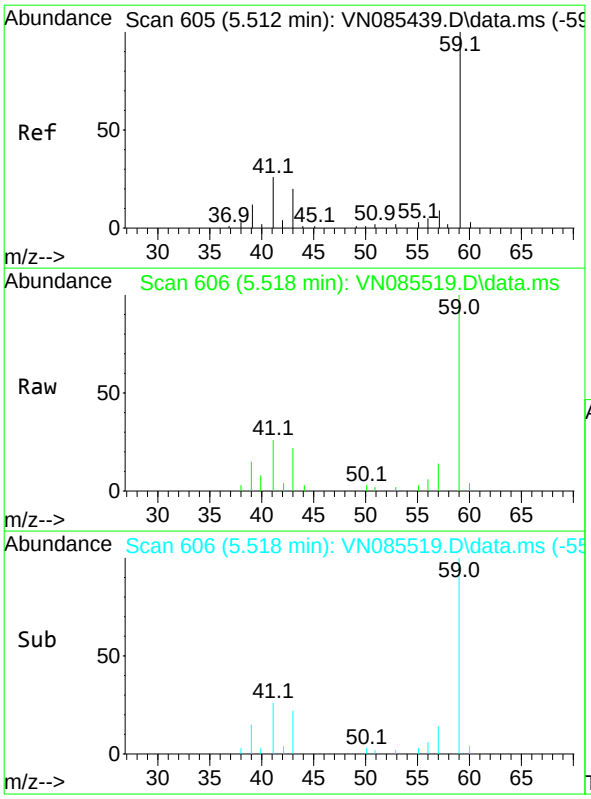


#10
Methyl Iodide
Concen: 17.850 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:142 Resp: 51366

Ion	Ratio	Lower	Upper
142	100		
127	51.3	40.3	60.5
141	14.8	12.8	19.2

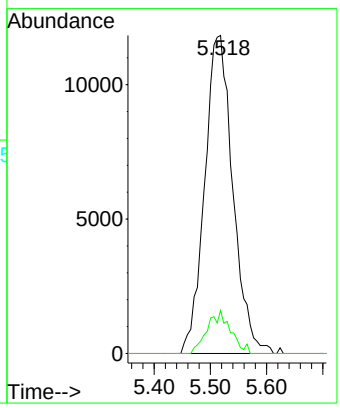




#11
Tert butyl alcohol
Concen: 106.814 ug/l
RT: 5.518 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 59 Resp: 41199

Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.6	13.0#



Instrument :
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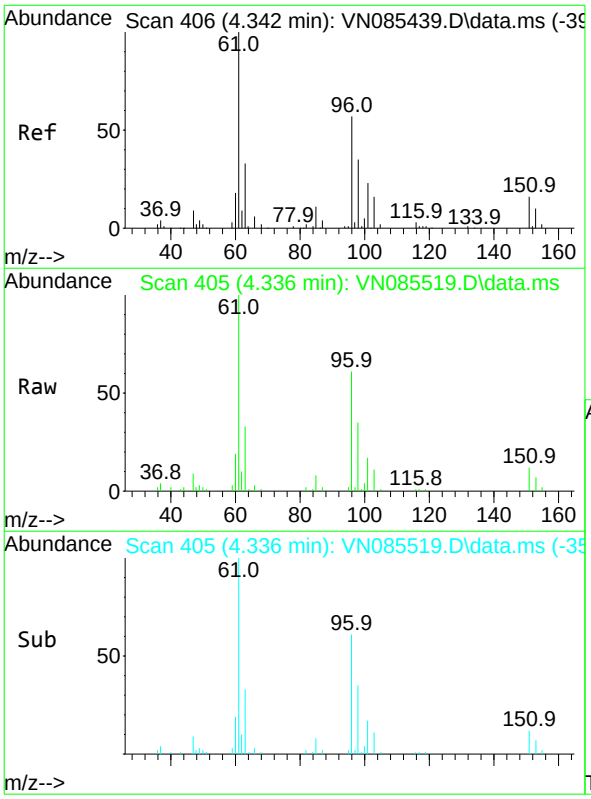
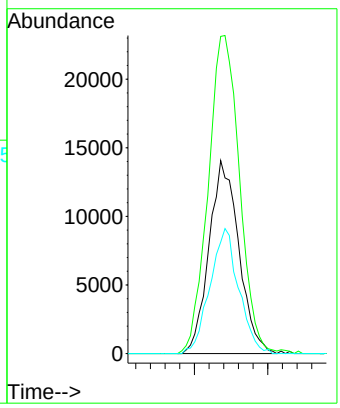
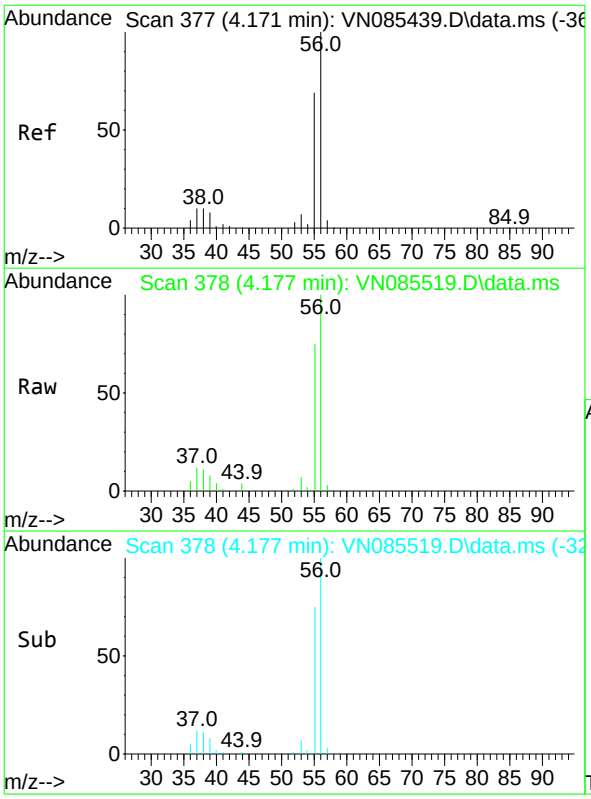


#12
1,1-Dichloroethene
Concen: 17.733 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 96 Resp: 39715

Ion	Ratio	Lower	Upper
96	100		
61	164.4	141.0	211.4
98	57.8	49.0	73.6

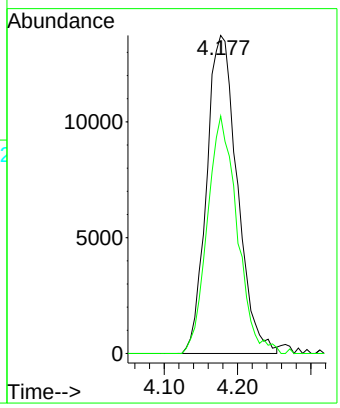




#13
Acrolein
Concen: 75.723 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 56 Resp: 39870

Ion	Ratio	Lower	Upper
56	100		
55	72.7	56.3	84.5



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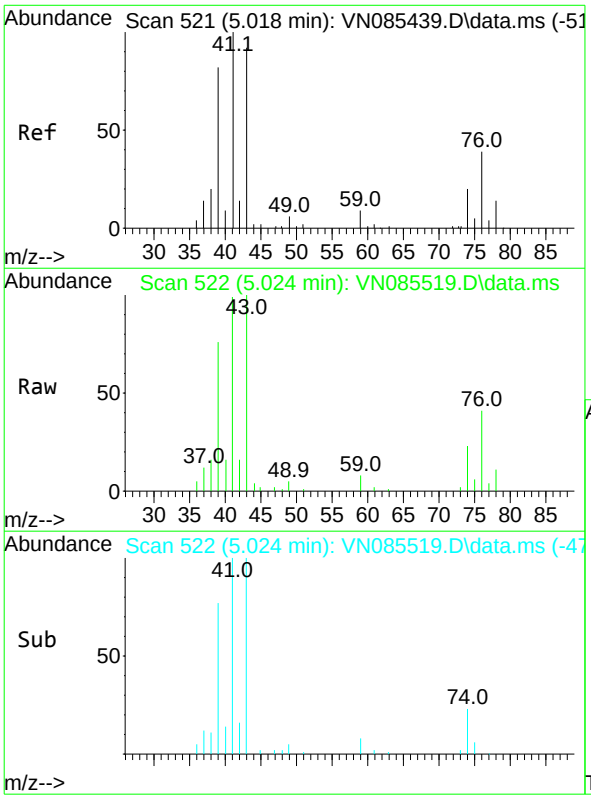
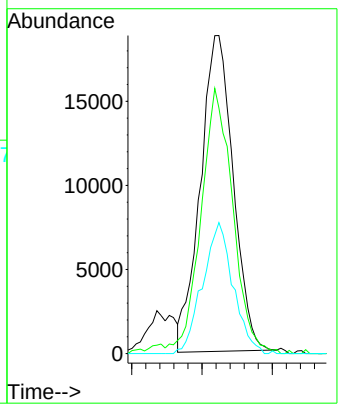
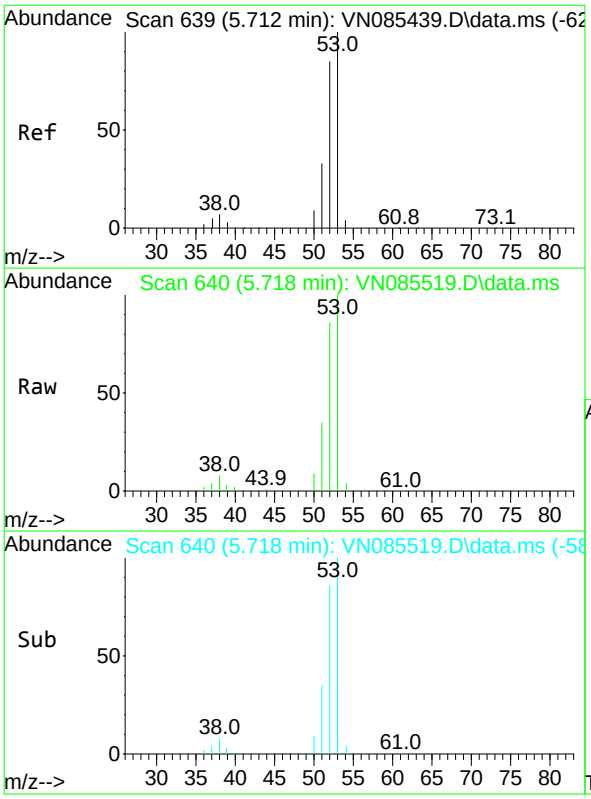


#14
Allyl chloride
Concen: 16.781 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 41 Resp: 60984

Ion	Ratio	Lower	Upper
41	100		
39	81.3	64.4	96.6
76	38.4	30.5	45.7

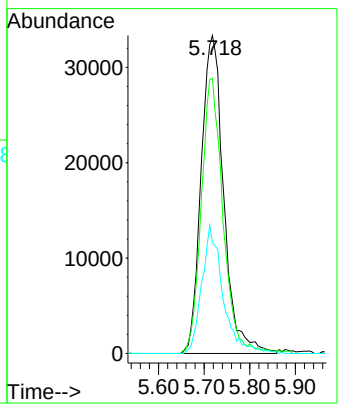




#15
Acrylonitrile
Concen: 93.401 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 53 Resp: 114428

Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.5	98.3
51	37.8	29.8	44.8



Instrument :
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ClientSampleId :
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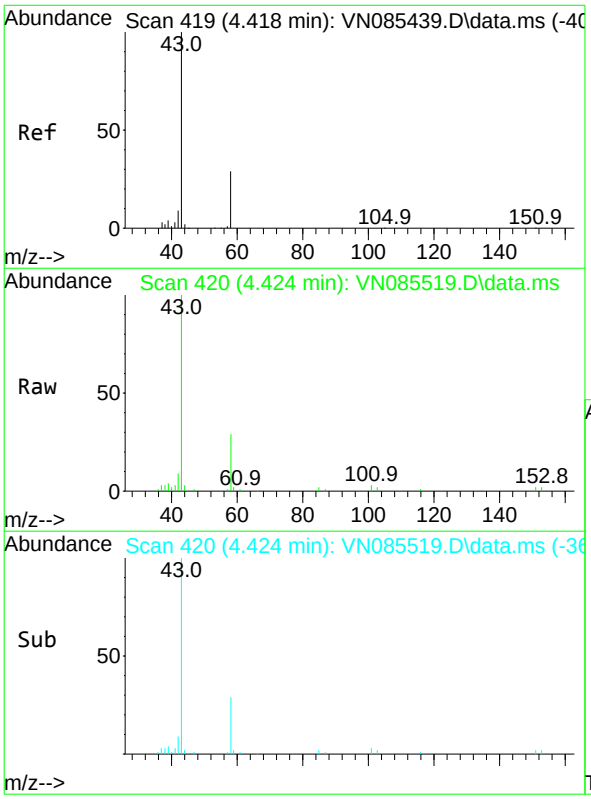
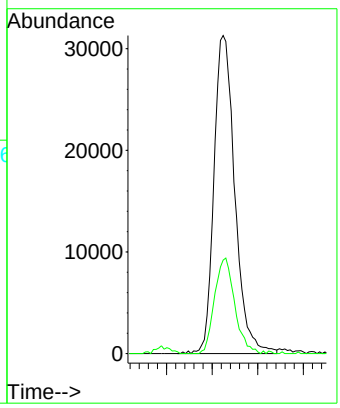
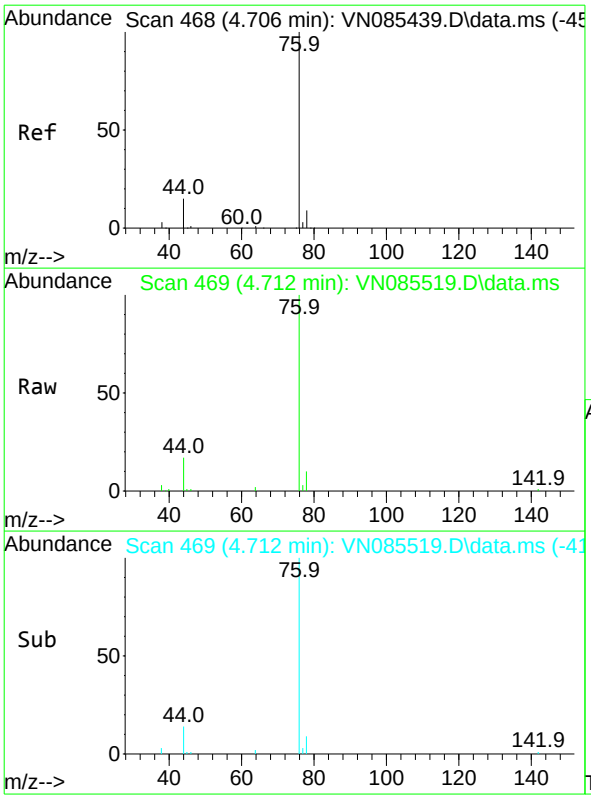


#16
Acetone
Concen: 91.444 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 43 Resp: 99525

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.8	35.6

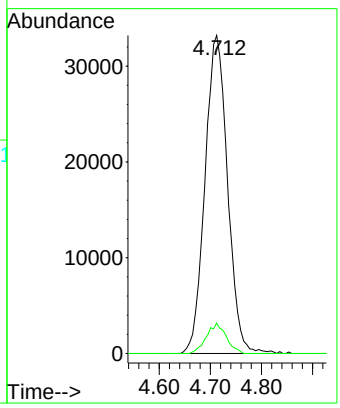




#17
Carbon Disulfide
Concen: 14.774 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 76 Resp: 101875

Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.9	10.3



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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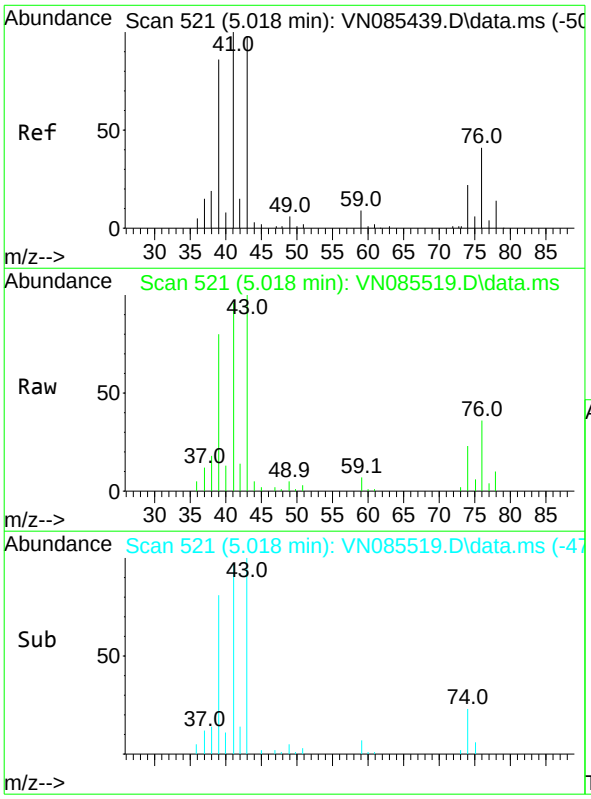
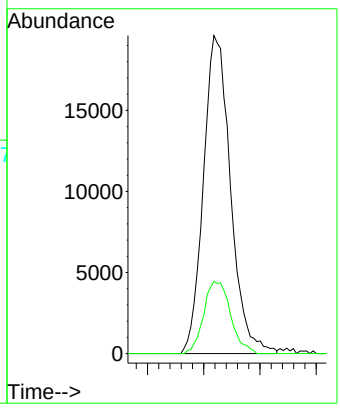


#18
Methyl Acetate
Concen: 19.884 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 43 Resp: 65808

Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.6	28.0



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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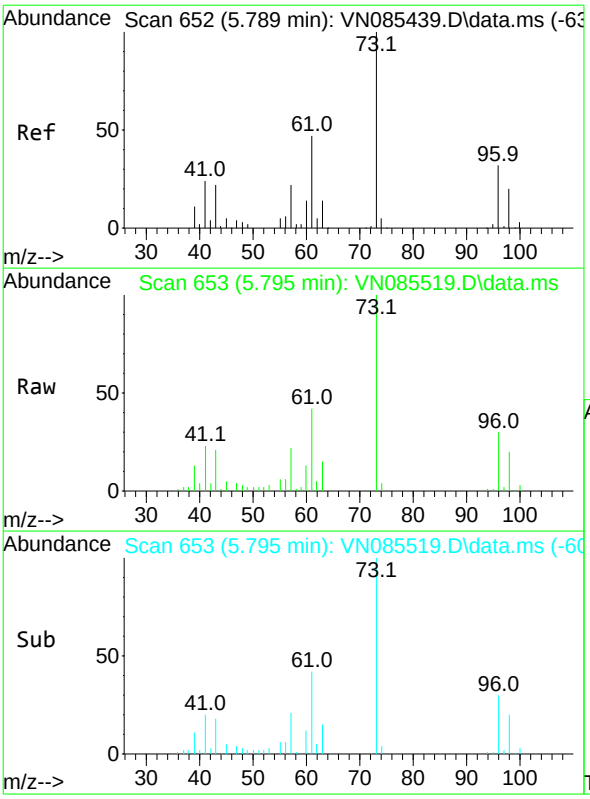
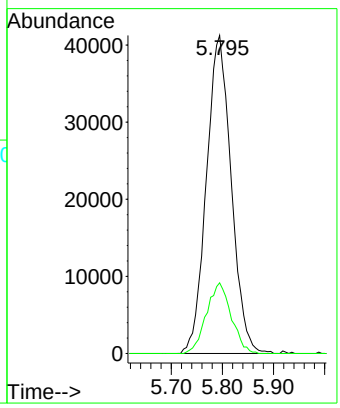
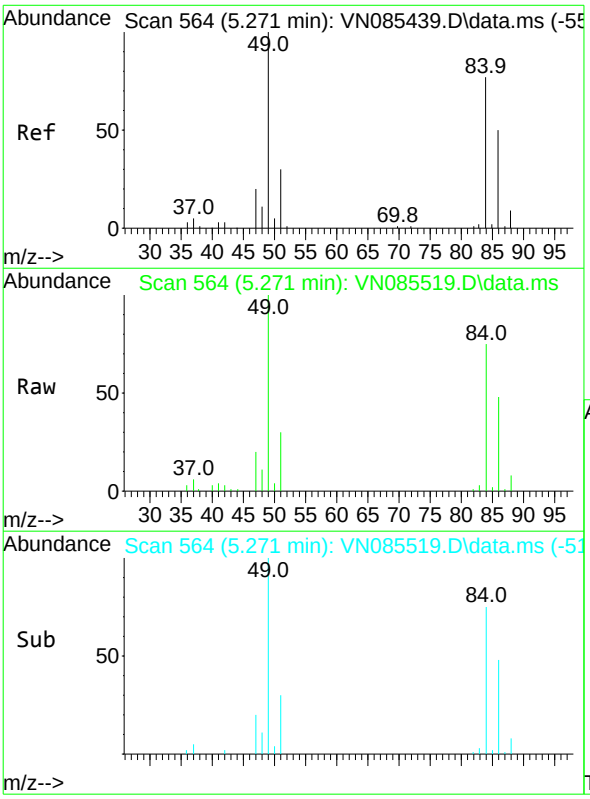


#19
Methyl tert-butyl Ether
Concen: 19.104 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 73 Resp: 138922

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.8	26.8

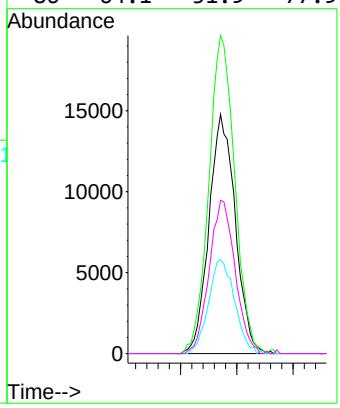


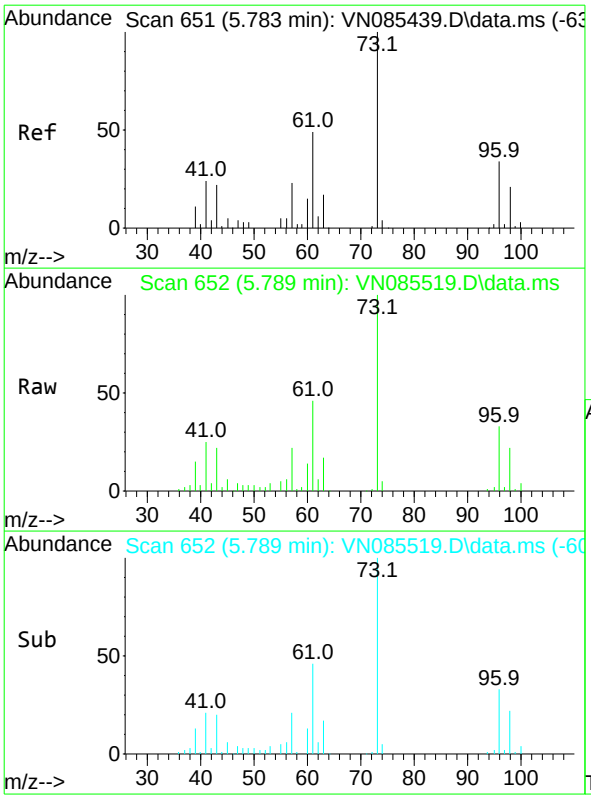


#20
Methylene Chloride
Concen: 17.843 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 84 Resp: 48074

Ion	Ratio	Lower	Upper
84	100		
49	133.0	104.1	156.1
51	39.3	31.0	46.4
86	64.1	51.9	77.9





#21
trans-1,2-Dichloroethene
Concen: 17.413 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 96 Resp: 41676

Ion	Ratio	Lower	Upper
96	100		
61	138.3	115.7	173.5
98	65.0	49.8	74.8

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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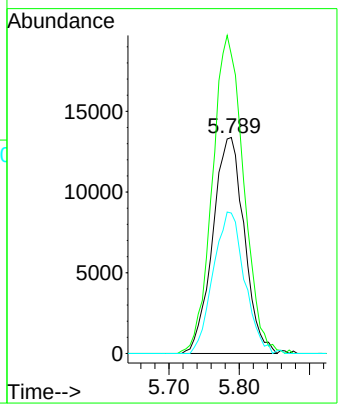
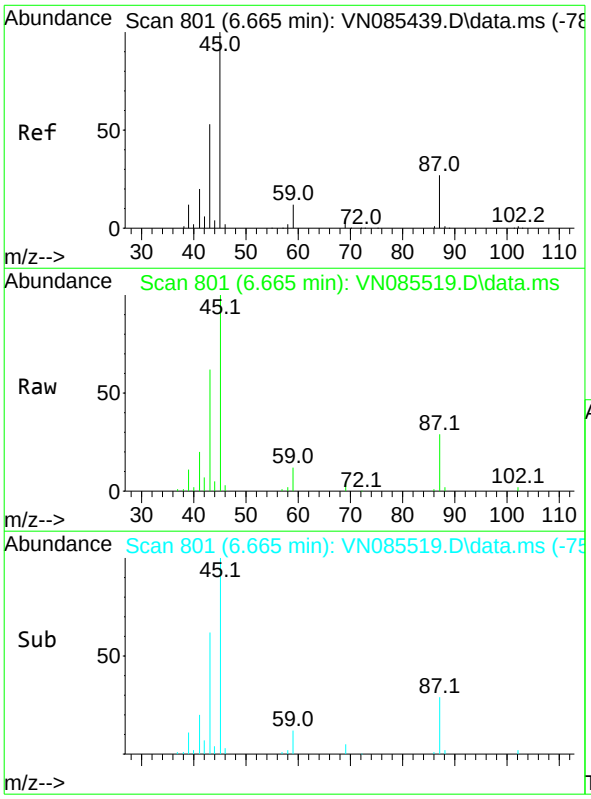
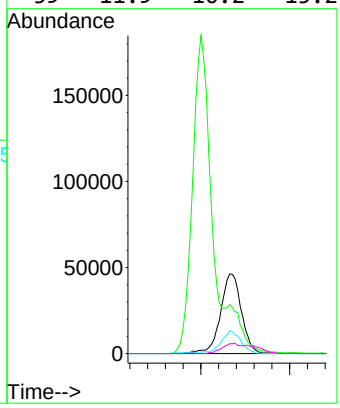


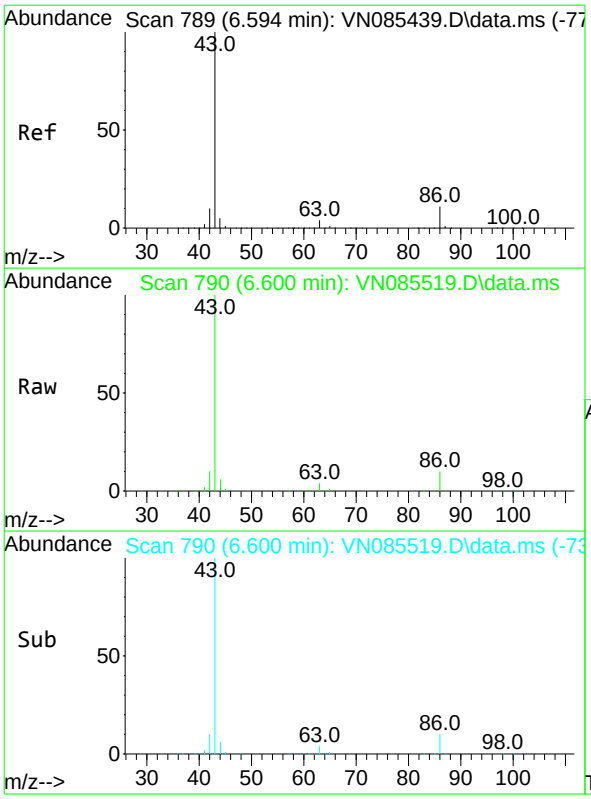


#22
Diisopropyl ether
Concen: 18.798 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 45 Resp: 151624

Ion	Ratio	Lower	Upper
45	100		
43	59.7	45.0	67.6
87	28.8	21.8	32.8
59	11.9	10.2	15.2

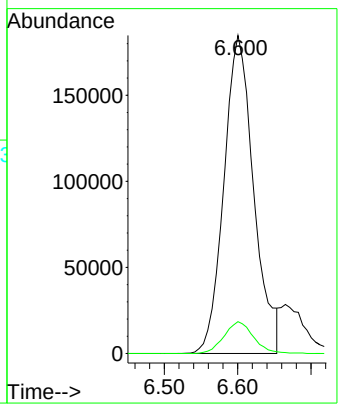




#23
Vinyl Acetate
Concen: 92.509 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 43 Resp: 522202

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.4	12.6



Instrument :
MSVOA_N
ClientSampleId :
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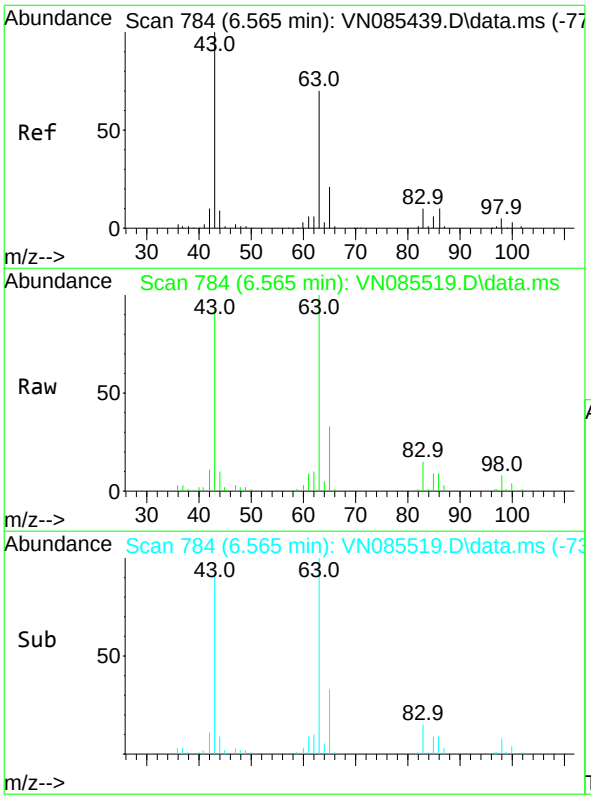
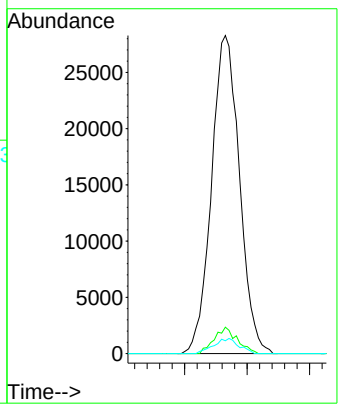
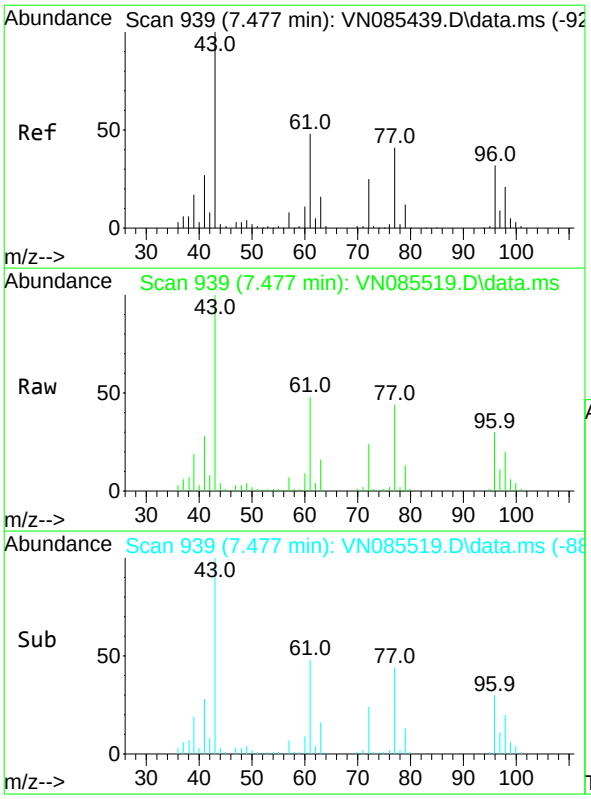


#24
1,1-Dichloroethane
Concen: 17.864 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 63 Resp: 87862

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.3	9.8
100	4.0	2.0	6.0

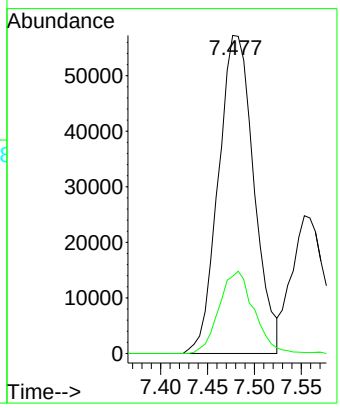




#25
2-Butanone
Concen: 94.455 ug/l
RT: 7.477 min Scan# 93
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 43 Resp: 151283

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.2	30.4



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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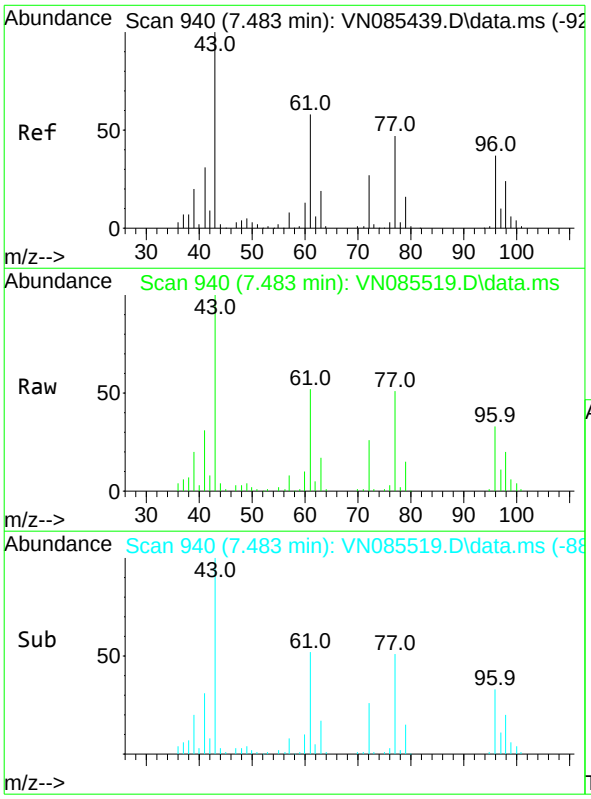
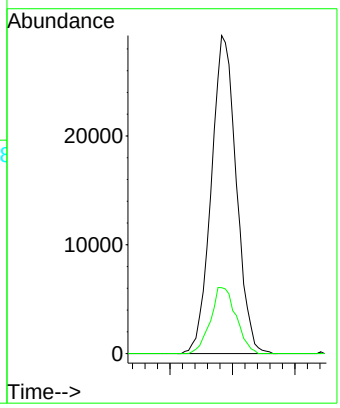
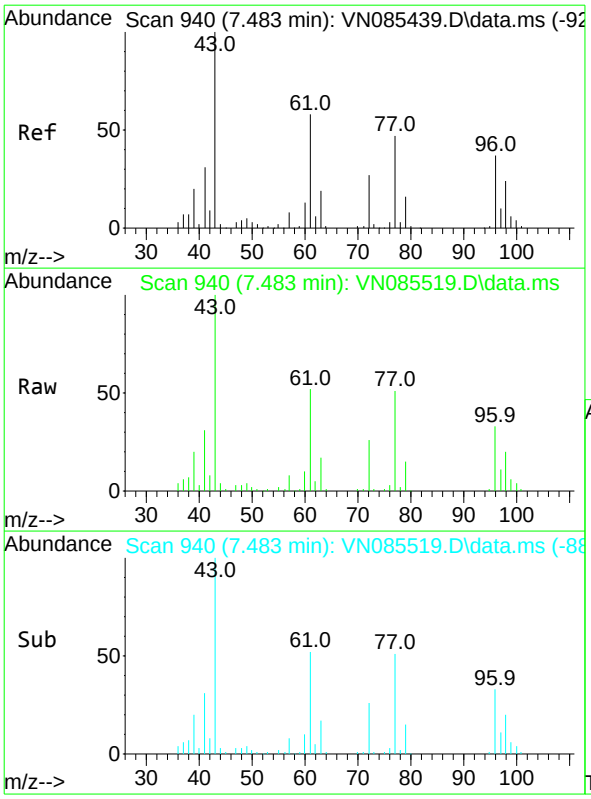


#26
2,2-Dichloropropane
Concen: 20.431 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 77 Resp: 81242

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 17.765 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 96 Resp: 50080

Ion	Ratio	Lower	Upper
96	100		
61	163.0	0.0	311.8
98	64.6	0.0	126.0

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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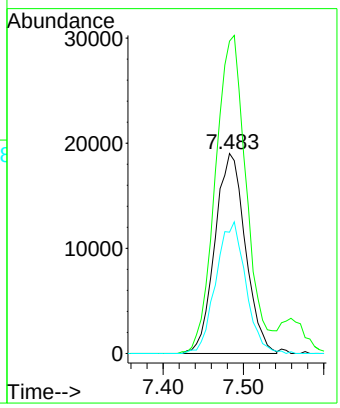
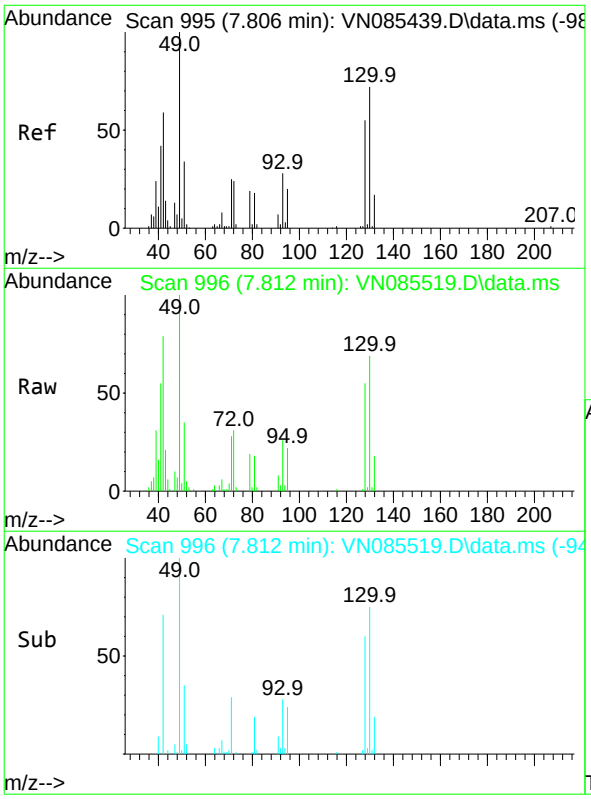
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

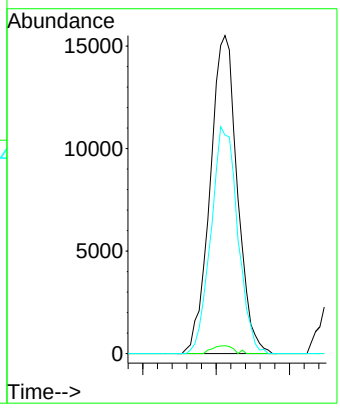


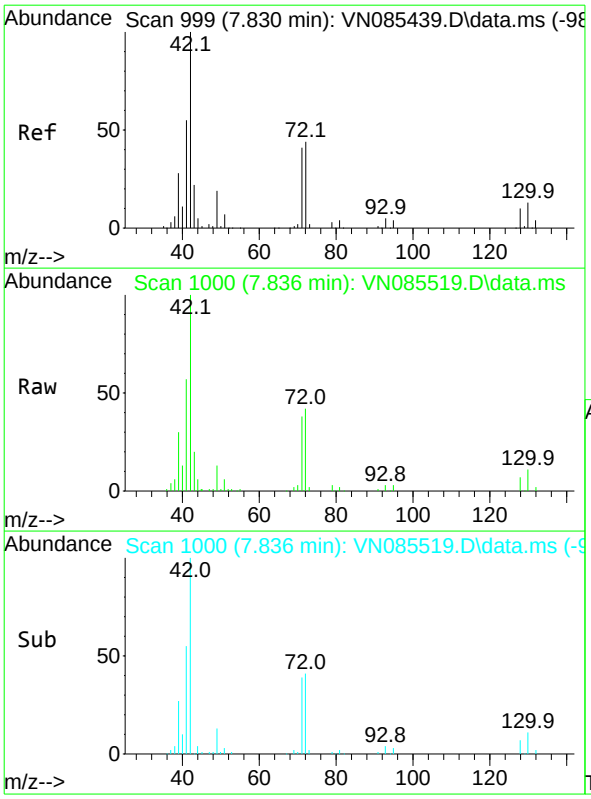


#28
Bromochloromethane
Concen: 17.463 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 49 Resp: 39958

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	70.0	55.0	82.4

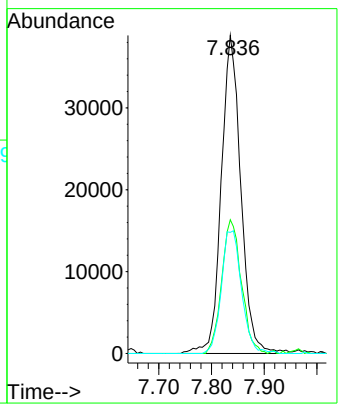




#29
Tetrahydrofuran
Concen: 98.382 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 42 Resp: 99901

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.2	51.2
71	40.1	32.5	48.7



Instrument :
MSVOA_N
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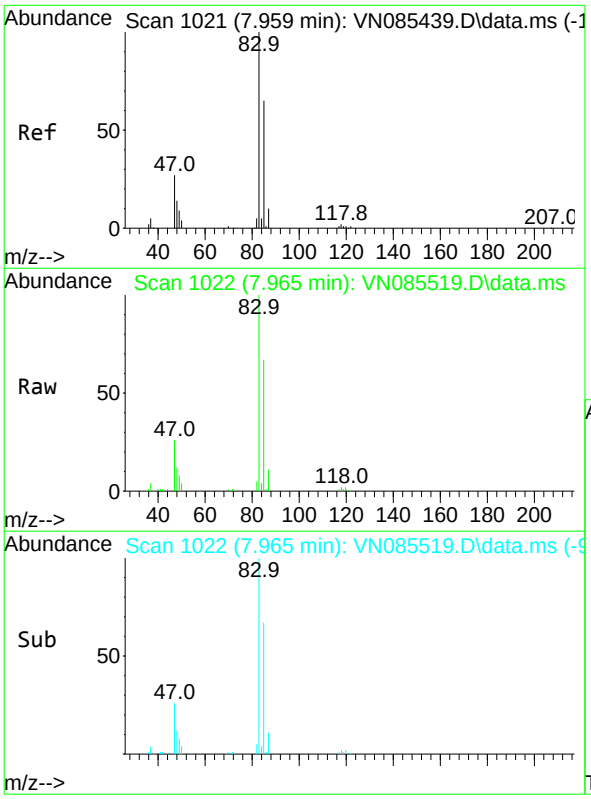
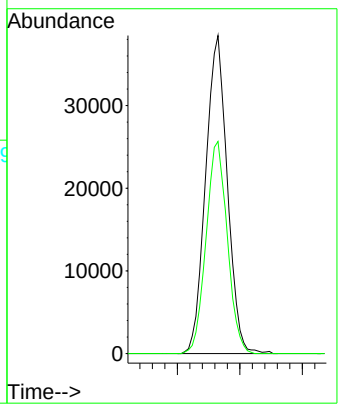
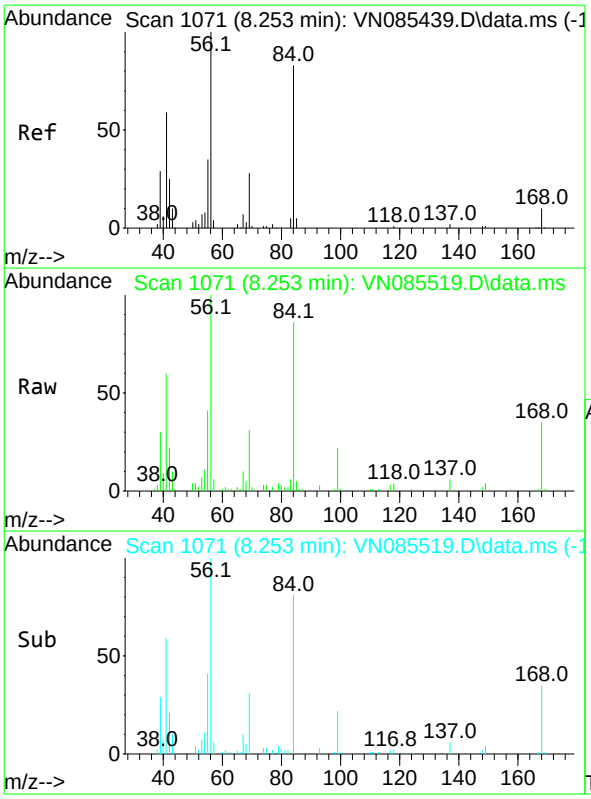


#30
Chloroform
Concen: 18.263 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 83 Resp: 92835

Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.8	77.6

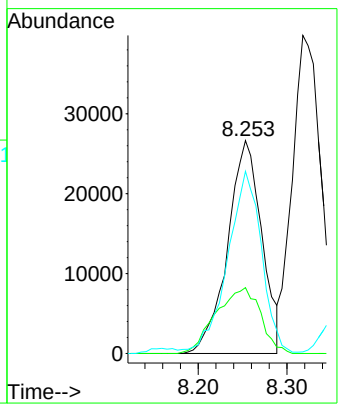




#31
Cyclohexane
Concen: 16.678 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 56 Resp: 71296

Ion	Ratio	Lower	Upper
56	100		
69	30.9	22.2	33.4
84	84.0	66.4	99.6



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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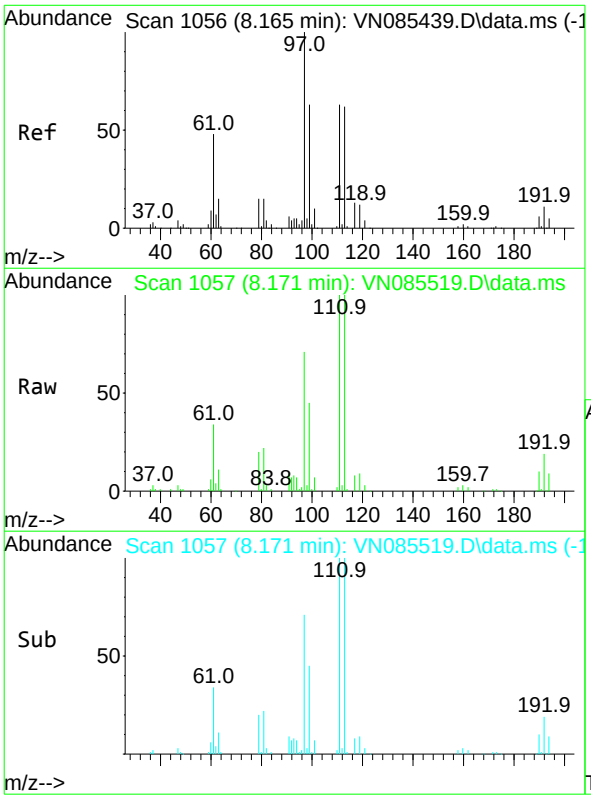
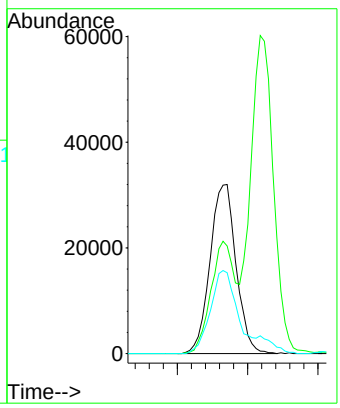
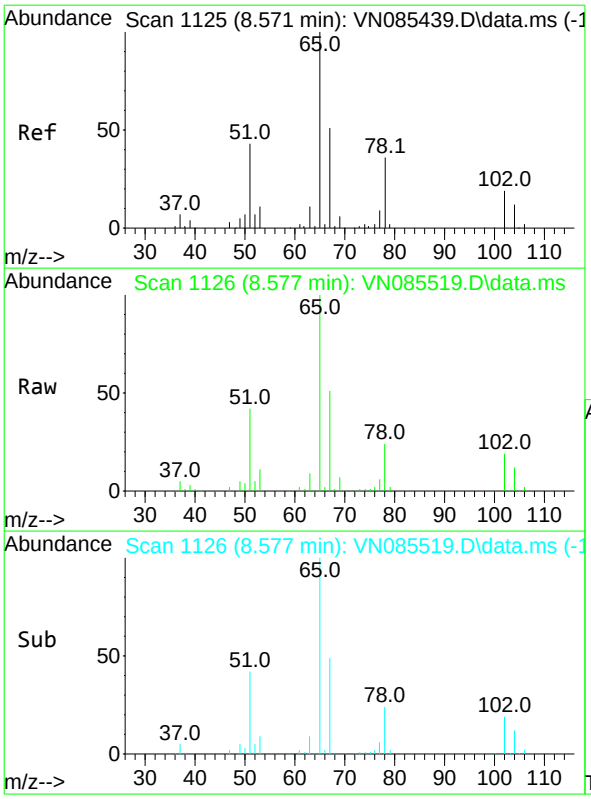


#32
1,1,1-Trichloroethane
Concen: 18.461 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 97 Resp: 82314

Ion	Ratio	Lower	Upper
97	100		
99	63.1	49.8	74.6
61	57.1	41.4	62.2





#33
1,2-Dichloroethane-d4
Concen: 47.278 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 65 Resp: 159253

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.6

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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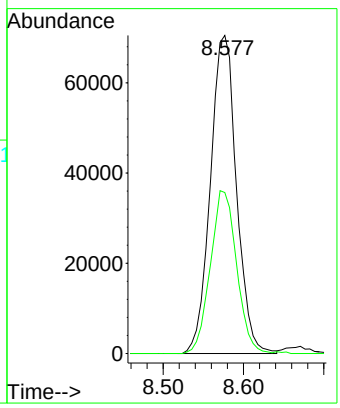
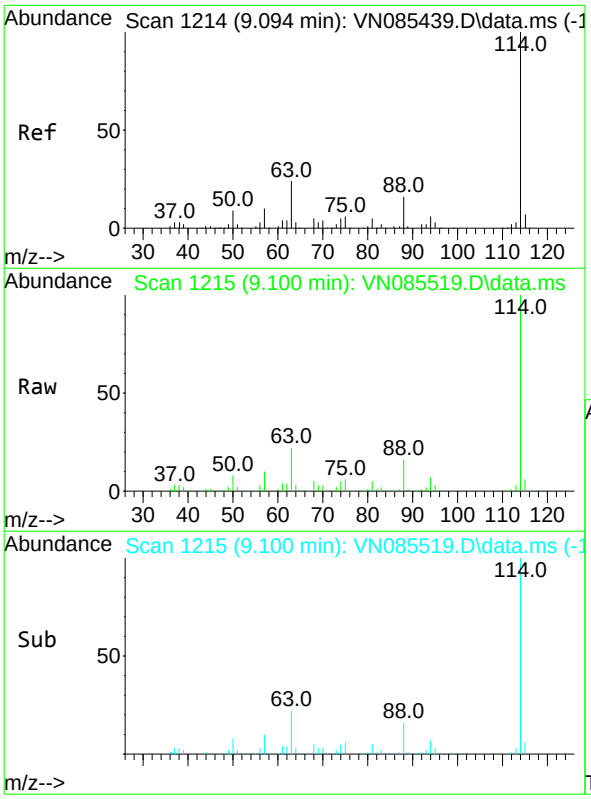
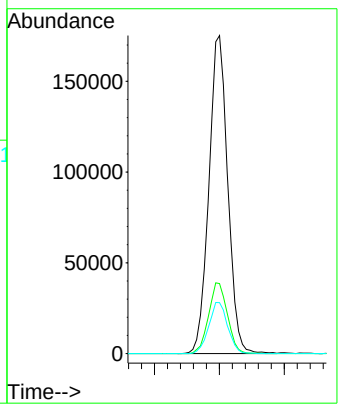


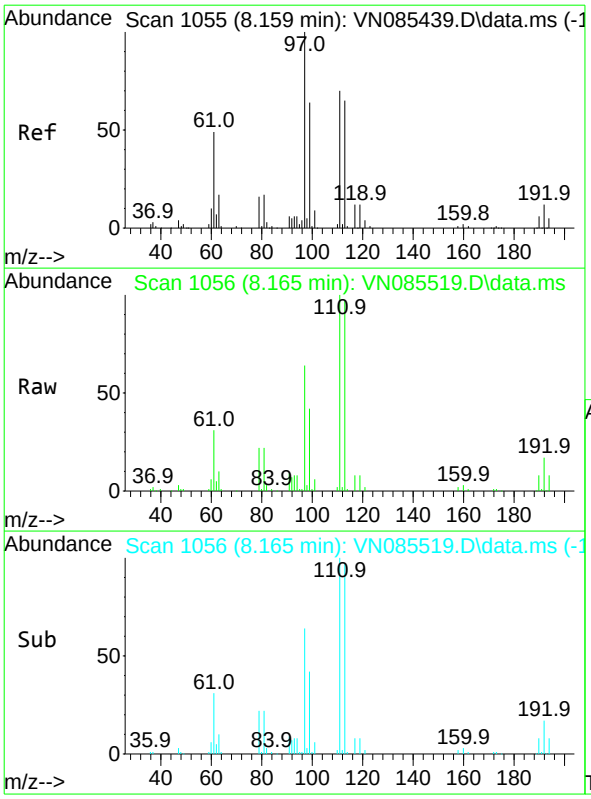


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:114 Resp: 353856

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	47.6
88	16.0	0.0	32.6

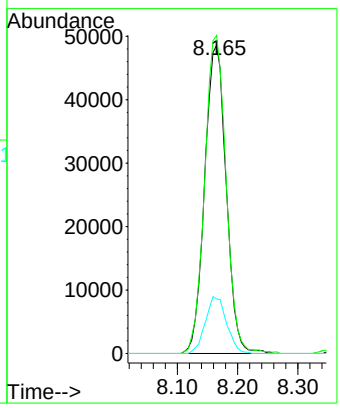




#35
Dibromofluoromethane
Concen: 49.081 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:113 Resp: 120488

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.7	124.1
192	18.2	14.3	21.5



Instrument :
MSVOA_N
ClientSampleId :
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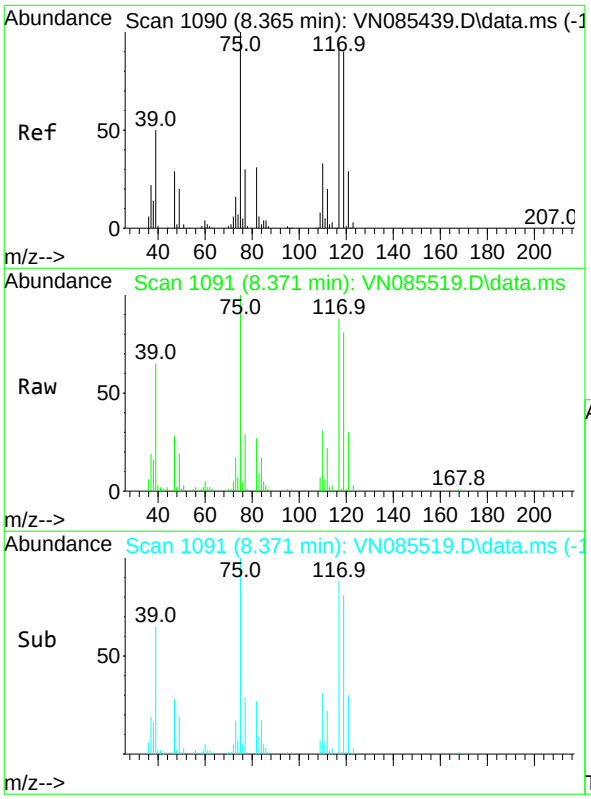
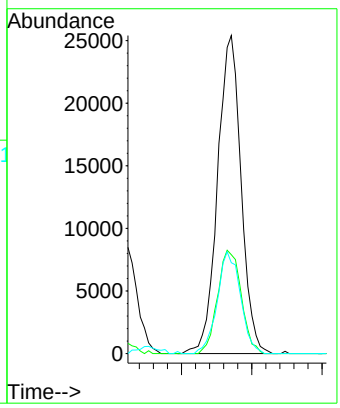
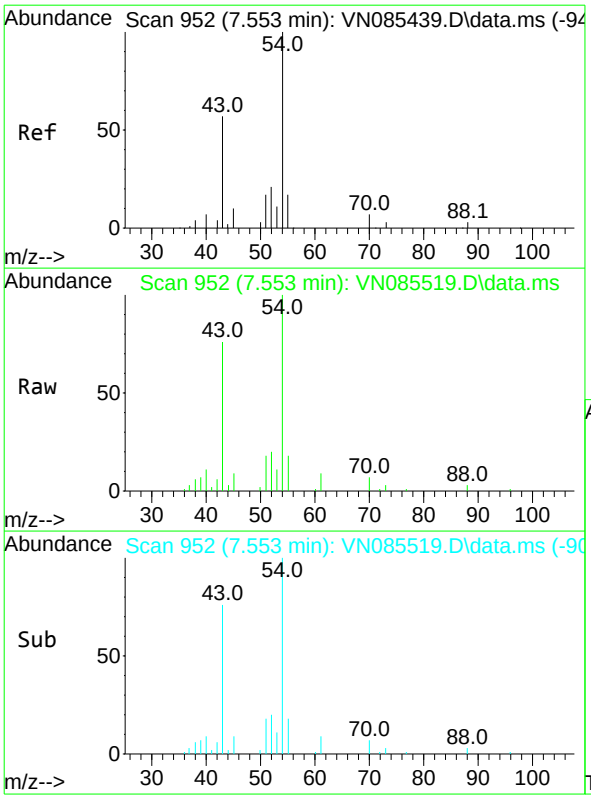


#36
1,1-Dichloropropene
Concen: 17.139 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 75 Resp: 59051

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.5	49.5
77	31.5	24.4	36.6





#37
Ethyl Acetate
Concen: 18.532 ug/l
RT: 7.553 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 43 Resp: 64447

Ion	Ratio	Lower	Upper
43	100		
61	10.7	10.9	16.3#
70	9.8	7.5	11.3

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations
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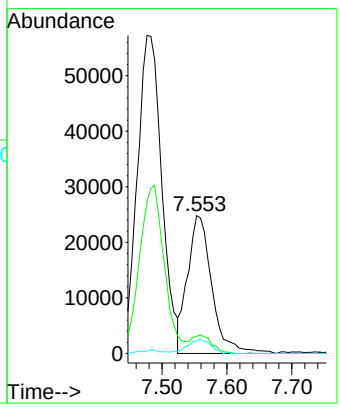
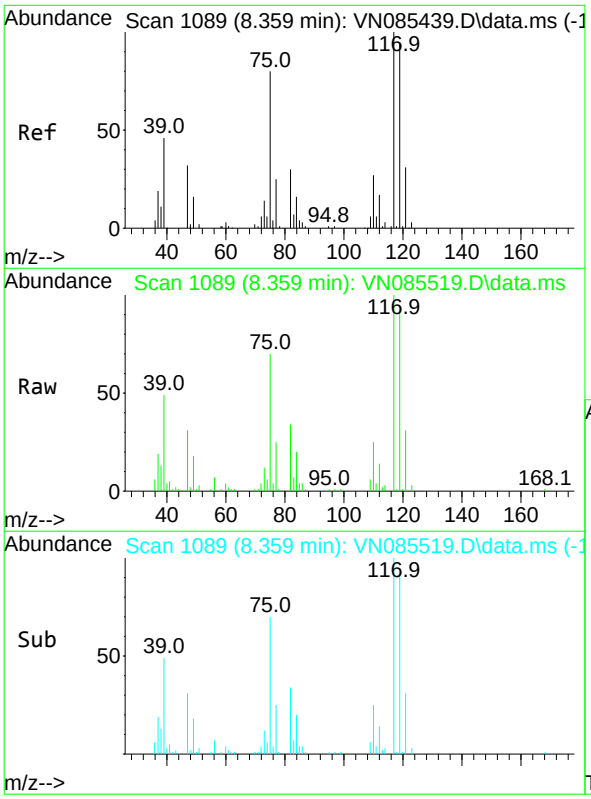
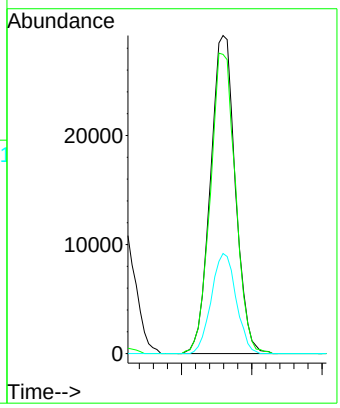


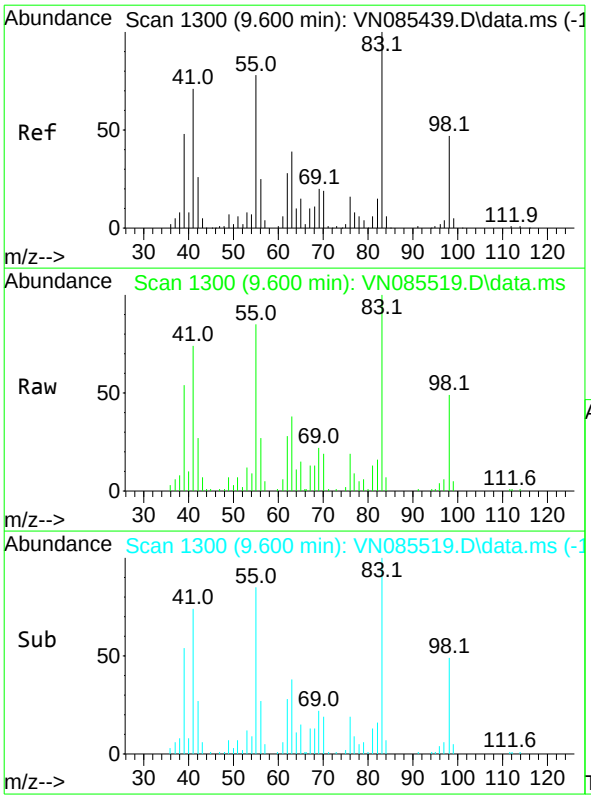


#38
Carbon Tetrachloride
Concen: 18.177 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:117 Resp: 71696

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.4	113.2
121	31.5	24.6	37.0





#39
Methylcyclohexane
Concen: 17.342 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 83 Resp: 56147

Ion	Ratio	Lower	Upper
83	100		
55	85.4	62.6	94.0
98	49.1	37.7	56.5

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations
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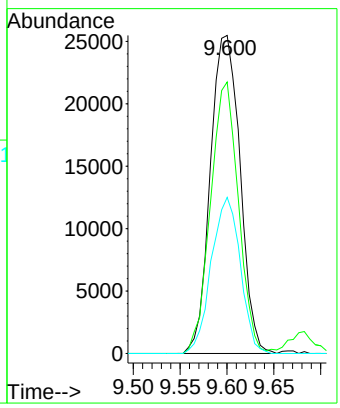
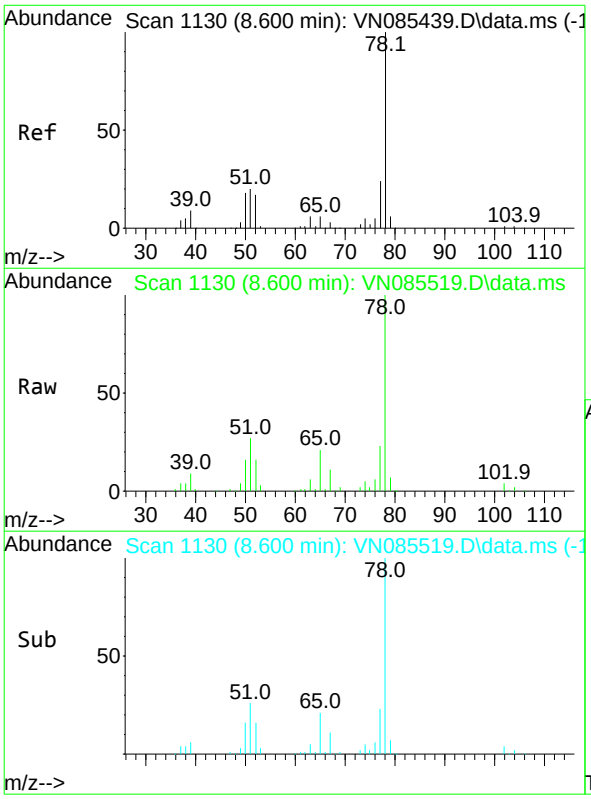
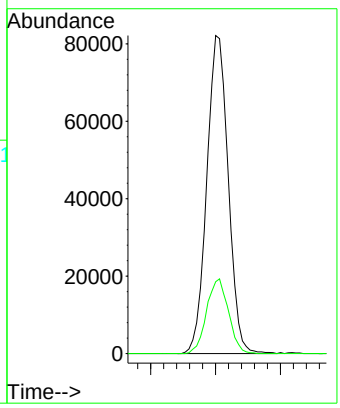


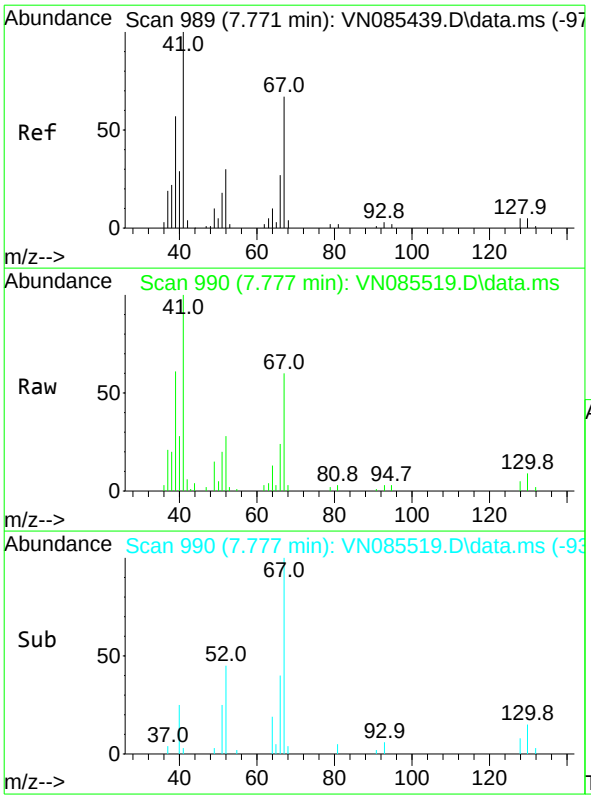


#40
Benzene
Concen: 18.216 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 78 Resp: 188579

Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.0	28.6

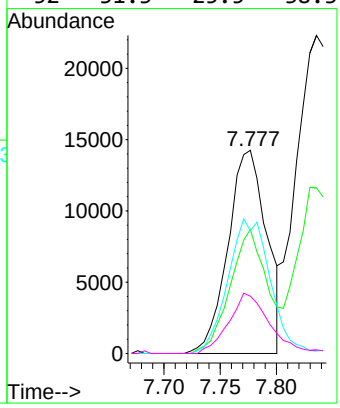




#41
Methacrylonitrile
Concen: 18.887 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 41 Resp: 34171

Ion	Ratio	Lower	Upper
41	100		
39	60.3	46.0	69.0
67	72.5	57.4	86.2
52	31.3	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
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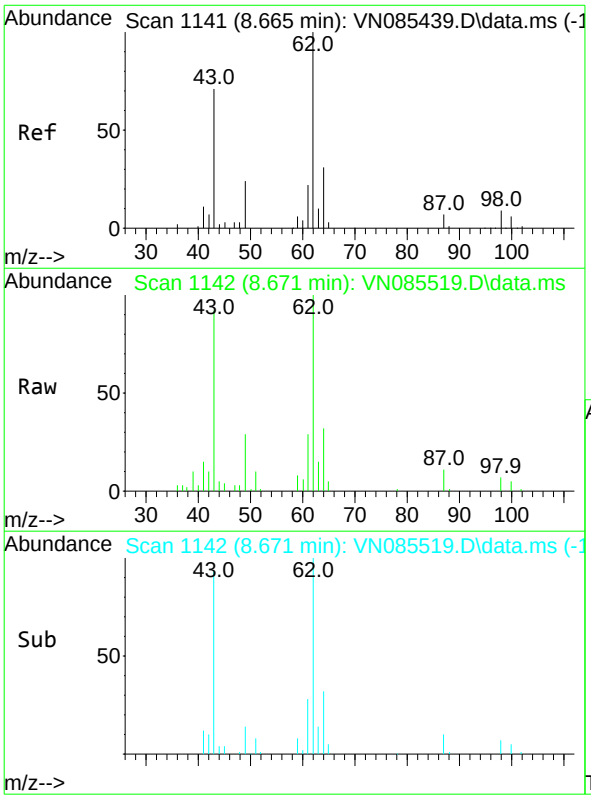
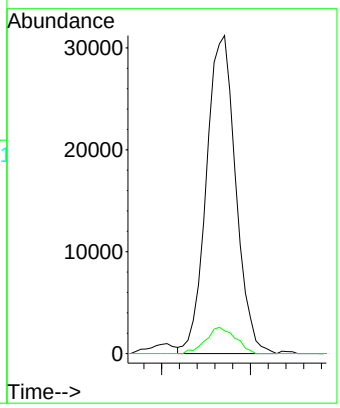
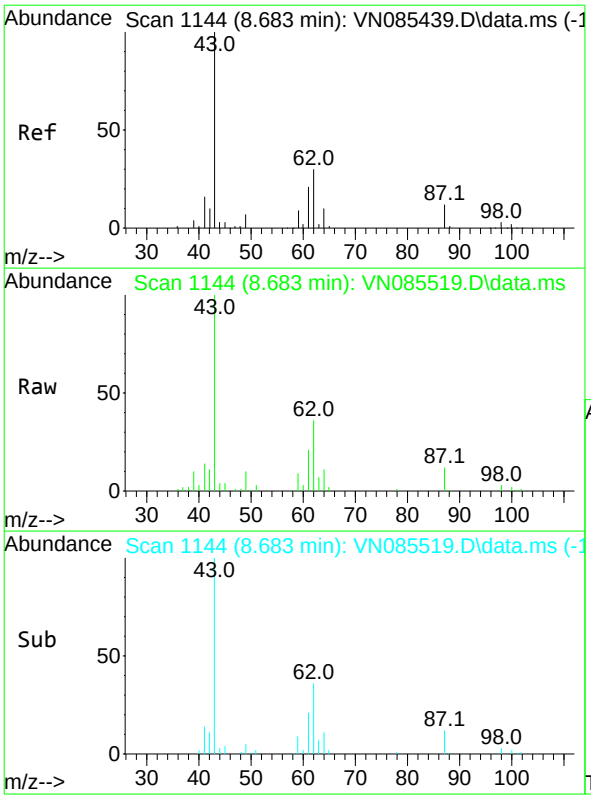


#42
1,2-Dichloroethane
Concen: 18.390 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 62 Resp: 71703

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0





#43
Isopropyl Acetate
Concen: 18.880 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 43 Resp: 105207

Ion	Ratio	Lower	Upper
43	100		
61	25.2	20.7	31.1
87	12.6	9.8	14.8

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations
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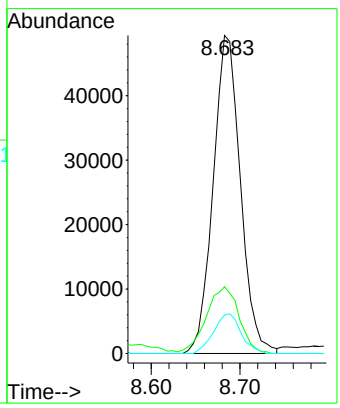
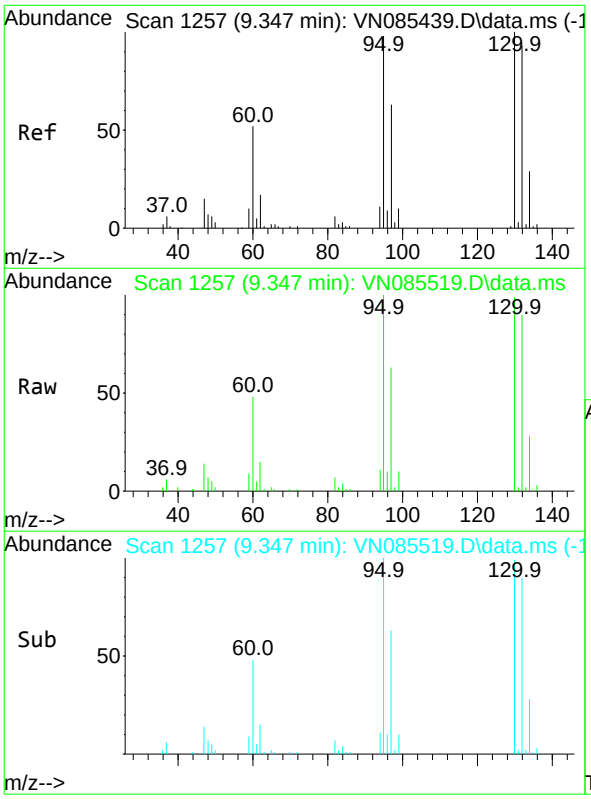
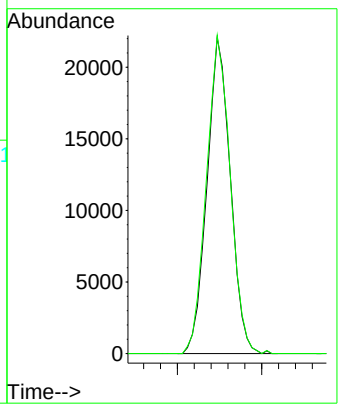


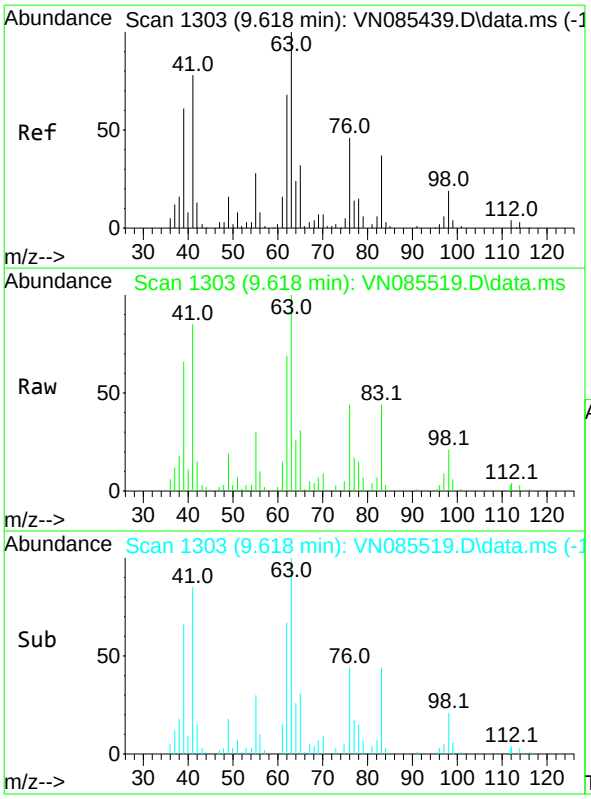


#44
Trichloroethene
Concen: 17.653 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:130 Resp: 42540

Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	195.8

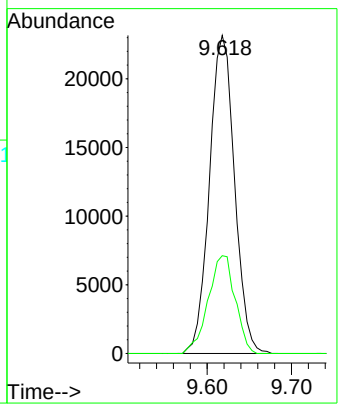




#45
1,2-Dichloropropane
Concen: 18.105 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 63 Resp: 47873

Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
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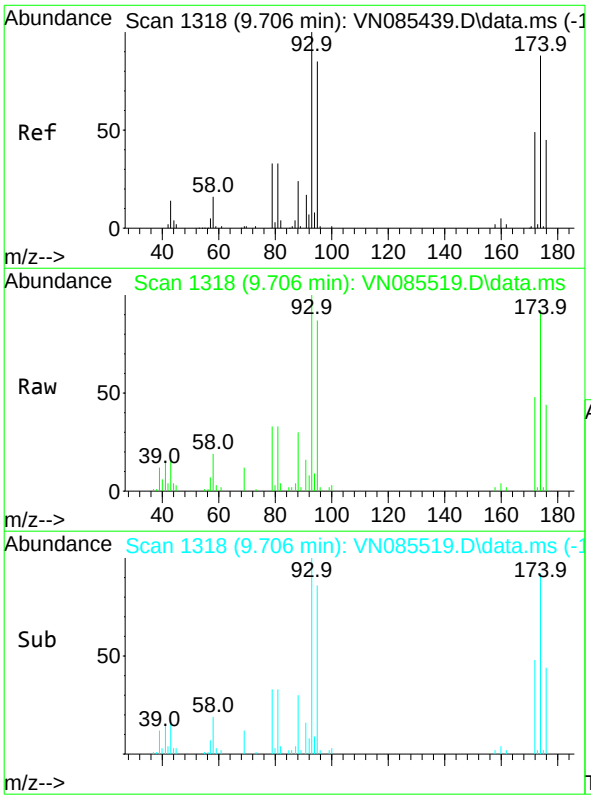
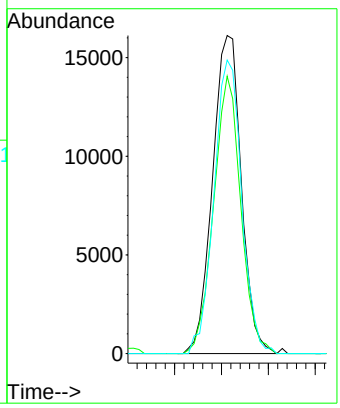
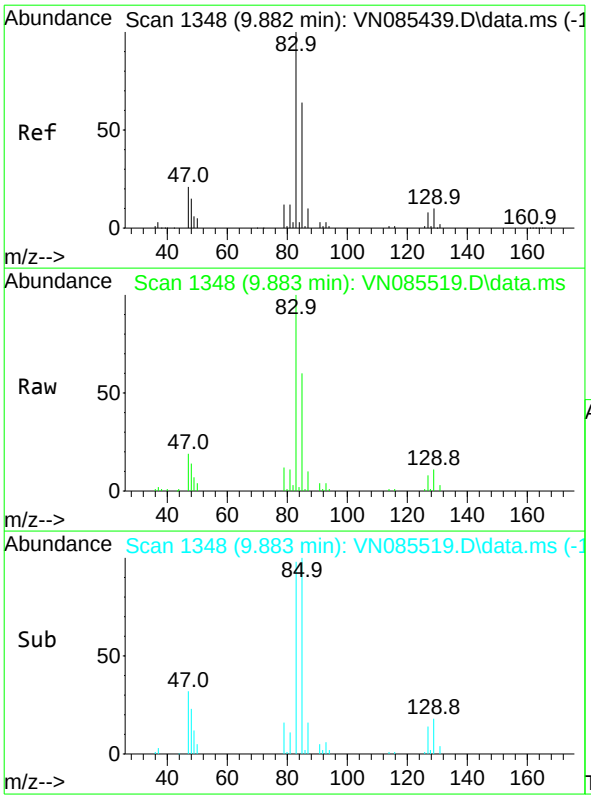


#46
Dibromomethane
Concen: 18.011 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 93 Resp: 34364

Ion	Ratio	Lower	Upper
93	100		
95	82.3	64.7	97.1
174	89.0	69.0	103.4

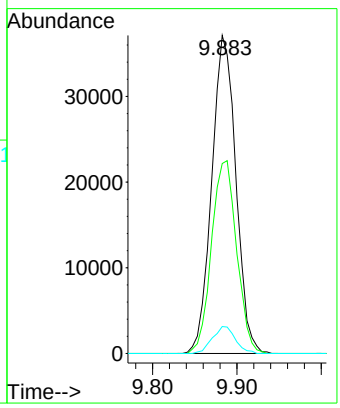




#47
Bromodichloromethane
Concen: 18.999 ug/l
RT: 9.883 min Scan# 13
Delta R.T. 0.001 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 83 Resp: 73853

Ion	Ratio	Lower	Upper
83	100		
85	59.7	51.2	76.8
127	8.5	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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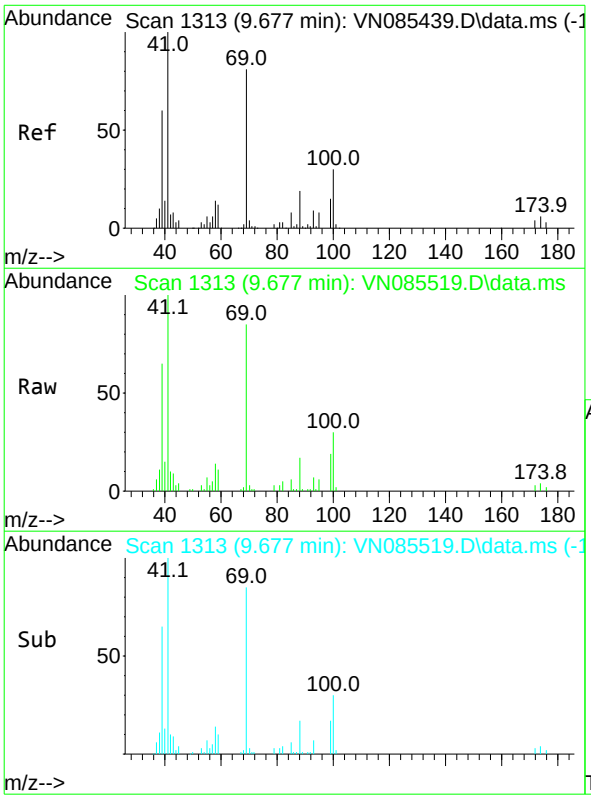
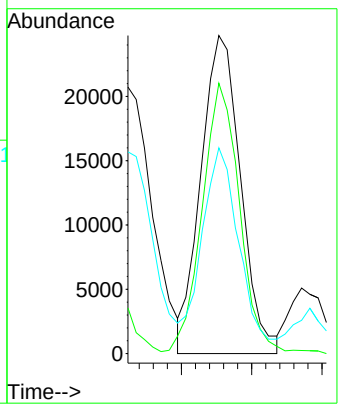
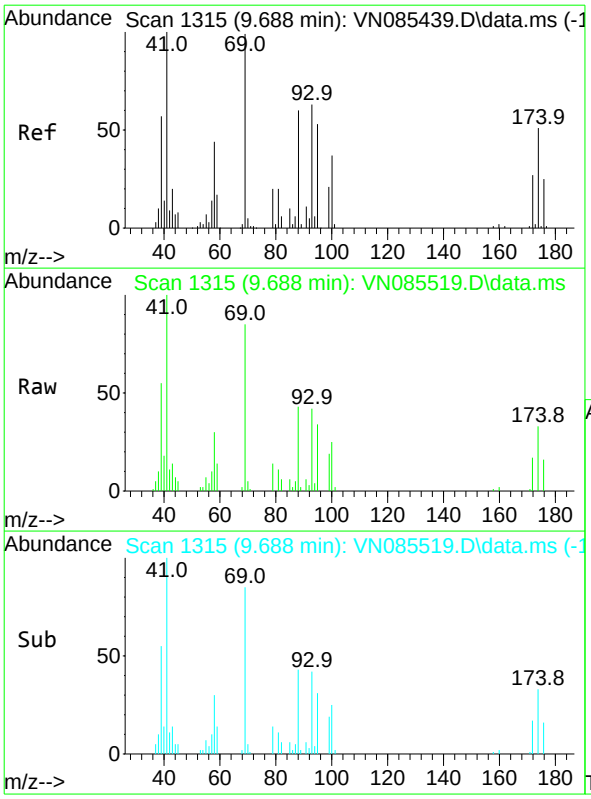


#48
Methyl methacrylate
Concen: 19.364 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 41 Resp: 48560

Ion	Ratio	Lower	Upper
41	100		
69	80.5	64.7	97.1
39	61.7	49.0	73.6

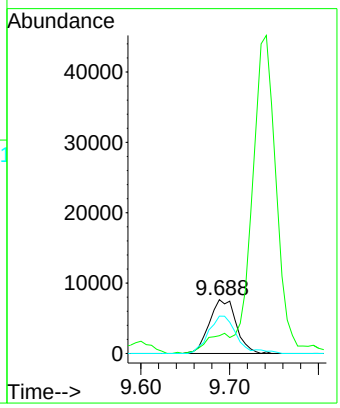




#49
1,4-Dioxane
Concen: 382.887 ug/l
RT: 9.688 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 88 Resp: 16169

Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.6	39.8#
58	72.4	59.5	89.3



Instrument :
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ClientSampleId :
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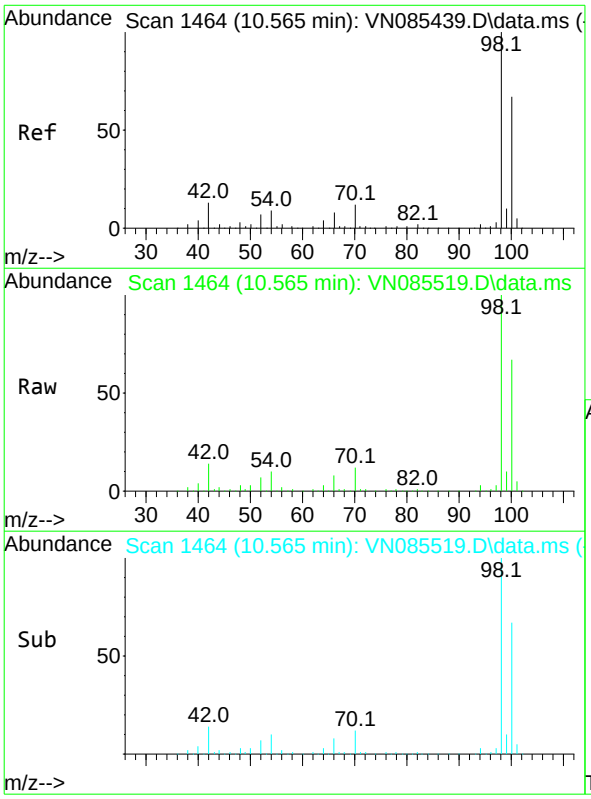
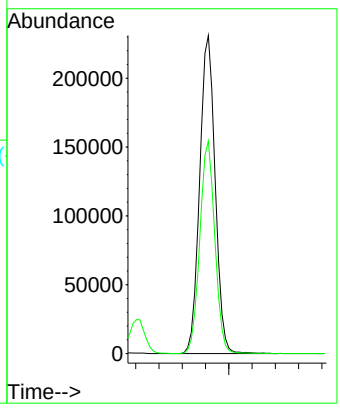
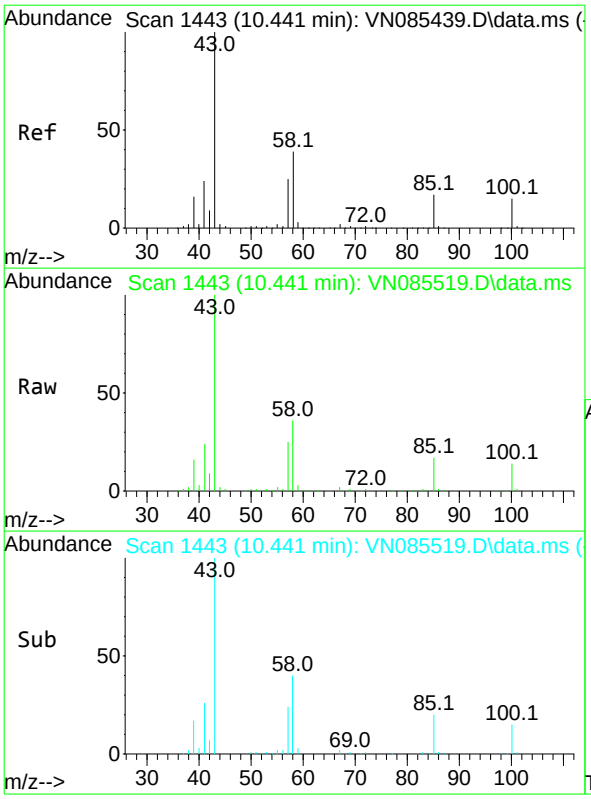


#50
Toluene-d8
Concen: 48.883 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 98 Resp: 426365

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.4





#51
4-Methyl-2-Pentanone
Concen: 98.995 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 43 Resp: 320107

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.5	45.7

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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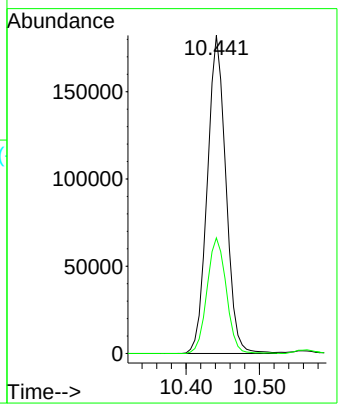
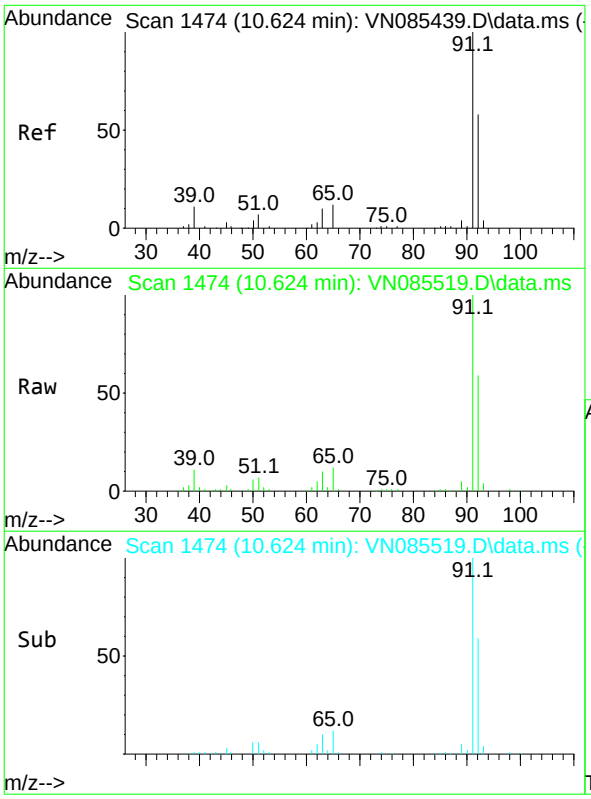
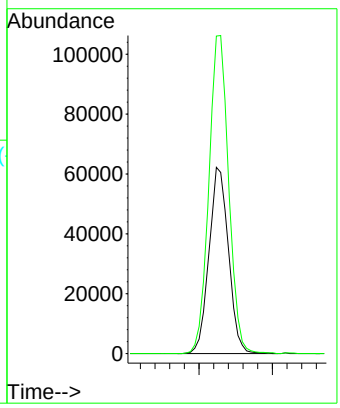




#52
Toluene
Concen: 19.126 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 92 Resp: 114724

Ion	Ratio	Lower	Upper
92	100		
91	173.7	139.2	208.8



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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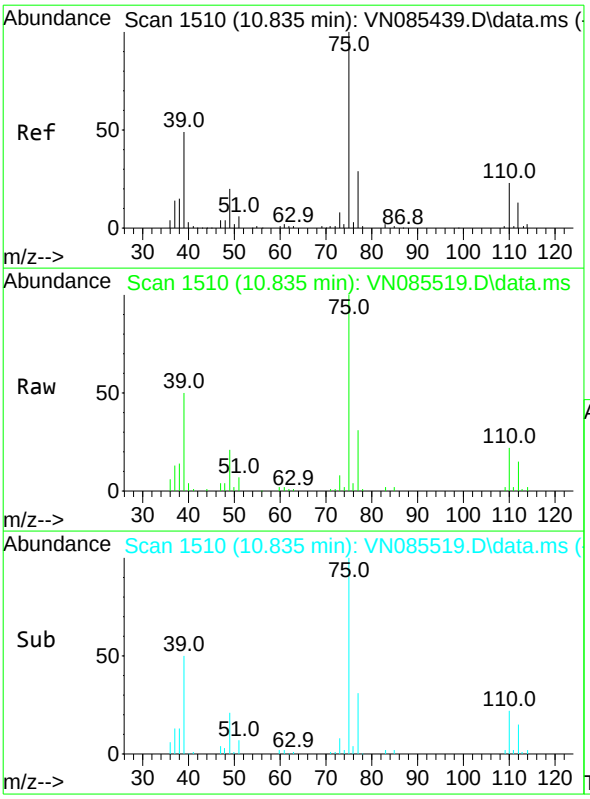
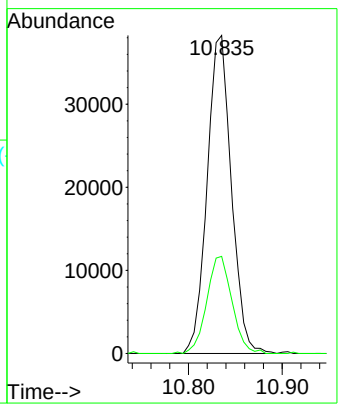
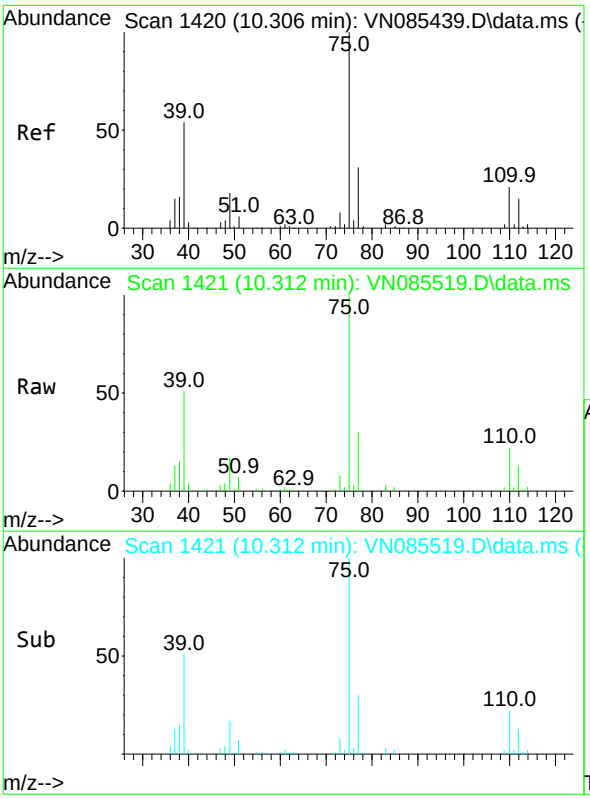


#53
t-1,3-Dichloropropene
Concen: 18.686 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 75 Resp: 68643

Ion	Ratio	Lower	Upper
75	100		
77	30.5	23.5	35.3

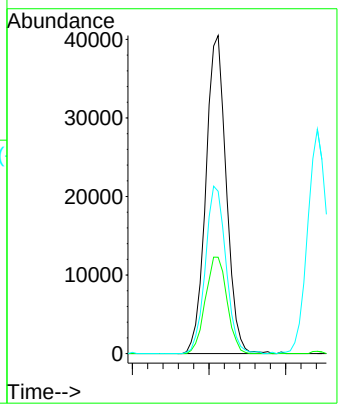


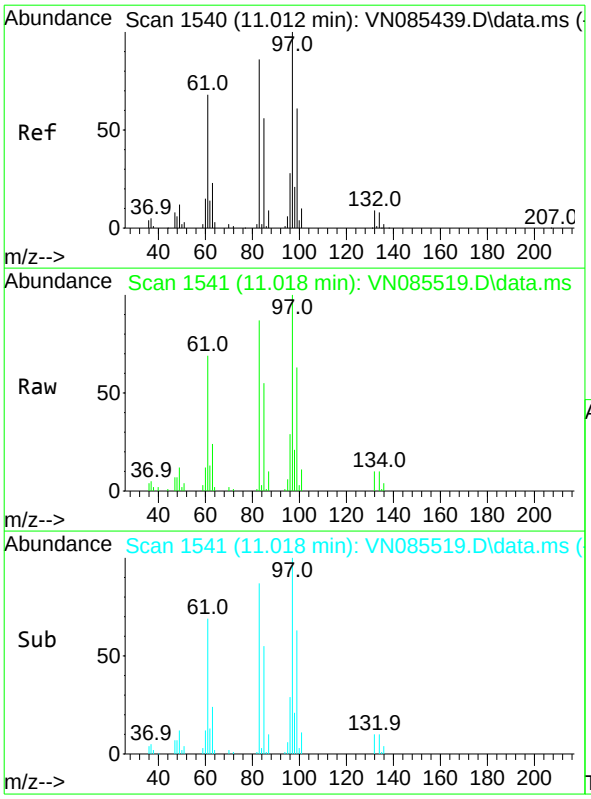


#54
cis-1,3-Dichloropropene
Concen: 19.072 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 75 Resp: 74838

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.0	37.4
39	51.0	43.1	64.7

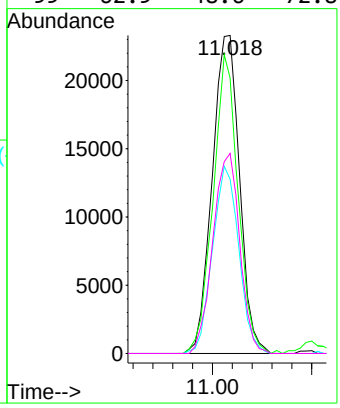




#55
1,1,2-Trichloroethane
Concen: 18.755 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 97 Resp: 44521

Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.0	103.6
85	54.8	44.6	66.8
99	62.9	48.6	72.8



Instrument :
MSVOA_N
ClientSampleId :
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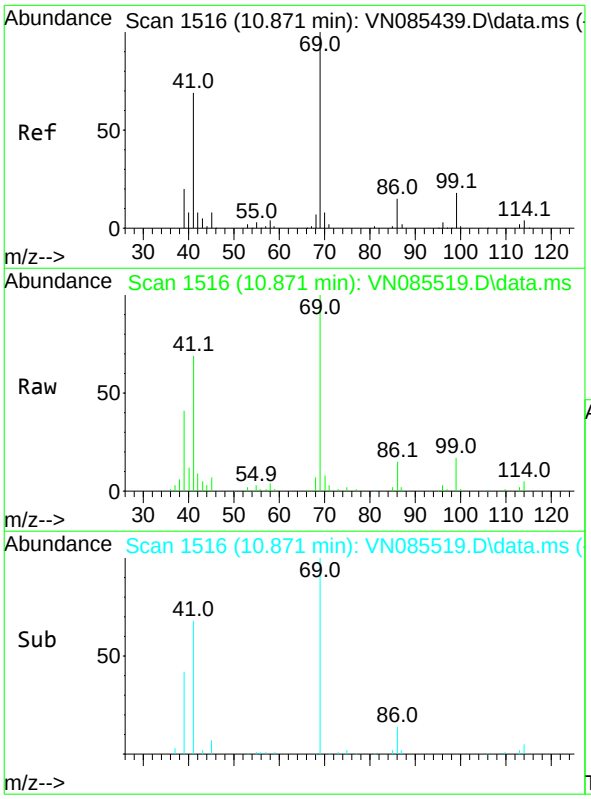
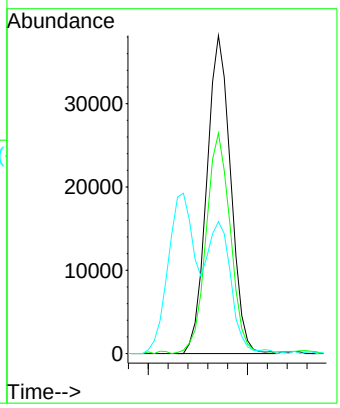
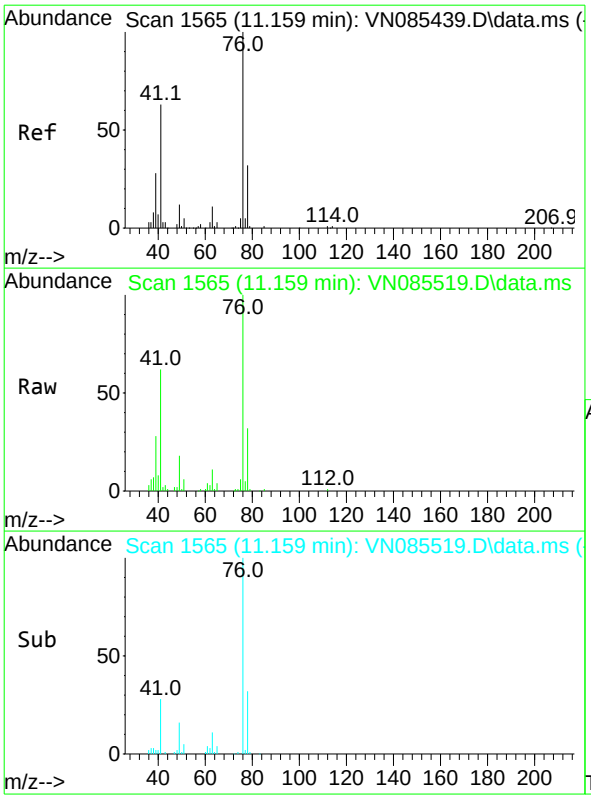


#56
Ethyl methacrylate
Concen: 17.301 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 69 Resp: 63931

Ion	Ratio	Lower	Upper
69	100		
41	70.3	54.6	82.0
39	41.3	32.4	48.6

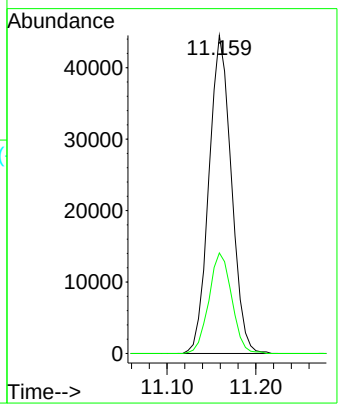




#57
1,3-Dichloropropane
Concen: 18.909 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 76 Resp: 78049

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
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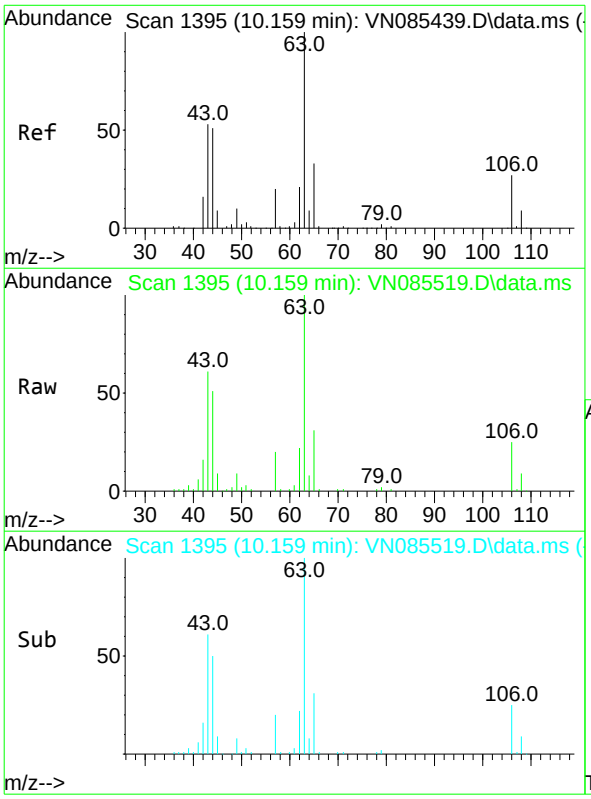
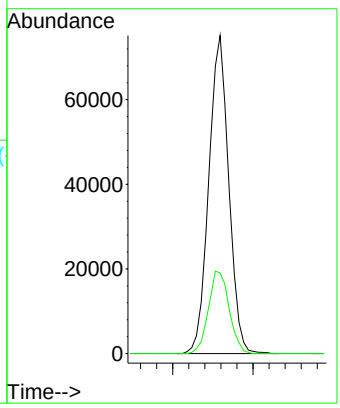
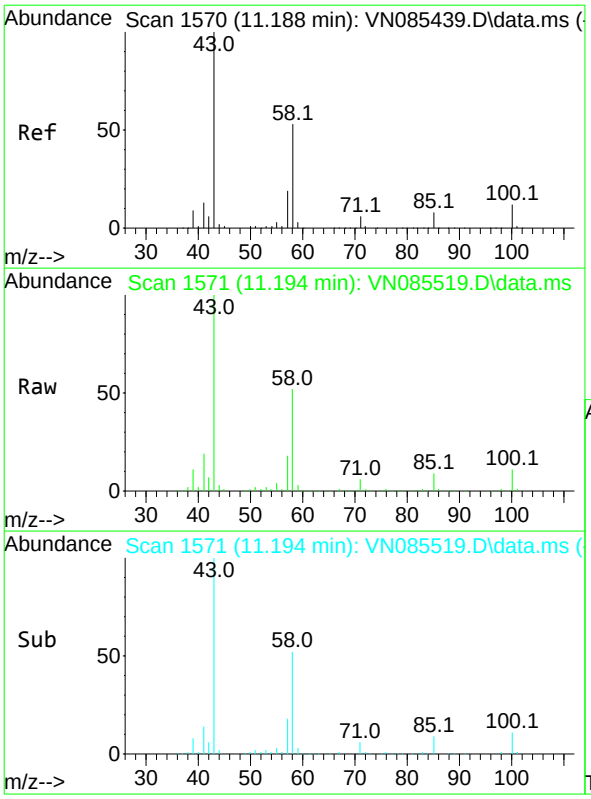


#58
2-Chloroethyl Vinyl ether
Concen: 86.050 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 63 Resp: 129626

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4





#59
2-Hexanone
Concen: 100.658 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 43 Resp: 229022

Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.2	78.6

Instrument :
MSVOA_N
ClientSampleId :
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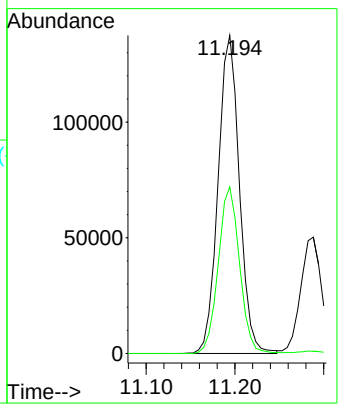
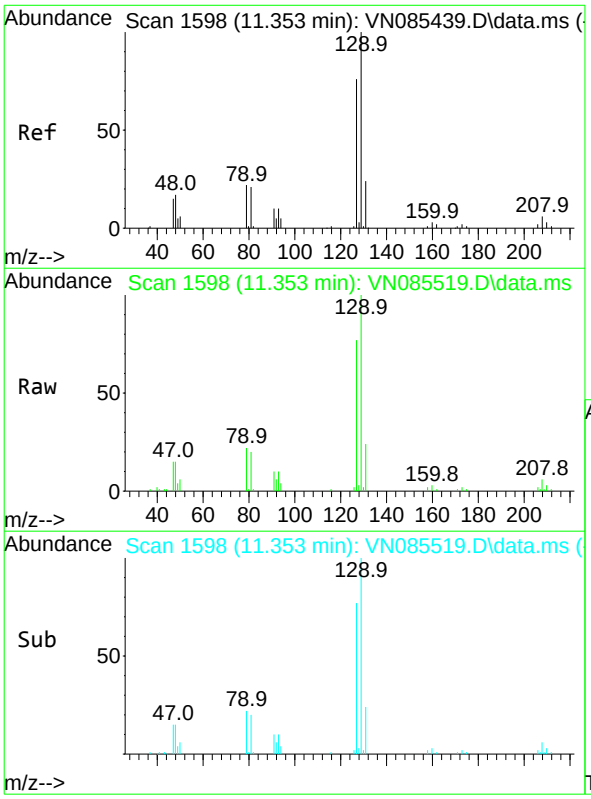
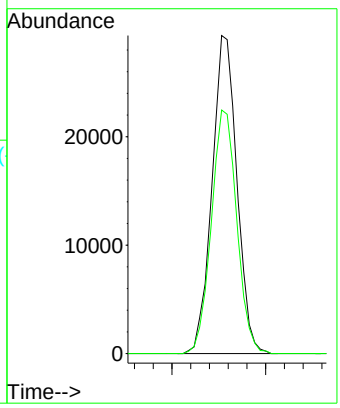




#60
Dibromochloromethane
Concen: 18.841 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:129 Resp: 53997

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	115.8



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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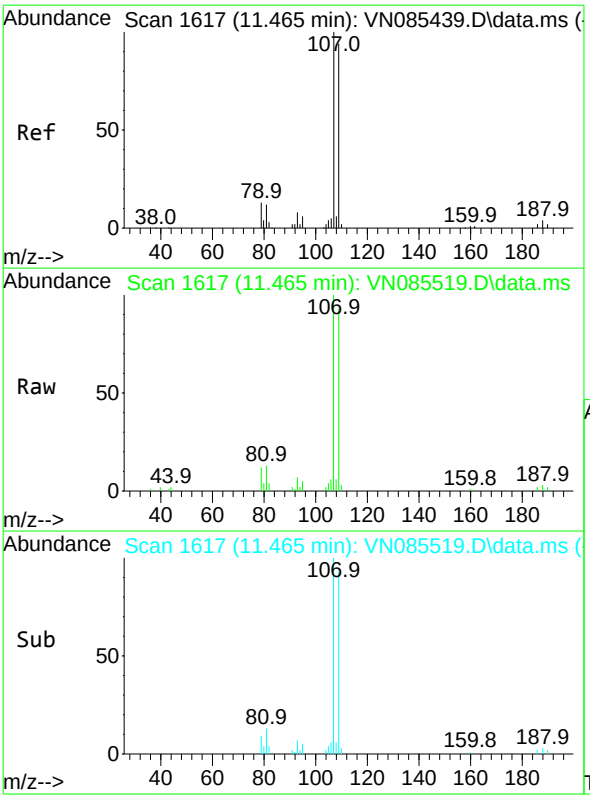
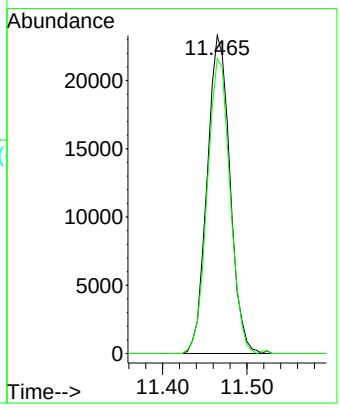
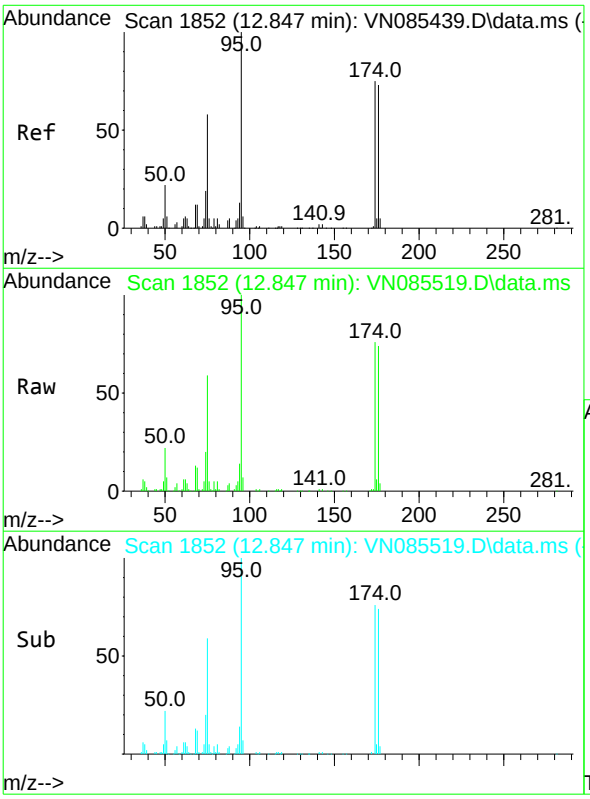


#61
1,2-Dibromoethane
Concen: 18.569 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:107 Resp: 43876

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.9	113.9

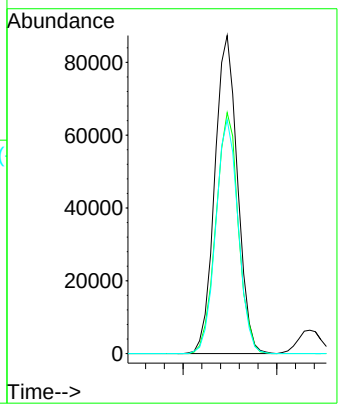


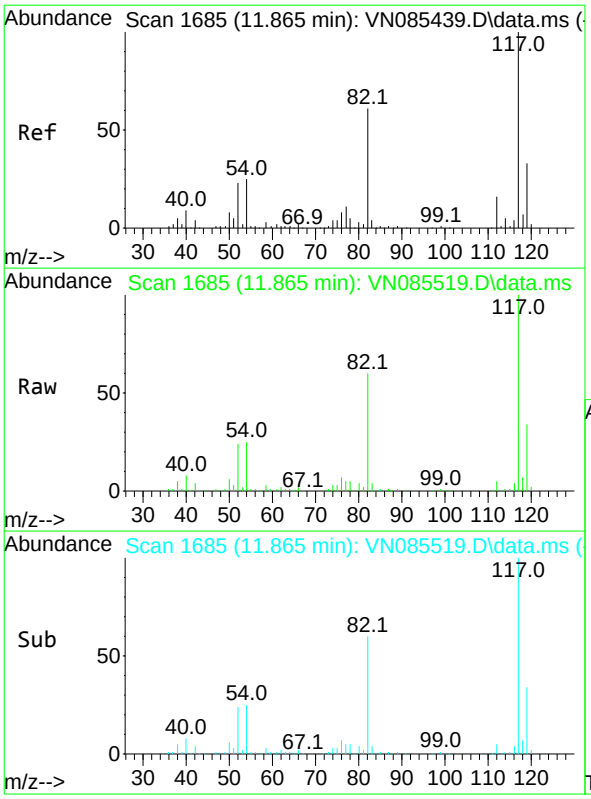


#62
4-Bromofluorobenzene
Concen: 49.362 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 95 Resp: 147277

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	145.0
176	72.4	0.0	142.4

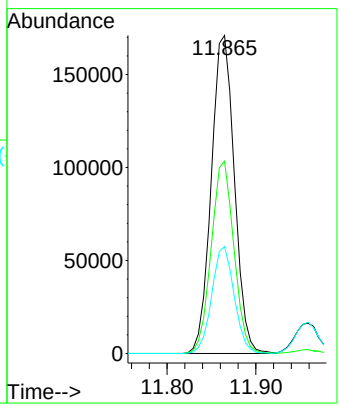




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:117 Resp: 309822

Ion	Ratio	Lower	Upper
117	100		
82	60.5	48.6	72.8
119	33.6	26.6	39.8



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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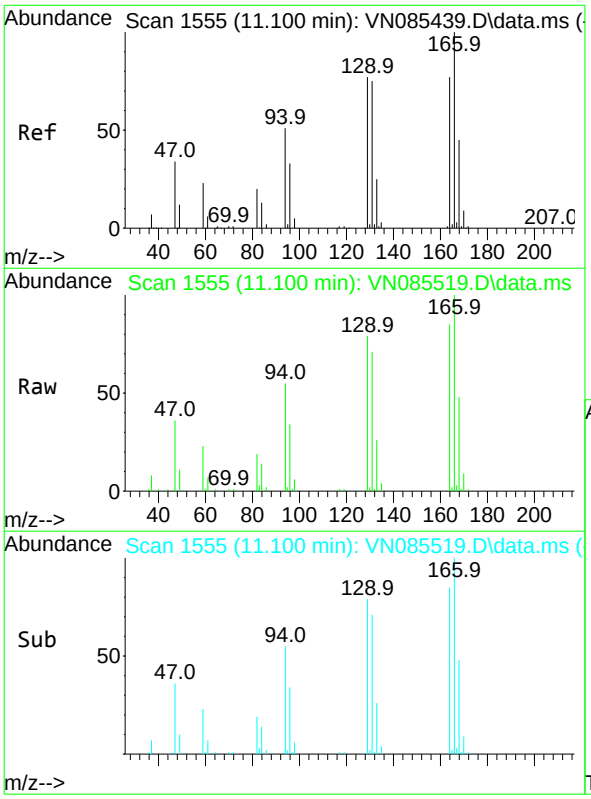
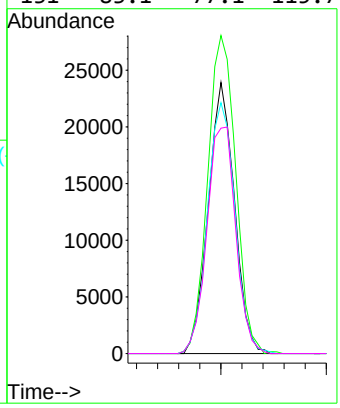
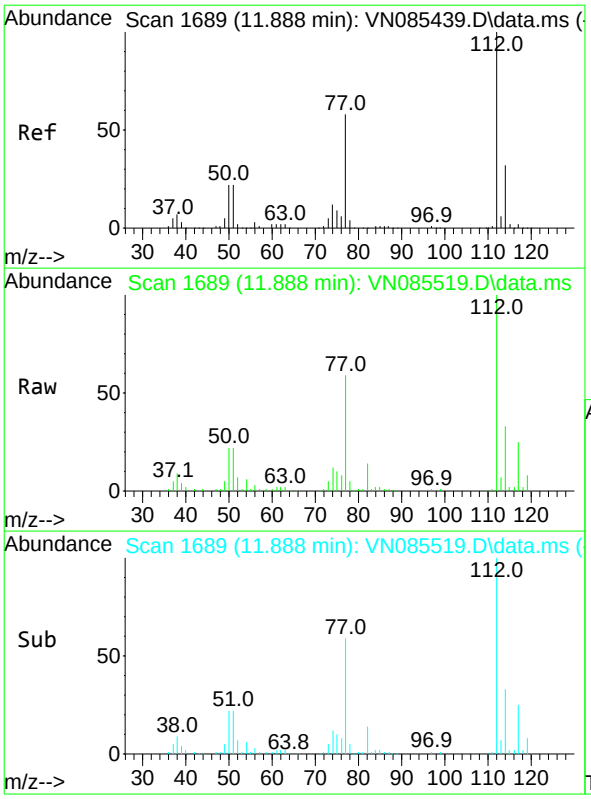


#64
Tetrachloroethene
Concen: 19.589 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:164 Resp: 41376

Ion	Ratio	Lower	Upper
164	100		
166	117.3	103.4	155.2
129	92.5	79.2	118.8
131	83.1	77.1	115.7

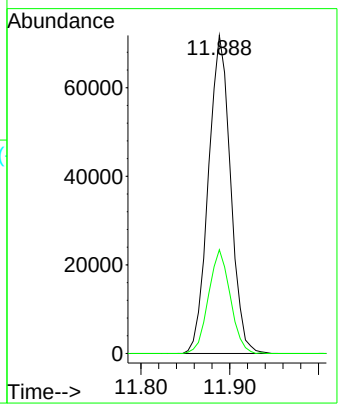




#65
Chlorobenzene
Concen: 18.327 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:112 Resp: 124390

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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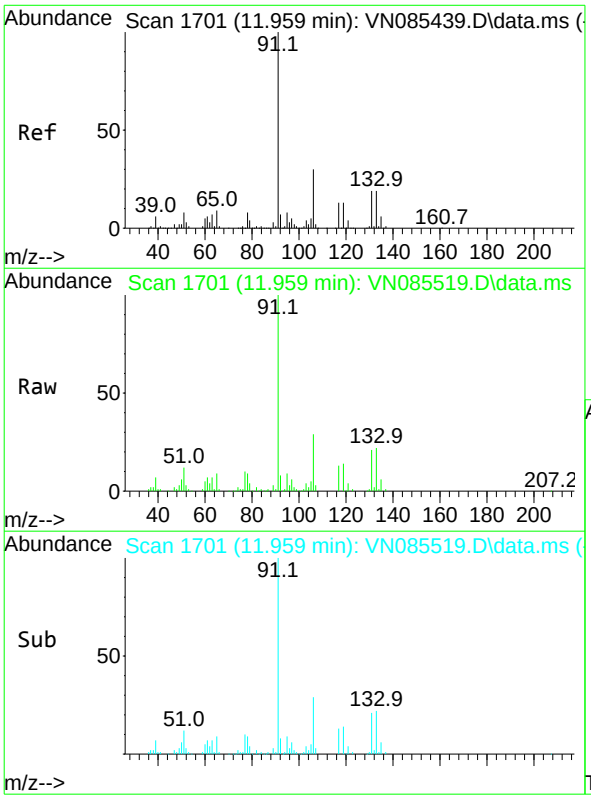
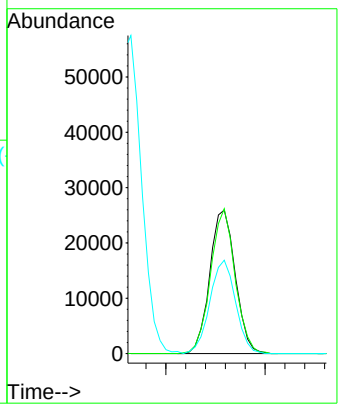
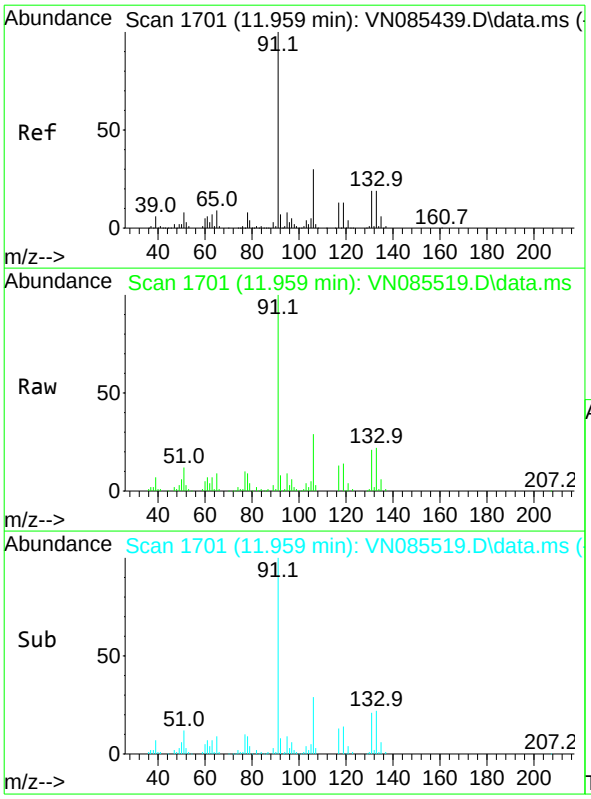


#66
1,1,1,2-Tetrachloroethane
Concen: 18.625 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:131 Resp: 46396

Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.4	142.3
119	65.4	33.1	99.5

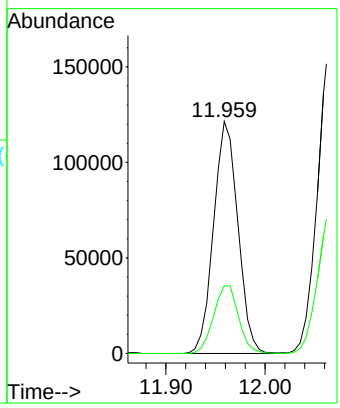




#67
Ethyl Benzene
Concen: 18.706 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 91 Resp: 206785

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.8	35.8



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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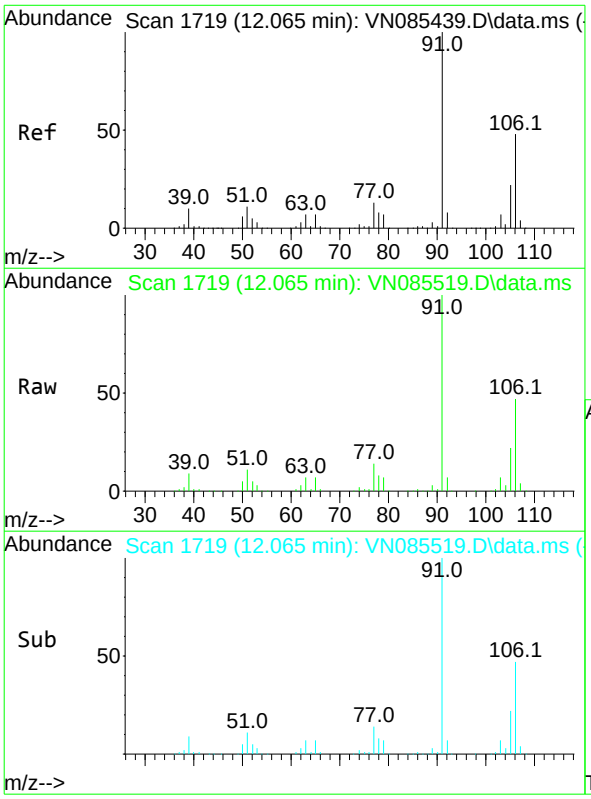
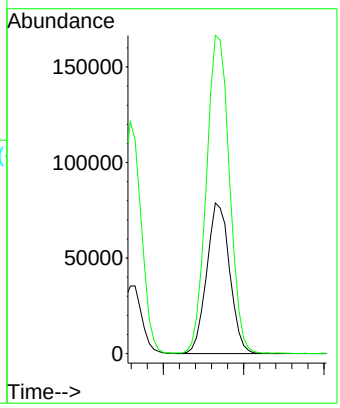
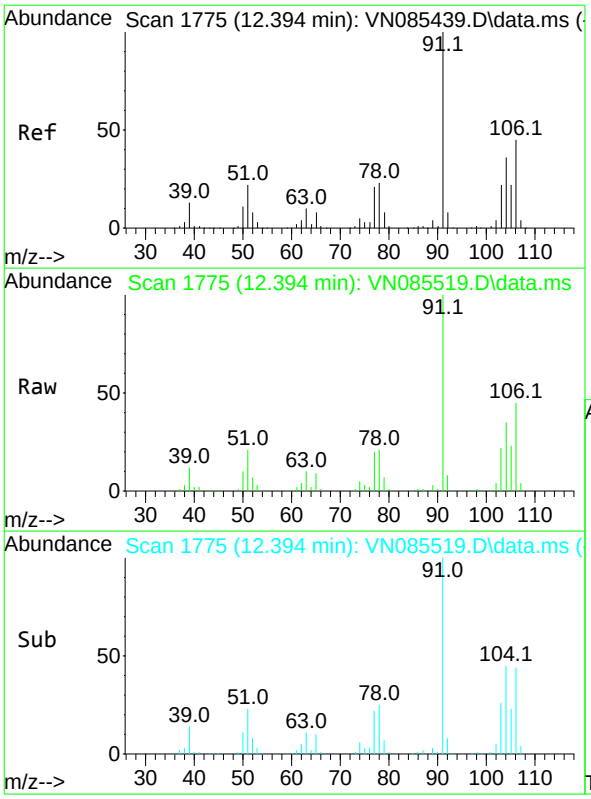


#68
m/p-Xylenes
Concen: 38.260 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:106 Resp: 156314

Ion	Ratio	Lower	Upper
106	100		
91	211.9	167.7	251.5

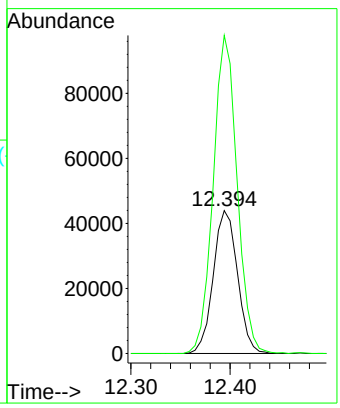




#69
o-Xylene
Concen: 19.084 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:106 Resp: 74513

Ion	Ratio	Lower	Upper
106	100		
91	219.9	110.4	331.2



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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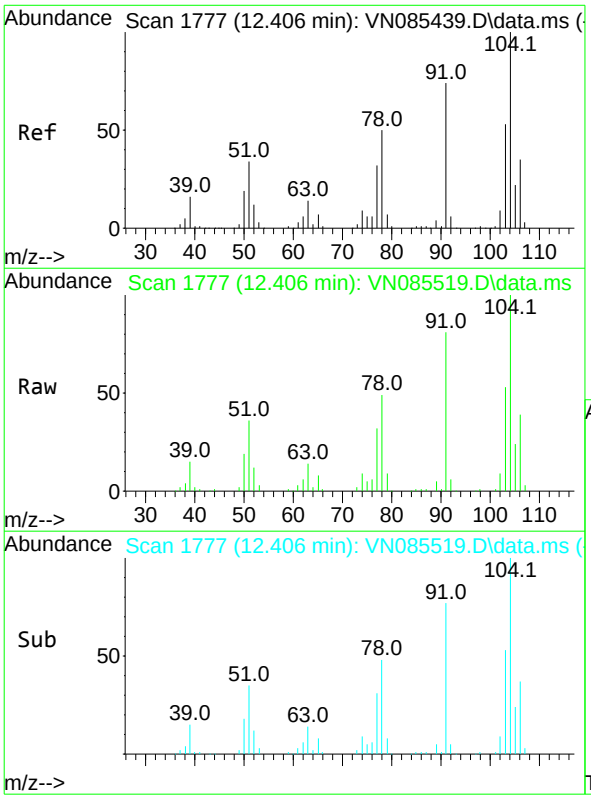
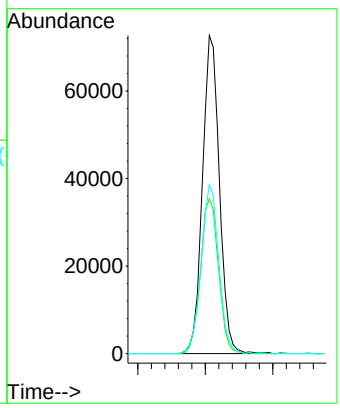
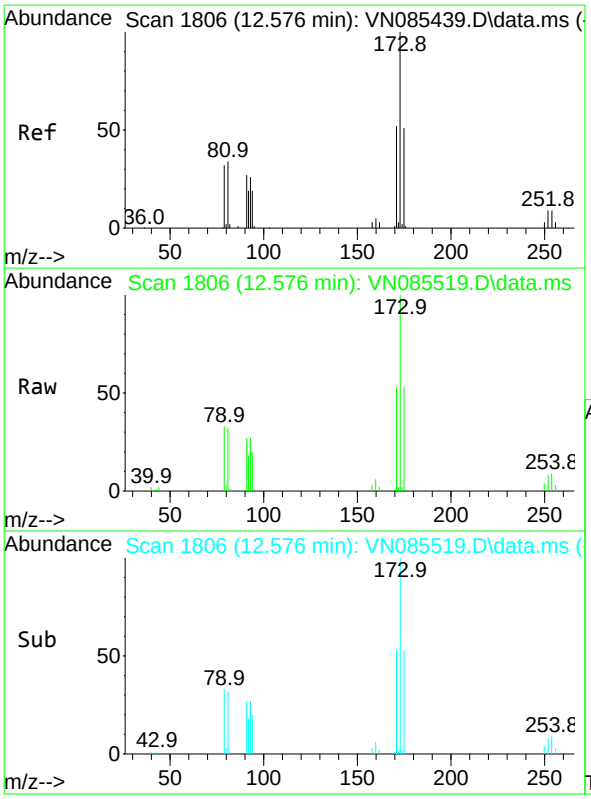


#70
Styrene
Concen: 19.615 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:104 Resp: 126745

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.5	63.7
103	55.1	43.8	65.8

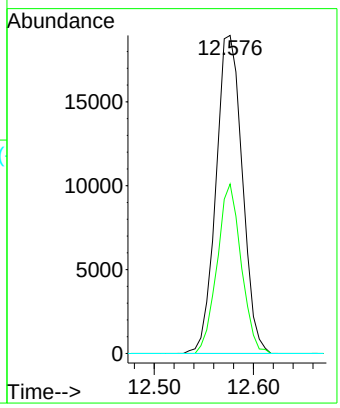




#71
Bromoform
Concen: 19.602 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:173 Resp: 34938

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.4	73.2
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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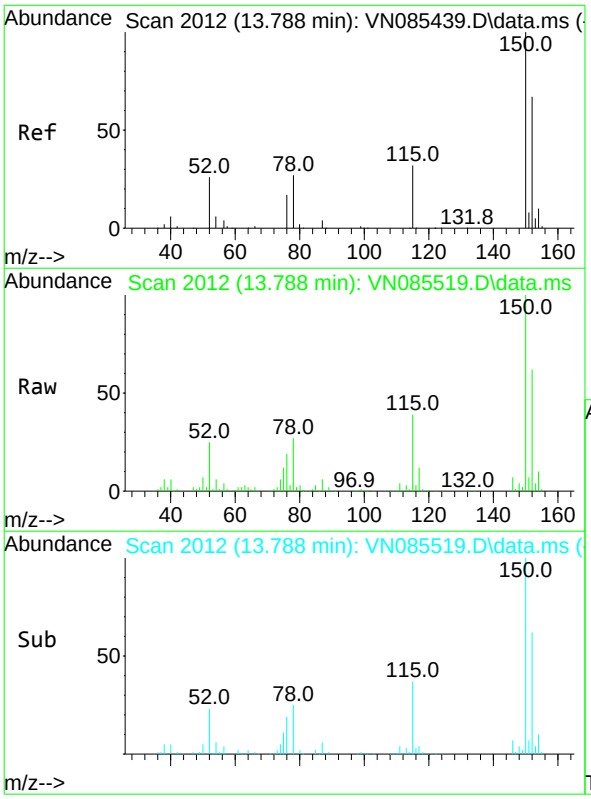
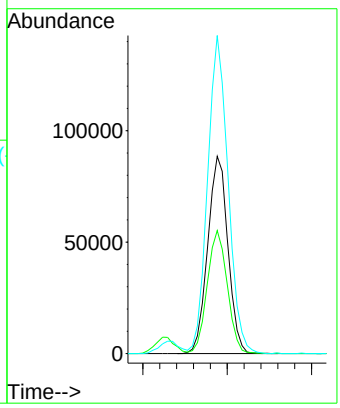
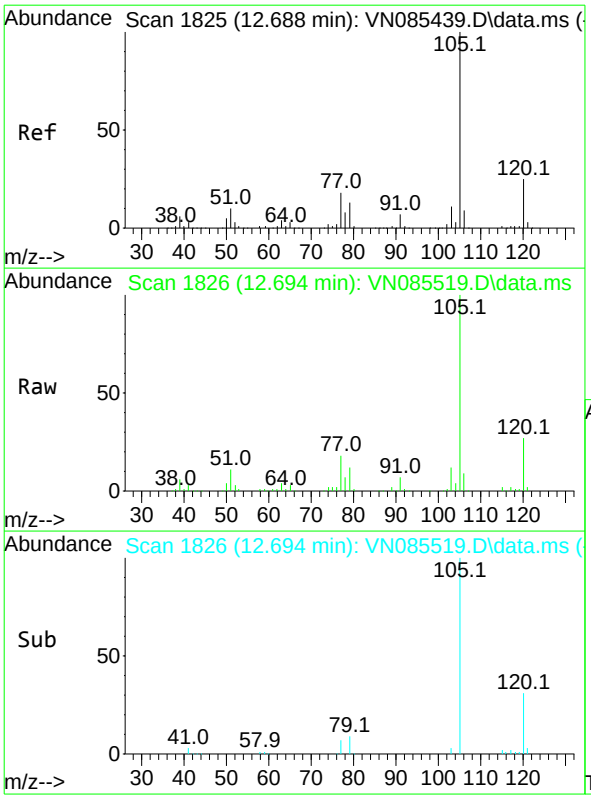


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:152 Resp: 147310

Ion	Ratio	Lower	Upper
152	100		
115	61.7	31.1	93.3
150	163.3	0.0	343.6

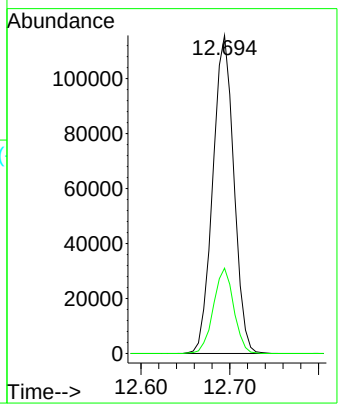




#73
Isopropylbenzene
Concen: 19.153 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:105 Resp: 190425

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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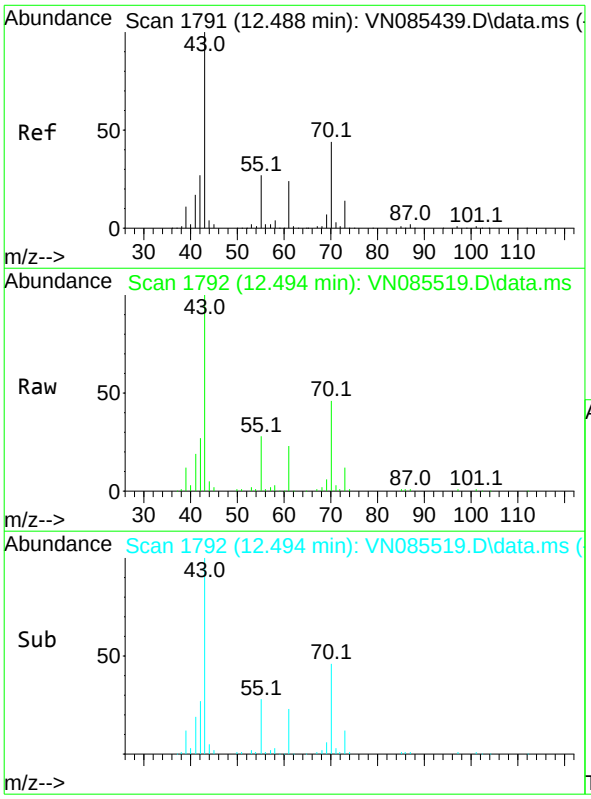
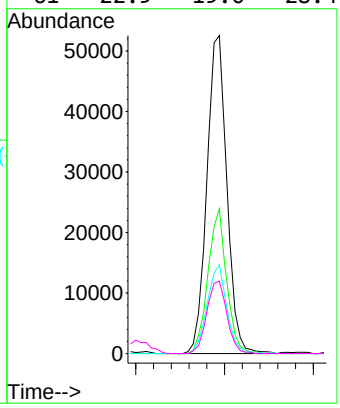
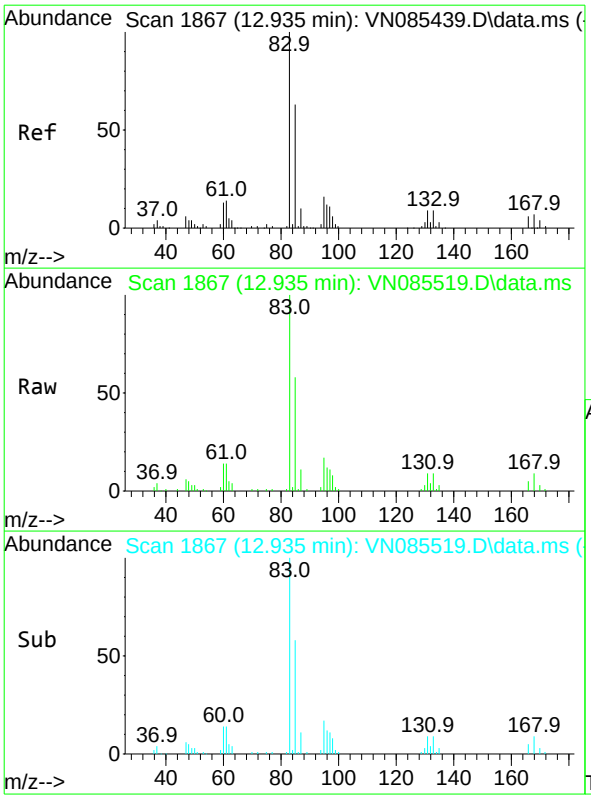


#74
N-amyl acetate
Concen: 18.396 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 43 Resp: 82210

Ion	Ratio	Lower	Upper
43	100		
70	42.3	34.0	51.0
55	27.4	21.4	32.2
61	22.9	19.0	28.4

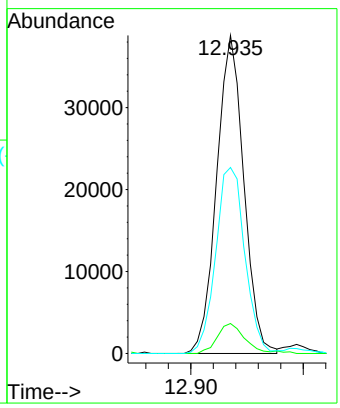




#75
1,1,2,2-Tetrachloroethane
Concen: 18.515 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 83 Resp: 65024

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.4
85	62.8	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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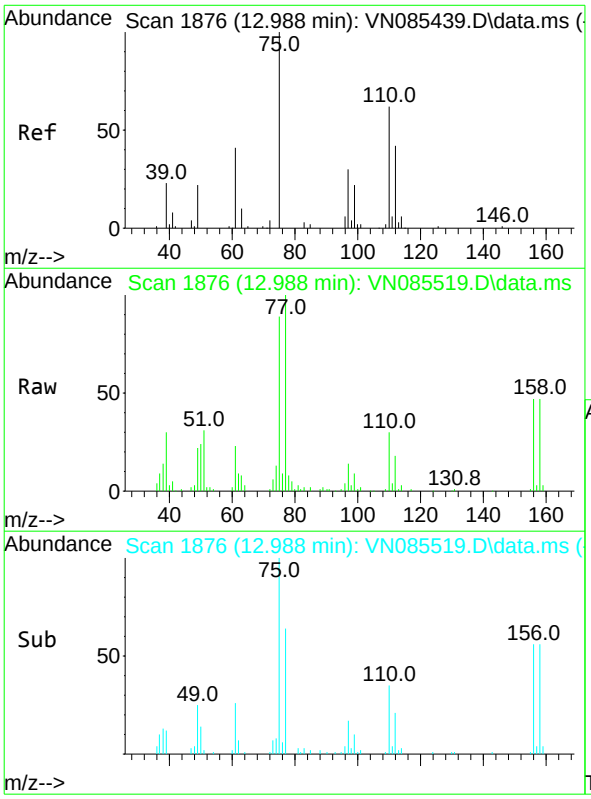
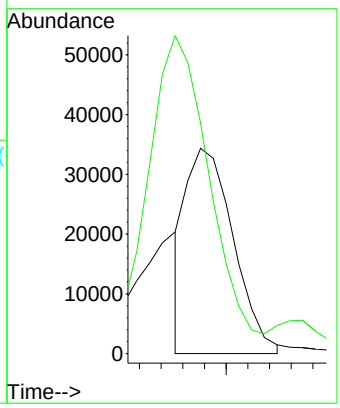
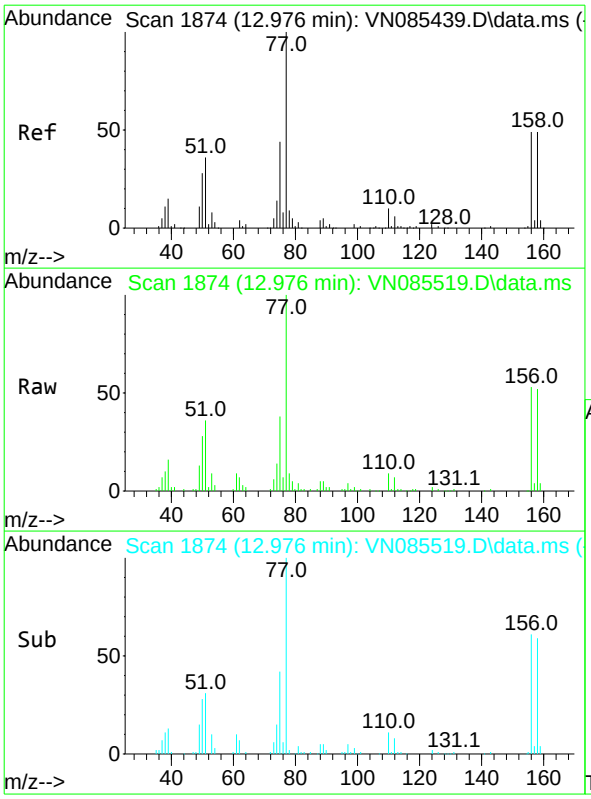


#76
1,2,3-Trichloropropane
Concen: 17.413 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 75 Resp: 52136

Ion	Ratio	Lower	Upper
75	100		
77	205.5	109.7	329.2

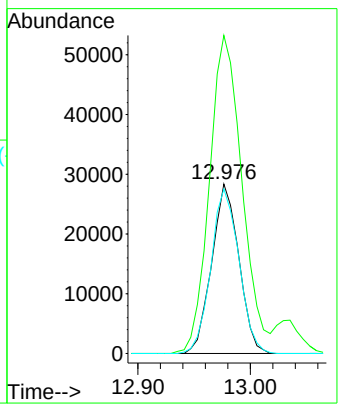




#77
Bromobenzene
Concen: 18.302 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:156 Resp: 47540

Ion	Ratio	Lower	Upper
156	100		
77	225.4	114.1	342.4
158	100.6	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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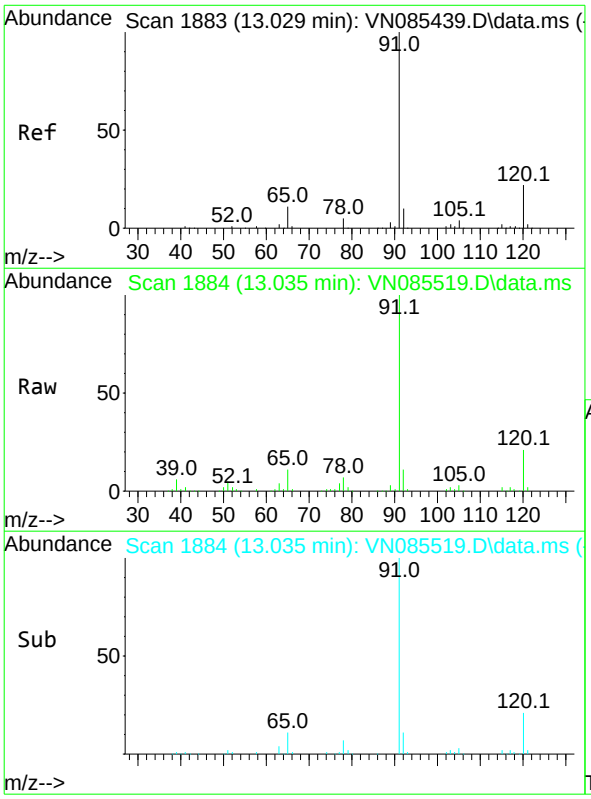
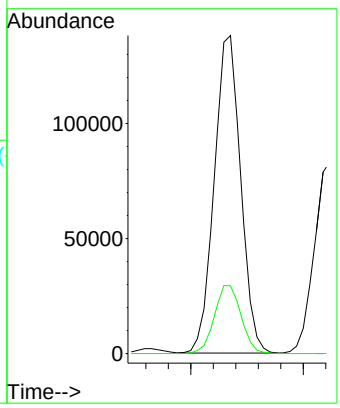
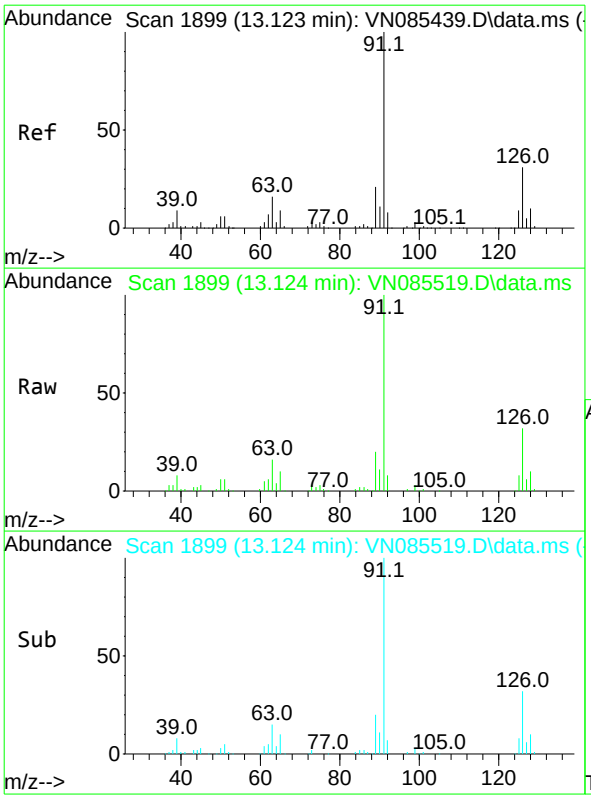


#78
n-propylbenzene
Concen: 19.114 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 91 Resp: 224974

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6

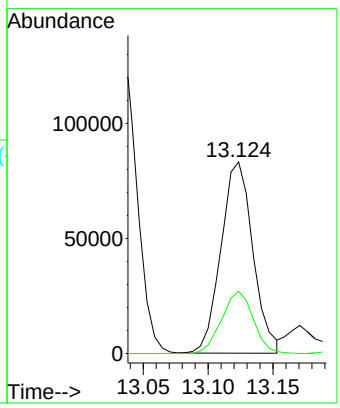




#79
2-Chlorotoluene
Concen: 18.733 ug/l
RT: 13.124 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 91 Resp: 142697

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

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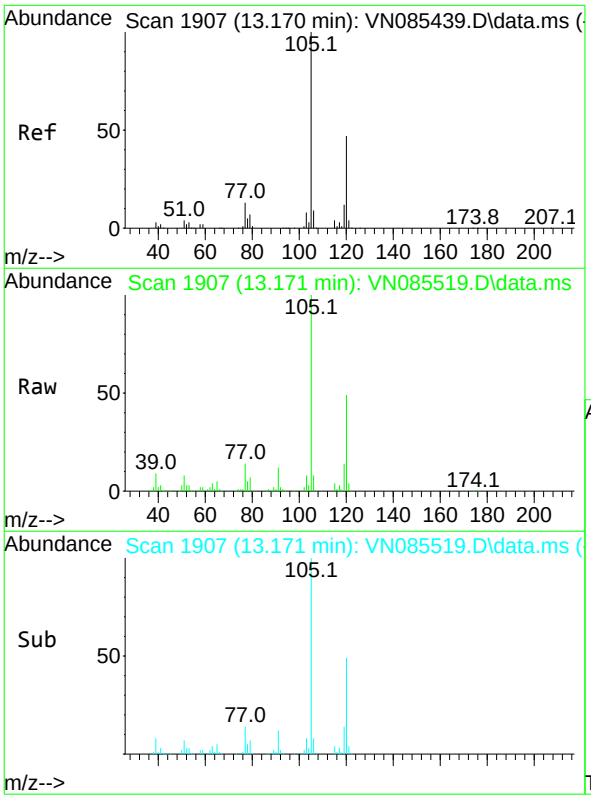
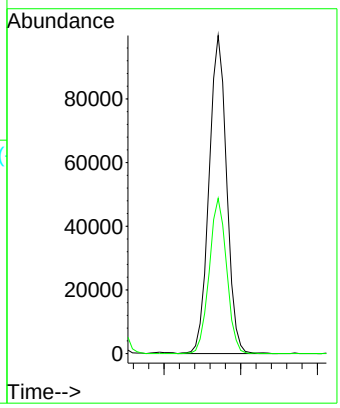
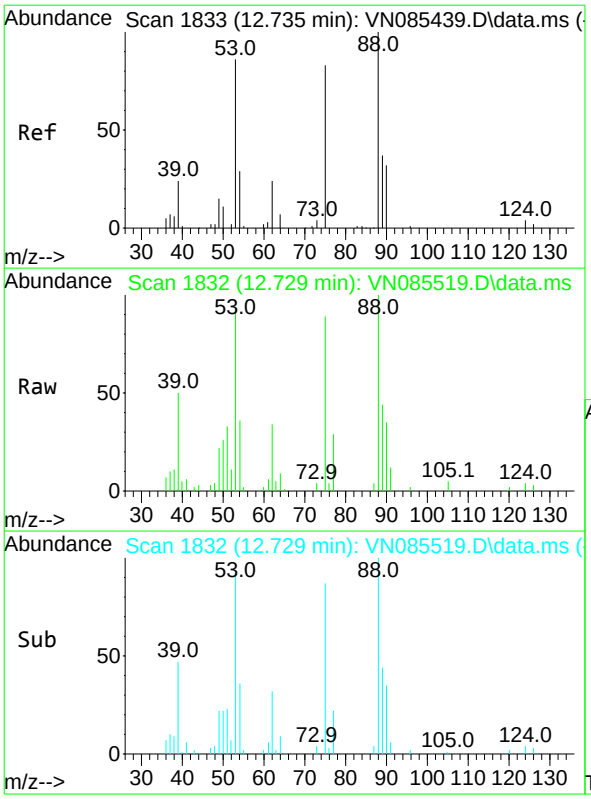


#80
1,3,5-Trimethylbenzene
Concen: 19.367 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:105 Resp: 159046

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 19.087 ug/l
RT: 12.729 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 75 Resp: 21123

Ion	Ratio	Lower	Upper
75	100		
53	116.9	95.6	143.4
89	46.5	37.0	55.6

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations
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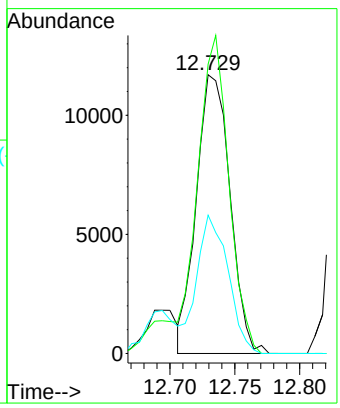
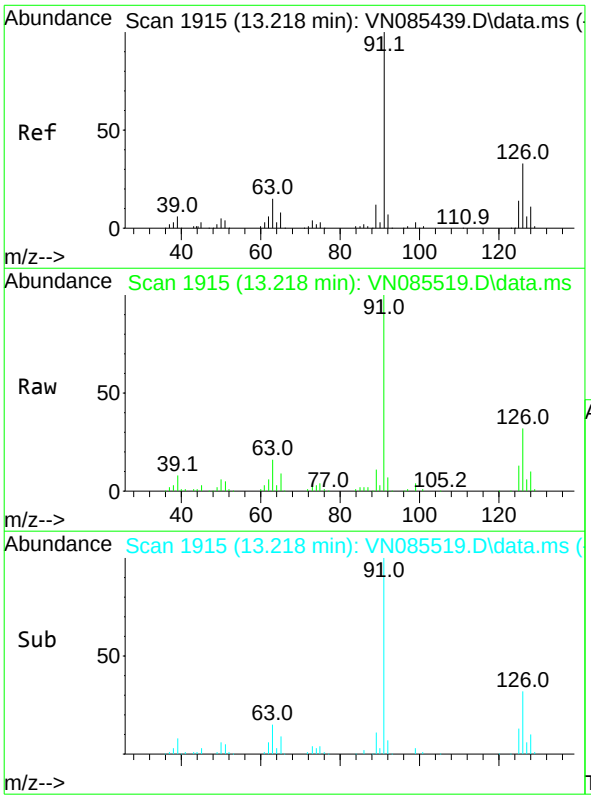
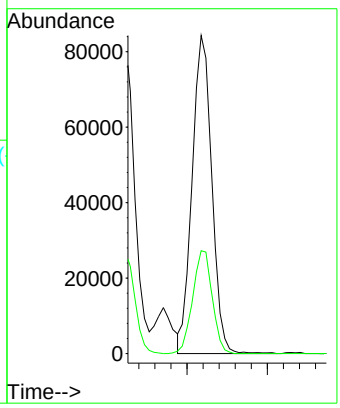


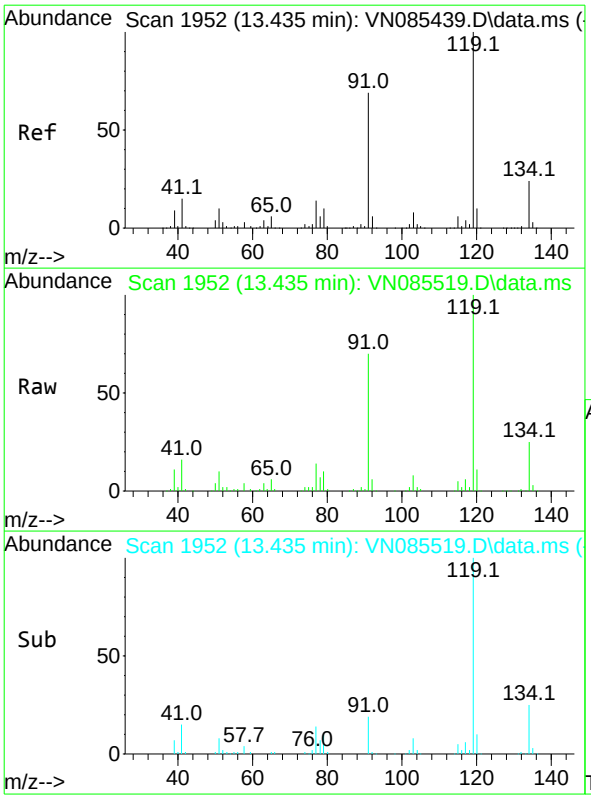


#82
4-Chlorotoluene
Concen: 18.876 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 91 Resp: 143166

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.9	47.7





#83
tert-Butylbenzene
Concen: 18.737 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

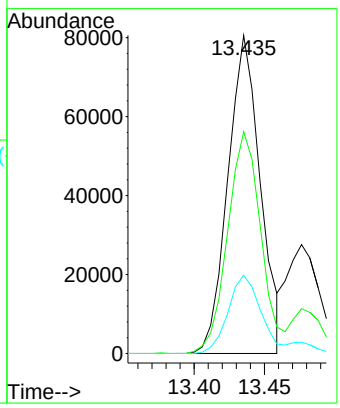
Tgt Ion:119 Resp: 129220

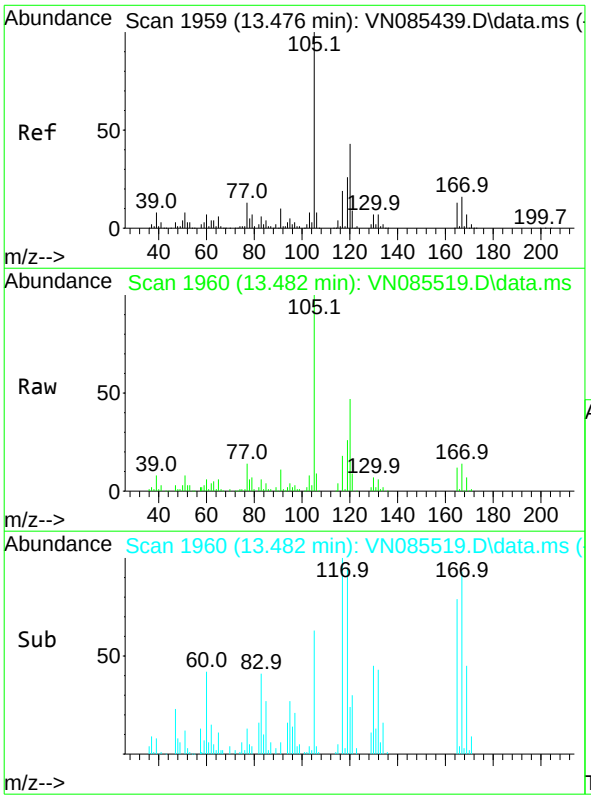
Ion	Ratio	Lower	Upper
119	100		
91	71.8	35.1	105.3
134	24.9	12.0	36.1

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

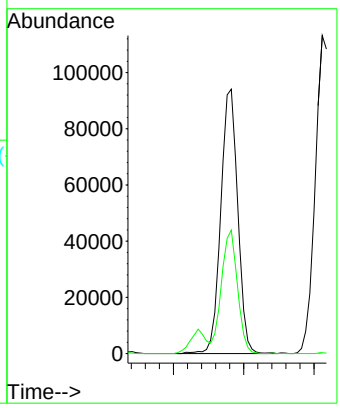


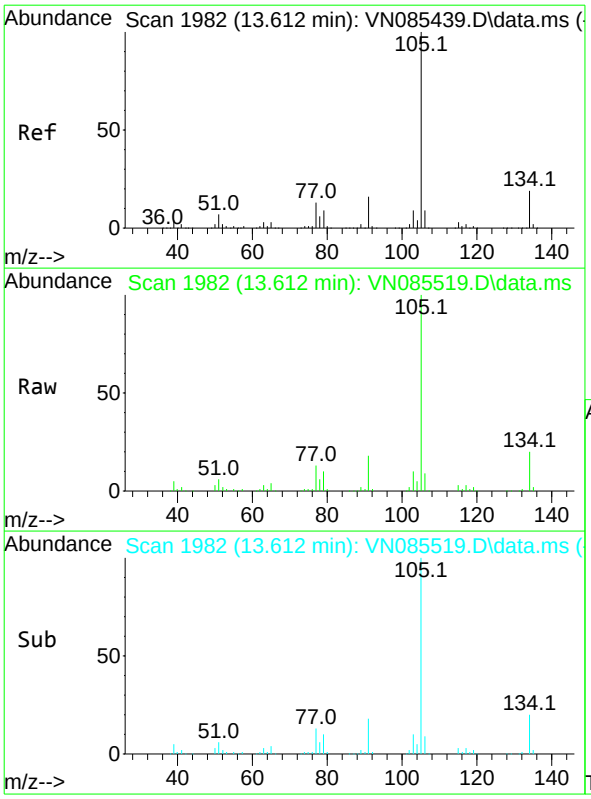


#84
1,2,4-Trimethylbenzene
Concen: 19.321 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:105 Resp: 158145

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.6	65.0

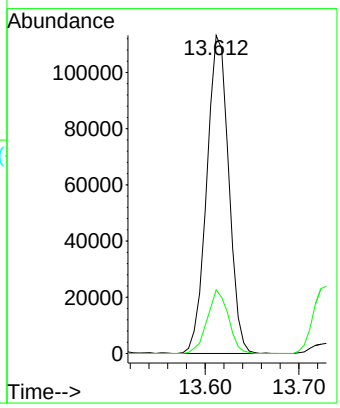




#85
sec-Butylbenzene
Concen: 19.269 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:105 Resp: 184179

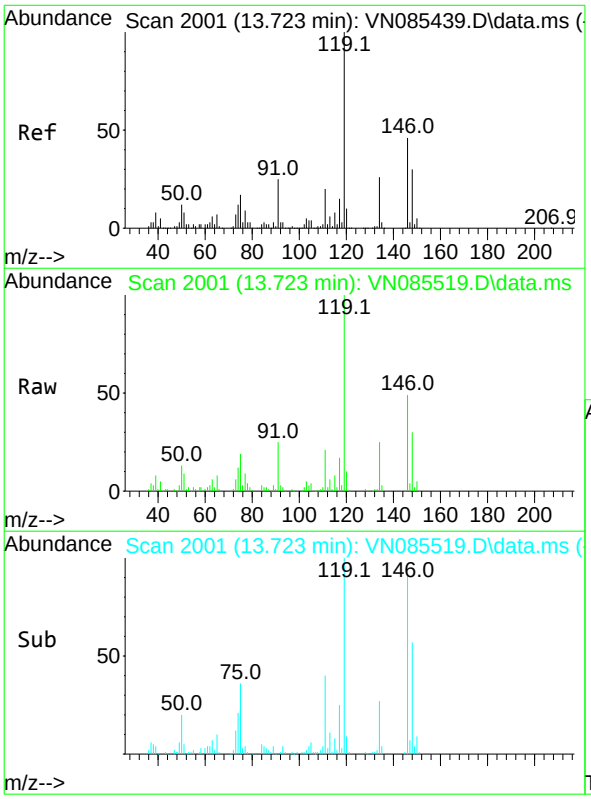
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	28.9



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations APPROVED

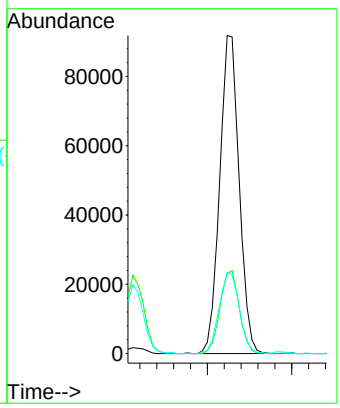
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

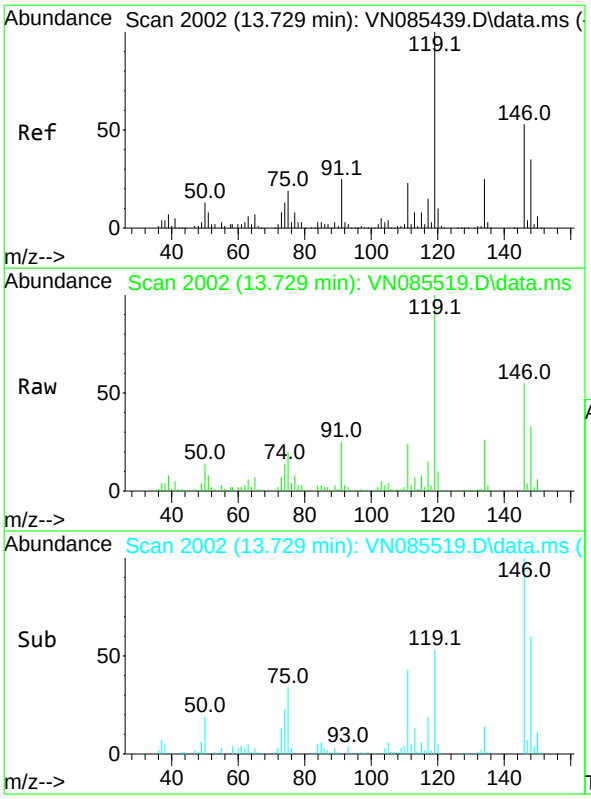


#86
p-Isopropyltoluene
Concen: 18.528 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:119 Resp: 147016

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.7	38.0
91	26.5	12.7	38.1

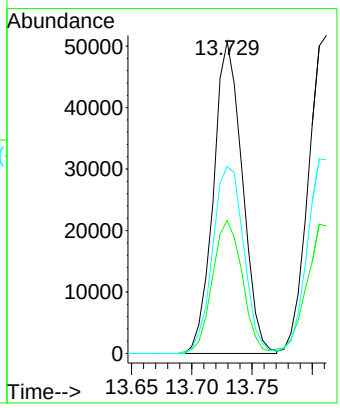




#87
1,3-Dichlorobenzene
Concen: 17.692 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:146 Resp: 84631

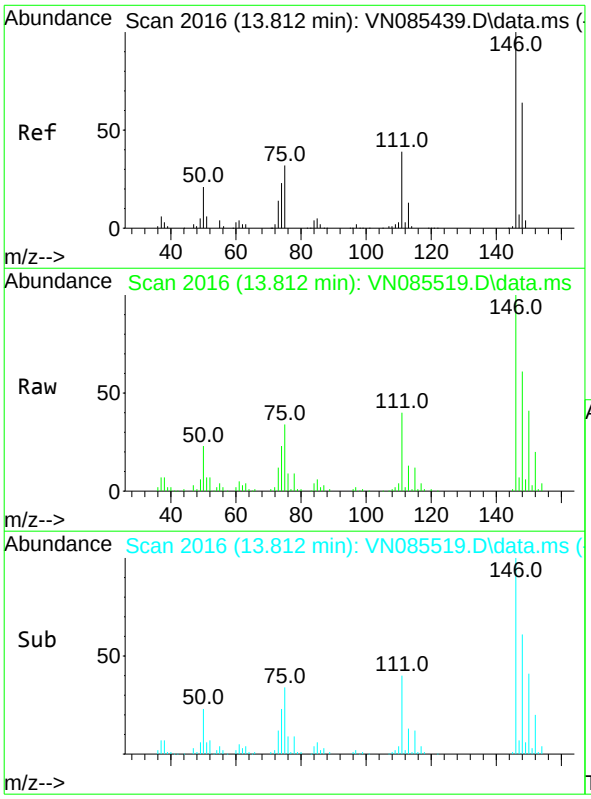
Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.4	64.3
148	64.7	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations APPROVED

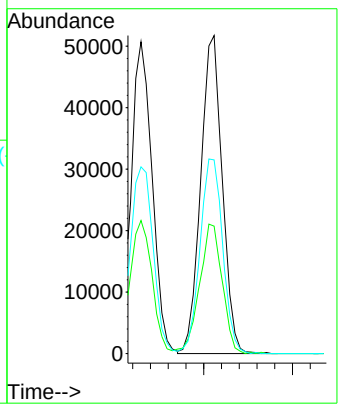
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#88
1,4-Dichlorobenzene
Concen: 17.611 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:146 Resp: 87319

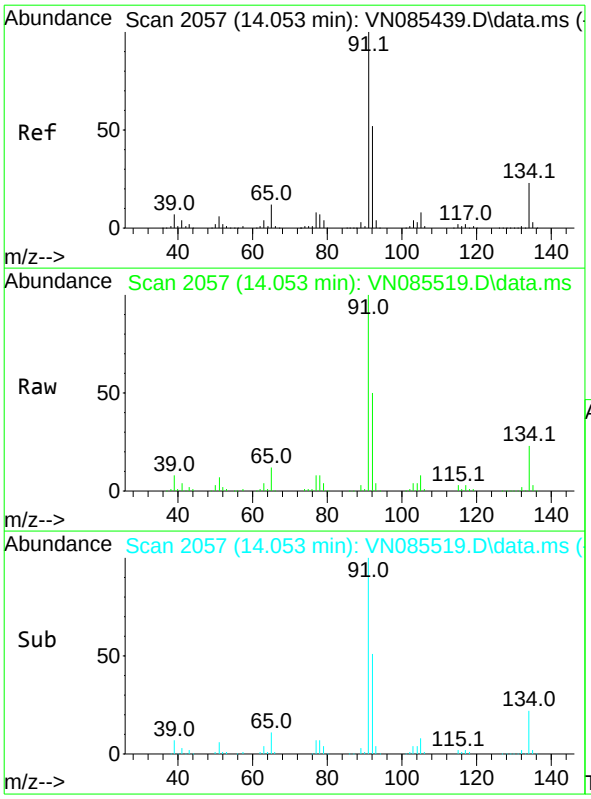
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.3	63.7
148	64.5	32.4	97.0



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations
APPROVED

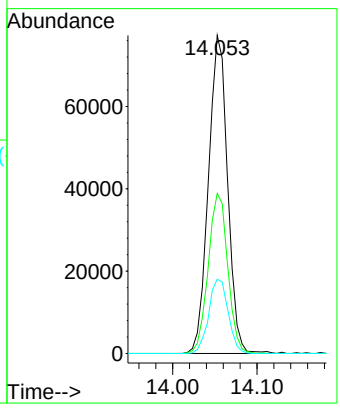
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

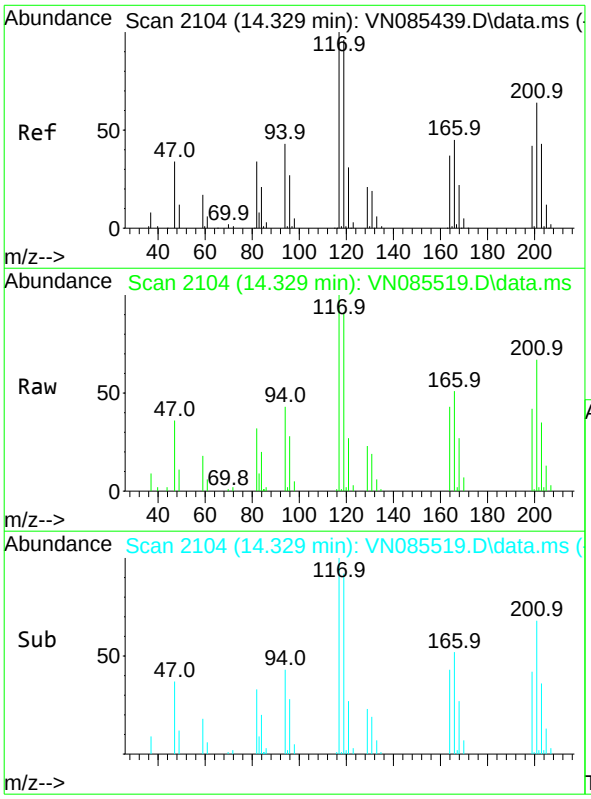


#89
n-Butylbenzene
Concen: 17.814 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 91 Resp: 122155

Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.8	77.3
134	23.7	11.7	35.1

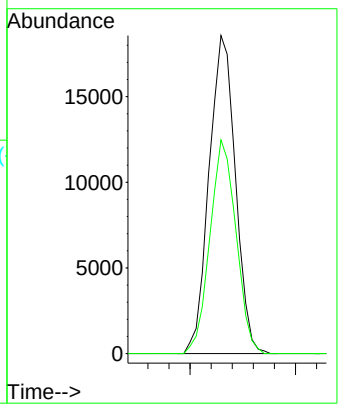




#90
Hexachloroethane
Concen: 17.731 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:117 Resp: 32263

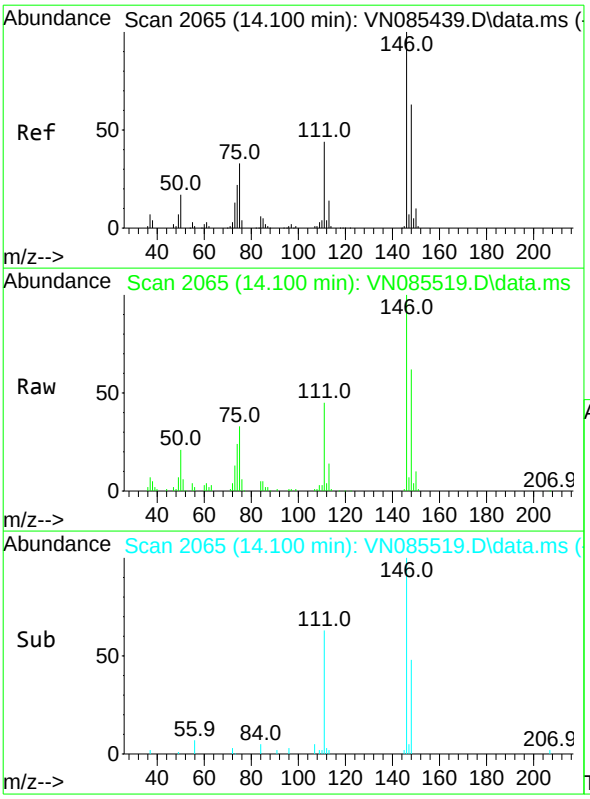
Ion	Ratio	Lower	Upper
117	100		
201	66.5	33.7	101.0



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations APPROVED

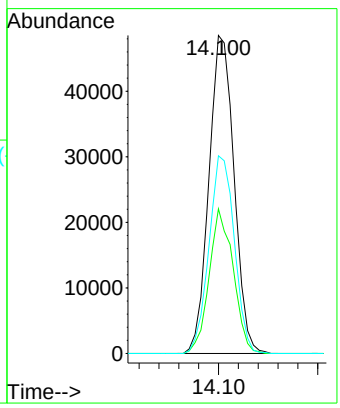
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

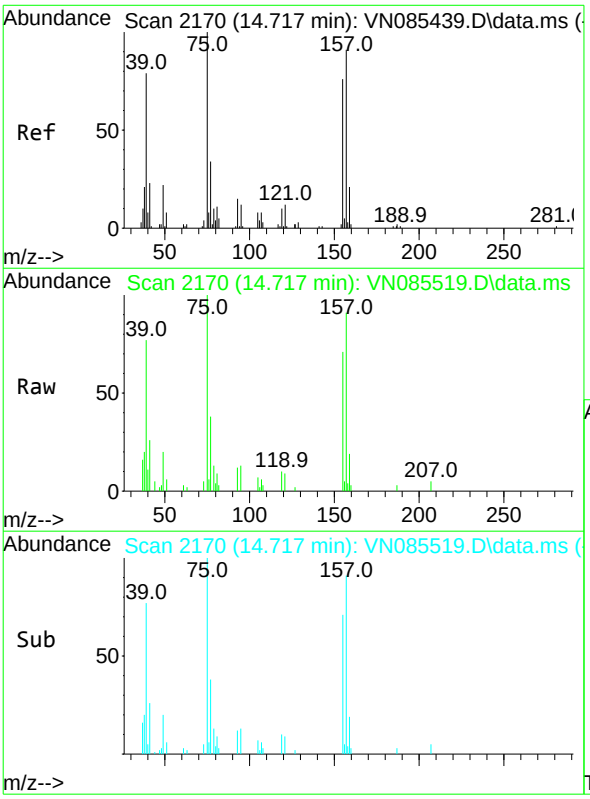


#91
1,2-Dichlorobenzene
Concen: 17.888 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:146 Resp: 85356

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.7	65.1
148	62.8	31.4	94.2

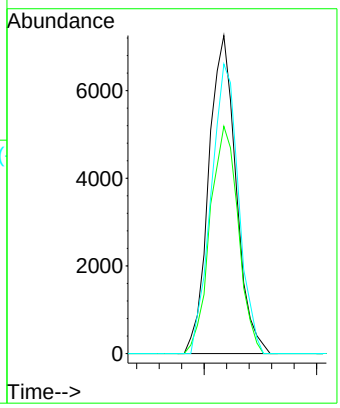


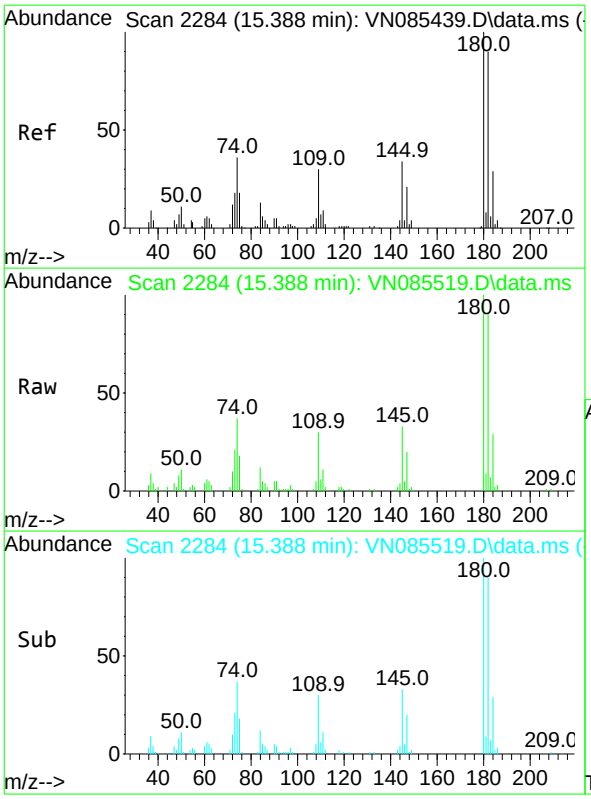


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.073 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion: 75 Resp: 12232

Ion	Ratio	Lower	Upper
75	100		
155	73.7	36.4	109.2
157	91.6	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 17.267 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

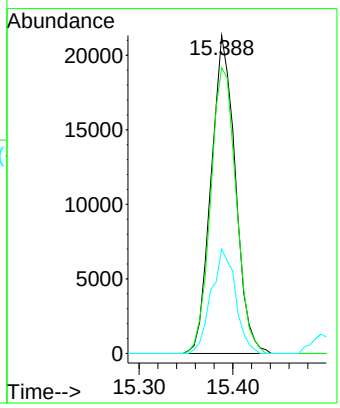
Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

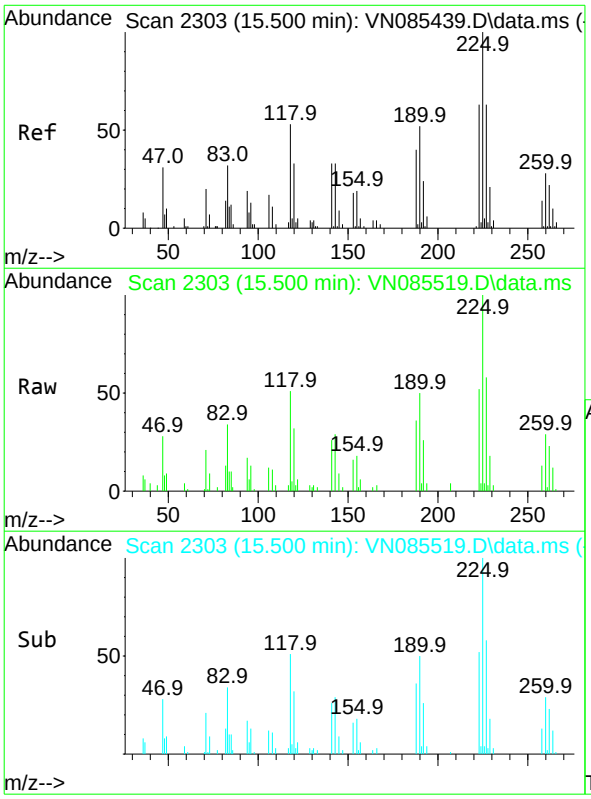
Tgt Ion:180 Resp: 38292

Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.8	140.3
145	32.9	16.0	48.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

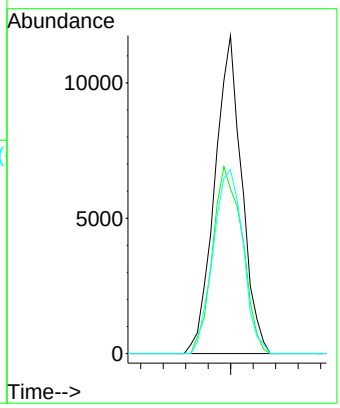


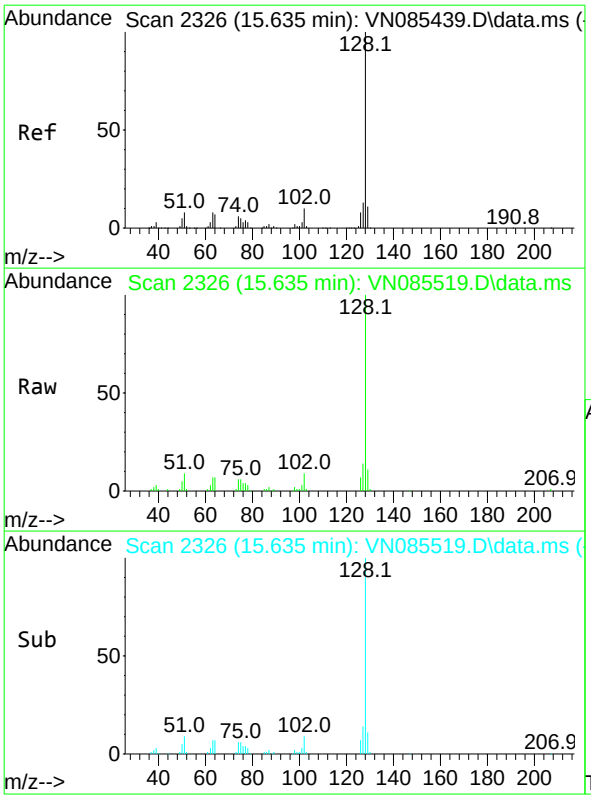


#94
Hexachlorobutadiene
Concen: 16.690 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:225 Resp: 19651

Ion	Ratio	Lower	Upper
225	100		
223	64.6	30.7	92.1
227	64.0	30.9	92.5

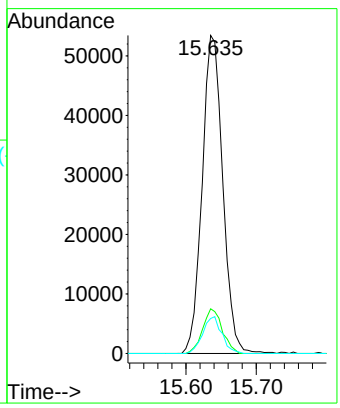




#95
Naphthalene
Concen: 16.458 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:128 Resp: 108913

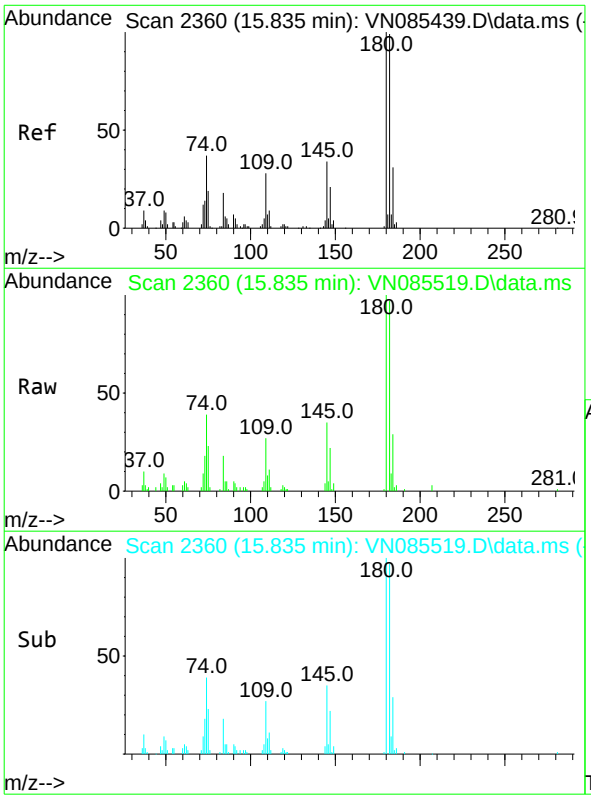
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.7	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBS01

Manual Integrations
APPROVED

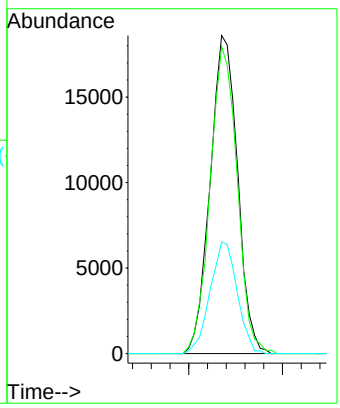
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 16.834 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085519.D
Acq: 27 Jan 2025 16:12

Tgt Ion:180 Resp: 37774

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.2
145	34.8	16.9	50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085529.D
Acq On : 28 Jan 2025 11:15
Operator : JC\MD
Sample : VN0128WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 00:35:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	185562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	153168	51.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.280%			
35) Dibromofluoromethane	8.165	113	113571	53.225	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.460%			
50) Toluene-d8	10.565	98	410056	54.088	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.180%			
62) 4-Bromofluorobenzene	12.847	95	134929	52.029	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	45881	18.261	ug/l	99
3) Chloromethane	2.359	50	46936	17.254	ug/l	98
4) Vinyl Chloride	2.512	62	49715	18.182	ug/l	98
5) Bromomethane	2.965	94	32217	19.506	ug/l	93
6) Chloroethane	3.118	64	34288	19.780	ug/l	95
7) Trichlorofluoromethane	3.501	101	82151	20.707	ug/l	94
8) Diethyl Ether	3.959	74	26345	19.222	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	45774	20.484	ug/l	98
10) Methyl Iodide	4.589	142	50026	19.549	ug/l	95
11) Tert butyl alcohol	5.512	59	37334	108.849	ug/l	99
12) 1,1-Dichloroethene	4.342	96	37952	19.057	ug/l	93
13) Acrolein	4.177	56	39646	84.676	ug/l	98
14) Allyl chloride	5.024	41	59056	18.275	ug/l	98
15) Acrylonitrile	5.712	53	116207	106.667	ug/l	98
16) Acetone	4.424	43	101360	104.730	ug/l	94
17) Carbon Disulfide	4.706	76	100344	16.364	ug/l	98
18) Methyl Acetate	5.018	43	66988	22.762	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	135056	20.885	ug/l	97
20) Methylene Chloride	5.277	84	47487	19.820	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	40233	18.903	ug/l	94
22) Diisopropyl ether	6.671	45	147403	20.550	ug/l	97
23) Vinyl Acetate	6.600	43	516002	102.796	ug/l	99
24) 1,1-Dichloroethane	6.565	63	87952	20.110	ug/l	99
25) 2-Butanone	7.477	43	153642	107.876	ug/l	98
26) 2,2-Dichloropropane	7.488	77	78263	22.133	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	49822	19.875	ug/l	99
28) Bromochloromethane	7.812	49	32851	16.145	ug/l	96
29) Tetrahydrofuran	7.836	42	102010	112.971	ug/l	99
30) Chloroform	7.965	83	92905	20.553	ug/l	93
31) Cyclohexane	8.253	56	67069	17.643	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	80919	20.408	ug/l	97
36) 1,1-Dichloropropene	8.365	75	58916	19.673	ug/l	99
37) Ethyl Acetate	7.553	43	62638	20.722	ug/l	98
38) Carbon Tetrachloride	8.359	117	70429	20.543	ug/l	97
39) Methylcyclohexane	9.600	83	53089	18.865	ug/l	96
40) Benzene	8.606	78	186111	20.683	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085529.D
Acq On : 28 Jan 2025 11:15
Operator : JC\MD
Sample : VN0128WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 00:35:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	33670	21.410	ug/l		98
42) 1,2-Dichloroethane	8.665	62	71068	20.970	ug/l		100
43) Isopropyl Acetate	8.688	43	105036	21.686	ug/l		99
44) Trichloroethene	9.347	130	42674	20.374	ug/l		97
45) 1,2-Dichloropropane	9.618	63	47674	20.743	ug/l		98
46) Dibromomethane	9.706	93	33823	20.395	ug/l		97
47) Bromodichloromethane	9.882	83	73309	21.697	ug/l		97
48) Methyl methacrylate	9.677	41	47567	21.823	ug/l		98
49) 1,4-Dioxane	9.694	88	15432	420.430	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	324778	115.555	ug/l		100
52) Toluene	10.629	92	113994	21.864	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	68322	21.398	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	73429	21.530	ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	45212	21.912	ug/l		94
56) Ethyl methacrylate	10.871	69	62727	19.281	ug/l		98
57) 1,3-Dichloropropane	11.159	76	78623	21.915	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	114984	87.817	ug/l		100
59) 2-Hexanone	11.194	43	234494	118.574	ug/l		98
60) Dibromochloromethane	11.359	129	52835	21.210	ug/l		99
61) 1,2-Dibromoethane	11.471	107	42361	20.625	ug/l		99
64) Tetrachloroethene	11.100	164	40019	21.658	ug/l		99
65) Chlorobenzene	11.888	112	122235	20.586	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	46034	21.124	ug/l		99
67) Ethyl Benzene	11.959	91	201123	20.797	ug/l		98
68) m/p-Xylenes	12.071	106	154069	43.106	ug/l		99
69) o-Xylene	12.394	106	71535	20.943	ug/l		100
70) Styrene	12.412	104	120125	21.250	ug/l		99
71) Bromoform	12.576	173	35108	22.516	ug/l	#	99
73) Isopropylbenzene	12.694	105	178577	20.880	ug/l		98
74) N-amyl acetate	12.488	43	80633	20.975	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	65405	21.649	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	60066m	23.321	ug/l		
77) Bromobenzene	12.976	156	47665	21.332	ug/l		99
78) n-propylbenzene	13.035	91	217855	21.517	ug/l		99
79) 2-Chlorotoluene	13.123	91	138138	21.081	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	154258	21.836	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	21965	23.073	ug/l		87
82) 4-Chlorotoluene	13.218	91	139420	21.369	ug/l		100
83) tert-Butylbenzene	13.435	119	124147	20.926	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	155548	22.092	ug/l		98
85) sec-Butylbenzene	13.612	105	178351	21.691	ug/l		100
86) p-Isopropyltoluene	13.729	119	143953	20.952	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	85729	20.833	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	84406	19.789	ug/l		99
89) n-Butylbenzene	14.053	91	115181	19.526	ug/l		100
90) Hexachloroethane	14.329	117	30558	19.522	ug/l		97
91) 1,2-Dichlorobenzene	14.100	146	83529	20.350	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12961	23.494	ug/l		91
93) 1,2,4-Trichlorobenzene	15.394	180	36081	18.913	ug/l		95
94) Hexachlorobutadiene	15.494	225	20163	19.907	ug/l		98
95) Naphthalene	15.641	128	104713	18.394	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	36634	18.978	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085529.D
Acq On : 28 Jan 2025 11:15
Operator : JC\MD
Sample : VN0128WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 00:35:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085529.D
Acq On : 28 Jan 2025 11:15
Operator : JC\MD
Sample : VN0128WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 00:35:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
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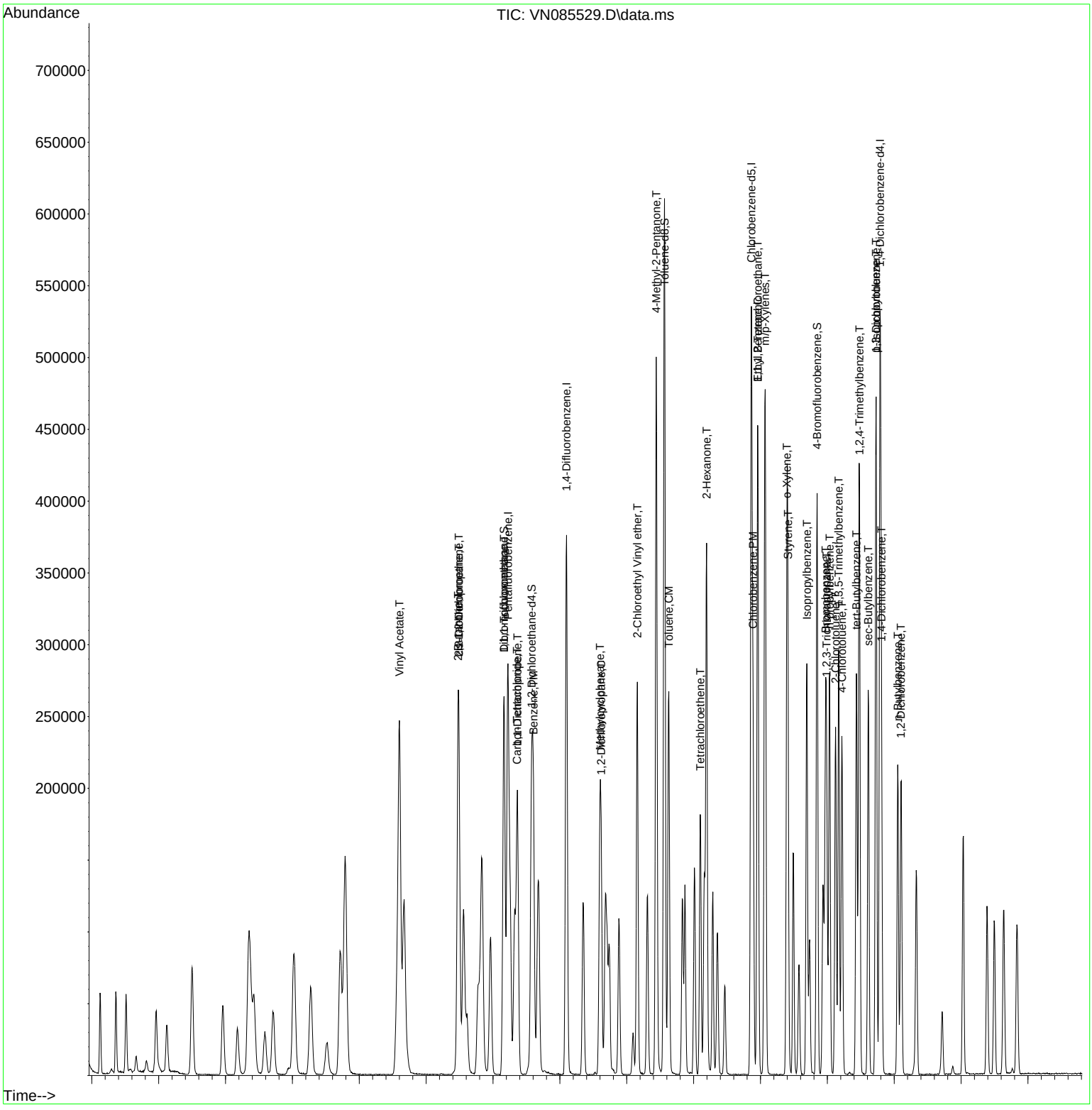
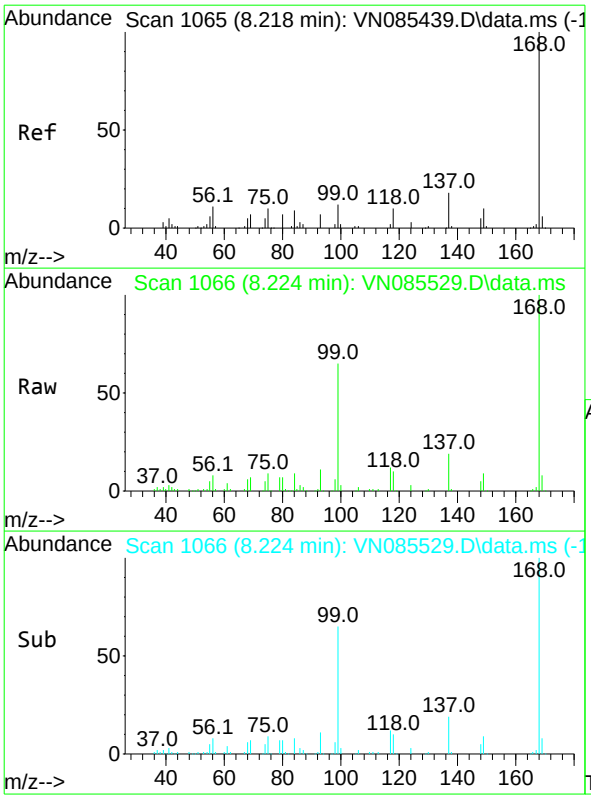
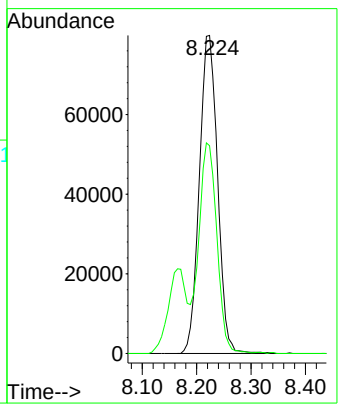




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:168 Resp: 185562

Ion	Ratio	Lower	Upper
168	100		
99	65.3	53.6	80.4



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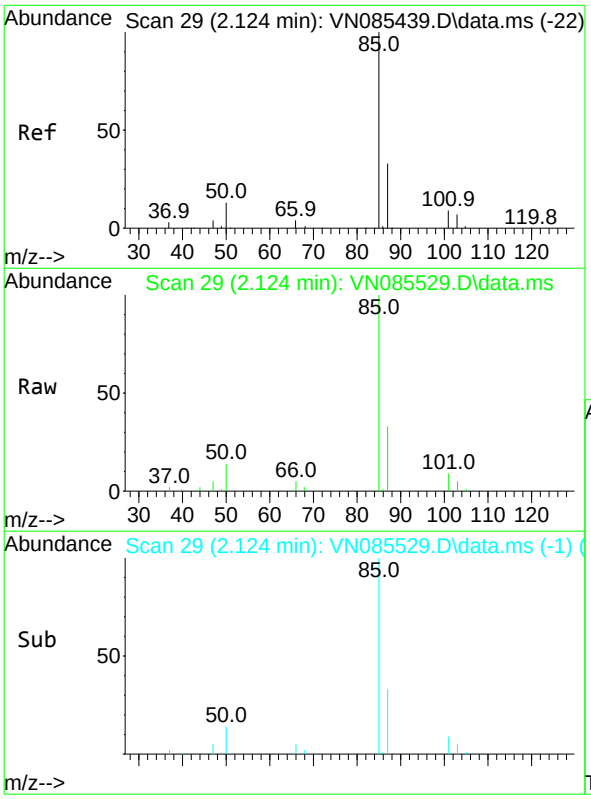
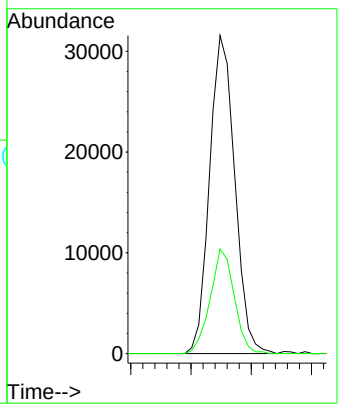


#2
Dichlorodifluoromethane
Concen: 18.261 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 85 Resp: 45881

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.7	50.1



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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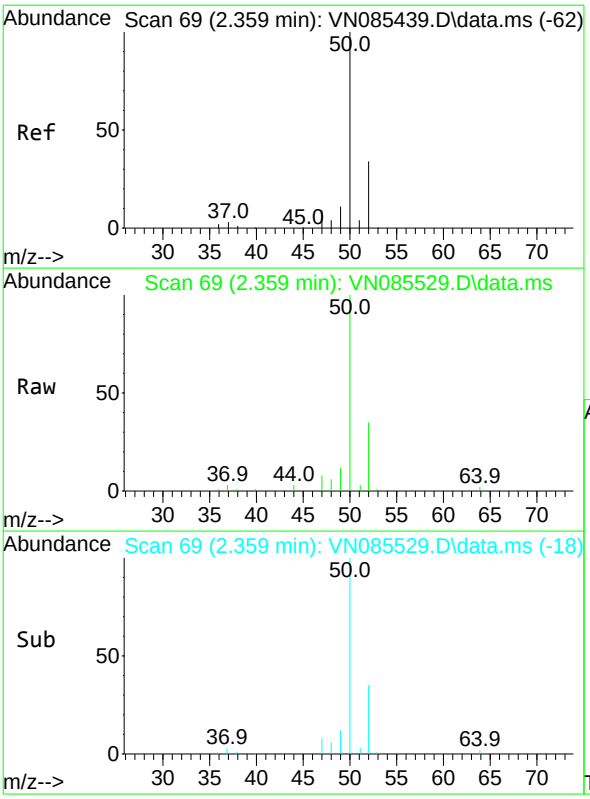
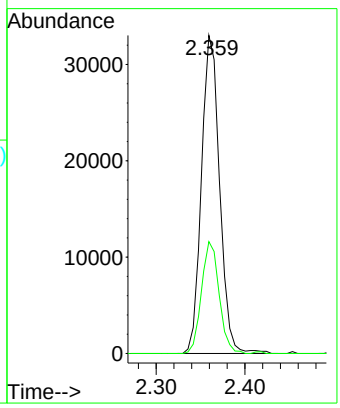
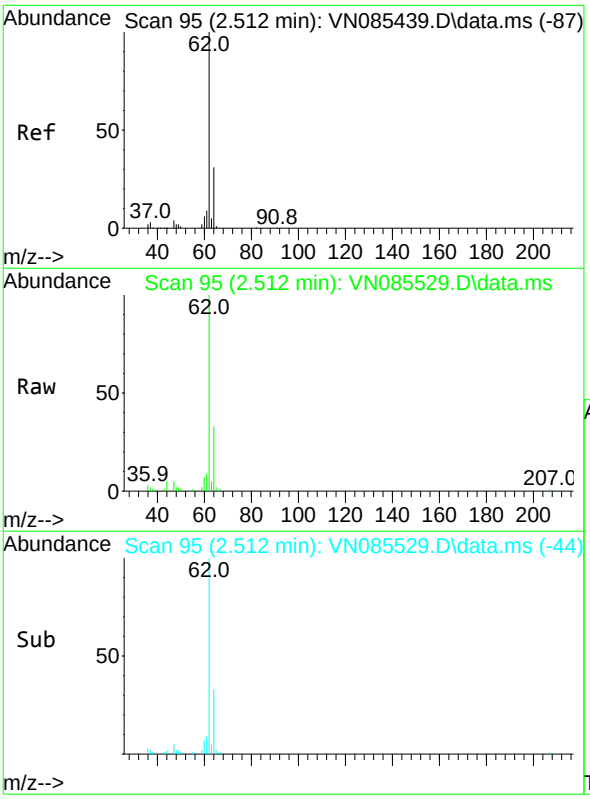


#3
Chloromethane
Concen: 17.254 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 50 Resp: 46936

Ion	Ratio	Lower	Upper
50	100		
52	35.2	27.0	40.6

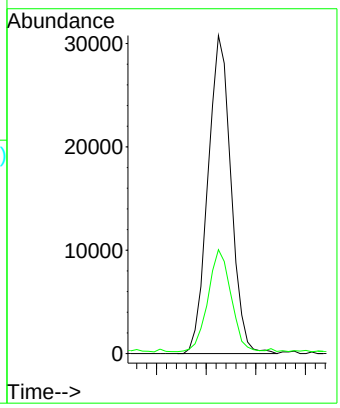


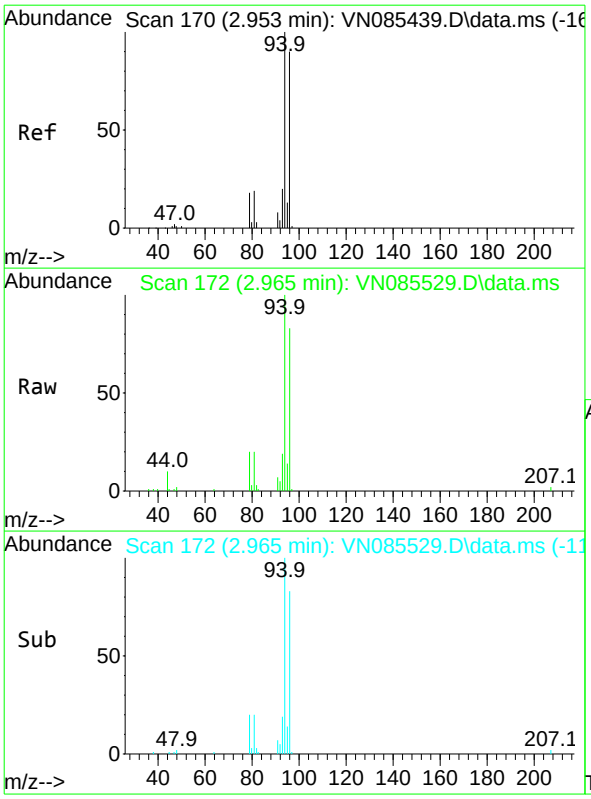


#4
Vinyl Chloride
Concen: 18.182 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 62 Resp: 49715

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.8	37.2

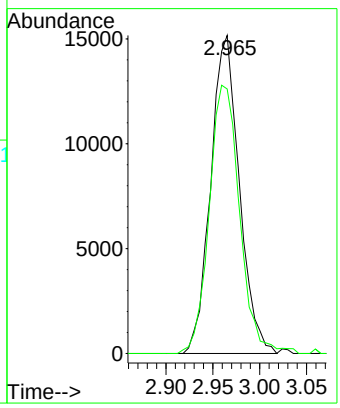




#5
Bromomethane
Concen: 19.506 ug/l
RT: 2.965 min Scan# 17
Delta R.T. 0.012 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 94 Resp: 32217

Ion	Ratio	Lower	Upper
94	100		
96	83.2	71.8	107.6



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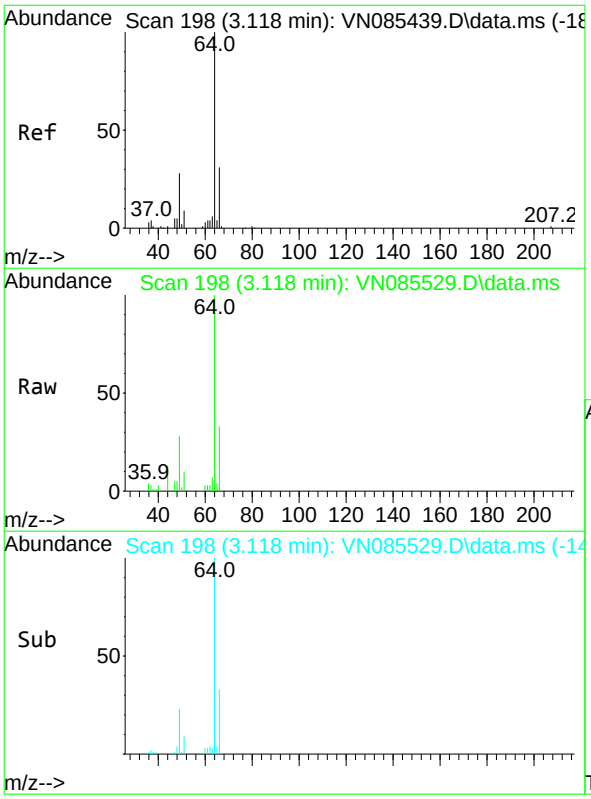
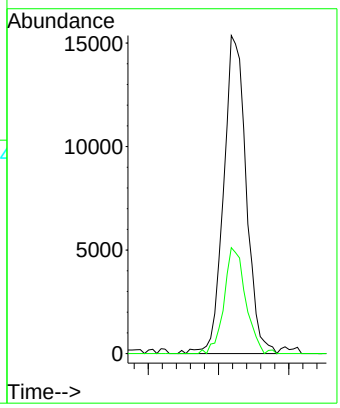
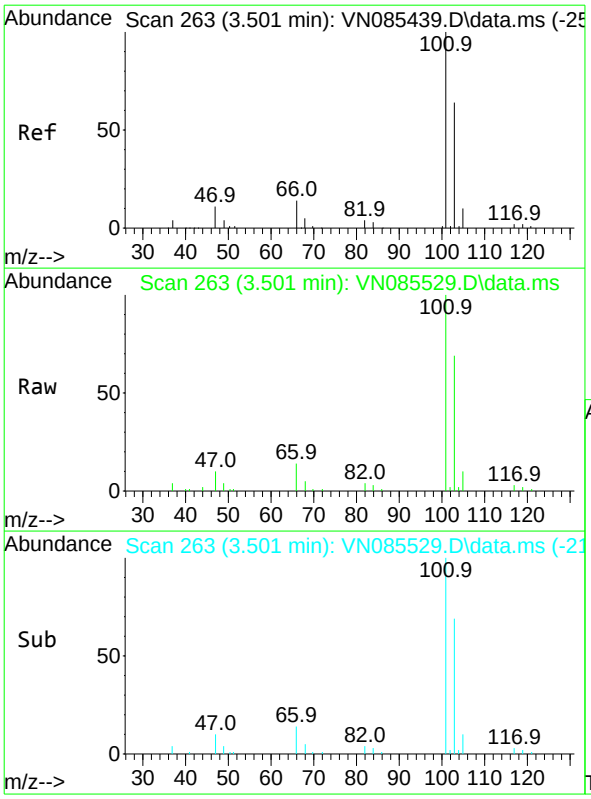


#6
Chloroethane
Concen: 19.780 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 64 Resp: 34288

Ion	Ratio	Lower	Upper
64	100		
66	33.3	24.6	36.8

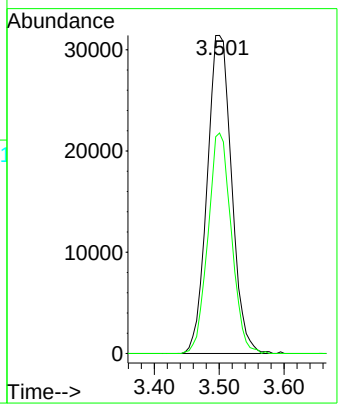




#7
Trichlorofluoromethane
Concen: 20.707 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:101 Resp: 82151

Ion	Ratio	Lower	Upper
101	100		
103	69.3	51.4	77.2



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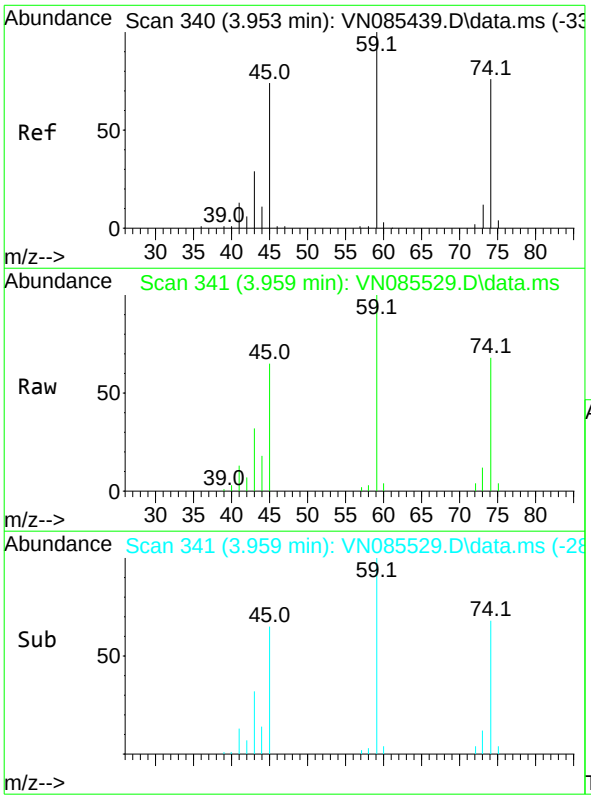
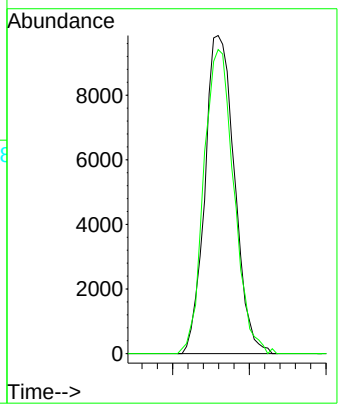
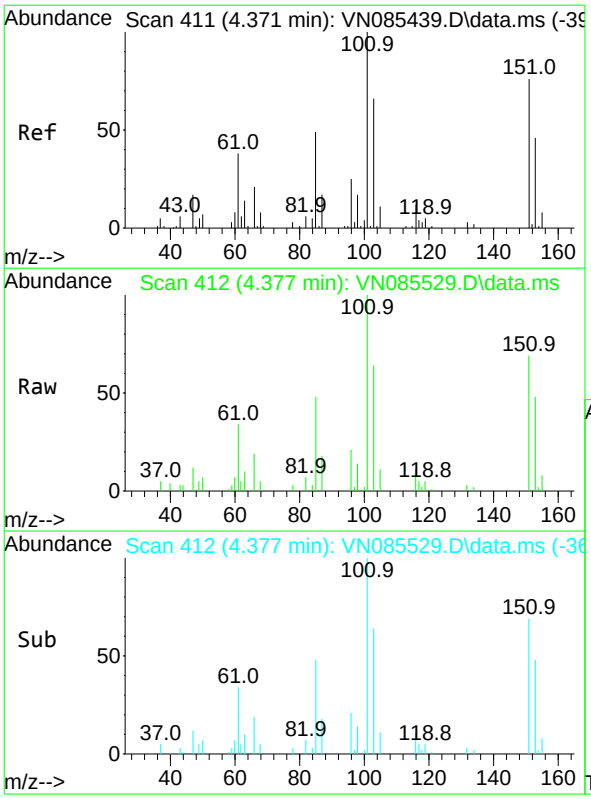


#8
Diethyl Ether
Concen: 19.222 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 74 Resp: 26345

Ion	Ratio	Lower	Upper
74	100		
45	97.4	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.484 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Instrument :
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Tgt Ion:101 Resp: 45774

Ion	Ratio	Lower	Upper
101	100		
85	44.9	37.8	56.8
151	72.0	58.8	88.2

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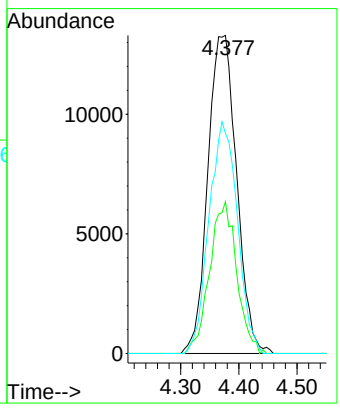
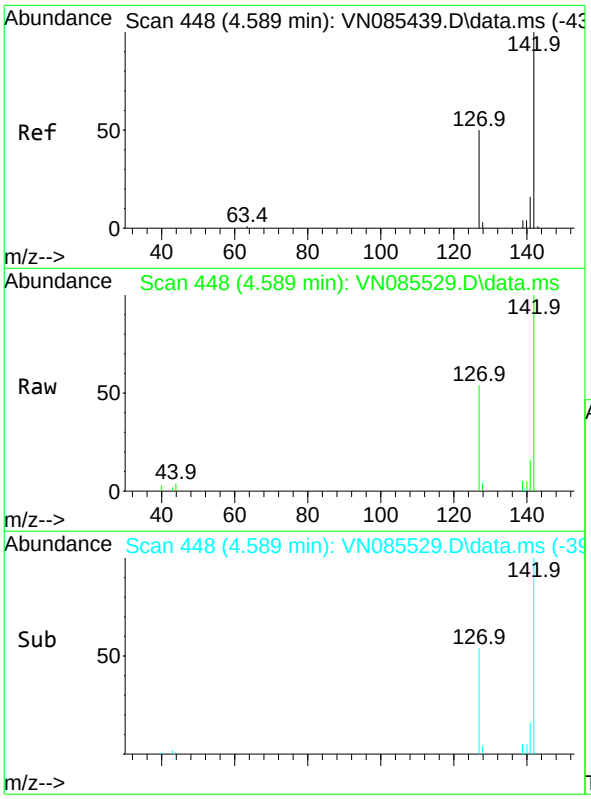
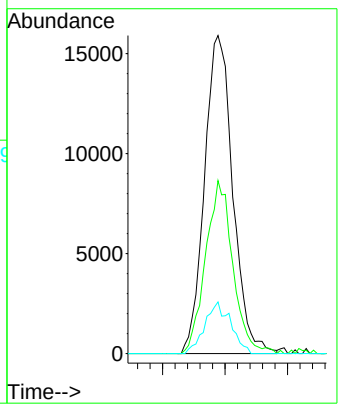


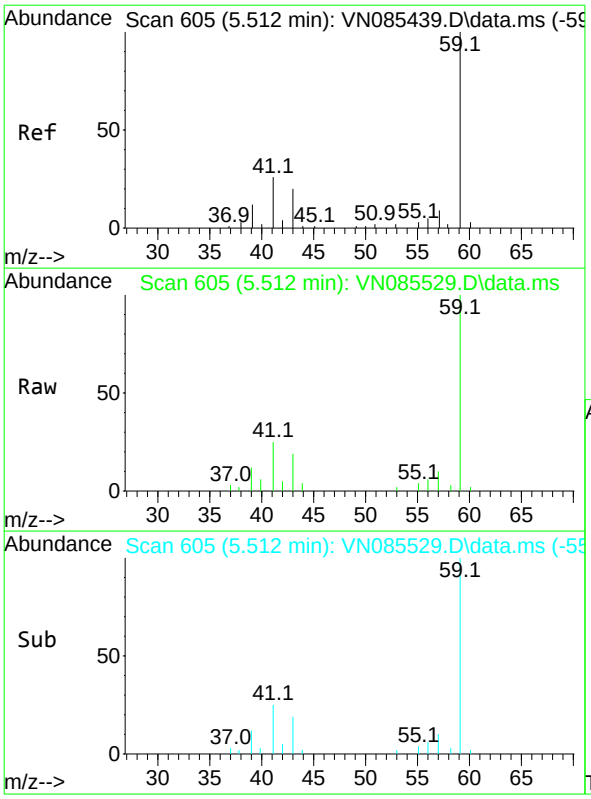


#10
Methyl Iodide
Concen: 19.549 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:142 Resp: 50026

Ion	Ratio	Lower	Upper
142	100		
127	54.4	40.3	60.5
141	16.2	12.8	19.2

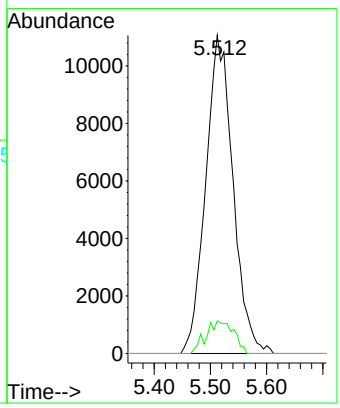




#11
Tert butyl alcohol
Concen: 108.849 ug/l
RT: 5.512 min Scan# 60
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 59 Resp: 37334

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	13.0



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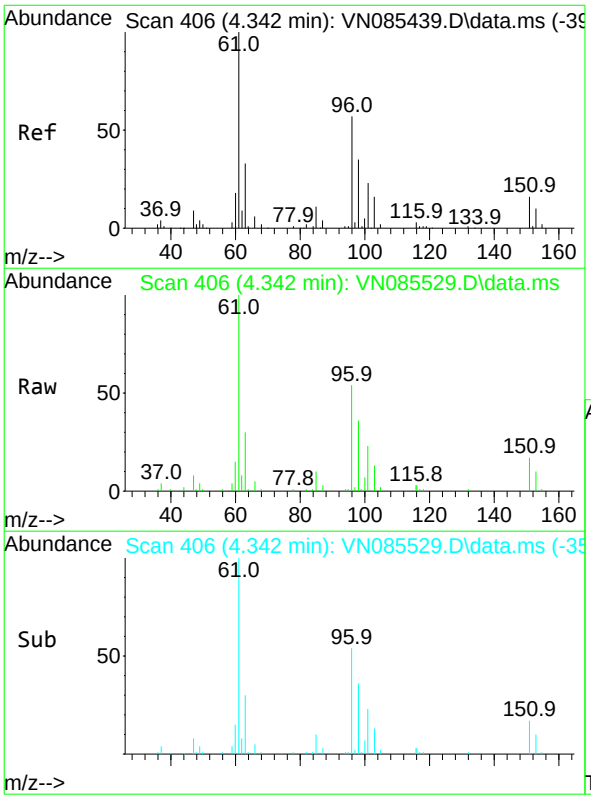
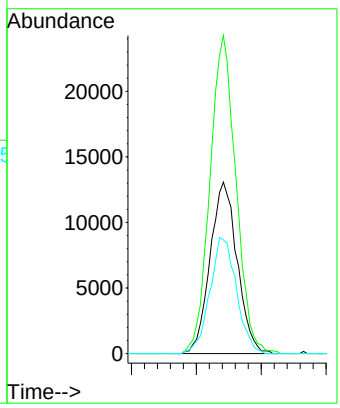
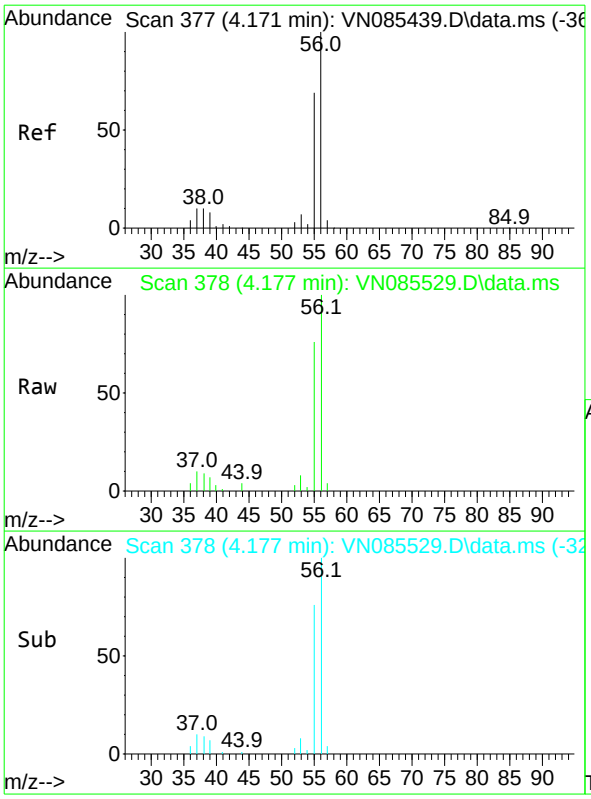


#12
1,1-Dichloroethene
Concen: 19.057 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 96 Resp: 37952

Ion	Ratio	Lower	Upper
96	100		
61	185.5	141.0	211.4
98	66.4	49.0	73.6

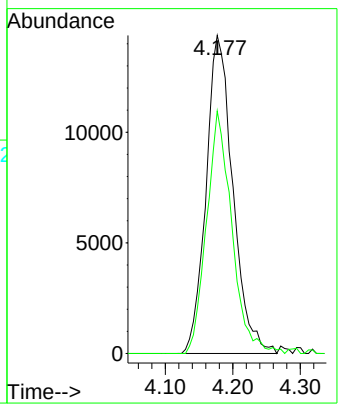




#13
Acrolein
Concen: 84.676 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 56 Resp: 39646

Ion	Ratio	Lower	Upper
56	100		
55	71.9	56.3	84.5



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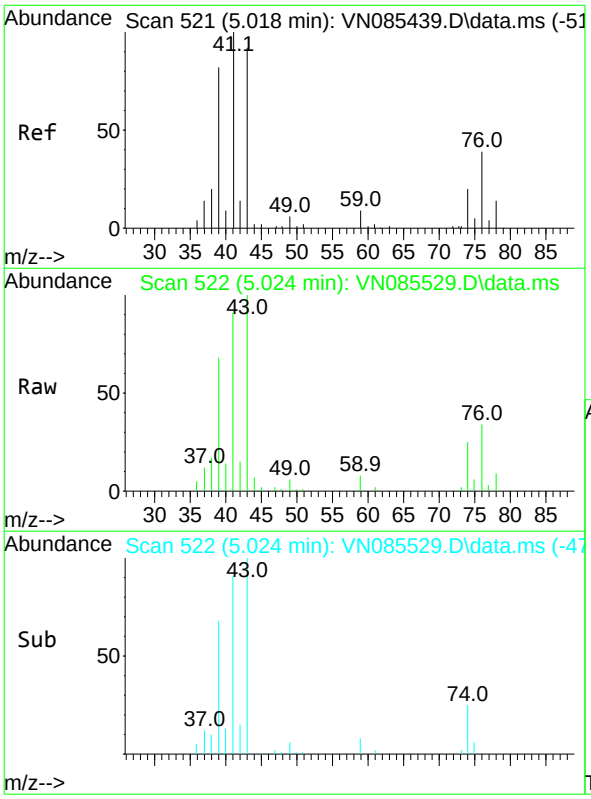
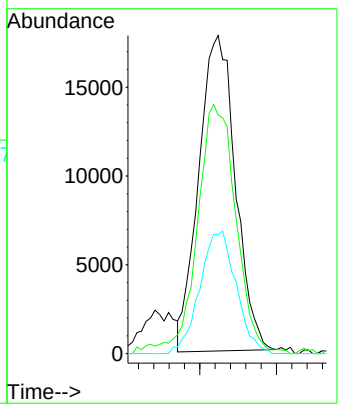
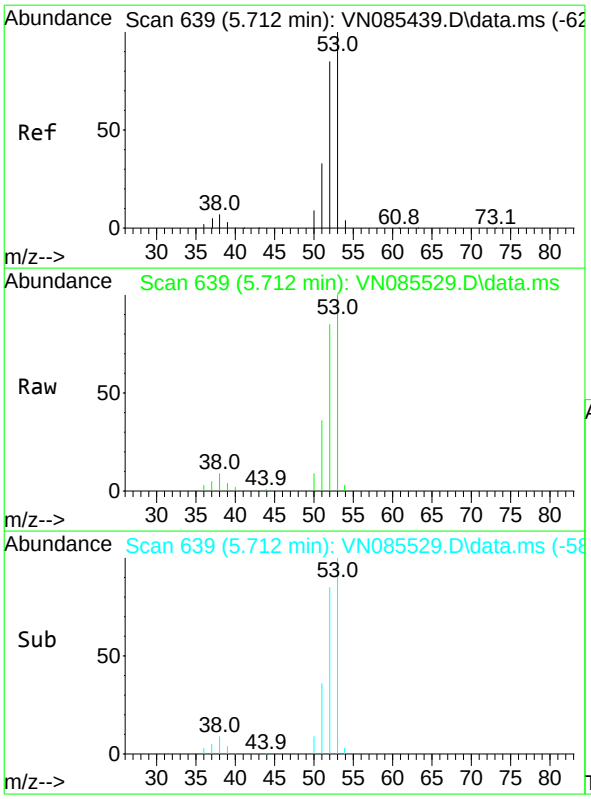


#14
Allyl chloride
Concen: 18.275 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 41 Resp: 59056

Ion	Ratio	Lower	Upper
41	100		
39	83.5	64.4	96.6
76	38.4	30.5	45.7

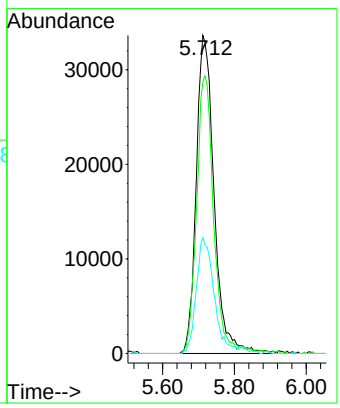




#15
Acrylonitrile
Concen: 106.667 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 53 Resp: 116207

Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.5	98.3
51	36.3	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
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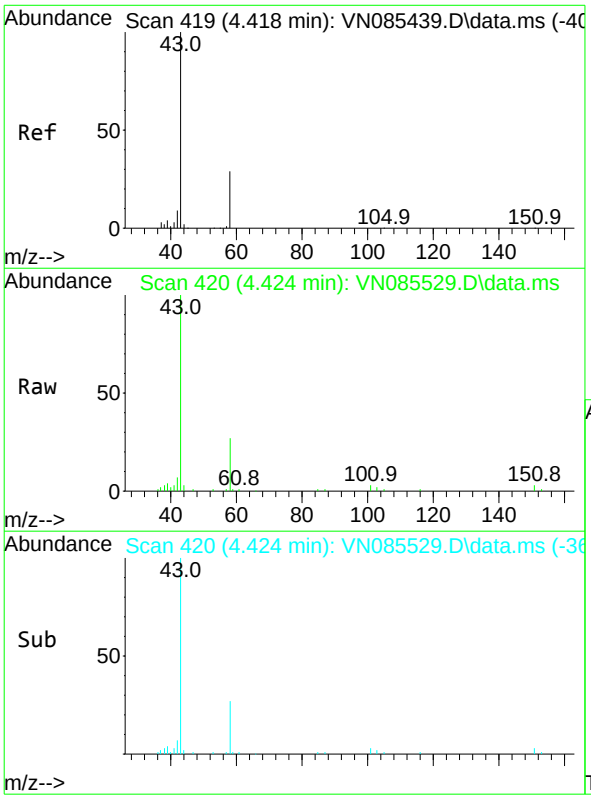
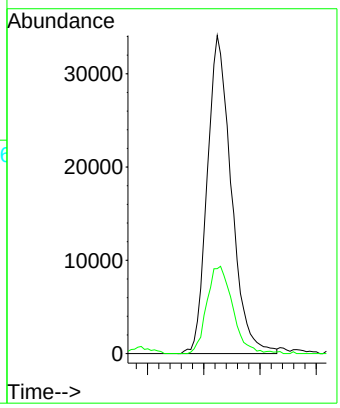
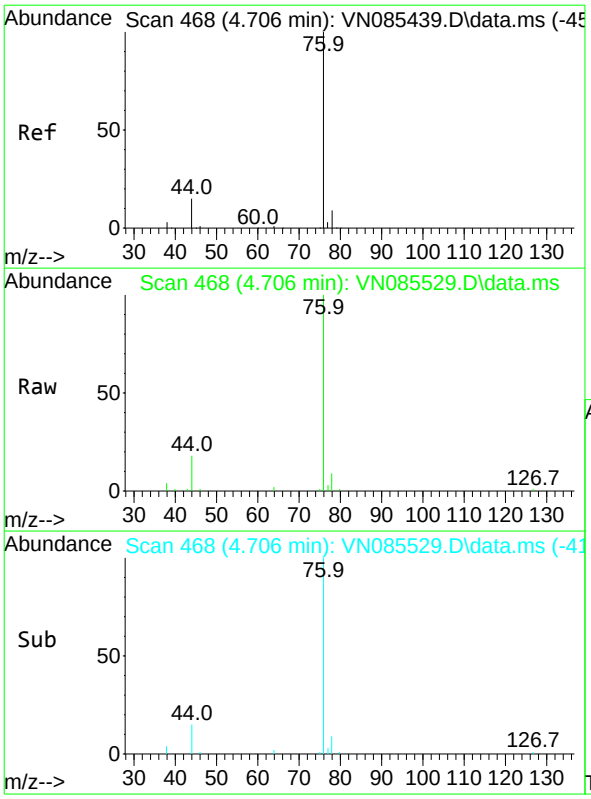


#16
Acetone
Concen: 104.730 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 43 Resp: 101360

Ion	Ratio	Lower	Upper
43	100		
58	26.7	23.8	35.6





#17
Carbon Disulfide
Concen: 16.364 ug/l
RT: 4.706 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 76 Resp: 100344

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

Instrument :
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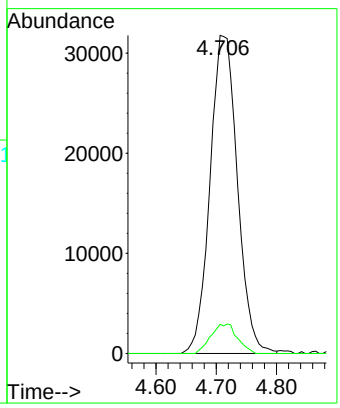
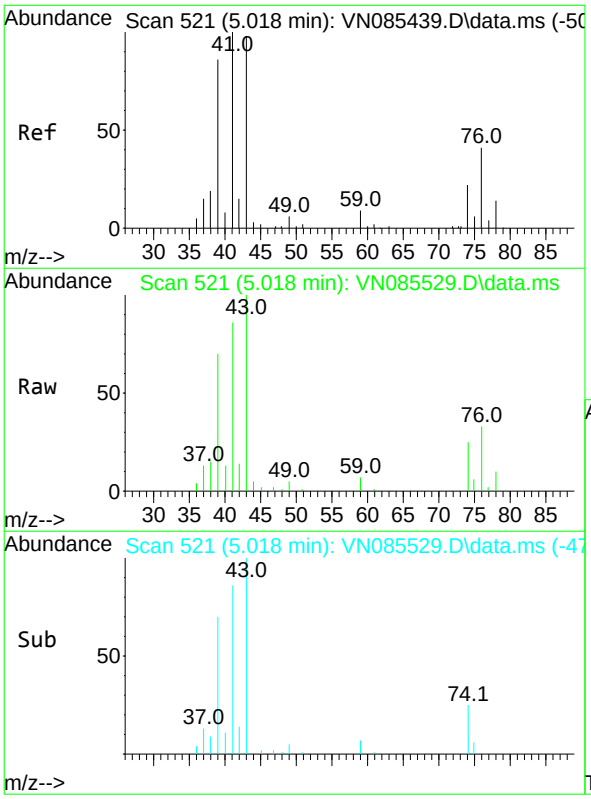
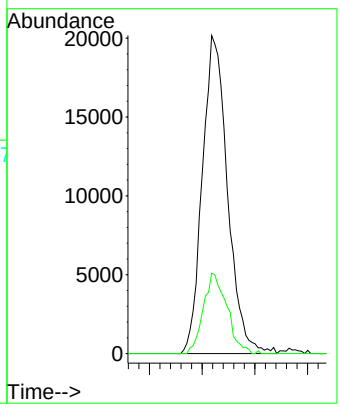




#18
Methyl Acetate
Concen: 22.762 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 43 Resp: 66988

Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.6	28.0



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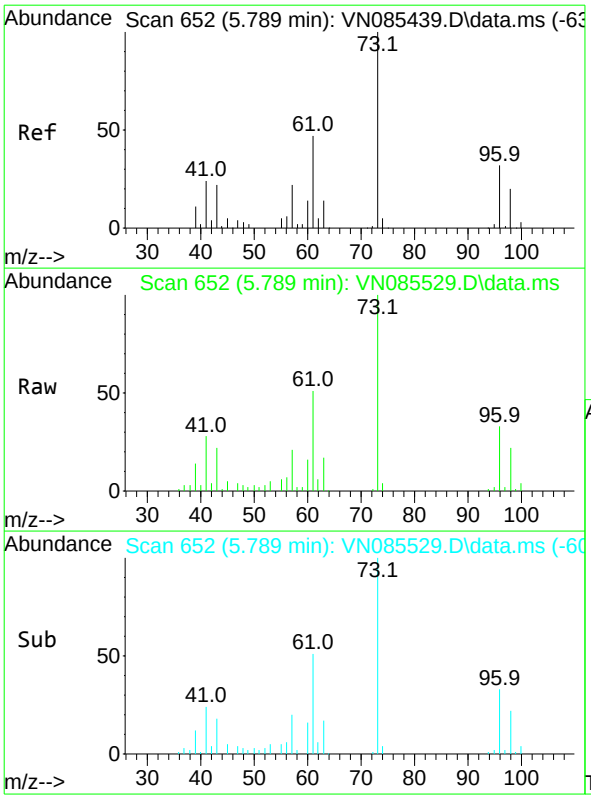
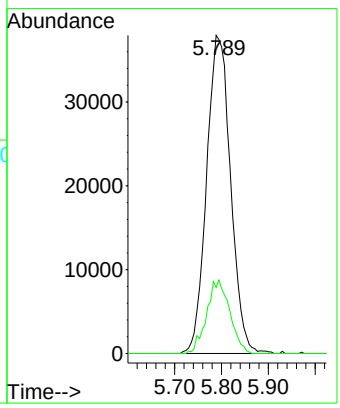


#19
Methyl tert-butyl Ether
Concen: 20.885 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 73 Resp: 135056

Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.8	26.8



Instrument :
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ClientSampleId :
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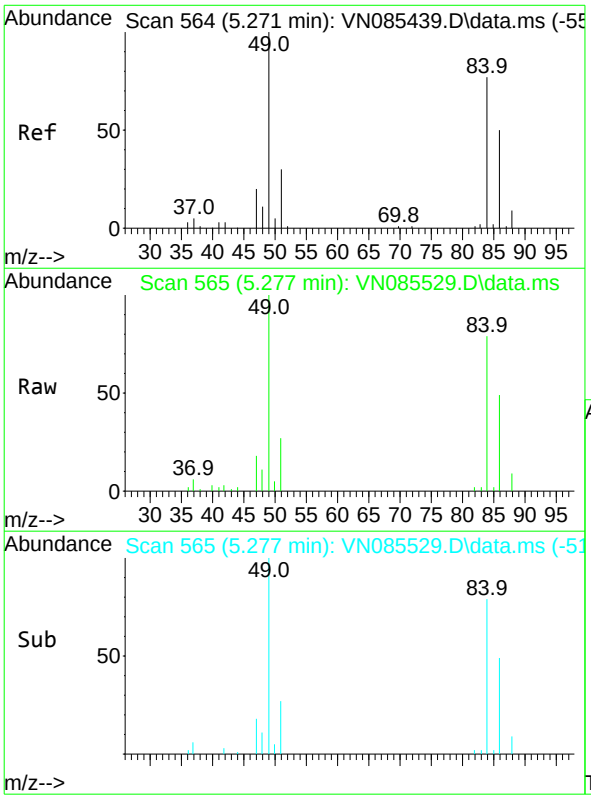
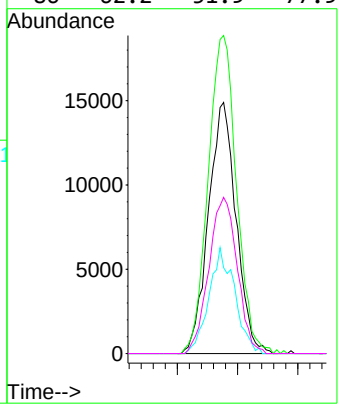
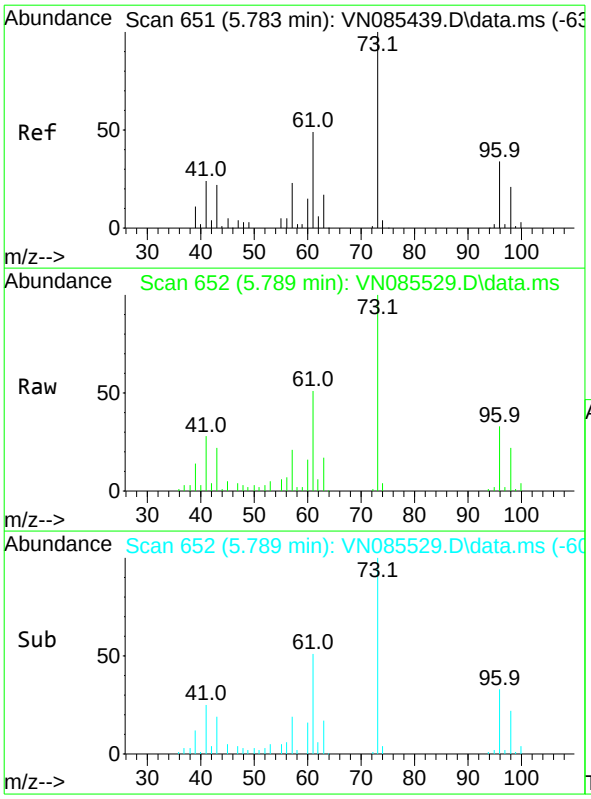


#20
Methylene Chloride
Concen: 19.820 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 84 Resp: 47487

Ion	Ratio	Lower	Upper
84	100		
49	126.6	104.1	156.1
51	34.2	31.0	46.4
86	62.2	51.9	77.9

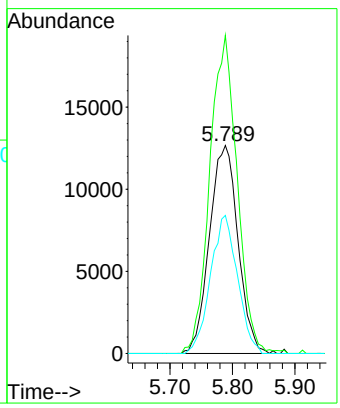




#21
trans-1,2-Dichloroethene
Concen: 18.903 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 96 Resp: 40233

Ion	Ratio	Lower	Upper
96	100		
61	152.9	115.7	173.5
98	66.4	49.8	74.8



Instrument :
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ClientSampleId :
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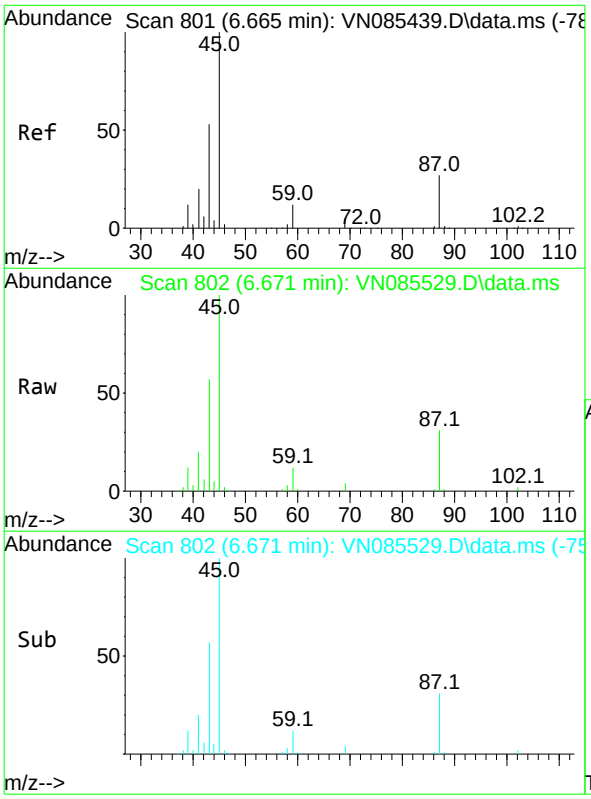
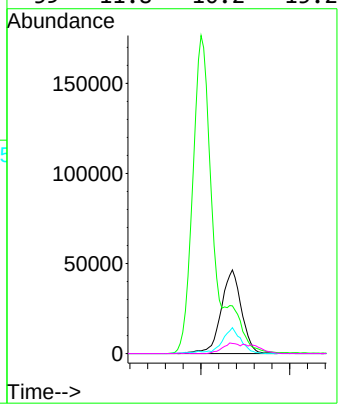


#22
Diisopropyl ether
Concen: 20.550 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 45 Resp: 147403

Ion	Ratio	Lower	Upper
45	100		
43	55.8	45.0	67.6
87	31.0	21.8	32.8
59	11.8	10.2	15.2



Instrument :
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ClientSampleId :
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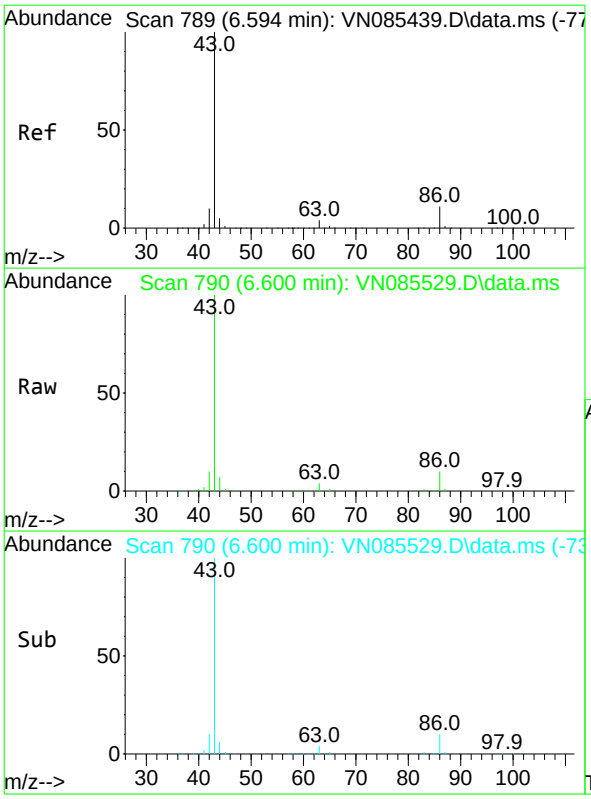
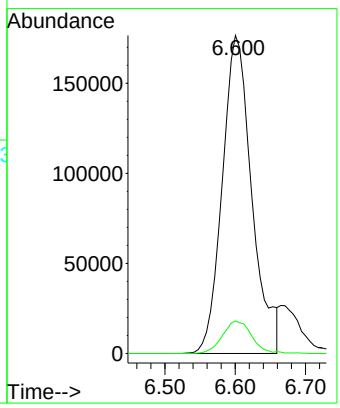
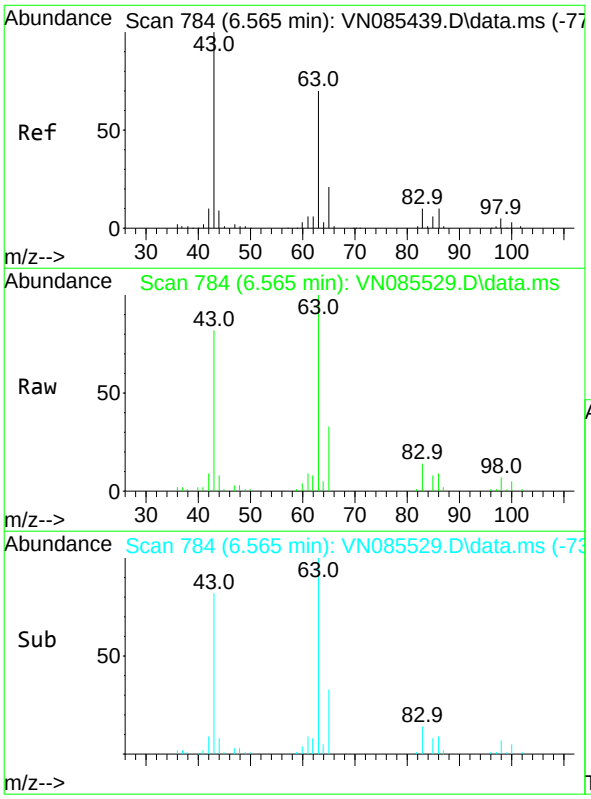


#23
Vinyl Acetate
Concen: 102.796 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 43 Resp: 516002

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.4	12.6

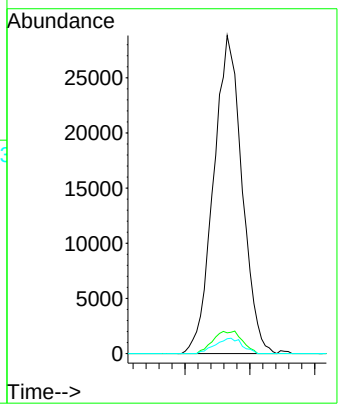


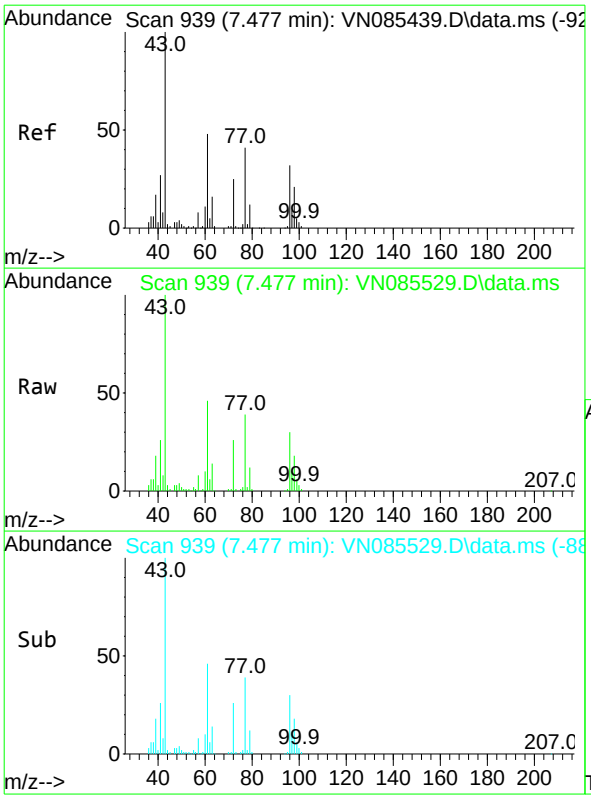


#24
1,1-Dichloroethane
Concen: 20.110 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 63 Resp: 87952

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.7	2.0	6.0





#25
2-Butanone
Concen: 107.876 ug/l
RT: 7.477 min Scan# 93
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 43 Resp: 153642

Ion	Ratio	Lower	Upper
43	100		
72	26.4	20.2	30.4

Instrument :
MSVOA_N
ClientSampleId :
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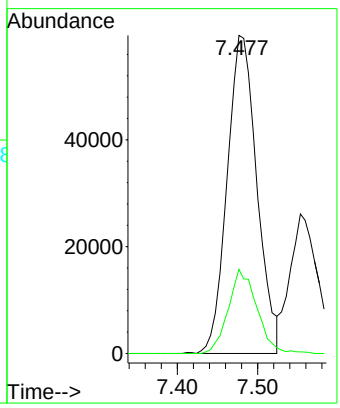
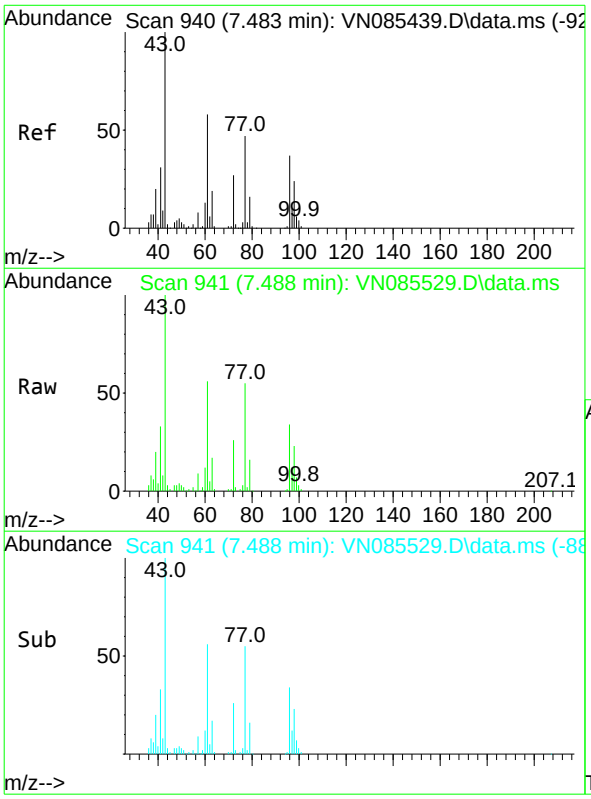
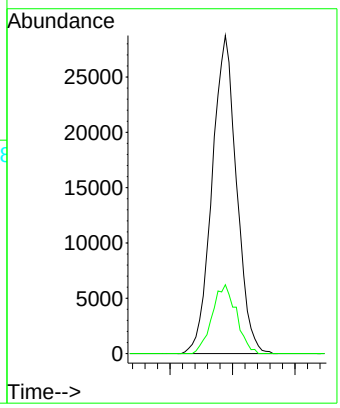


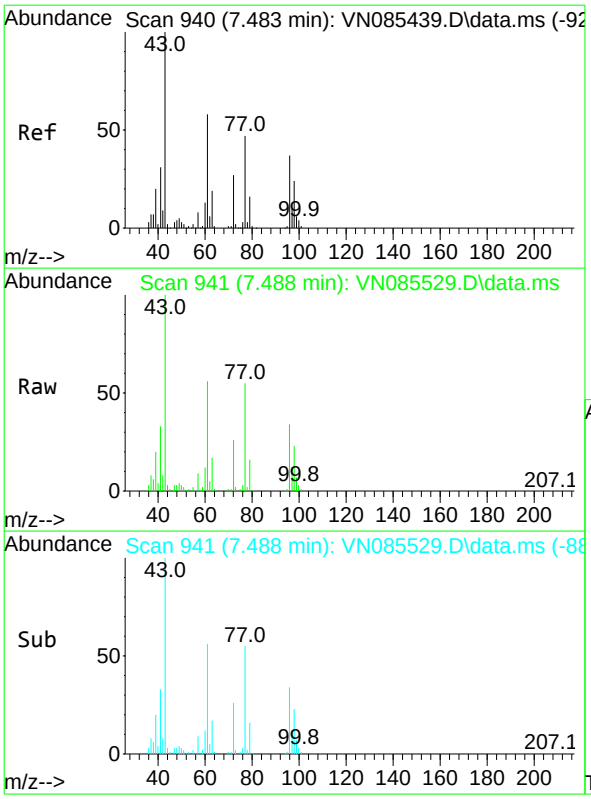


#26
2,2-Dichloropropane
Concen: 22.133 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 77 Resp: 78263

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.7	32.1

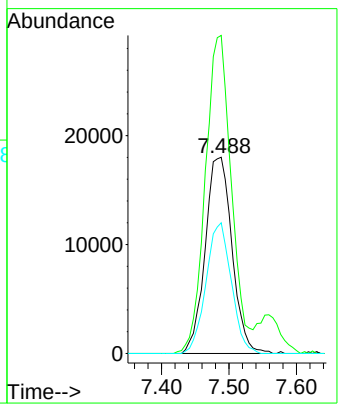




#27
cis-1,2-Dichloroethene
Concen: 19.875 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 96 Resp: 49822

Ion	Ratio	Lower	Upper
96	100		
61	157.4	0.0	311.8
98	62.7	0.0	126.0



Instrument :
MSVOA_N
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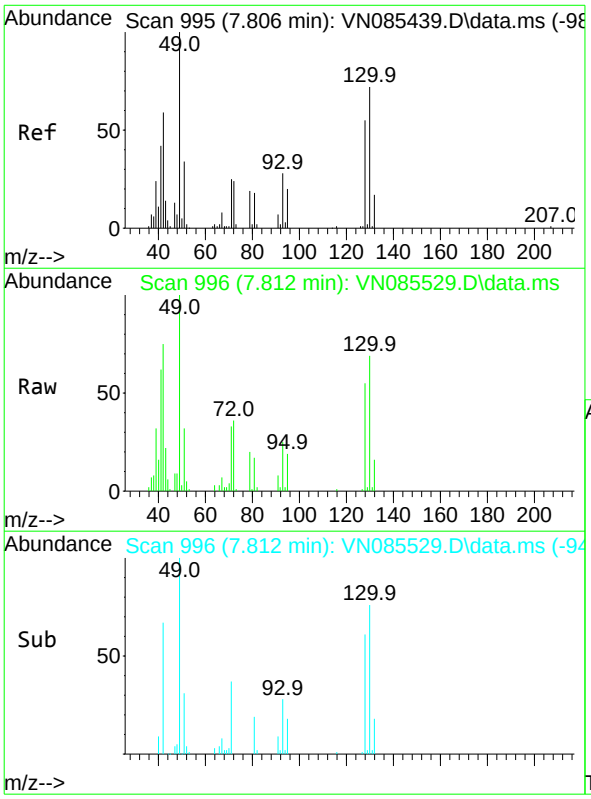
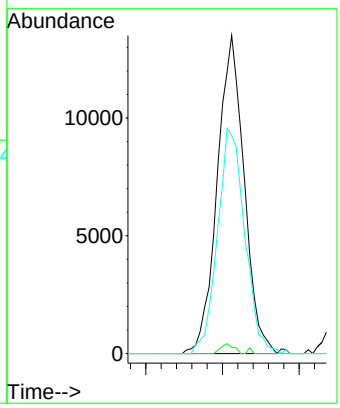
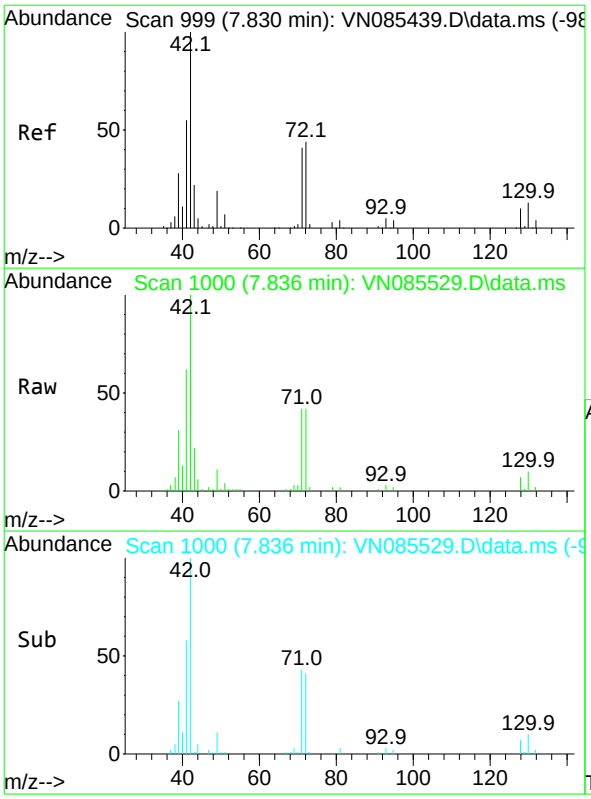


#28
Bromochloromethane
Concen: 16.145 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 49 Resp: 32851

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.4
130	72.0	55.0	82.4

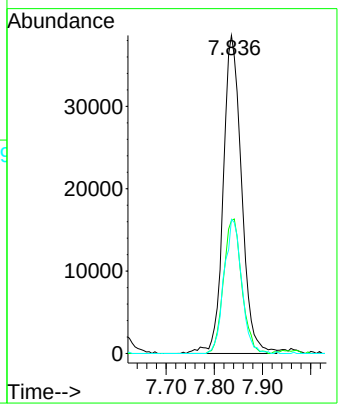




#29
Tetrahydrofuran
Concen: 112.971 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 42 Resp: 102010

Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.2	51.2
71	40.5	32.5	48.7



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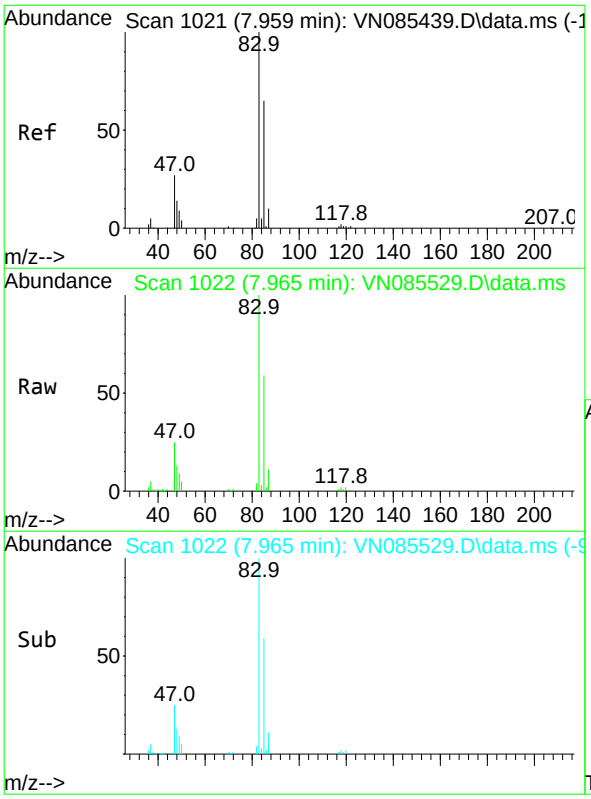
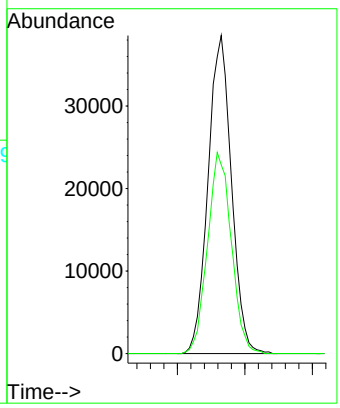
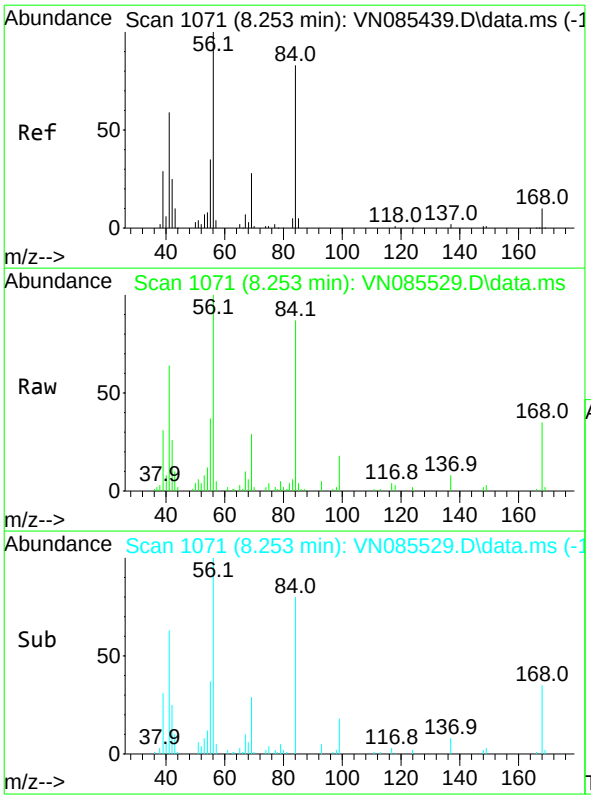


#30
Chloroform
Concen: 20.553 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 83 Resp: 92905

Ion	Ratio	Lower	Upper
83	100		
85	59.4	51.8	77.6

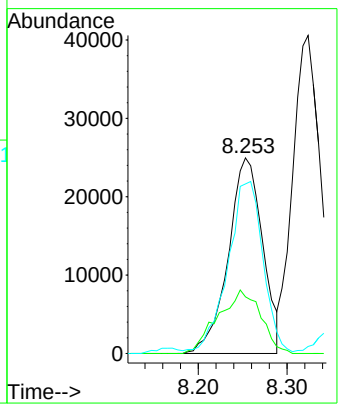




#31
Cyclohexane
Concen: 17.643 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 56 Resp: 67069

Ion	Ratio	Lower	Upper
56	100		
69	29.0	22.2	33.4
84	84.8	66.4	99.6



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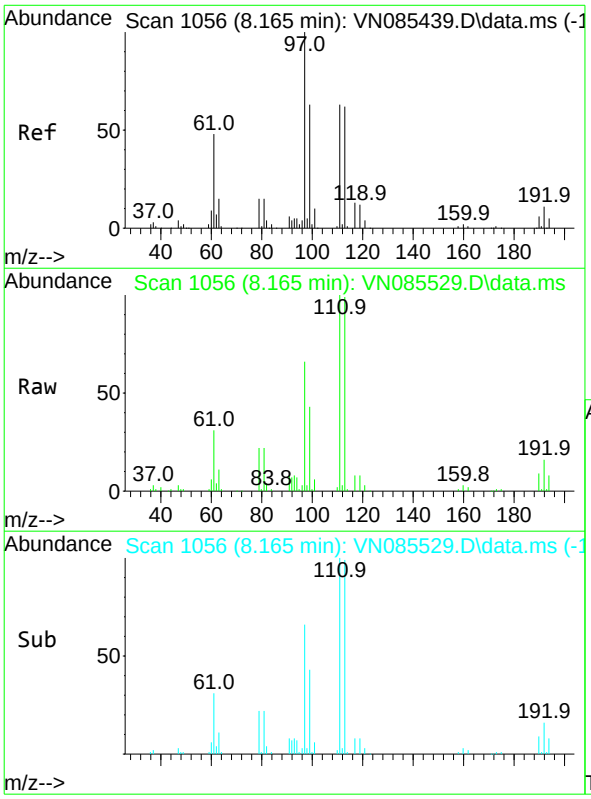
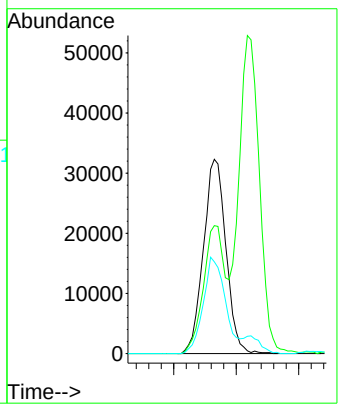


#32
1,1,1-Trichloroethane
Concen: 20.408 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 97 Resp: 80919

Ion	Ratio	Lower	Upper
97	100		
99	63.9	49.8	74.6
61	48.7	41.4	62.2



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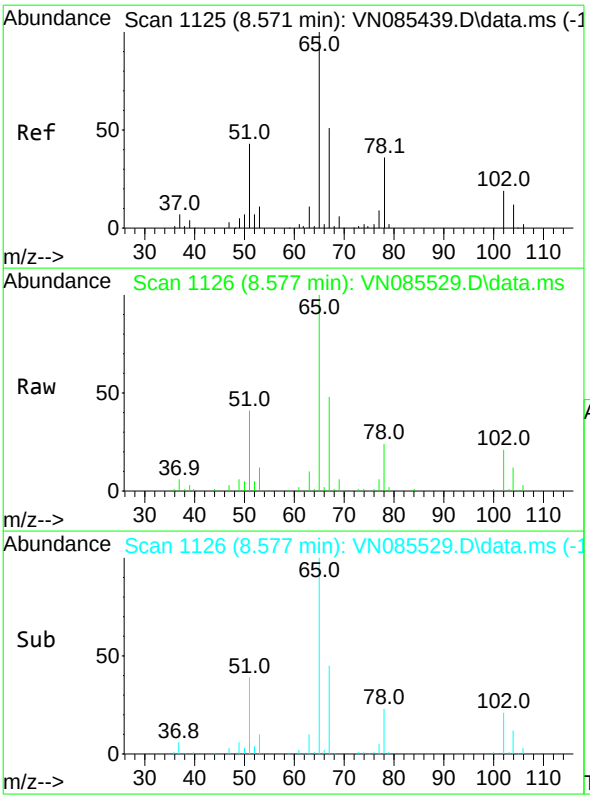
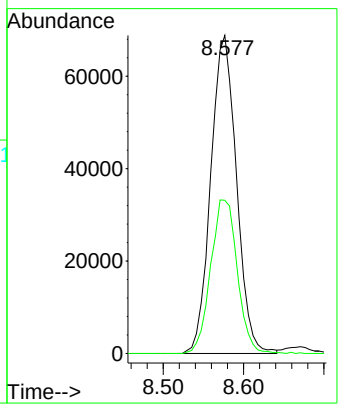
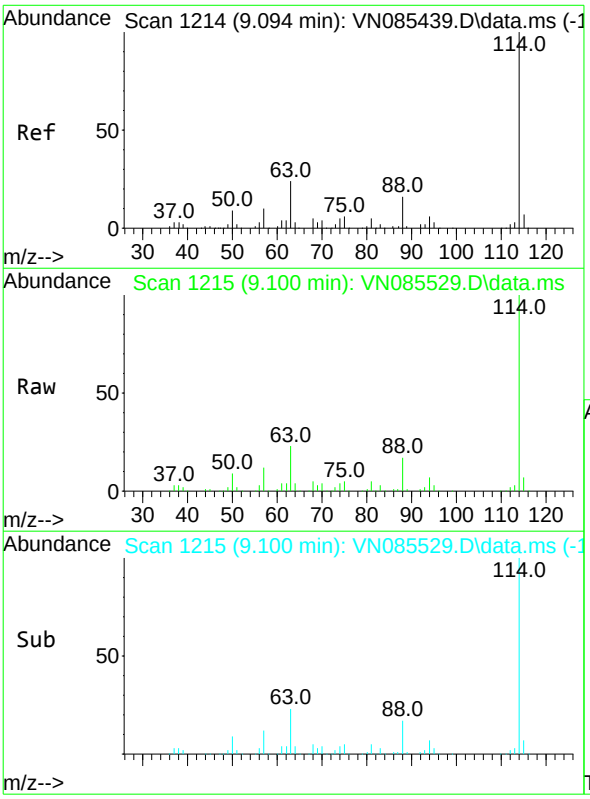


#33
1,2-Dichloroethane-d4
Concen: 51.135 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 65 Resp: 153168

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	101.6

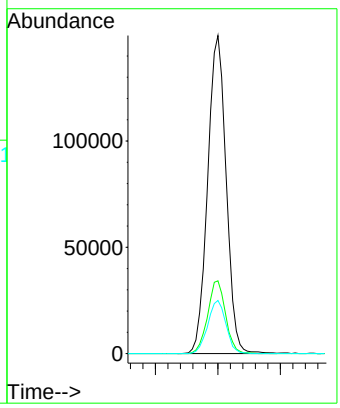


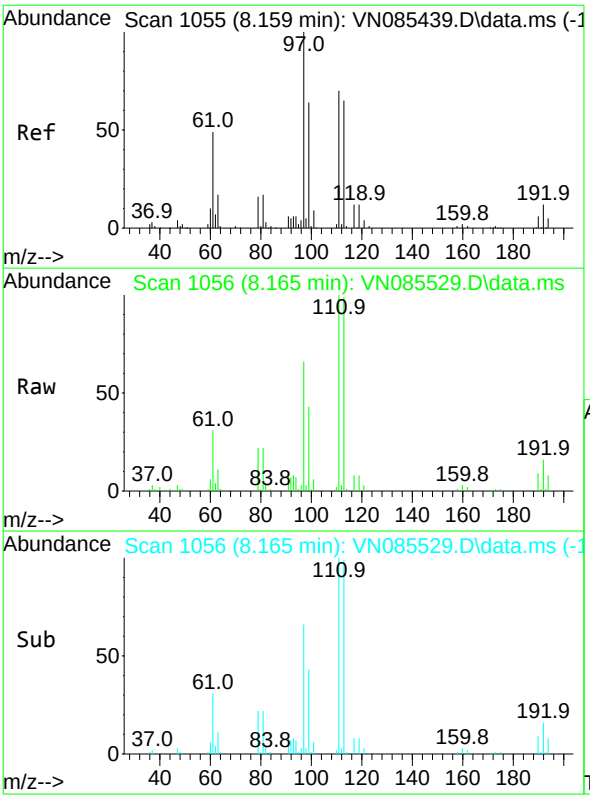


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:114 Resp: 307569

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	47.6
88	16.7	0.0	32.6

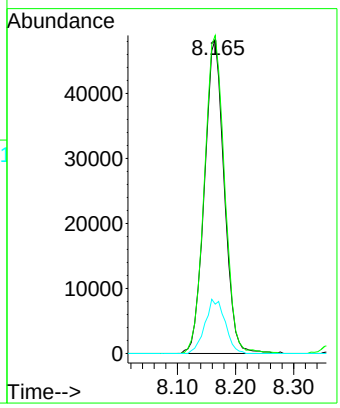




#35
Dibromofluoromethane
Concen: 53.225 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:113 Resp: 113571

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.7	124.1
192	17.7	14.3	21.5



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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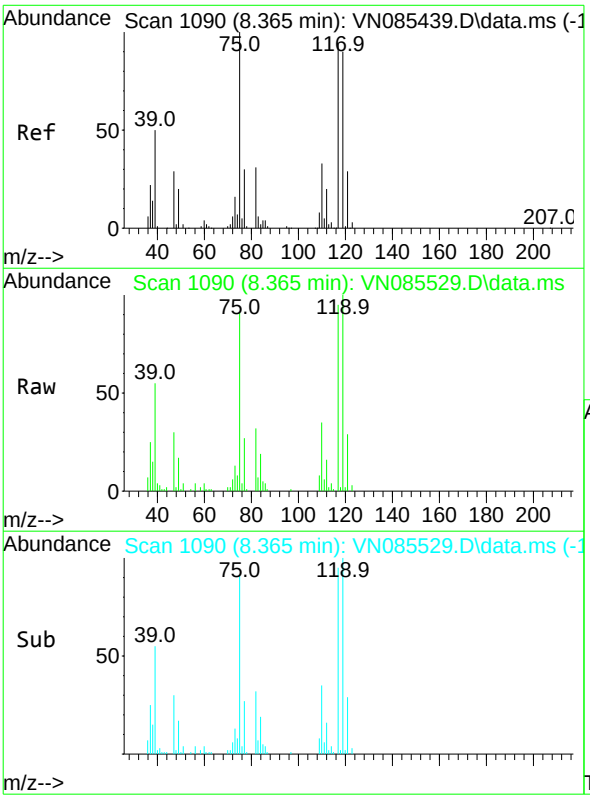
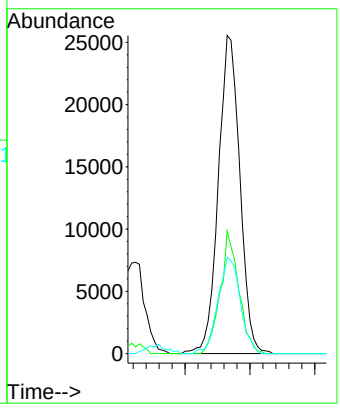
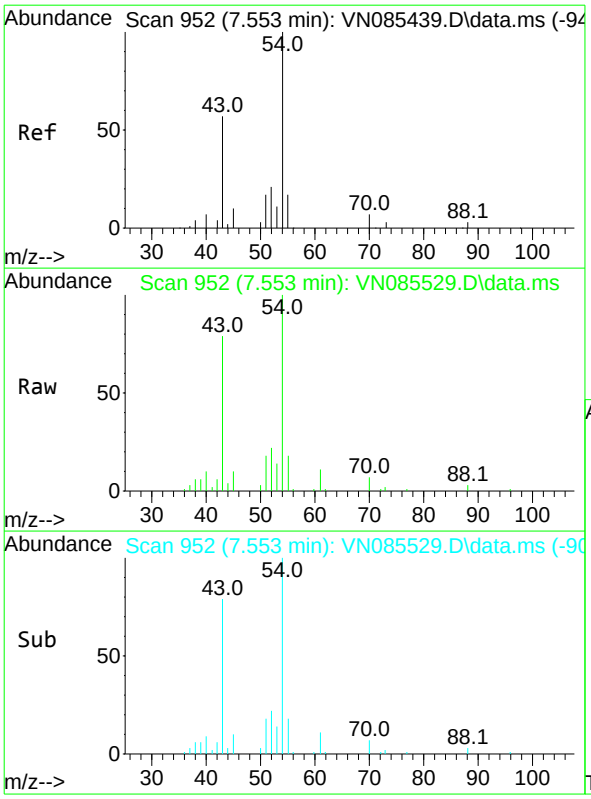


#36
1,1-Dichloropropene
Concen: 19.673 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 75 Resp: 58916

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.5	49.5
77	31.4	24.4	36.6





#37
Ethyl Acetate
Concen: 20.722 ug/l
RT: 7.553 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 43 Resp: 62638

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.9	16.3
70	10.3	7.5	11.3

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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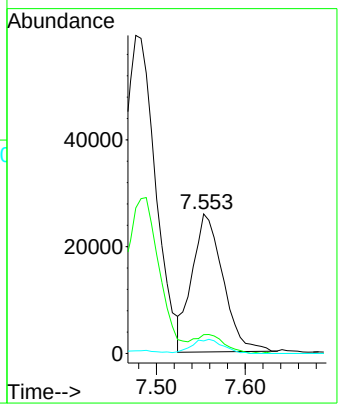
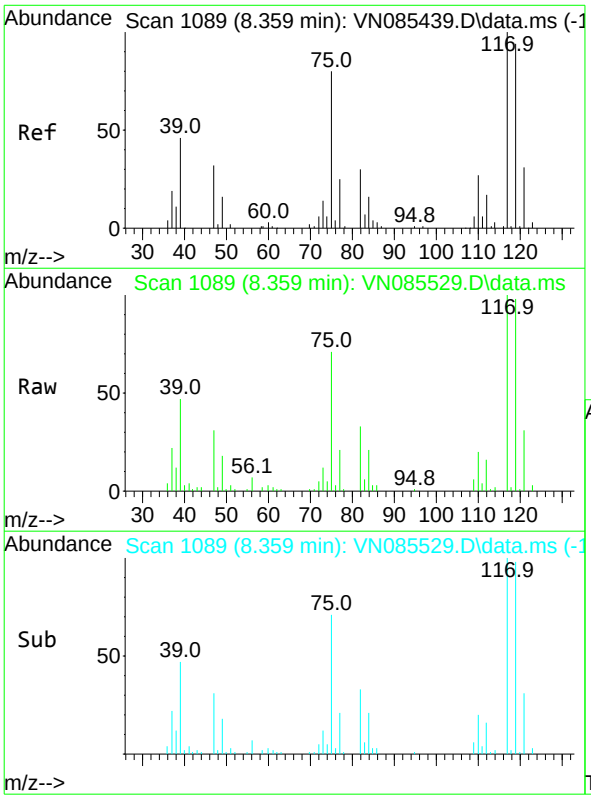
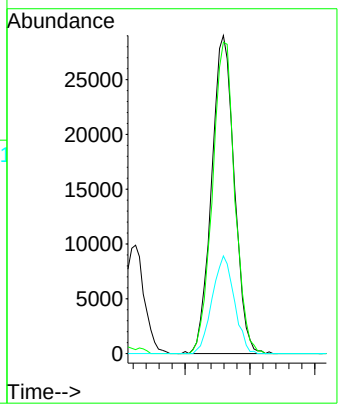


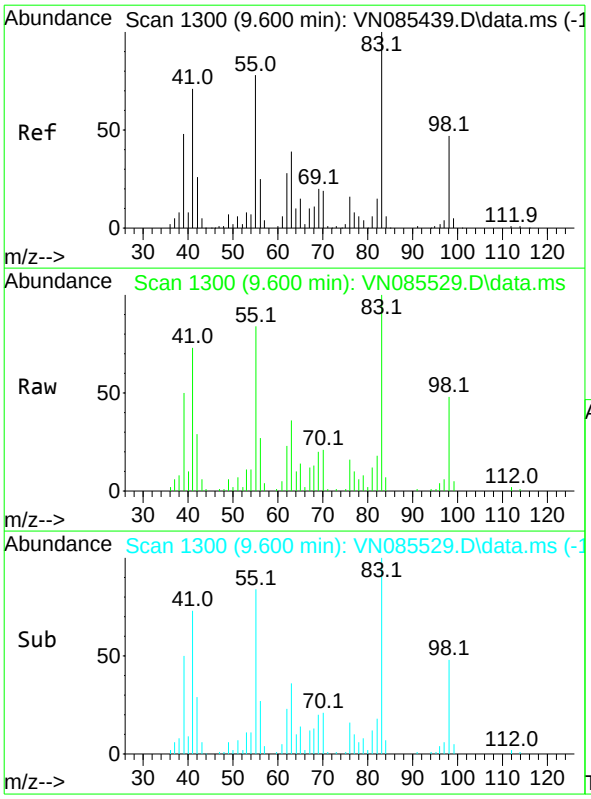


#38
Carbon Tetrachloride
Concen: 20.543 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:117 Resp: 70429

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.4	113.2
121	30.7	24.6	37.0

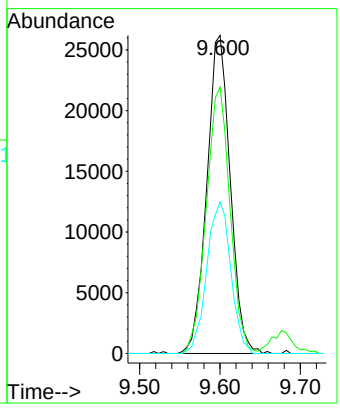




#39
Methylcyclohexane
Concen: 18.865 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 83 Resp: 53089

Ion	Ratio	Lower	Upper
83	100		
55	83.8	62.6	94.0
98	47.6	37.7	56.5



Instrument :
MSVOA_N
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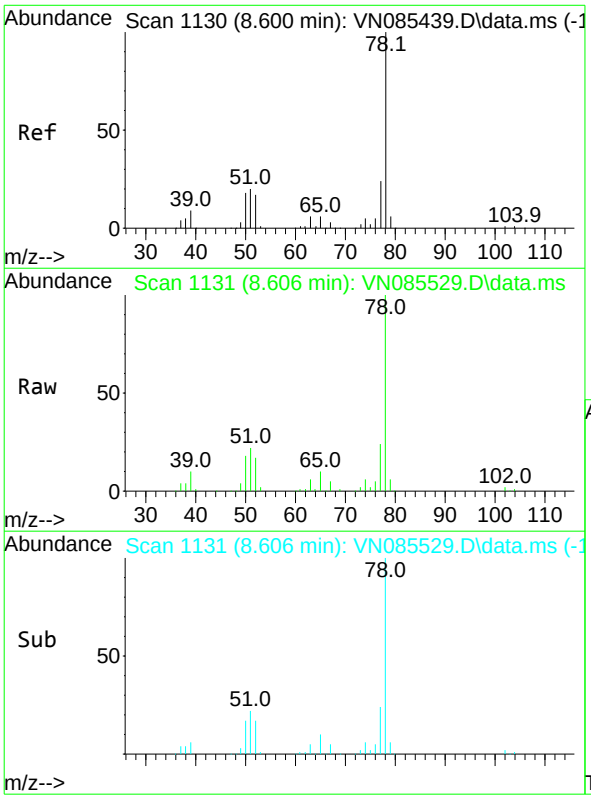
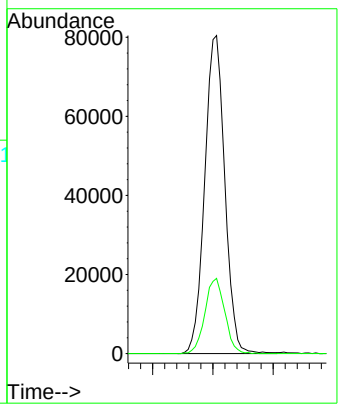
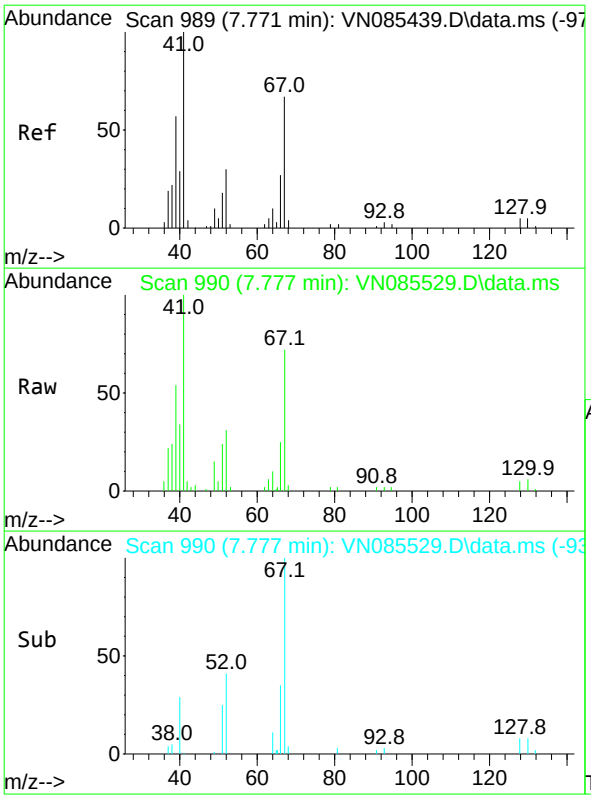


#40
Benzene
Concen: 20.683 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 78 Resp: 186111

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6

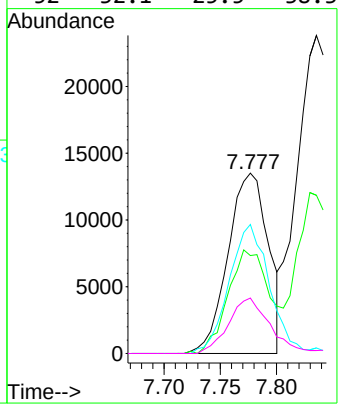




#41
Methacrylonitrile
Concen: 21.410 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 41 Resp: 33670

Ion	Ratio	Lower	Upper
41	100		
39	60.5	46.0	69.0
67	71.9	57.4	86.2
52	32.1	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
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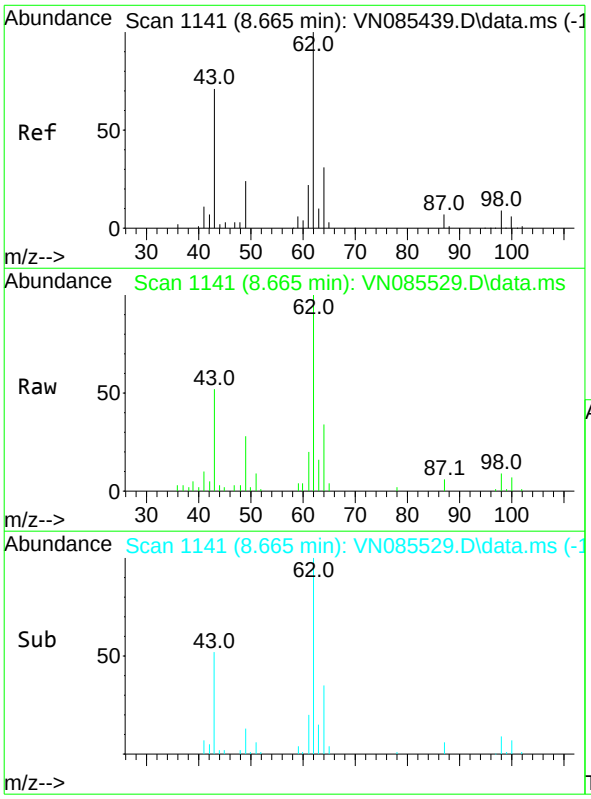
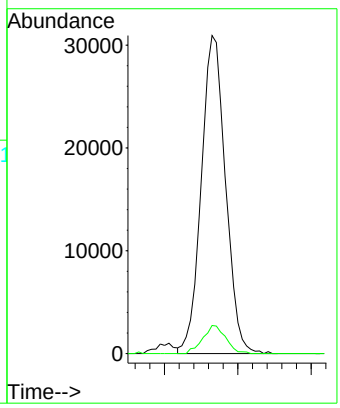
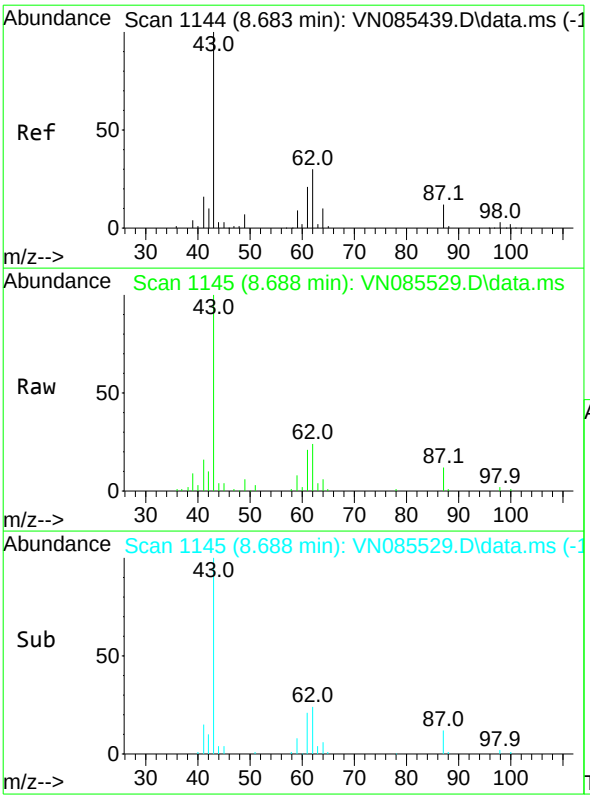


#42
1,2-Dichloroethane
Concen: 20.970 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 62 Resp: 71068

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0

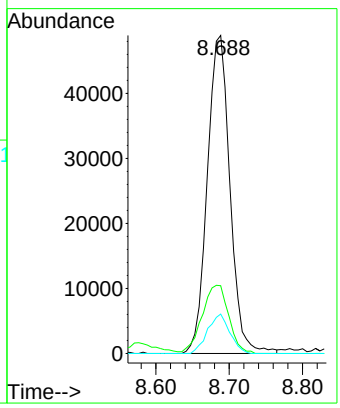




#43
Isopropyl Acetate
Concen: 21.686 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 43 Resp: 105036

Ion	Ratio	Lower	Upper
43	100		
61	25.2	20.7	31.1
87	12.1	9.8	14.8



Instrument :
MSVOA_N
ClientSampleId :
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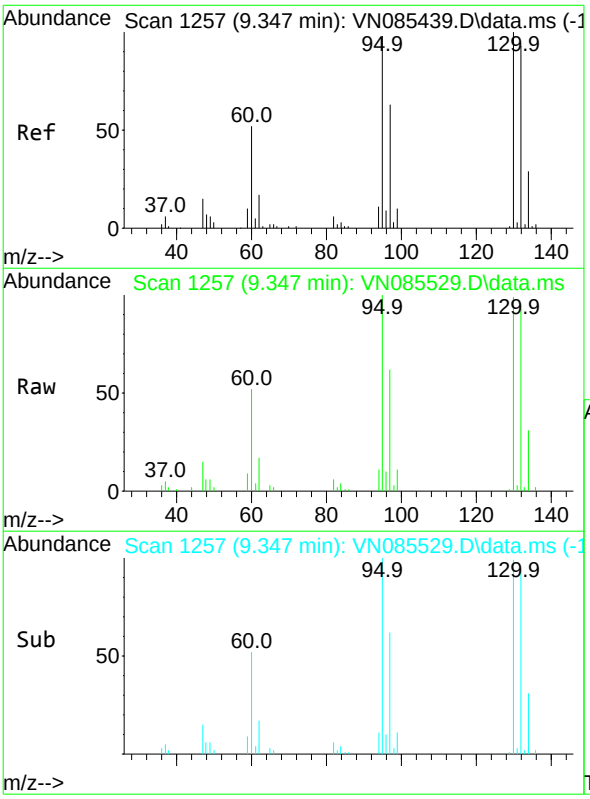
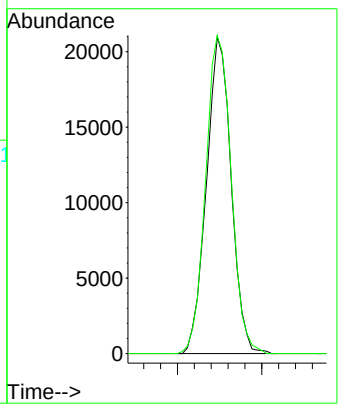
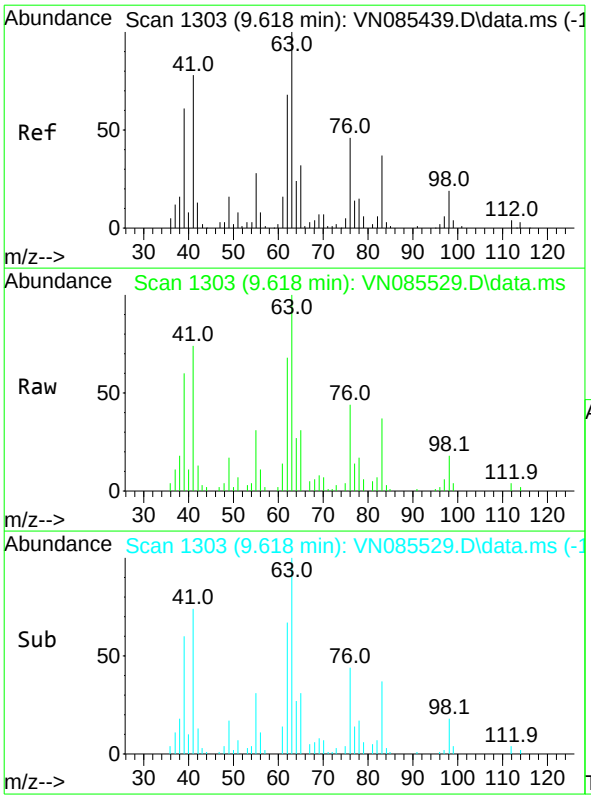


#44
Trichloroethene
Concen: 20.374 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:130 Resp: 42674

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	195.8





#45
1,2-Dichloropropane
Concen: 20.743 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 63 Resp: 47674

Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.6	38.4

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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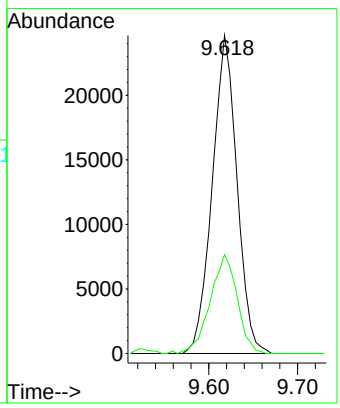
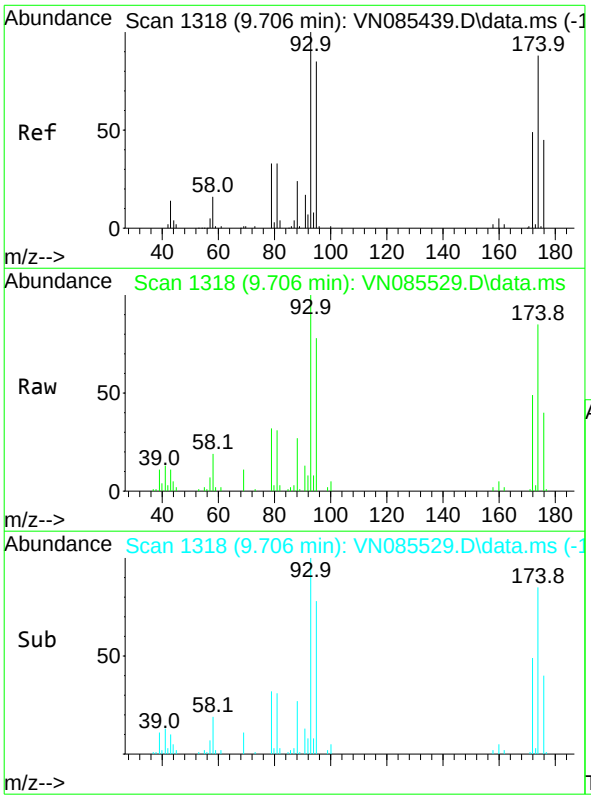
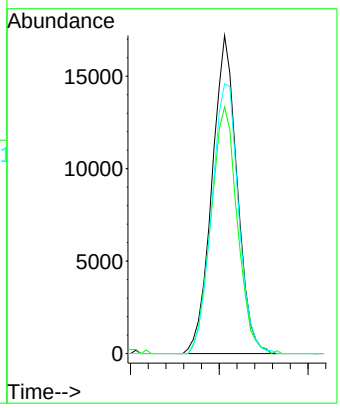


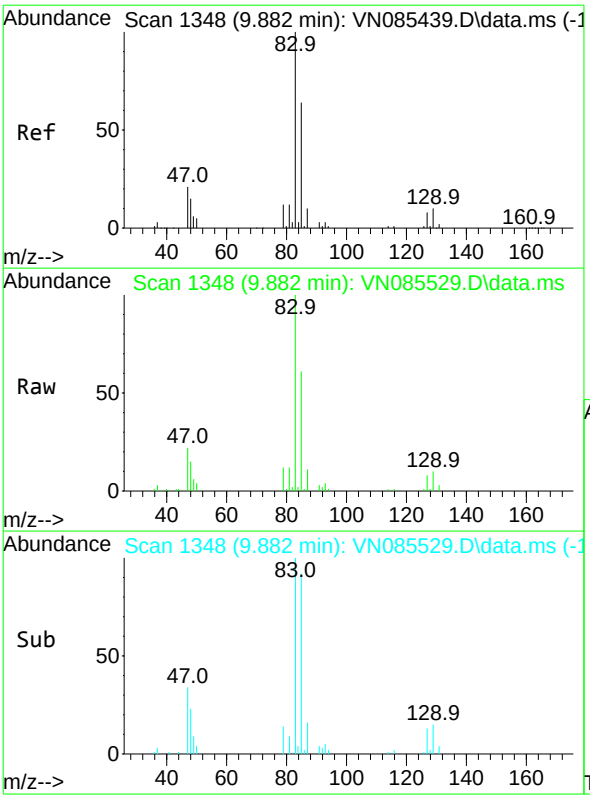


#46
Dibromomethane
Concen: 20.395 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 93 Resp: 33823

Ion	Ratio	Lower	Upper
93	100		
95	81.5	64.7	97.1
174	90.4	69.0	103.4

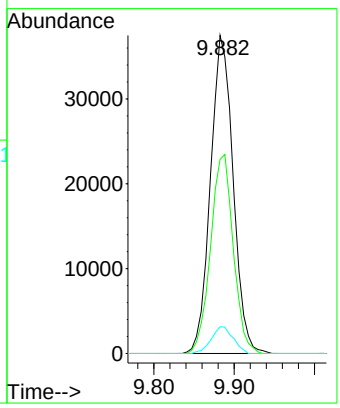




#47
Bromodichloromethane
Concen: 21.697 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 83 Resp: 73309

Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.2	76.8
127	8.4	6.5	9.7



Instrument :
MSVOA_N
ClientSampleId :
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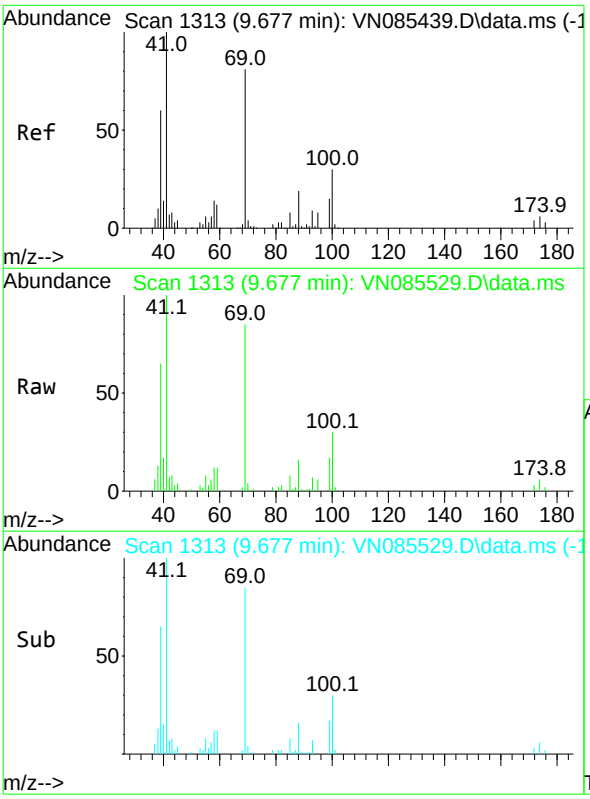
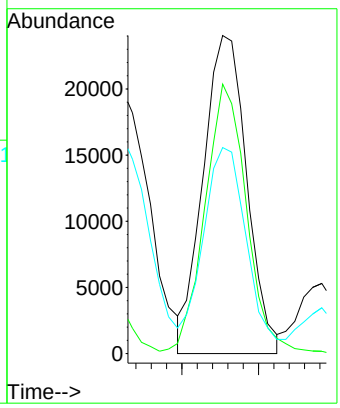
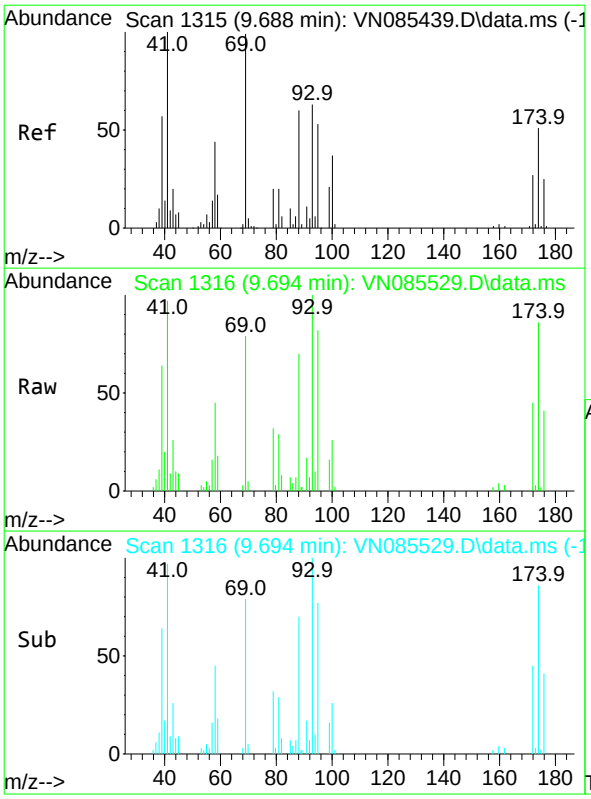


#48
Methyl methacrylate
Concen: 21.823 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 41 Resp: 47567

Ion	Ratio	Lower	Upper
41	100		
69	81.0	64.7	97.1
39	65.5	49.0	73.6





#49
1,4-Dioxane
Concen: 420.430 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 88 Resp: 15432

Ion	Ratio	Lower	Upper
88	100		
43	37.0	26.6	39.8
58	74.0	59.5	89.3

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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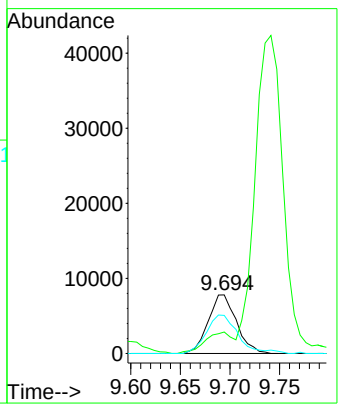
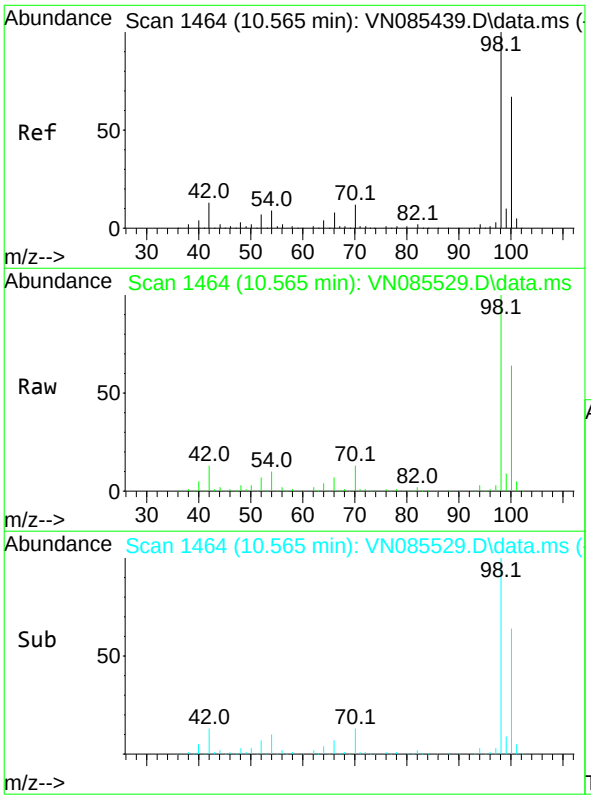
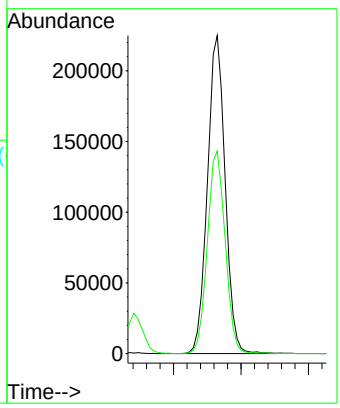


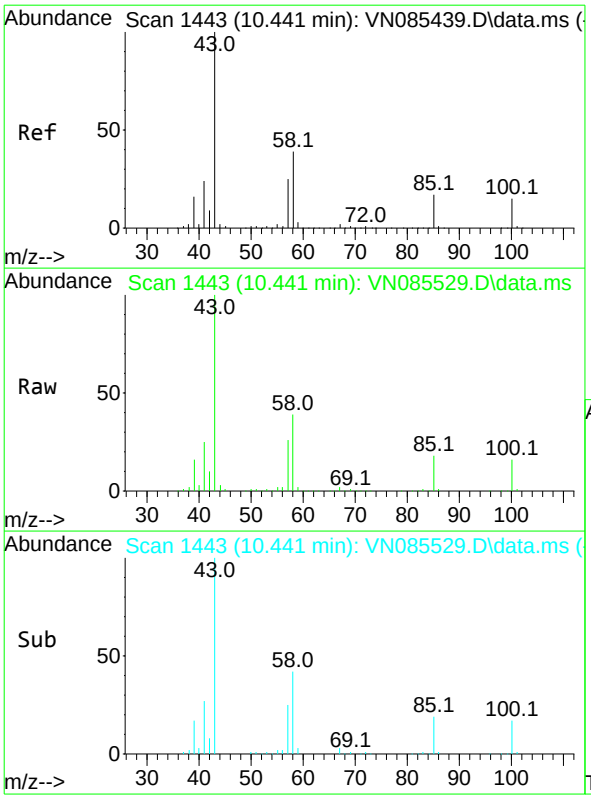


#50
Toluene-d8
Concen: 54.088 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 98 Resp: 410056

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.2	78.4





#51
4-Methyl-2-Pentanone
Concen: 115.555 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 43 Resp: 324778

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.5	45.7

Instrument :
MSVOA_N
ClientSampleId :
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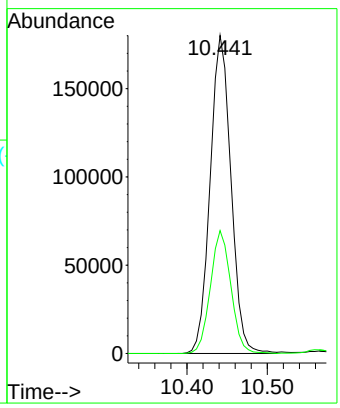
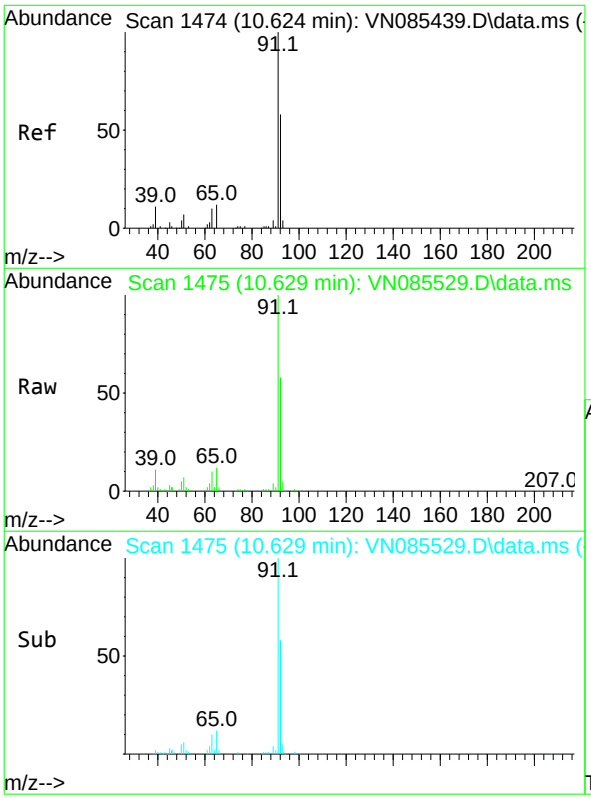
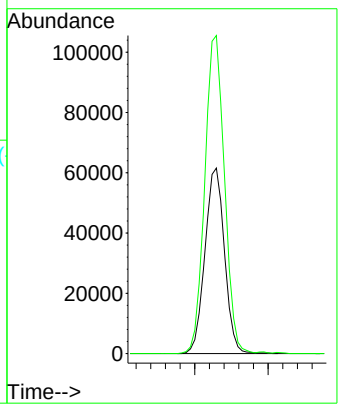


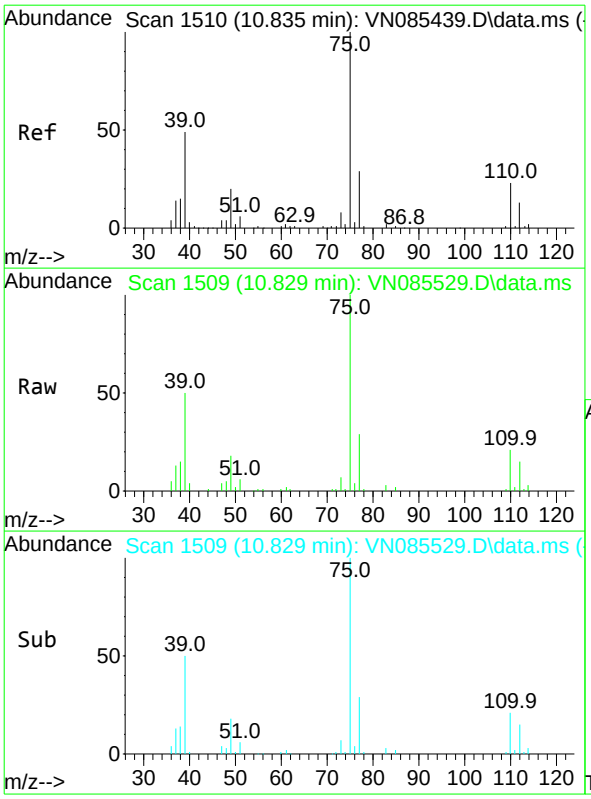


#52
Toluene
Concen: 21.864 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 92 Resp: 113994

Ion	Ratio	Lower	Upper
92	100		
91	172.4	139.2	208.8

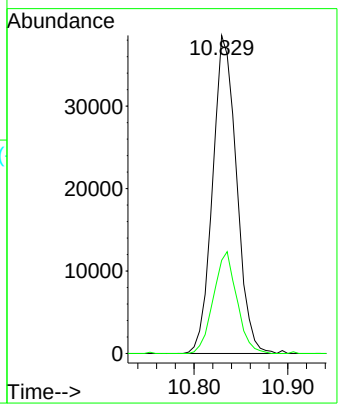




#53
t-1,3-Dichloropropene
Concen: 21.398 ug/l
RT: 10.829 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 75 Resp: 68322

Ion	Ratio	Lower	Upper
75	100		
77	29.3	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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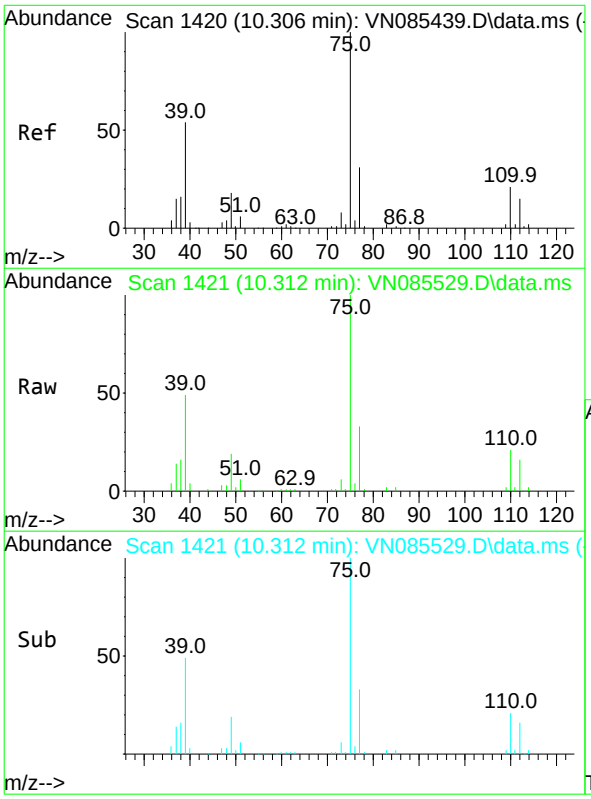
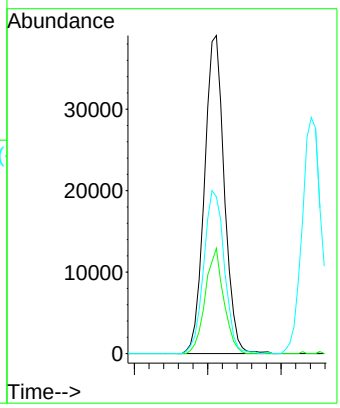
Supervised By :Semsettin Yesilyurt 01/29/2025



#54
cis-1,3-Dichloropropene
Concen: 21.530 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 75 Resp: 73429

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.0	37.4
39	49.3	43.1	64.7



Instrument :
MSVOA_N
ClientSampleId :
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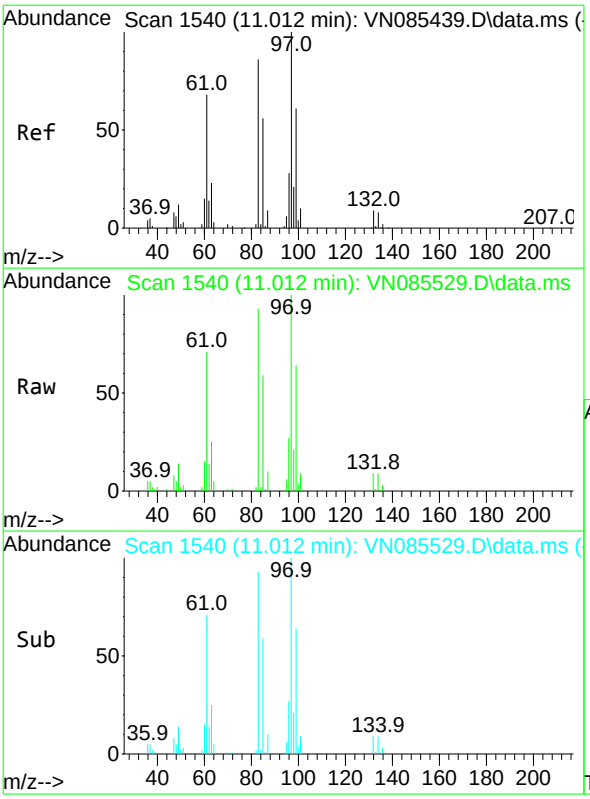
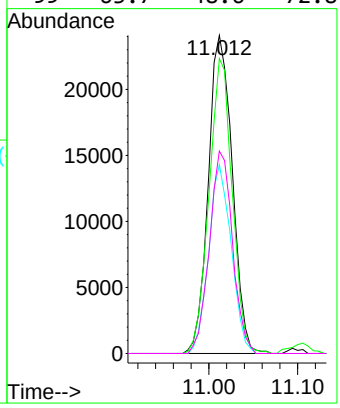
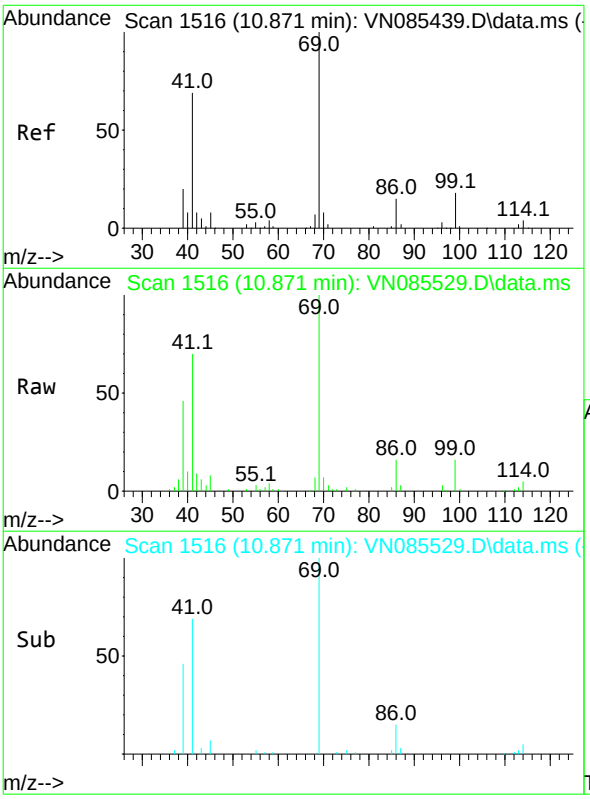


#55
1,1,2-Trichloroethane
Concen: 21.912 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 97 Resp: 45212

Ion	Ratio	Lower	Upper
97	100		
83	92.7	69.0	103.6
85	59.4	44.6	66.8
99	63.7	48.6	72.8

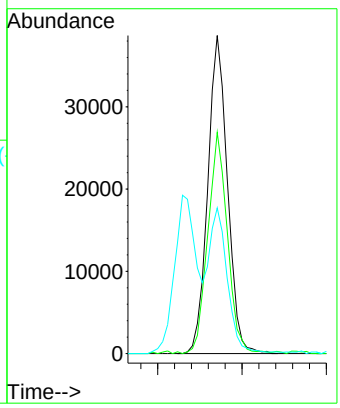


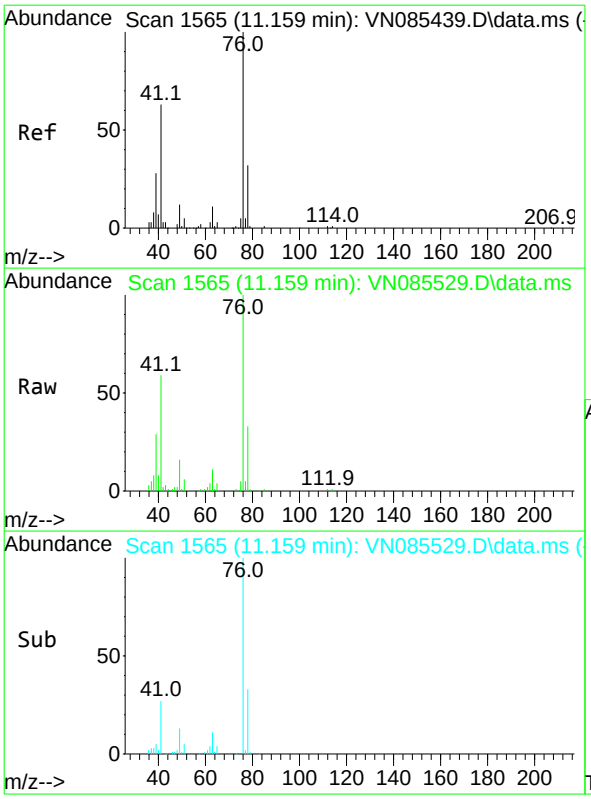


#56
Ethyl methacrylate
Concen: 19.281 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 69 Resp: 62727

Ion	Ratio	Lower	Upper
69	100		
41	69.3	54.6	82.0
39	42.9	32.4	48.6





#57
1,3-Dichloropropane
Concen: 21.915 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 76 Resp: 78623

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.6	38.4

Instrument :
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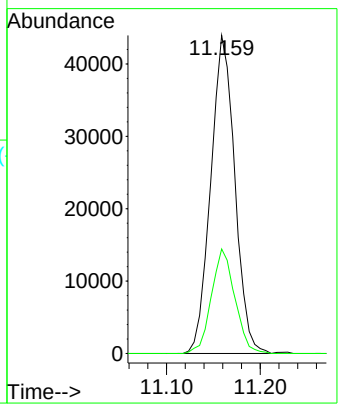
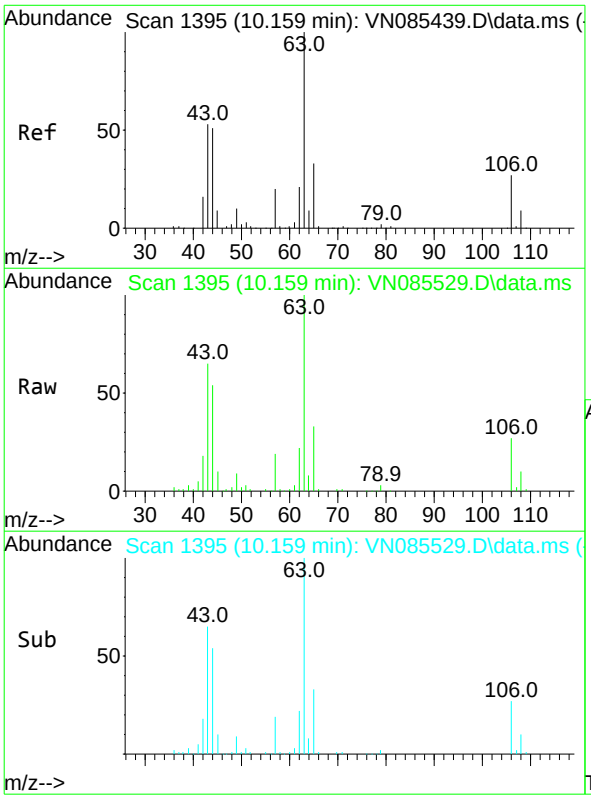
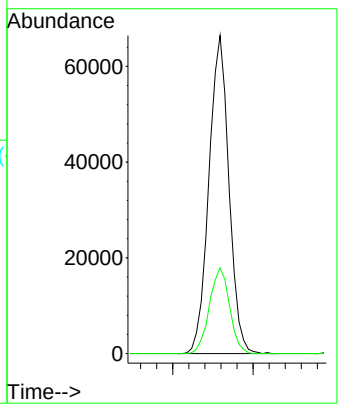


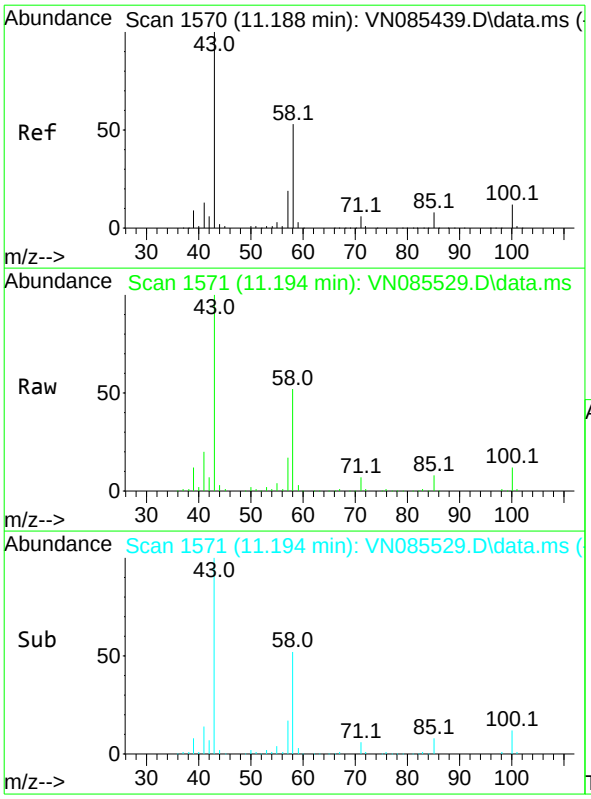


#58
2-Chloroethyl Vinyl ether
Concen: 87.817 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 63 Resp: 114984

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.6	32.4





#59
2-Hexanone
Concen: 118.574 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 43 Resp: 234494

Ion	Ratio	Lower	Upper
43	100		
58	51.0	26.2	78.6

Instrument :
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ClientSampleId :
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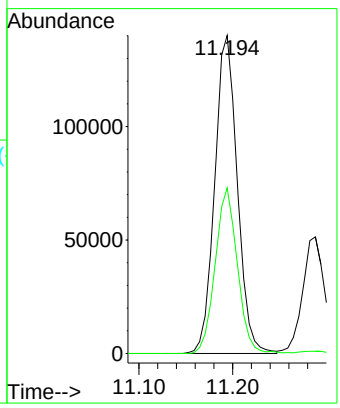
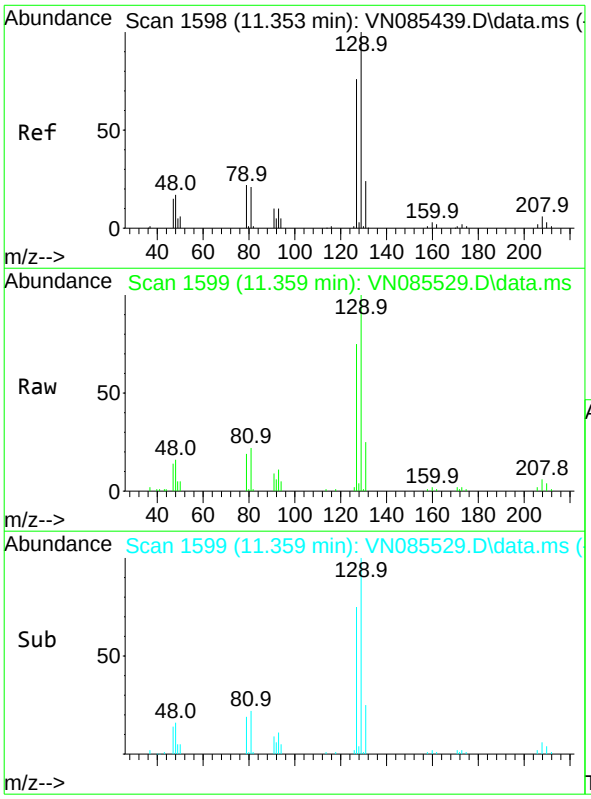
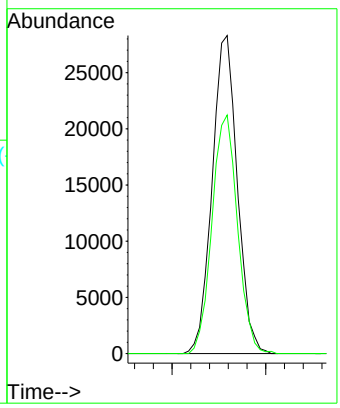


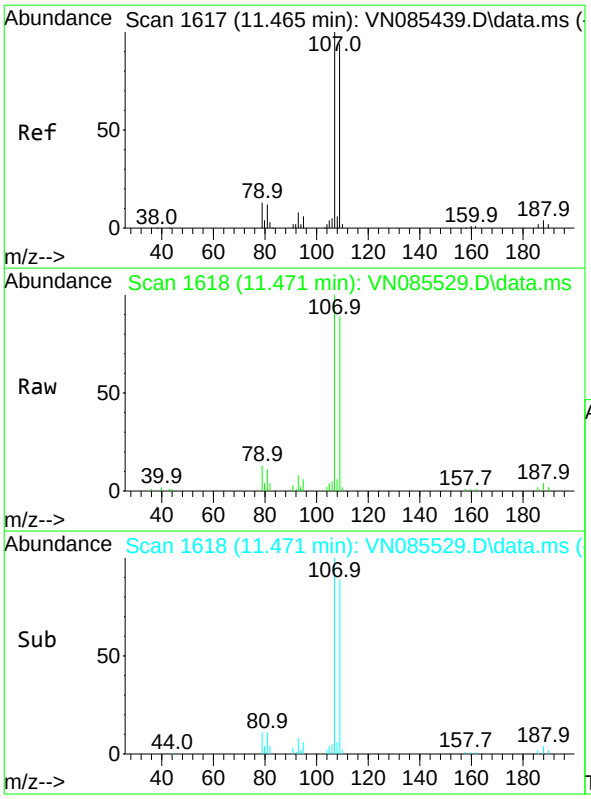


#60
Dibromochloromethane
Concen: 21.210 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:129 Resp: 52835

Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.6	115.8





#61
1,2-Dibromoethane
Concen: 20.625 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:107 Resp: 42361

Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.9	113.9

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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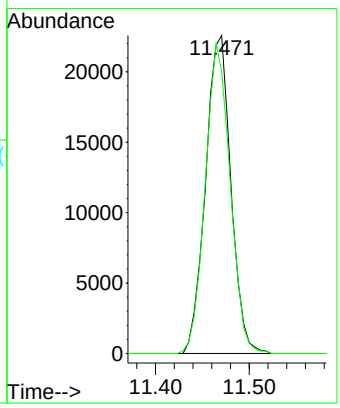
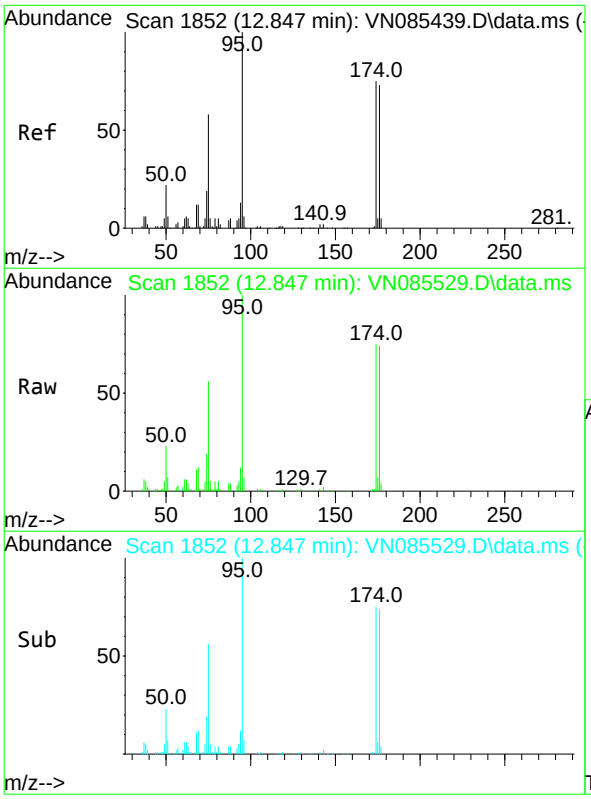
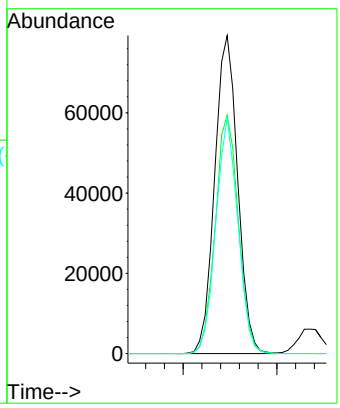


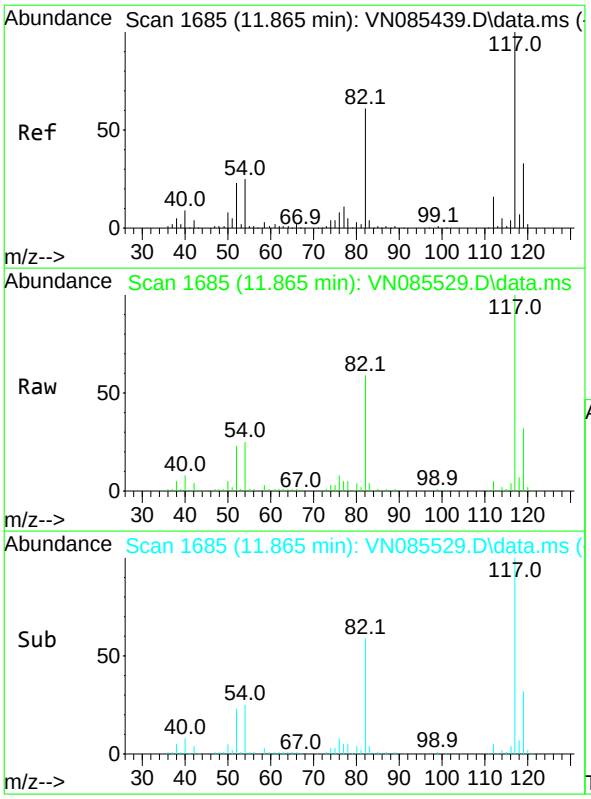


#62
4-Bromofluorobenzene
Concen: 52.029 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 95 Resp: 134929

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	145.0
176	70.9	0.0	142.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:117 Resp: 271043

Ion	Ratio	Lower	Upper
117	100		
82	58.5	48.6	72.8
119	31.9	26.6	39.8

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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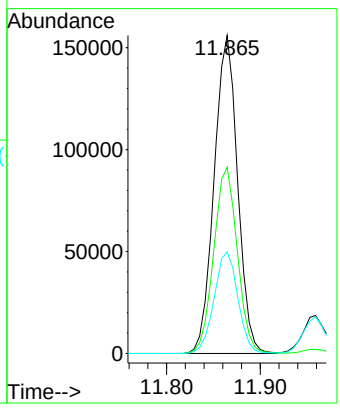
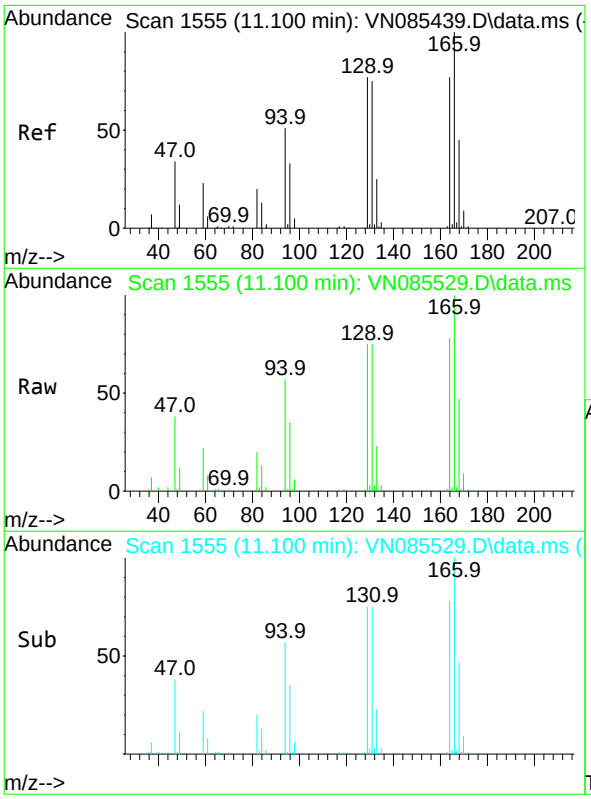
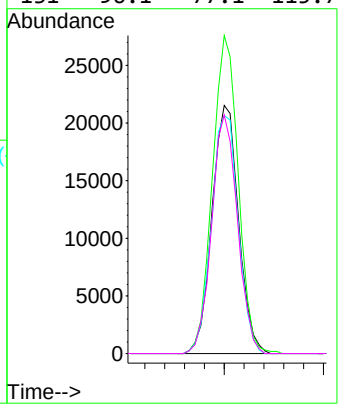




#64
Tetrachloroethene
Concen: 21.658 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:164 Resp: 40019

Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.4	155.2
129	95.9	79.2	118.8
131	96.1	77.1	115.7



Instrument :
MSVOA_N
ClientSampleId :
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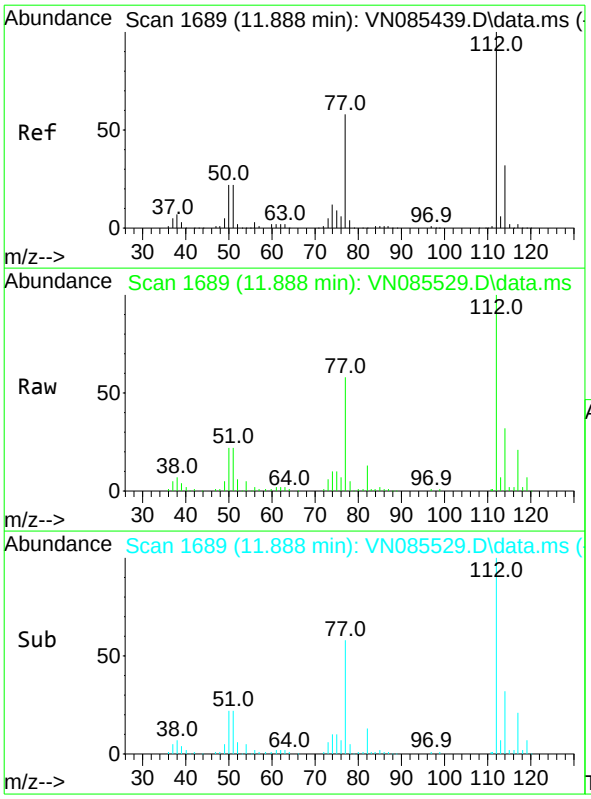
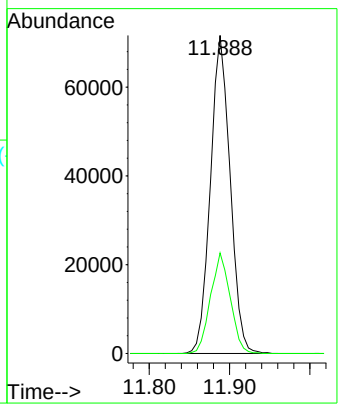
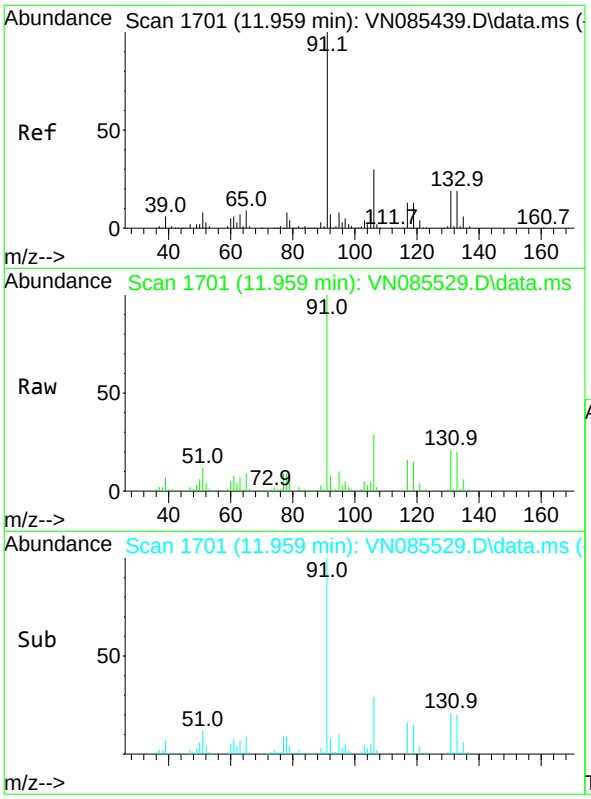


#65
Chlorobenzene
Concen: 20.586 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:112 Resp: 122235

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.3	37.9

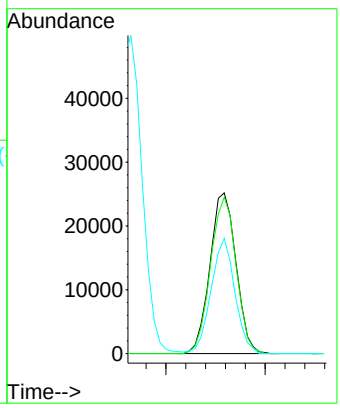


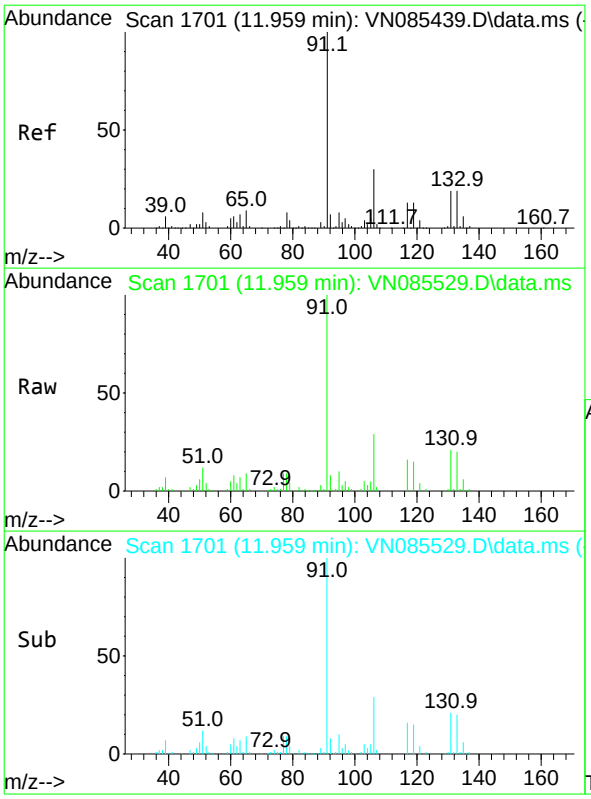


#66
1,1,1,2-Tetrachloroethane
Concen: 21.124 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:131 Resp: 46034

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.4	142.3
119	65.4	33.1	99.5





#67
Ethyl Benzene
Concen: 20.797 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 91 Resp: 201123

Ion	Ratio	Lower	Upper
91	100		
106	28.8	23.8	35.8

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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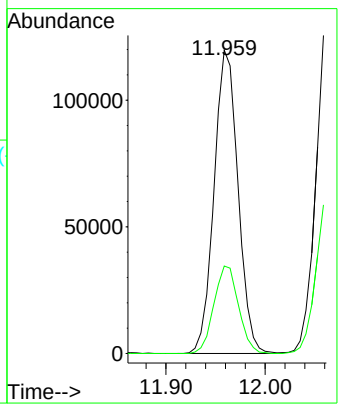
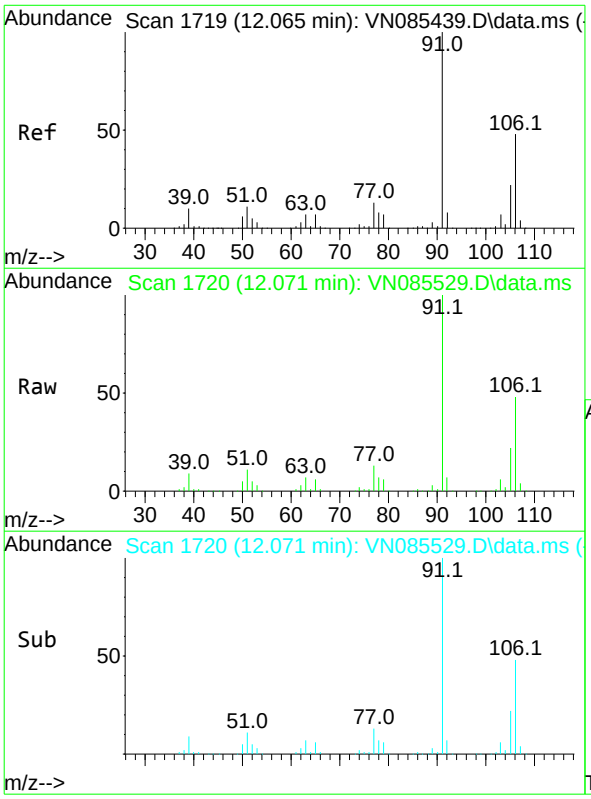
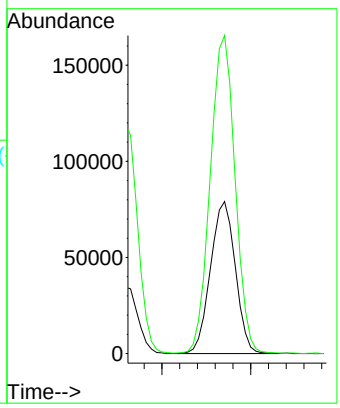


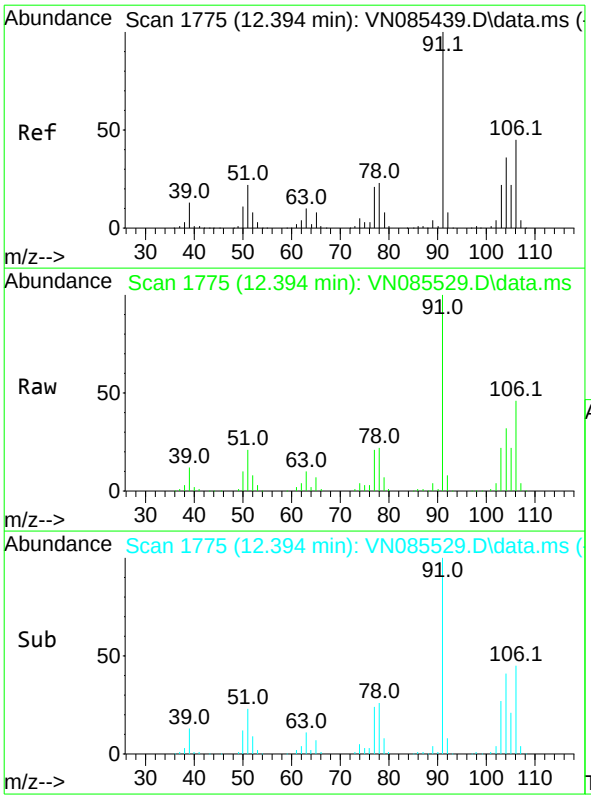


#68
m/p-Xylenes
Concen: 43.106 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:106 Resp: 154069

Ion	Ratio	Lower	Upper
106	100		
91	208.4	167.7	251.5

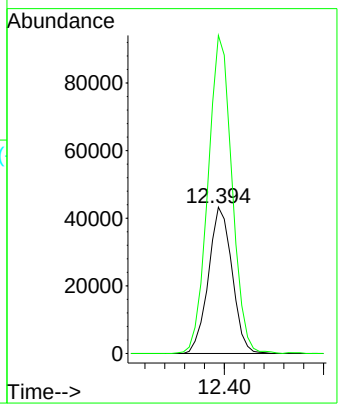




#69
o-Xylene
Concen: 20.943 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:106 Resp: 71535

Ion	Ratio	Lower	Upper
106	100		
91	220.7	110.4	331.2



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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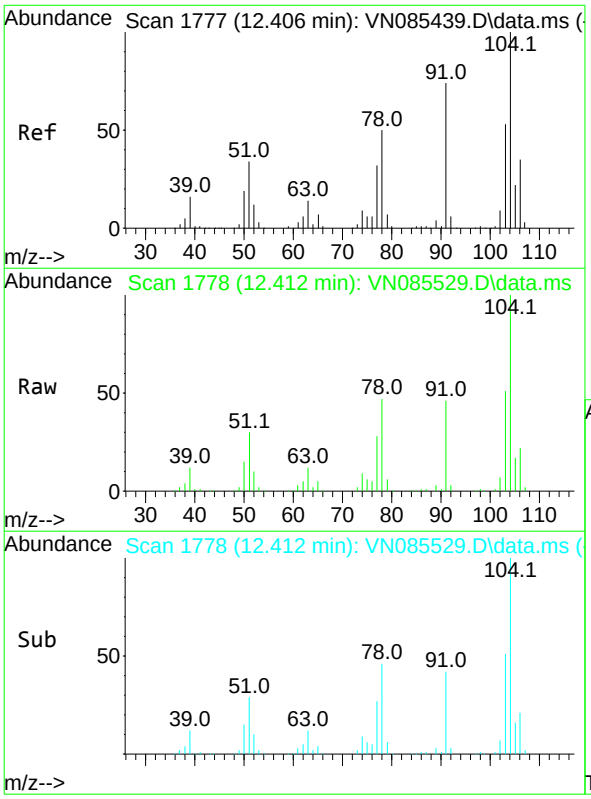
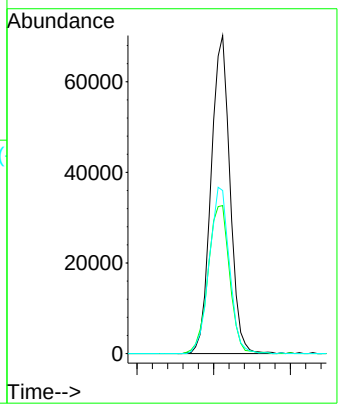
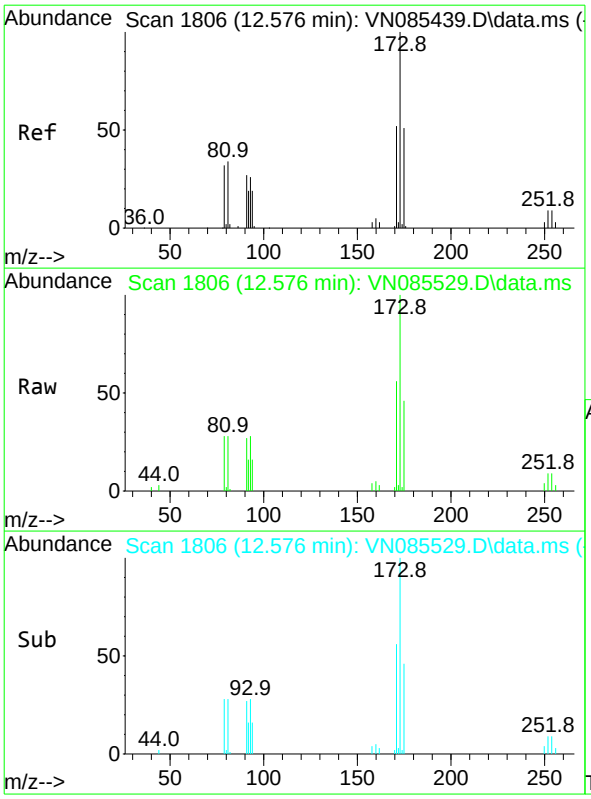


#70
Styrene
Concen: 21.250 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:104 Resp: 120125

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.5	63.7
103	55.9	43.8	65.8





#71
Bromoform
Concen: 22.516 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:173 Resp: 35108

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.4	73.2
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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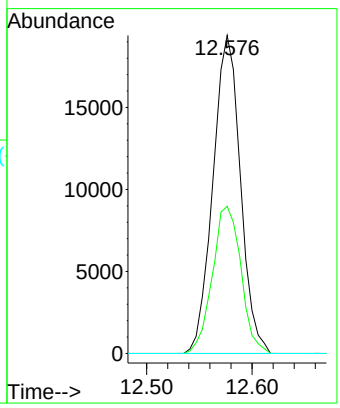
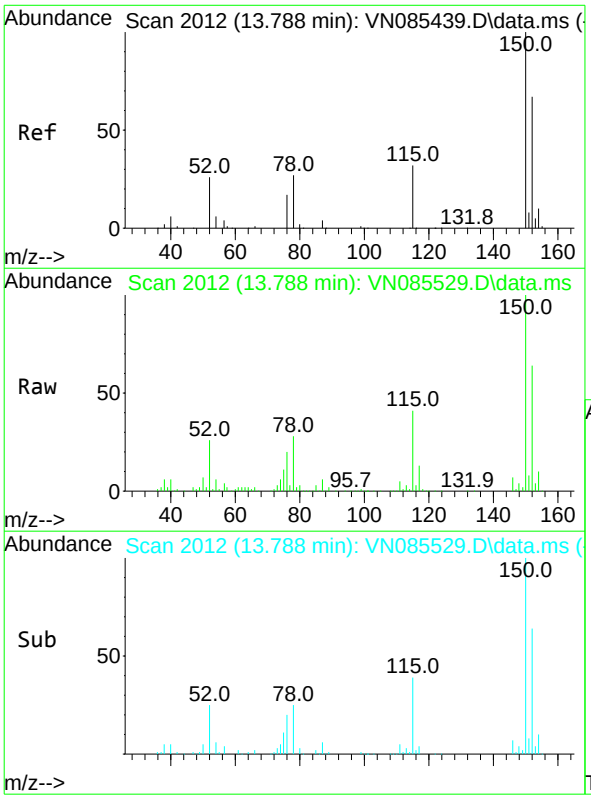
Supervised By :Semsettin Yesilyurt 01/29/2025

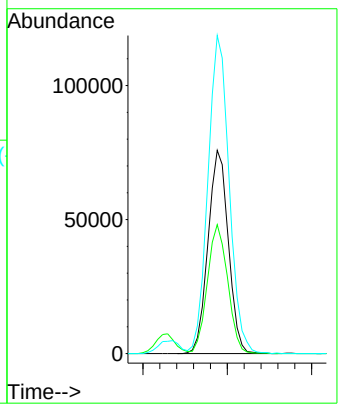


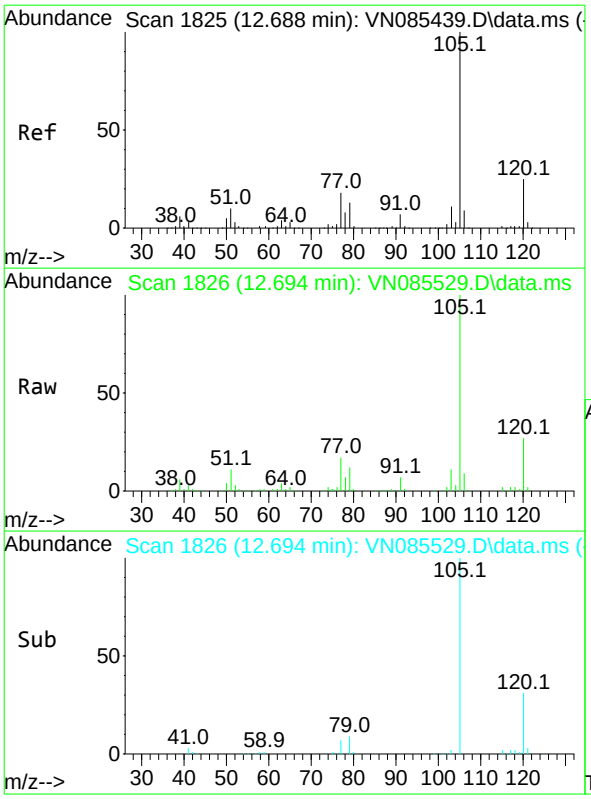


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:152 Resp: 126721

Ion	Ratio	Lower	Upper
152	100		
115	63.7	31.1	93.3
150	163.7	0.0	343.6

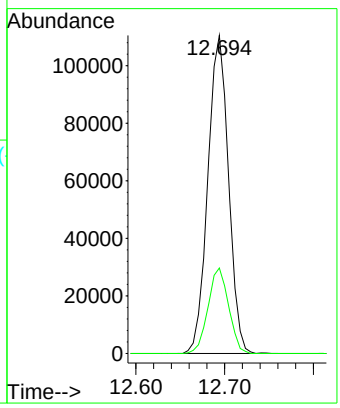




#73
Isopropylbenzene
Concen: 20.880 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:105 Resp: 178577

Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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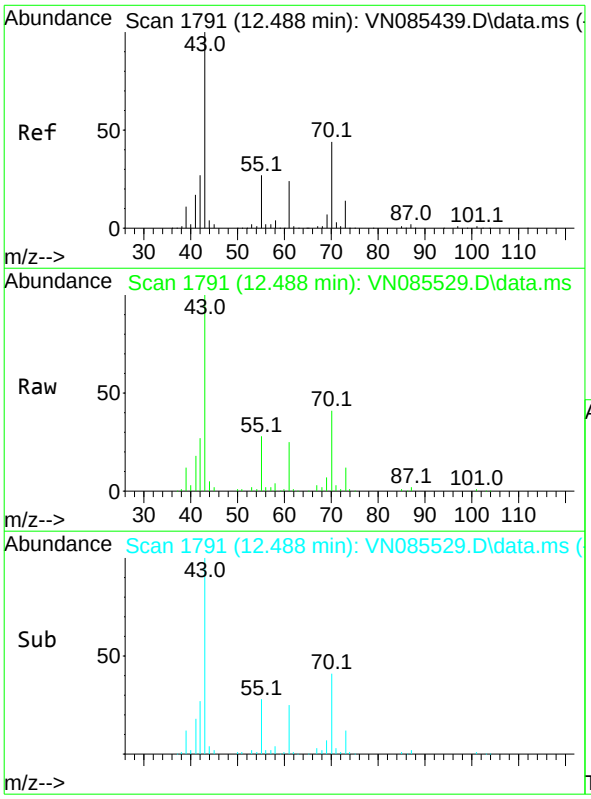
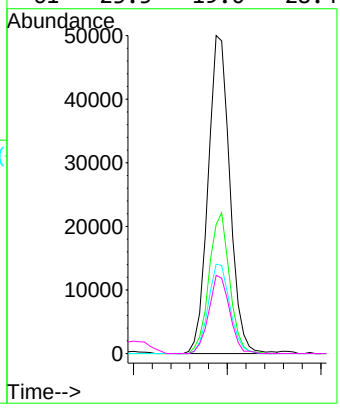
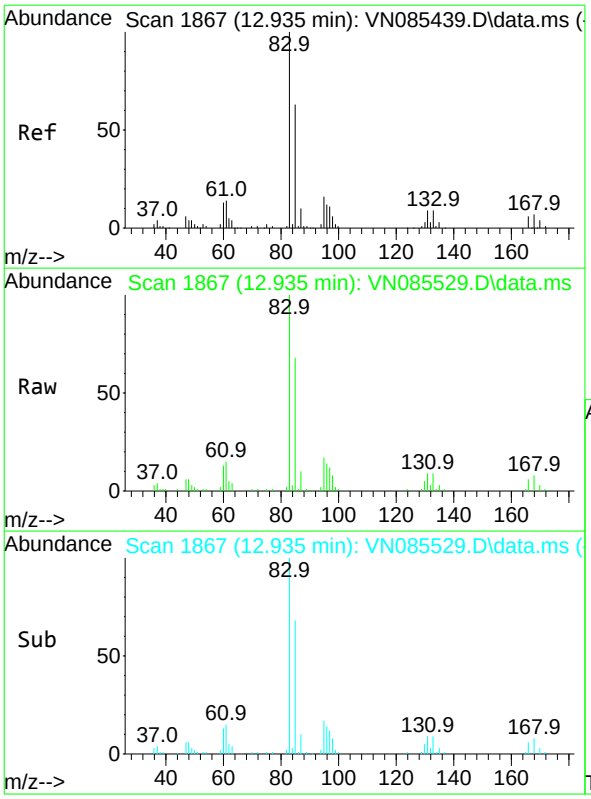


#74
N-amyl acetate
Concen: 20.975 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 43 Resp: 80633

Ion	Ratio	Lower	Upper
43	100		
70	41.7	34.0	51.0
55	28.0	21.4	32.2
61	23.5	19.0	28.4

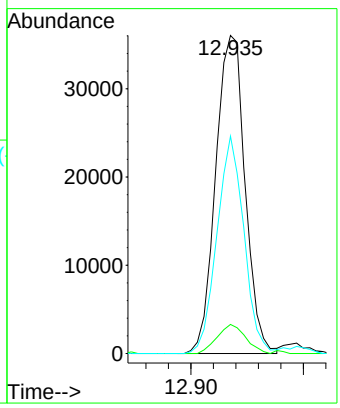




#75
1,1,2,2-Tetrachloroethane
Concen: 21.649 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 83 Resp: 65405

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.8	14.4
85	62.7	32.2	96.6



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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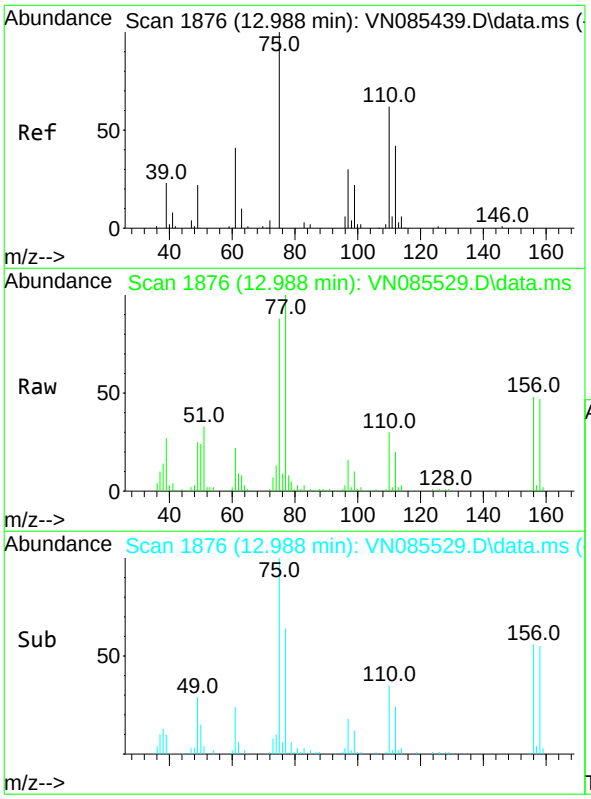
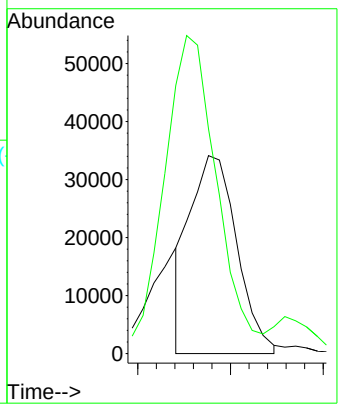
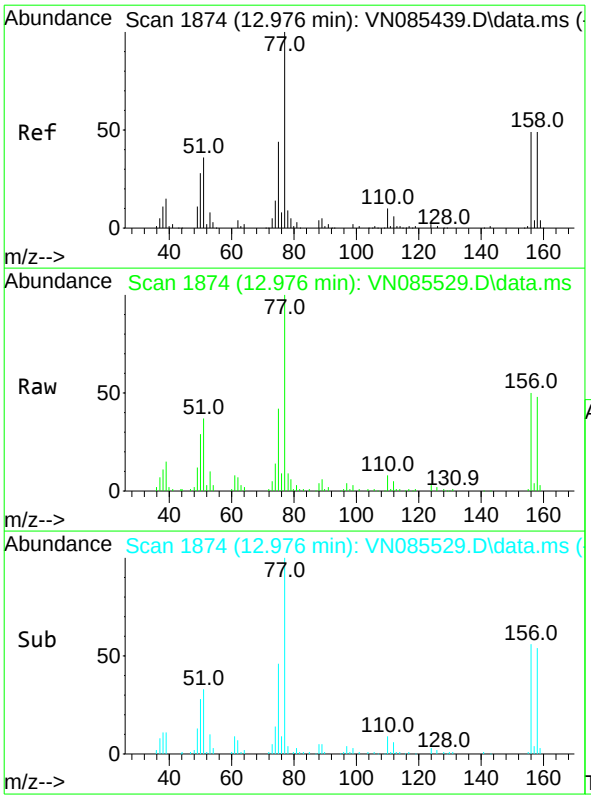


#76
1,2,3-Trichloropropane
Concen: 23.321 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 75 Resp: 60066

Ion	Ratio	Lower	Upper
75	100		
77	181.2	109.7	329.2

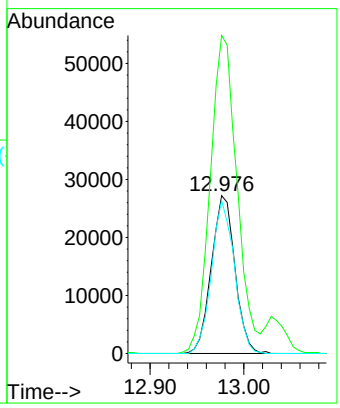




#77
Bromobenzene
Concen: 21.332 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:156 Resp: 47665

Ion	Ratio	Lower	Upper
156	100		
77	228.4	114.1	342.4
158	94.0	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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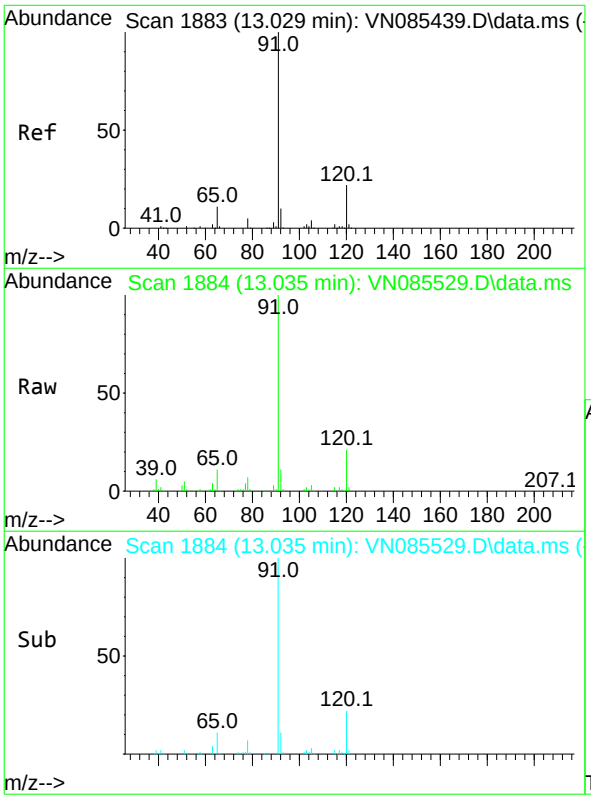
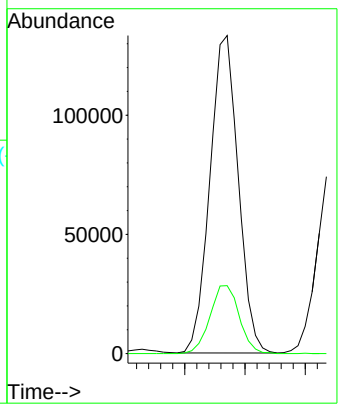
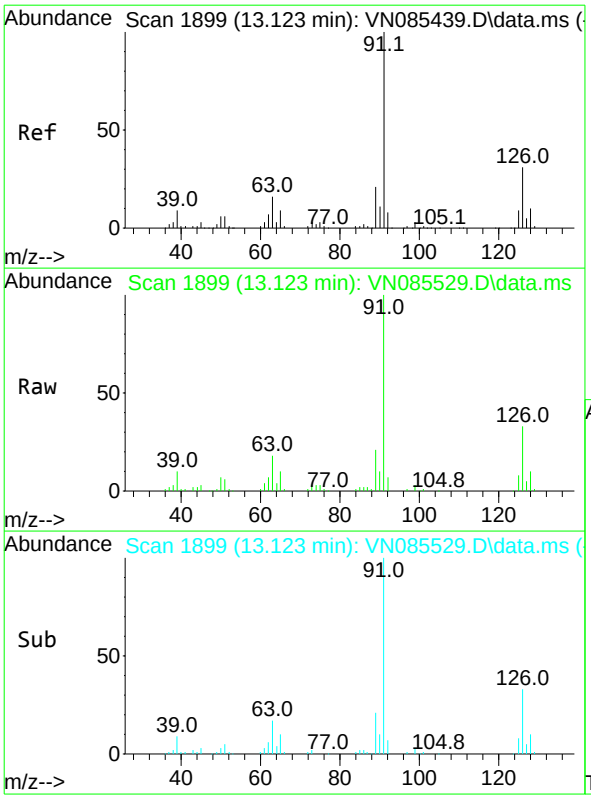


#78
n-propylbenzene
Concen: 21.517 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 91 Resp: 217855

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.9	32.6

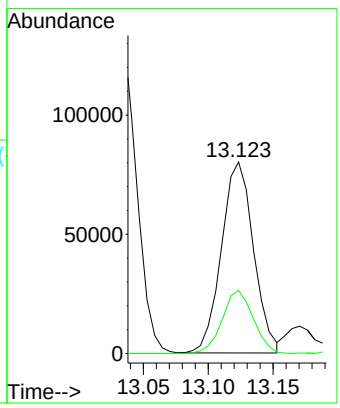




#79
2-Chlorotoluene
Concen: 21.081 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 91 Resp: 138138

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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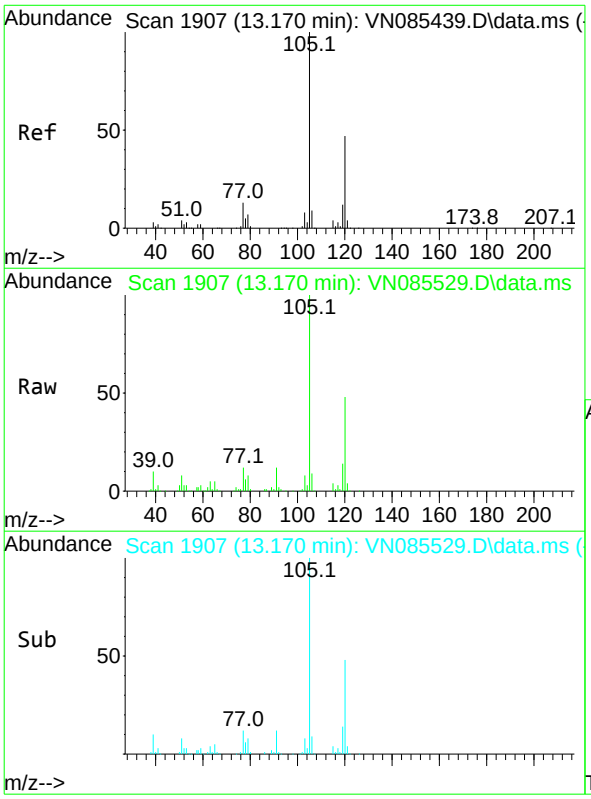
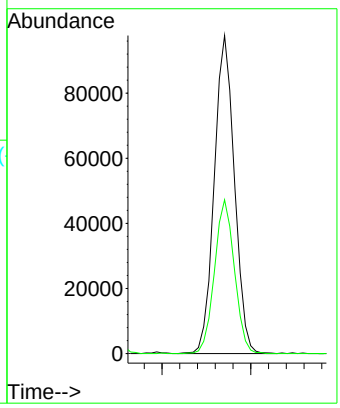
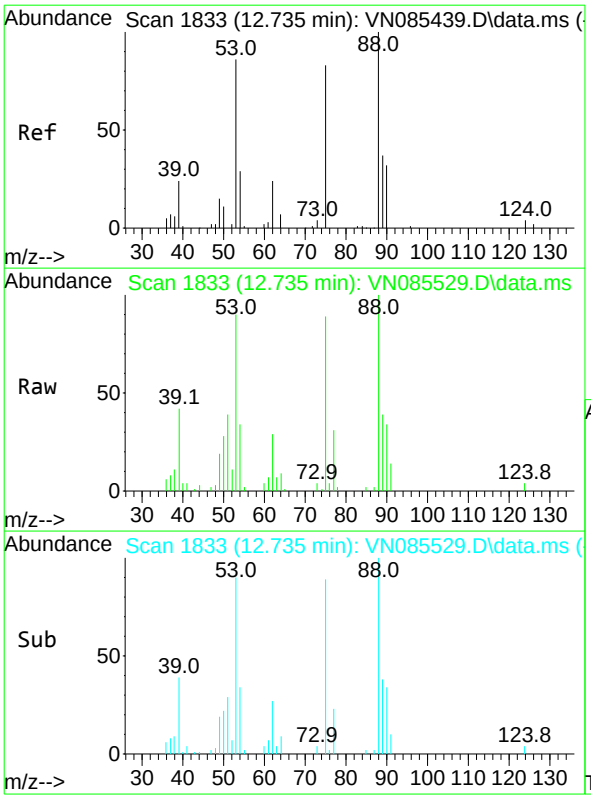


#80
1,3,5-Trimethylbenzene
Concen: 21.836 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:105 Resp: 154258

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 23.073 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tgt Ion: 75 Resp: 21965

Ion	Ratio	Lower	Upper
75	100		
53	101.0	95.6	143.4
89	44.0	37.0	55.6

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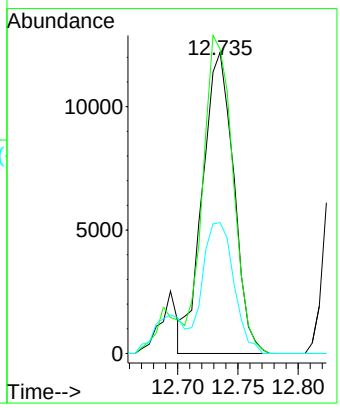
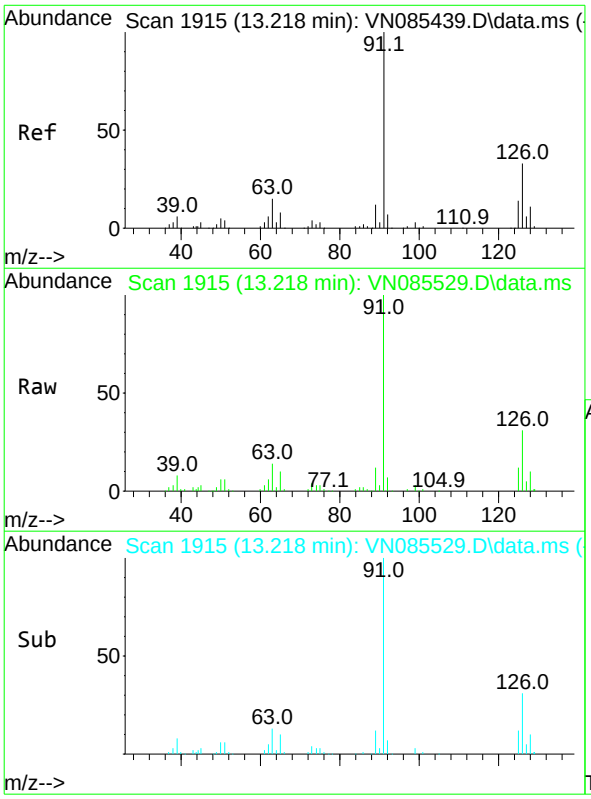
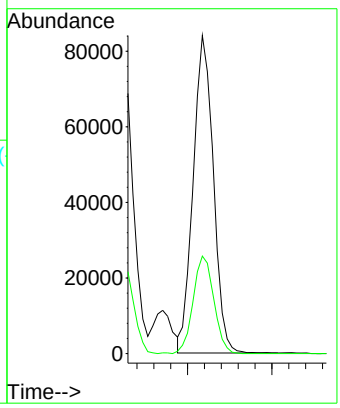


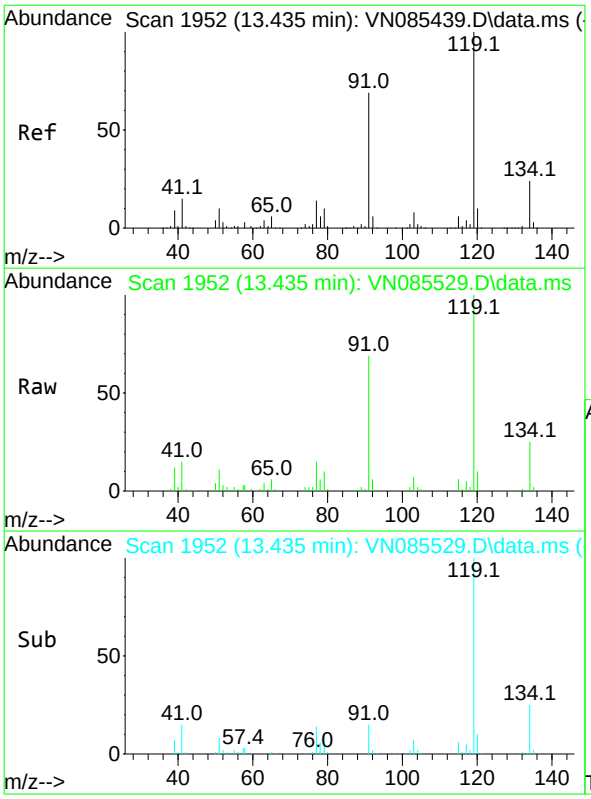


#82
4-Chlorotoluene
Concen: 21.369 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 91 Resp: 139420

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.7





#83
tert-Butylbenzene
Concen: 20.926 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tgt Ion:119 Resp: 124147

Ion	Ratio	Lower	Upper
119	100		
91	71.0	35.1	105.3
134	27.7	12.0	36.1

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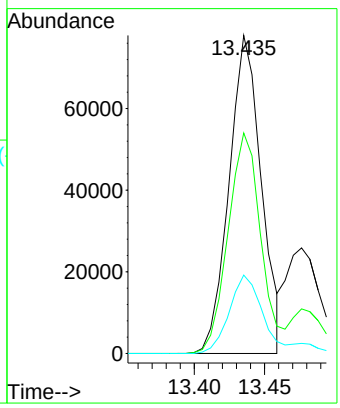
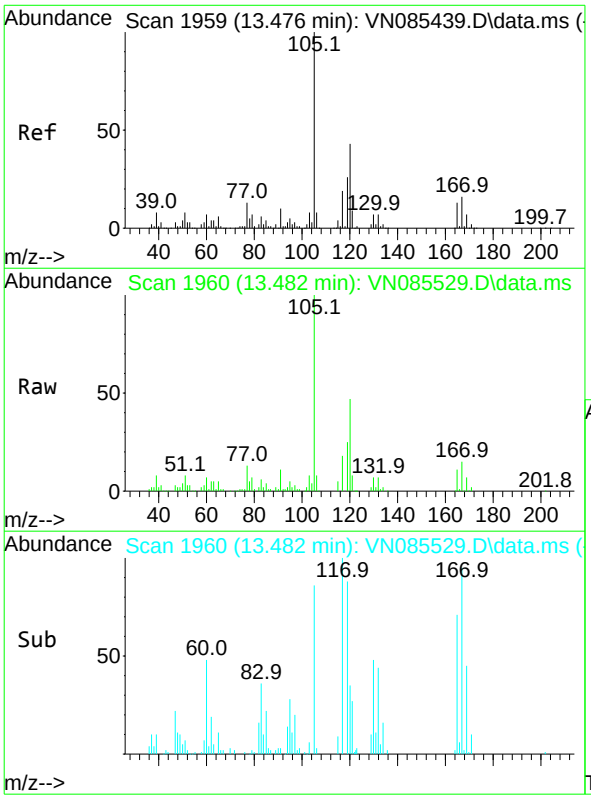
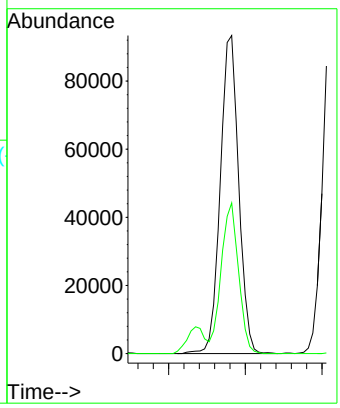


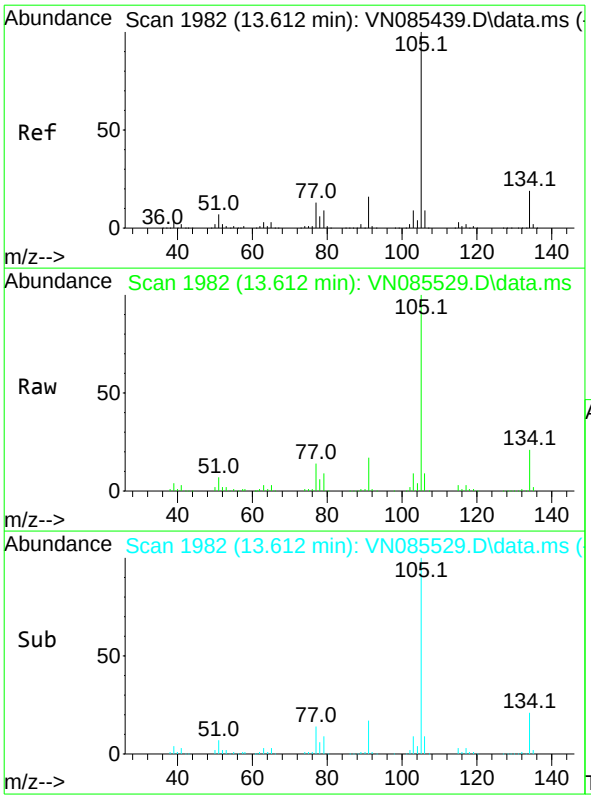


#84
1,2,4-Trimethylbenzene
Concen: 22.092 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:105 Resp: 155548

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.6	65.0

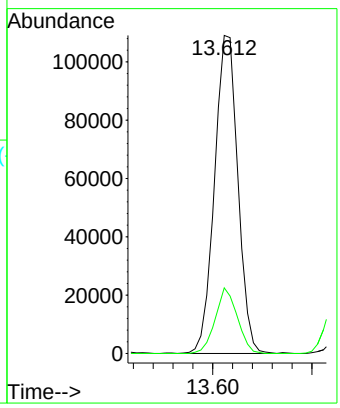




#85
sec-Butylbenzene
Concen: 21.691 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:105 Resp: 178351

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	28.9



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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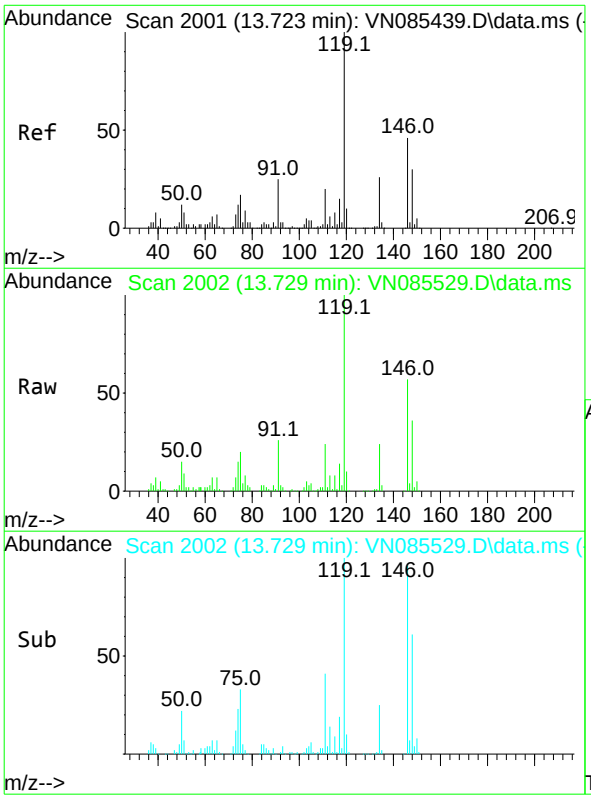
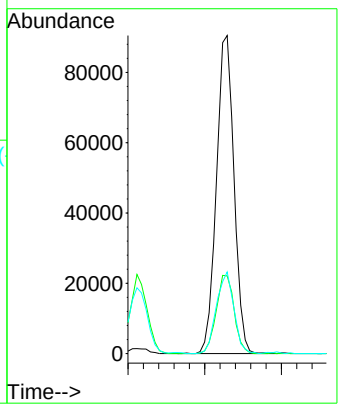
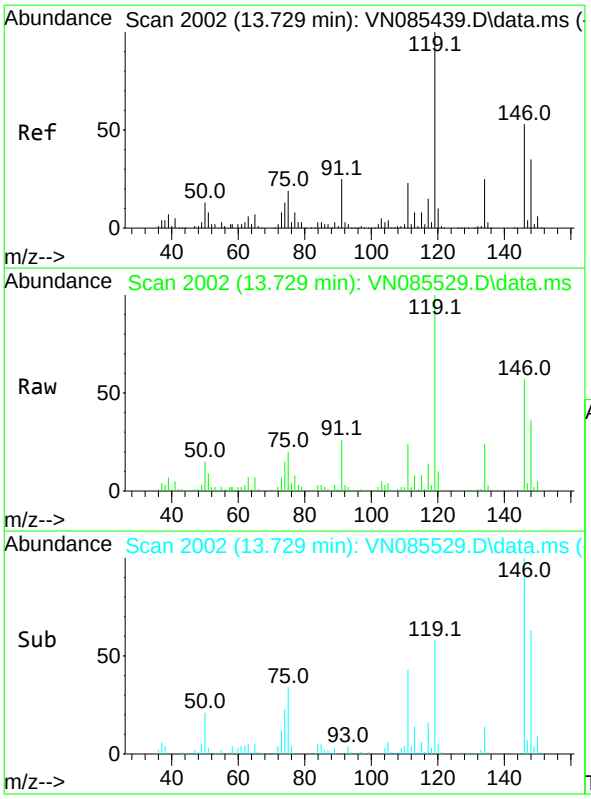


#86
p-Isopropyltoluene
Concen: 20.952 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:119 Resp: 143953

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.7	38.0
91	25.5	12.7	38.1

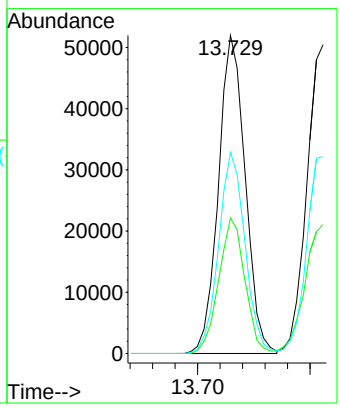




#87
1,3-Dichlorobenzene
Concen: 20.833 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:146 Resp: 85729

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.4	64.3
148	62.6	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

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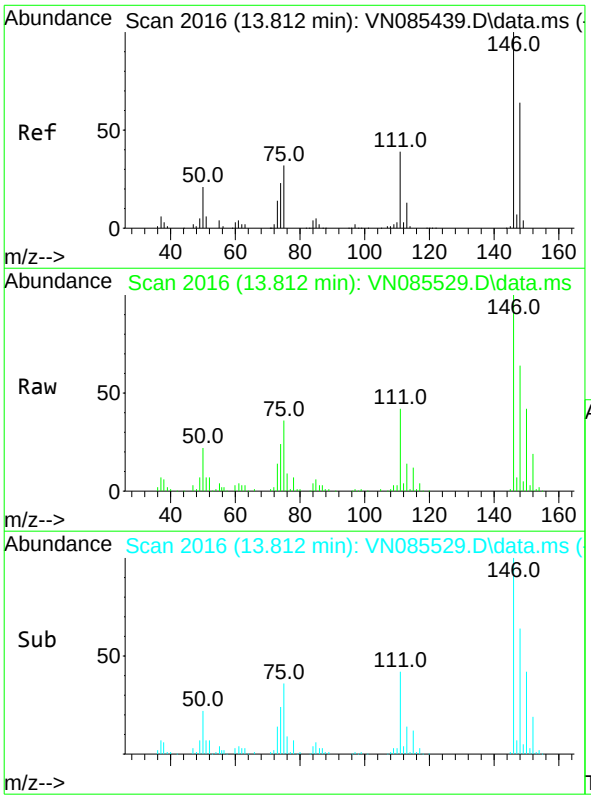
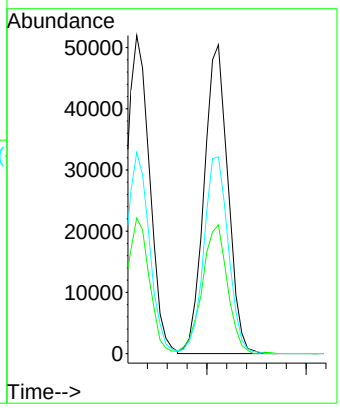
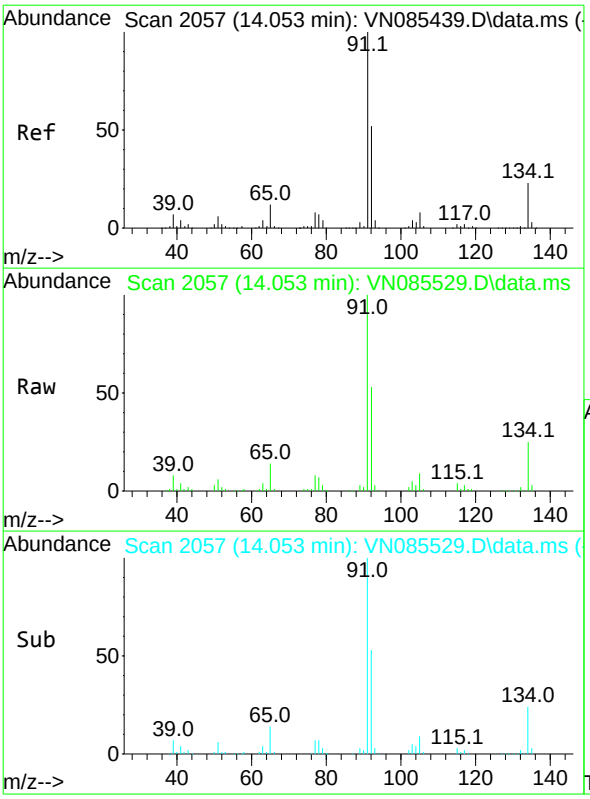


#88
1,4-Dichlorobenzene
Concen: 19.789 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:146 Resp: 84406

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.3	63.7
148	65.4	32.4	97.0

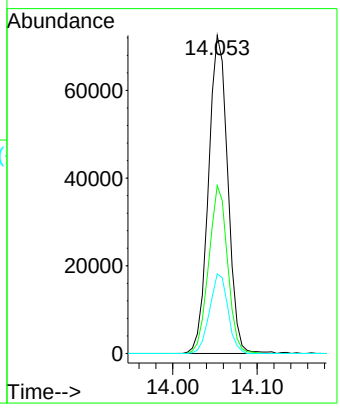




#89
n-Butylbenzene
Concen: 19.526 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 91 Resp: 115181

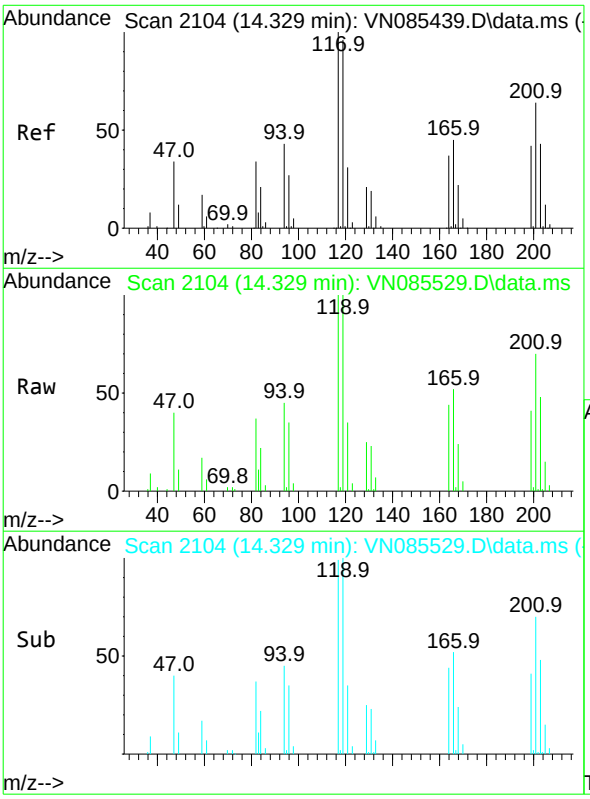
Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.8	77.3
134	23.8	11.7	35.1



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Manual Integrations
APPROVED

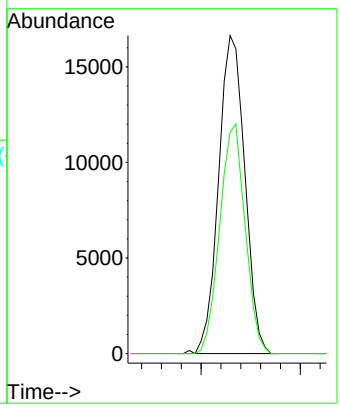
Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

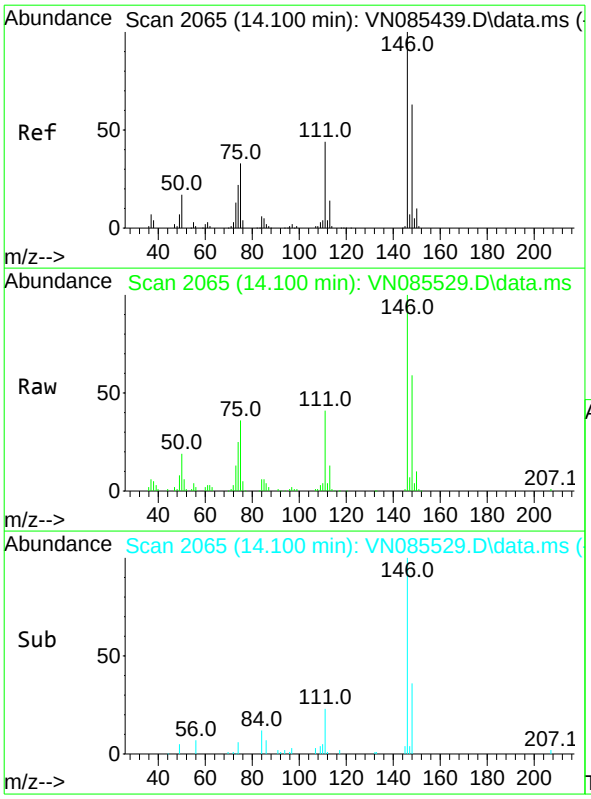


#90
Hexachloroethane
Concen: 19.522 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:117 Resp: 30558

Ion	Ratio	Lower	Upper
117	100		
201	70.0	33.7	101.0

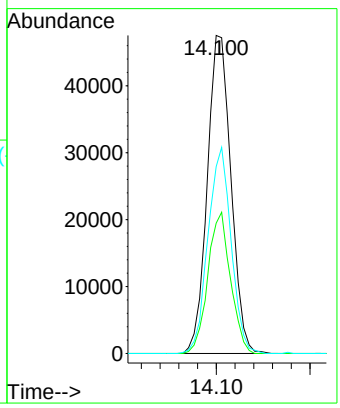




#91
1,2-Dichlorobenzene
Concen: 20.350 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:146 Resp: 83529

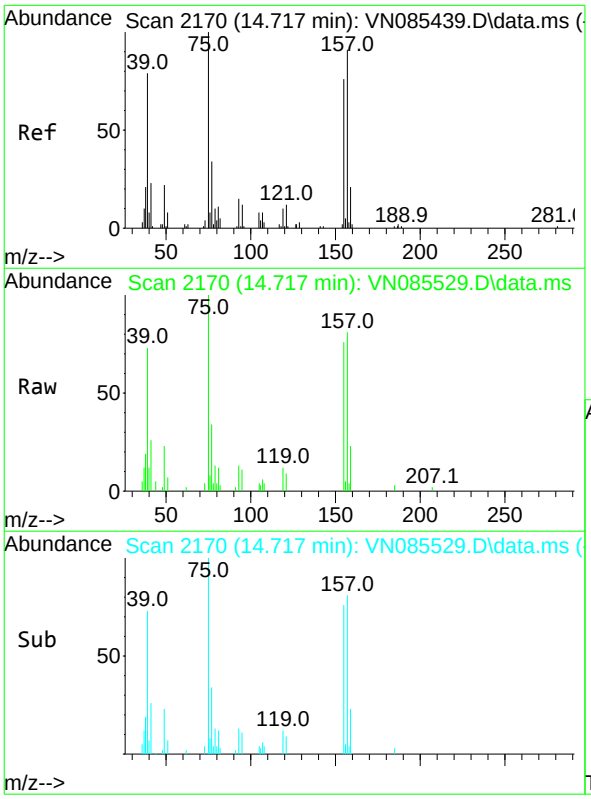
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.7	65.1
148	63.4	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Manual Integrations APPROVED

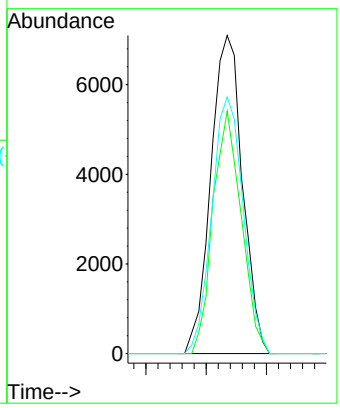
Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

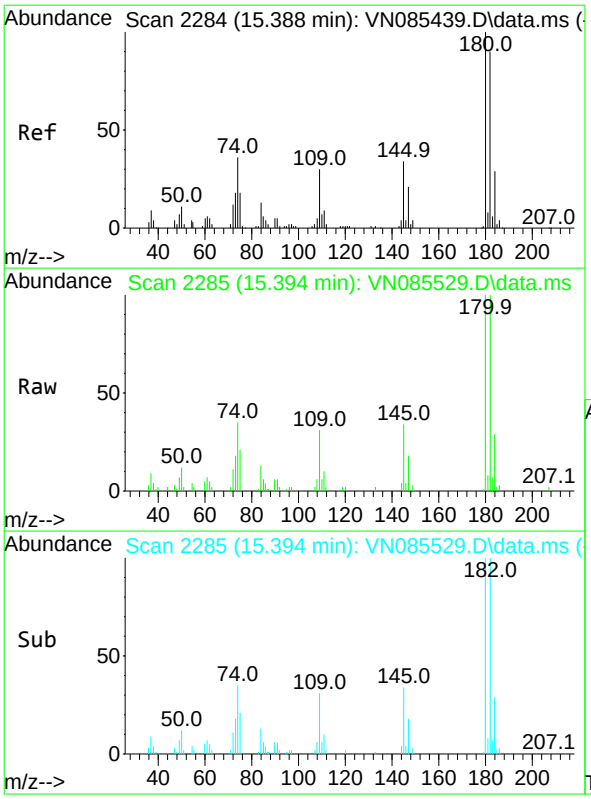


#92
1,2-Dibromo-3-Chloropropane
Concen: 23.494 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion: 75 Resp: 12961

Ion	Ratio	Lower	Upper
75	100		
155	68.3	36.4	109.2
157	79.8	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 18.913 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

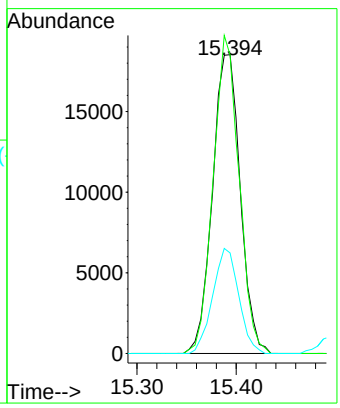
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

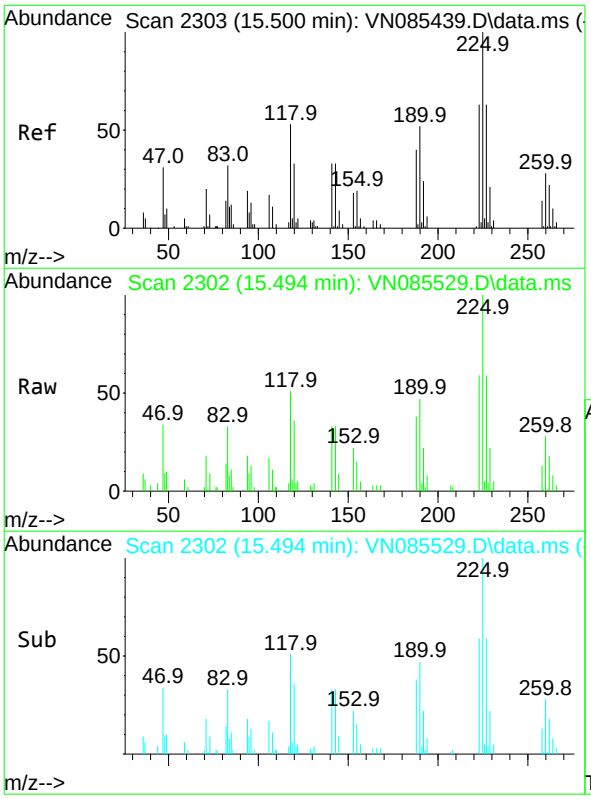
Tgt Ion:180 Resp: 36081

Ion	Ratio	Lower	Upper
180	100		
182	99.0	46.8	140.3
145	32.9	16.0	48.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

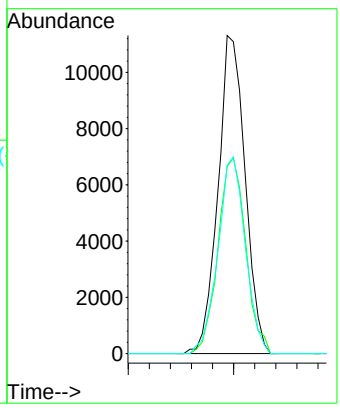




#94
Hexachlorobutadiene
Concen: 19.907 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:225 Resp: 20163

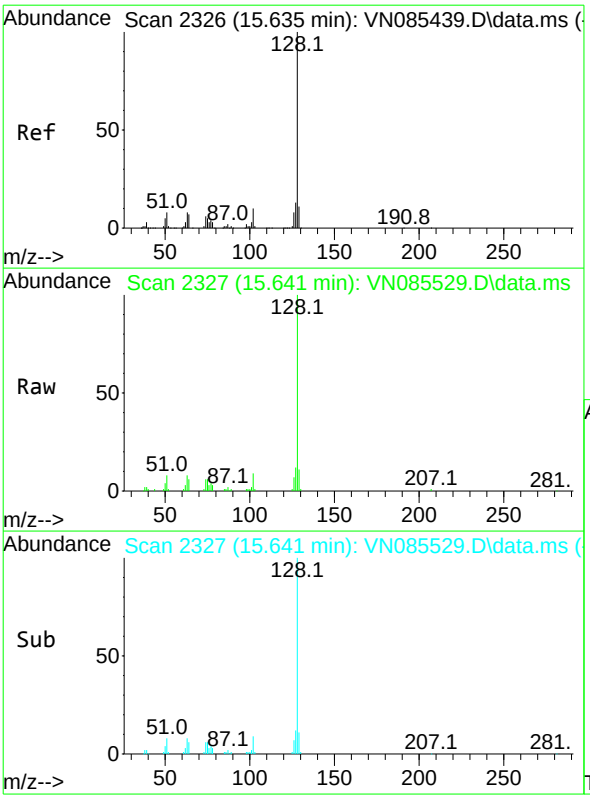
Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.7	92.1
227	62.5	30.9	92.5



Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Manual Integrations
APPROVED

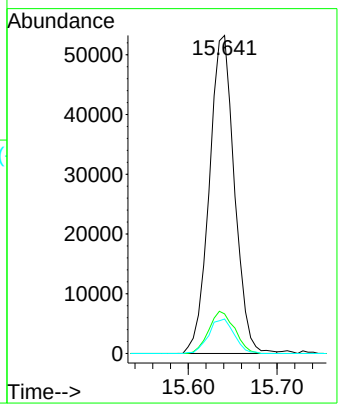
Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

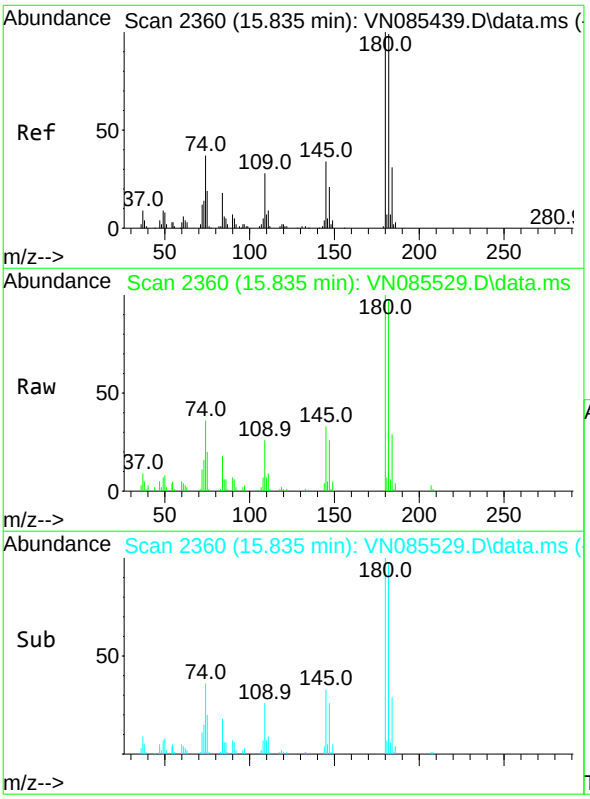


#95
Naphthalene
Concen: 18.394 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:128 Resp: 104713

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	11.0	8.8	13.2

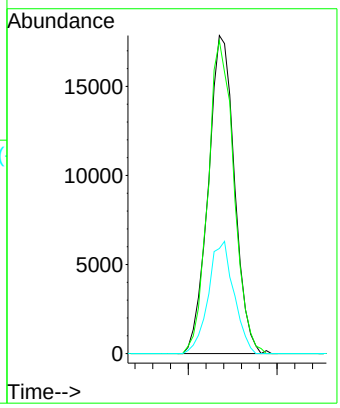




#96
1,2,3-Trichlorobenzene
Concen: 18.978 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085529.D
Acq: 28 Jan 2025 11:15

Tgt Ion:180 Resp: 36634

Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.4	142.2
145	34.3	16.9	50.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020938.D
Acq On : 27 Jan 2025 10:30
Operator : SY/MD
Sample : VY0127SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 28 01:09:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	284690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	421508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	350671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	176333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	110174	48.538	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.080%			
35) Dibromofluoromethane	7.646	113	113757	47.011	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.020%			
50) Toluene-d8	10.115	98	437191	46.579	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.160%			
62) 4-Bromofluorobenzene	12.414	95	149686	47.919	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 95.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	48149	22.361	ug/l	97
3) Chloromethane	2.080	50	36177	22.589	ug/l	100
4) Vinyl Chloride	2.214	62	38449	22.028	ug/l	100
5) Bromomethane	2.610	94	25063	21.200	ug/l	98
6) Chloroethane	2.751	64	22140	21.620	ug/l	94
7) Trichlorofluoromethane	3.074	101	80219	21.631	ug/l	98
8) Diethyl Ether	3.470	74	25635	22.491	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.836	101	53613	21.910	ug/l	99
10) Methyl Iodide	4.025	142	57246	19.630	ug/l	99
11) Tert butyl alcohol	4.884	59	20578	117.438	ug/l	96
12) 1,1-Dichloroethene	3.805	96	50393	21.807	ug/l	97
13) Acrolein	3.671	56	28649	120.605	ug/l	98
14) Allyl chloride	4.403	41	71560	22.186	ug/l	97
15) Acrylonitrile	5.080	53	53095	118.506	ug/l	99
16) Acetone	3.885	43	37133	120.743	ug/l	89
17) Carbon Disulfide	4.129	76	156670	21.953	ug/l	99
18) Methyl Acetate	4.403	43	25924	23.335	ug/l	100
19) Methyl tert-butyl Ether	5.134	73	119786	22.380	ug/l	95
20) Methylene Chloride	4.635	84	49667	21.715	ug/l	99
21) trans-1,2-Dichloroethene	5.134	96	53877	21.624	ug/l	96
22) Diisopropyl ether	6.031	45	143225	22.076	ug/l	92
23) Vinyl Acetate	5.976	43	410775	114.402	ug/l	99
24) 1,1-Dichloroethane	5.933	63	89697	21.810	ug/l	97
25) 2-Butanone	6.909	43	61766	118.564	ug/l	98
26) 2,2-Dichloropropane	6.902	77	87236	21.535	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	61025	21.702	ug/l	99
28) Bromochloromethane	7.256	49	35732	21.588	ug/l	99
29) Tetrahydrofuran	7.274	42	41958	120.850	ug/l	99
30) Chloroform	7.433	83	93910	21.575	ug/l	100
31) Cyclohexane	7.719	56	85125	21.060	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	91052	21.566	ug/l	99
36) 1,1-Dichloropropene	7.847	75	71879	21.275	ug/l	99
37) Ethyl Acetate	7.000	43	30141	22.995	ug/l	99
38) Carbon Tetrachloride	7.829	117	85604	21.011	ug/l	98
39) Methylcyclohexane	9.122	83	95857	20.958	ug/l	98
40) Benzene	8.091	78	215434	21.736	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020938.D
Acq On : 27 Jan 2025 10:30
Operator : SY/MD
Sample : VY0127SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 28 01:09:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	18562	26.807	ug/l	#	88
42) 1,2-Dichloroethane	8.170	62	54032	21.908	ug/l		99
43) Isopropyl Acetate	8.207	43	56703	22.812	ug/l		100
44) Trichloroethene	8.878	130	58573	21.752	ug/l		89
45) 1,2-Dichloropropane	9.152	63	46784	21.383	ug/l		97
46) Dibromomethane	9.243	93	27400	22.029	ug/l		98
47) Bromodichloromethane	9.432	83	70879	21.417	ug/l		96
48) Methyl methacrylate	9.231	41	26351	22.474	ug/l		98
49) 1,4-Dioxane	9.243	88	6041	471.706	ug/l		94
51) 4-Methyl-2-Pentanone	10.006	43	144479	115.278	ug/l		98
52) Toluene	10.182	92	136581	21.426	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	66799	22.013	ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	76726	21.175	ug/l		98
55) 1,1,2-Trichloroethane	10.579	97	37817	22.493	ug/l		97
56) Ethyl methacrylate	10.451	69	49929	22.660	ug/l		96
57) 1,3-Dichloropropane	10.725	76	63035	22.070	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	95288	95.282	ug/l		100
59) 2-Hexanone	10.768	43	94676	117.476	ug/l		99
60) Dibromochloromethane	10.920	129	51729	21.861	ug/l		99
61) 1,2-Dibromoethane	11.024	107	35891	22.319	ug/l		97
64) Tetrachloroethene	10.658	164	53316	21.848	ug/l		96
65) Chlorobenzene	11.450	112	147278	21.477	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	52538	21.560	ug/l		99
67) Ethyl Benzene	11.530	91	255989	21.393	ug/l		99
68) m/p-Xylenes	11.639	106	199594	43.562	ug/l		100
69) o-Xylene	11.962	106	92840	21.692	ug/l		99
70) Styrene	11.981	104	153642	21.905	ug/l		99
71) Bromoform	12.139	173	31094	22.534	ug/l	#	99
73) Isopropylbenzene	12.261	105	248935	20.498	ug/l		100
74) N-amyl acetate	12.078	43	47129	21.809	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.517	83	41935	22.193	ug/l		100
76) 1,2,3-Trichloropropane	12.566	75	33394m	26.785	ug/l		
77) Bromobenzene	12.542	156	59254	20.815	ug/l		98
78) n-propylbenzene	12.603	91	293711	20.762	ug/l		99
79) 2-Chlorotoluene	12.688	91	166593	20.764	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	202745	20.777	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.310	75	14641	22.688	ug/l		96
82) 4-Chlorotoluene	12.785	91	171424	20.923	ug/l		100
83) tert-Butylbenzene	13.005	119	183352	20.371	ug/l		98
84) 1,2,4-Trimethylbenzene	13.054	105	200305	20.851	ug/l		100
85) sec-Butylbenzene	13.182	105	265445	20.685	ug/l		100
86) p-Isopropyltoluene	13.304	119	224491	20.706	ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	114125	20.935	ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	112075	20.929	ug/l		98
89) n-Butylbenzene	13.627	91	195281	20.420	ug/l		100
90) Hexachloroethane	13.889	117	43323	20.116	ug/l		100
91) 1,2-Dichlorobenzene	13.669	146	98897	20.940	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	6385	22.494	ug/l		99
93) 1,2,4-Trichlorobenzene	14.931	180	58110	20.453	ug/l		99
94) Hexachlorobutadiene	15.035	225	39240	20.186	ug/l		98
95) Naphthalene	15.157	128	95967	21.064	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	49716	20.828	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020938.D
Acq On : 27 Jan 2025 10:30
Operator : SY/MD
Sample : VY0127SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 28 01:09:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

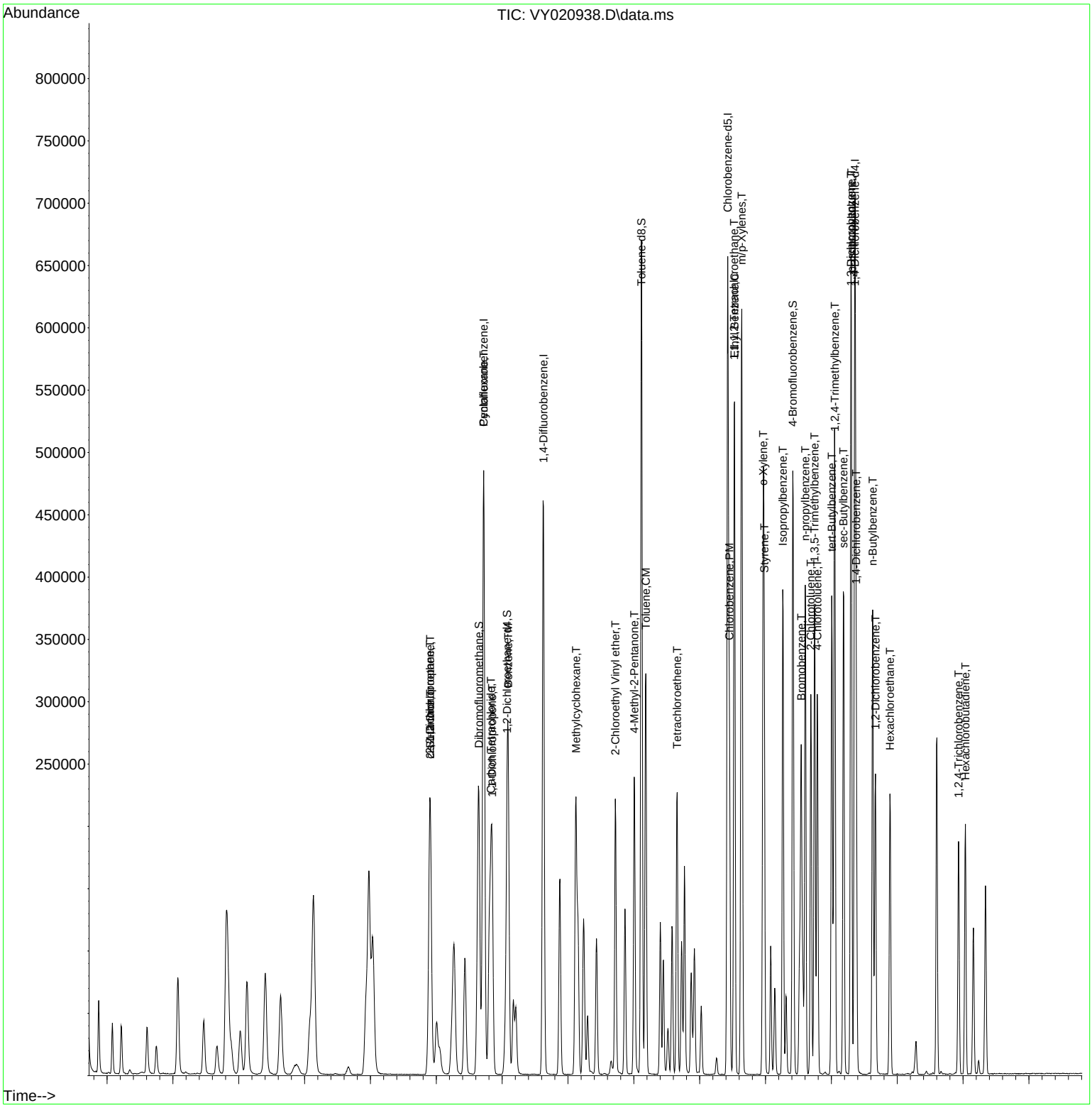
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020938.D
Acq On : 27 Jan 2025 10:30
Operator : SY/MD
Sample : VY0127SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

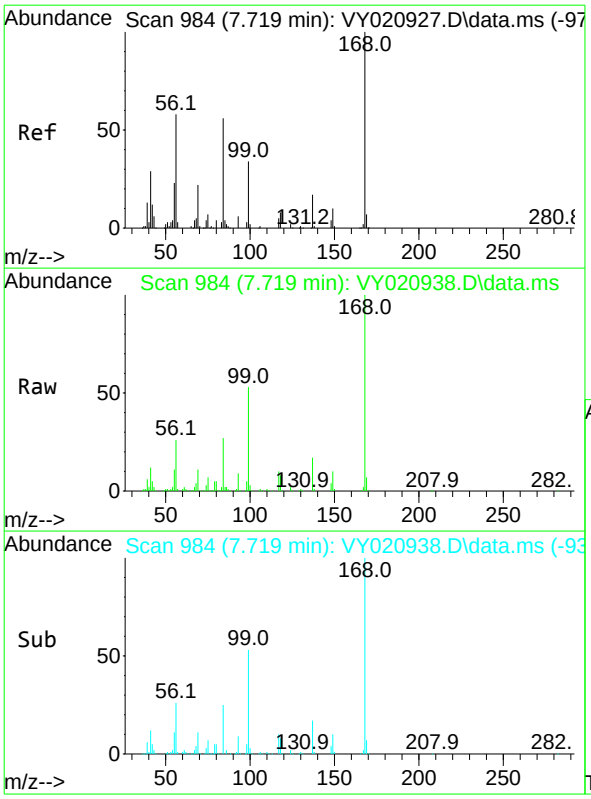
Quant Time: Jan 28 01:09:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

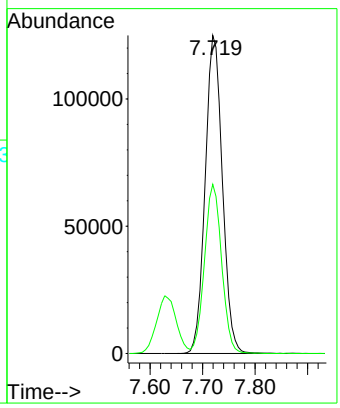




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:168 Resp: 284690

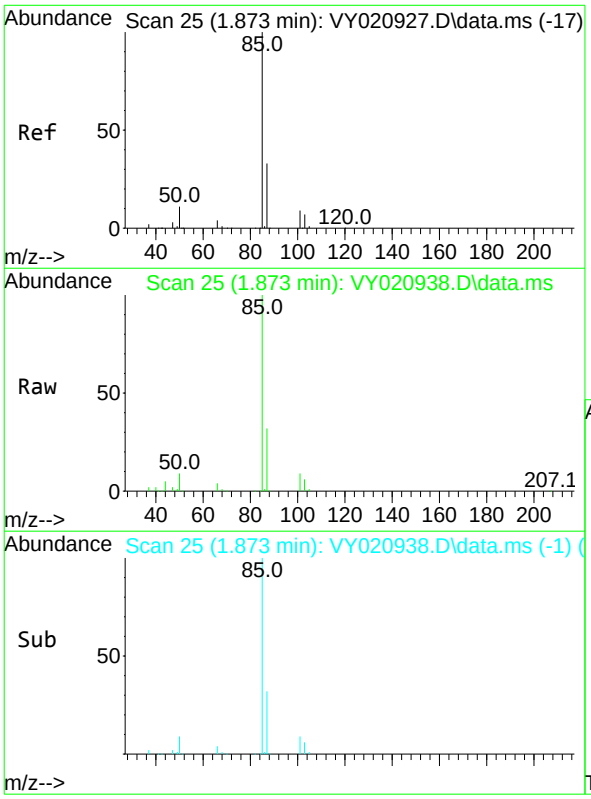
Ion	Ratio	Lower	Upper
168	100		
99	53.2	43.0	64.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

Manual Integrations
APPROVED

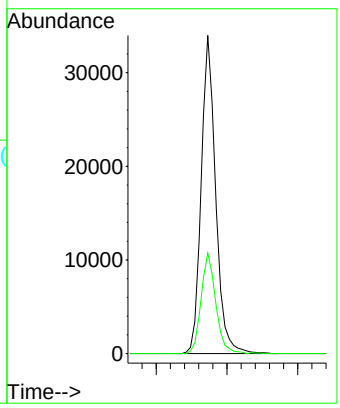
Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025



#2
Dichlorodifluoromethane
Concen: 22.361 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 85 Resp: 48149

Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.6	49.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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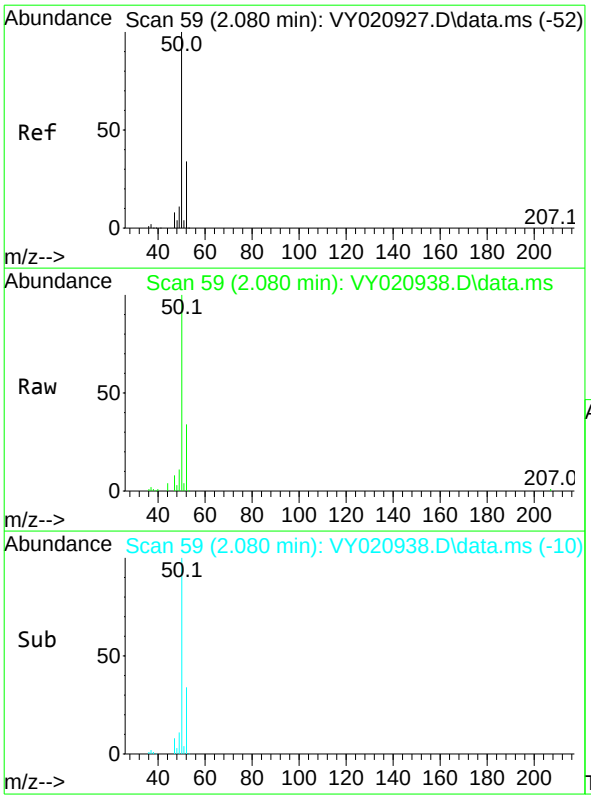
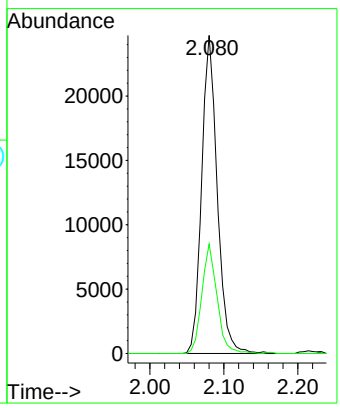
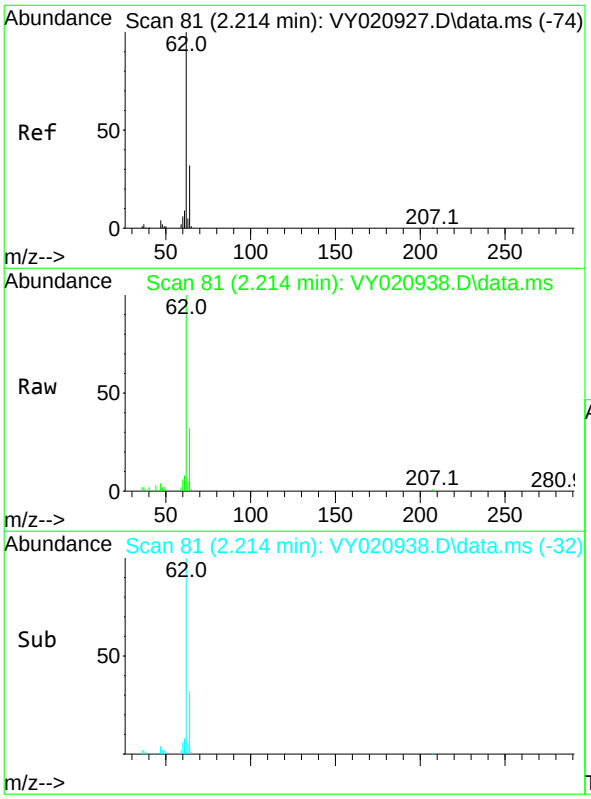


#3
Chloromethane
Concen: 22.589 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 50 Resp: 36177

Ion	Ratio	Lower	Upper
50	100		
52	34.4	27.4	41.0

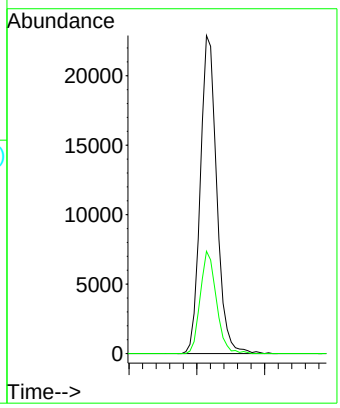


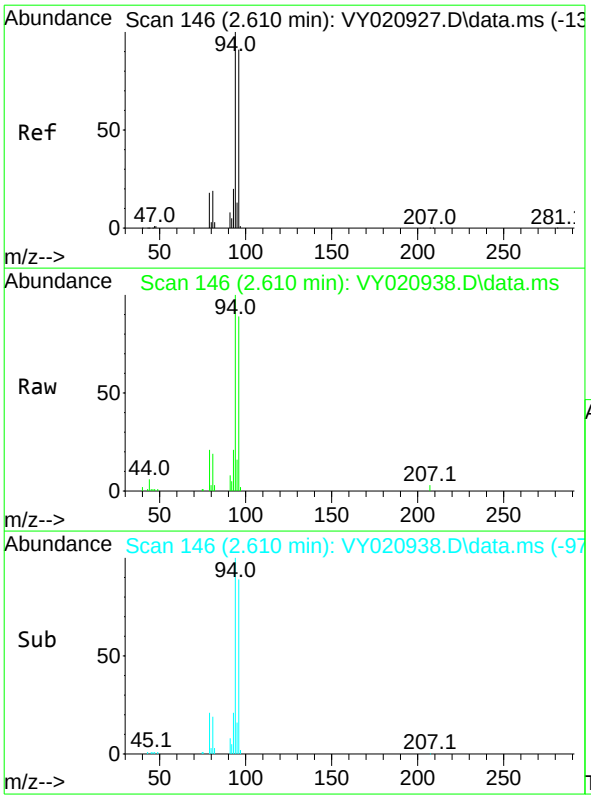


#4
Vinyl Chloride
Concen: 22.028 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 62 Resp: 38449

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.7	38.5

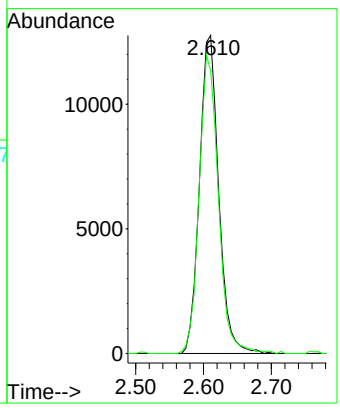




#5
Bromomethane
Concen: 21.200 ug/l
RT: 2.610 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 94 Resp: 25063

Ion	Ratio	Lower	Upper
94	100		
96	89.0	72.6	109.0



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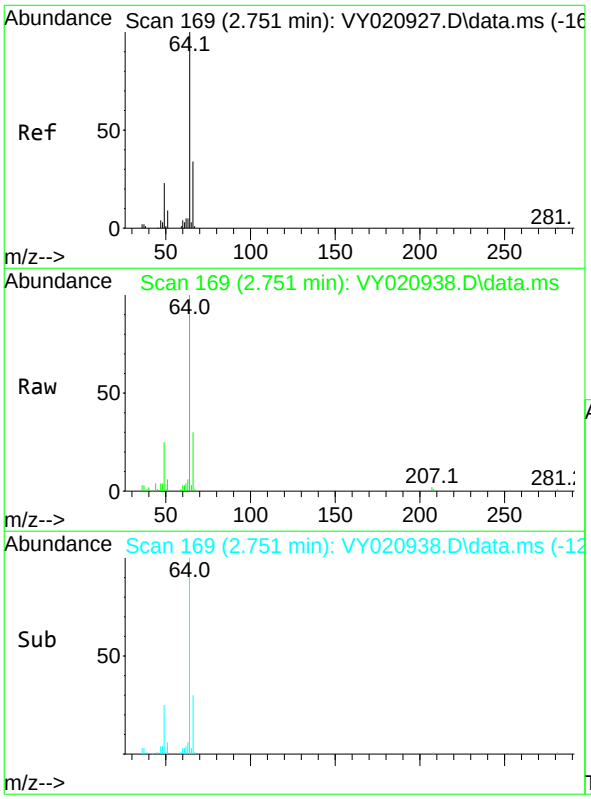
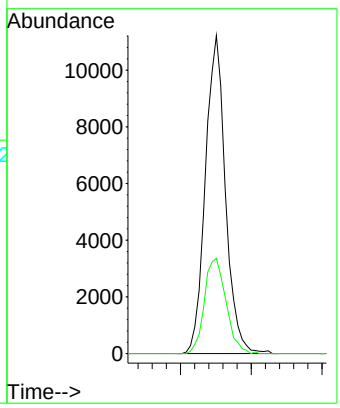
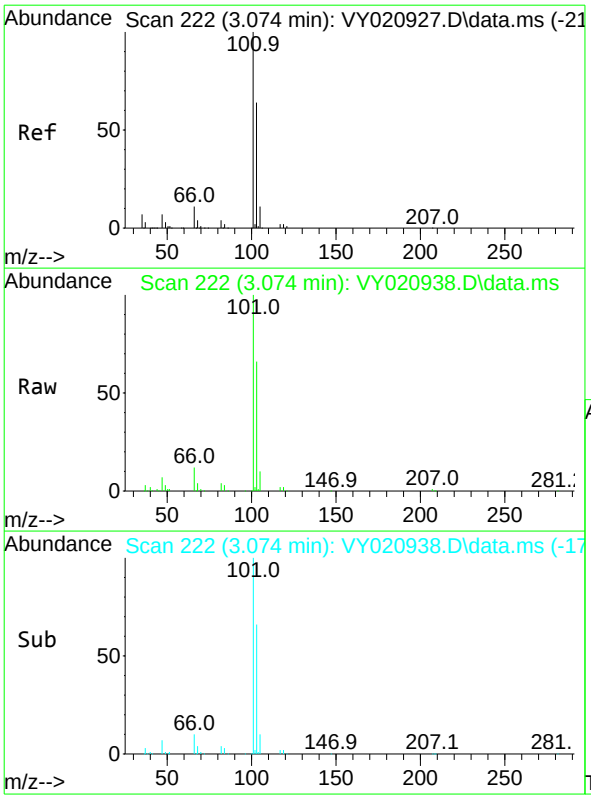


#6
Chloroethane
Concen: 21.620 ug/l
RT: 2.751 min Scan# 169
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 64 Resp: 22140

Ion	Ratio	Lower	Upper
64	100		
66	30.0	26.9	40.3

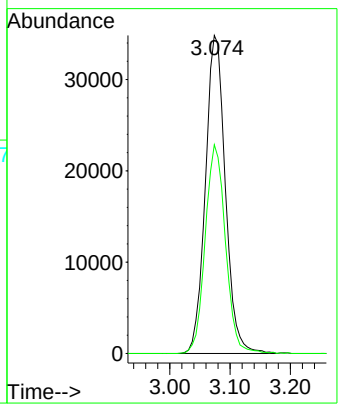




#7
Trichlorofluoromethane
Concen: 21.631 ug/l
RT: 3.074 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:101 Resp: 80219

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.0	76.4



Instrument :
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ClientSampleId :
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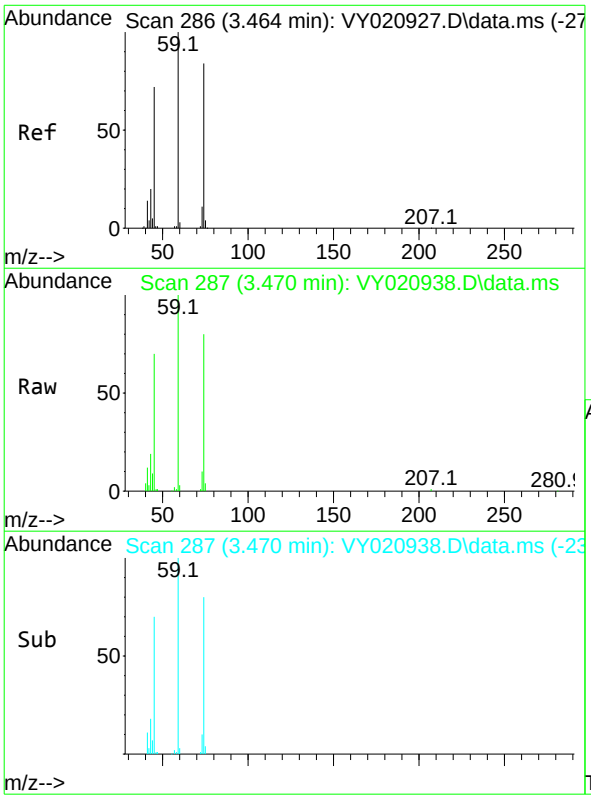
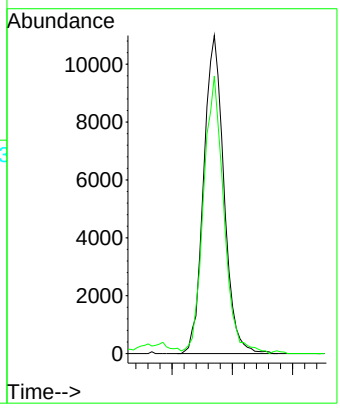
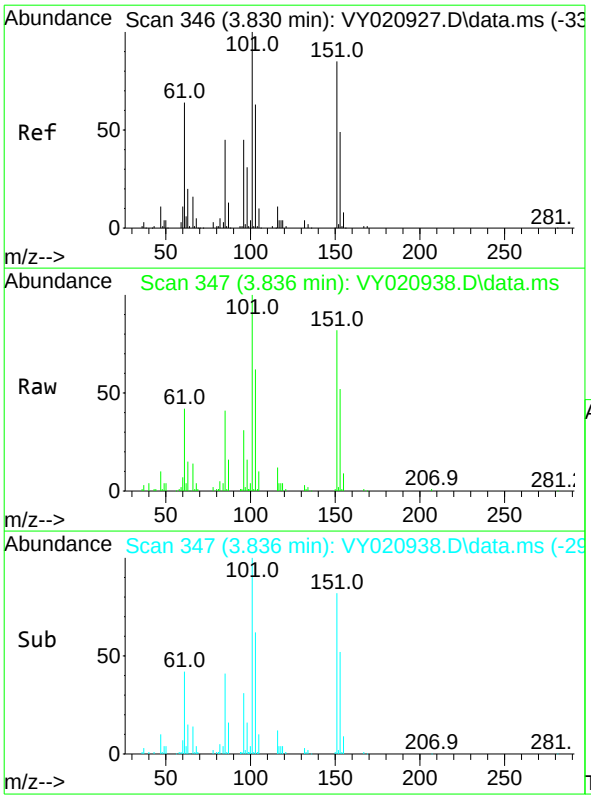


#8
Diethyl Ether
Concen: 22.491 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 74 Resp: 25635

Ion	Ratio	Lower	Upper
74	100		
45	87.3	45.1	135.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.910 ug/l
RT: 3.836 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

Tgt Ion:101 Resp: 53613

Ion	Ratio	Lower	Upper
101	100		
85	42.9	35.4	53.2
151	83.6	66.3	99.5

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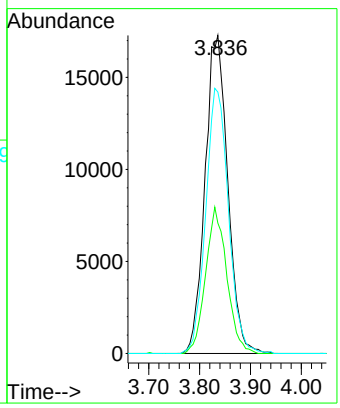
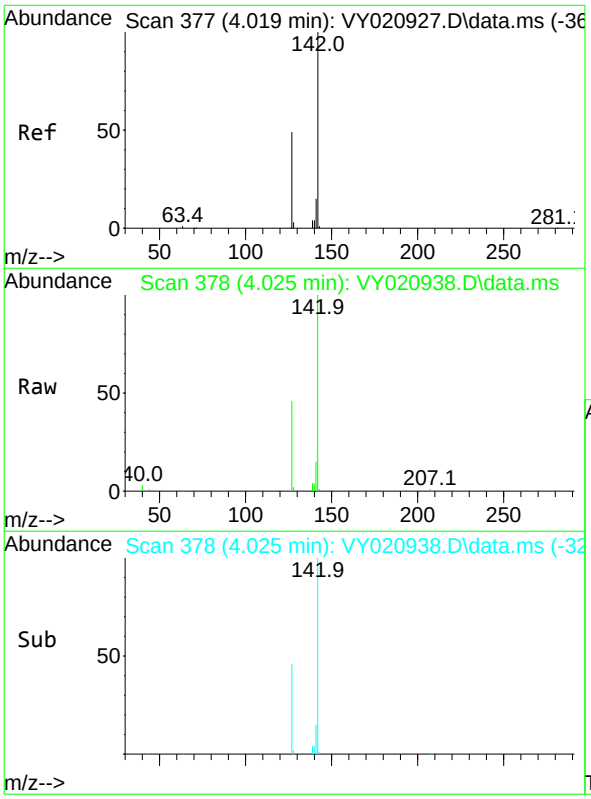
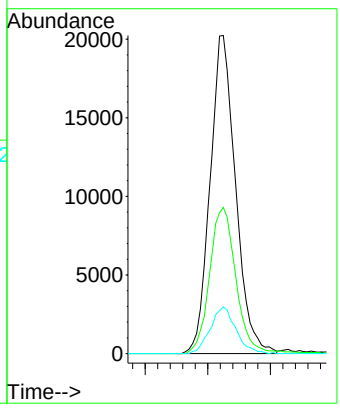


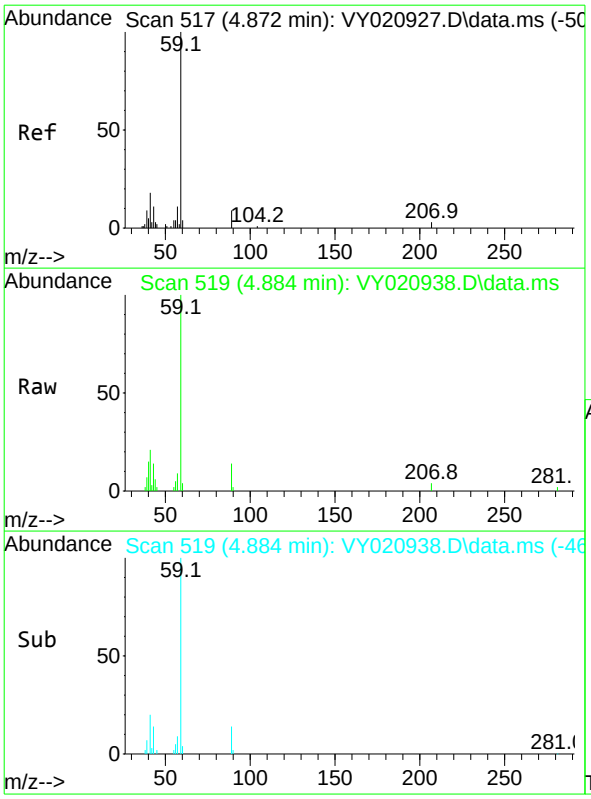


#10
Methyl Iodide
Concen: 19.630 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:142 Resp: 57246

Ion	Ratio	Lower	Upper
142	100		
127	47.5	37.3	55.9
141	14.7	11.4	17.2

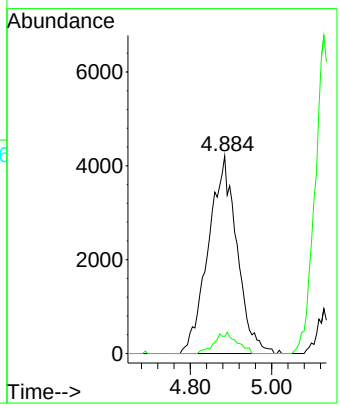




#11
Tert butyl alcohol
Concen: 117.438 ug/l
RT: 4.884 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 59 Resp: 20578

Ion	Ratio	Lower	Upper
59	100		
57	8.3	7.7	11.5



Instrument :
MSVOA_Y
ClientSampleId :
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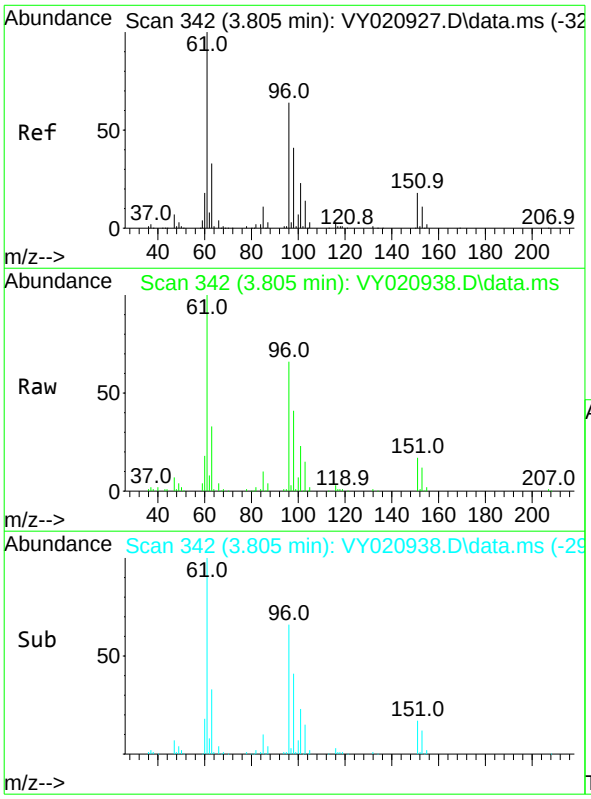
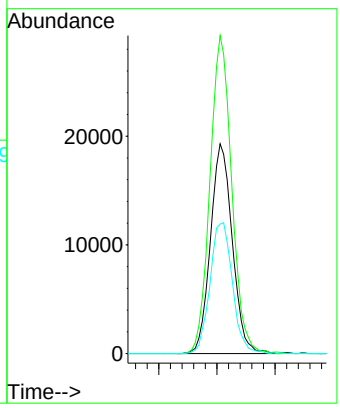


#12
1,1-Dichloroethene
Concen: 21.807 ug/l
RT: 3.805 min Scan# 342
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 96 Resp: 50393

Ion	Ratio	Lower	Upper
96	100		
61	151.6	124.5	186.7
98	61.7	50.5	75.7



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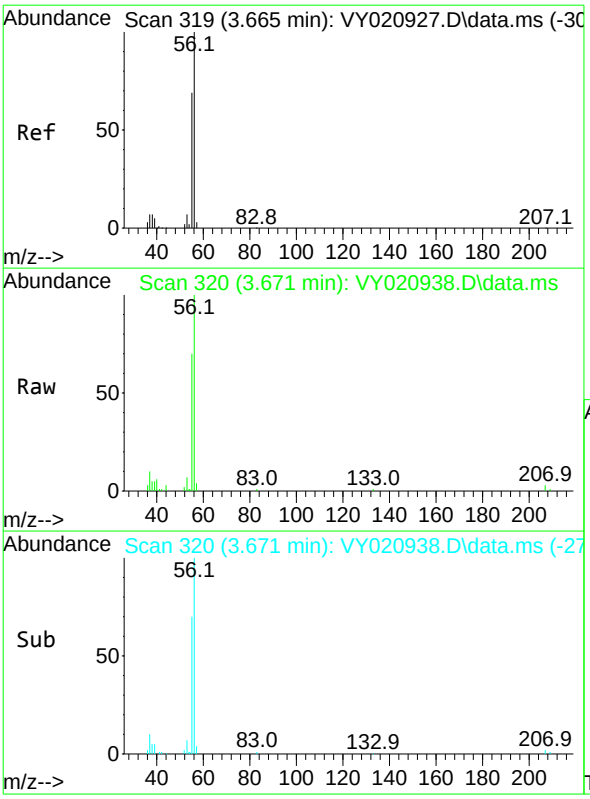
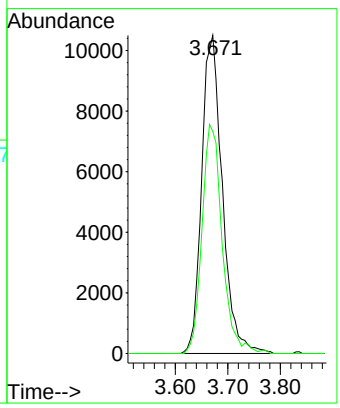


#13
Acrolein
Concen: 120.605 ug/l
RT: 3.671 min Scan# 32
Delta R.T. 0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 56 Resp: 28649

Ion	Ratio	Lower	Upper
56	100		
55	70.1	54.6	81.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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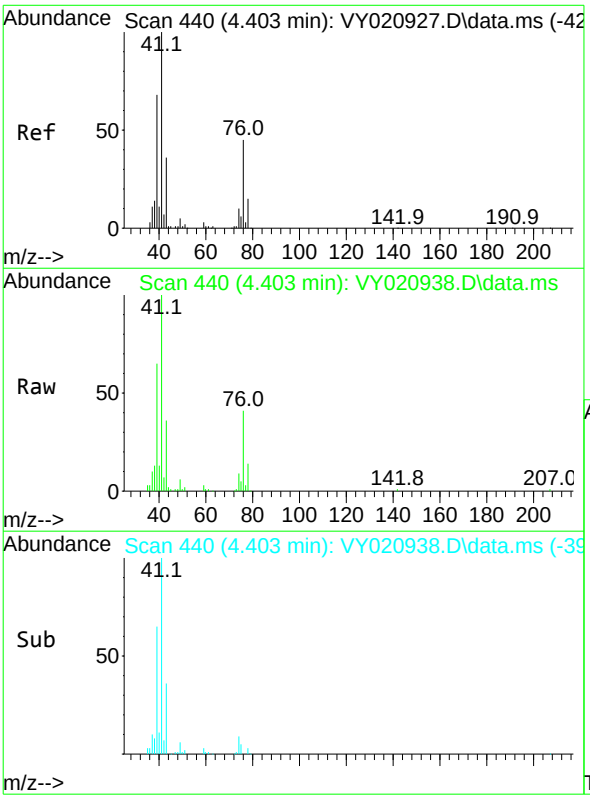
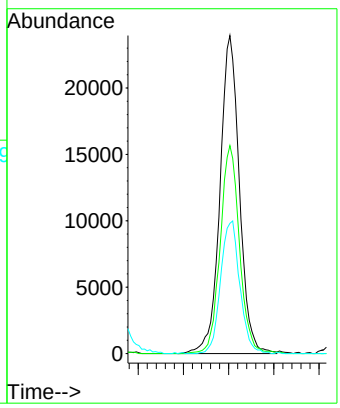


#14
Allyl chloride
Concen: 22.186 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 41 Resp: 71560

Ion	Ratio	Lower	Upper
41	100		
39	64.9	53.8	80.6
76	41.2	34.2	51.4



5

Instrument :
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ClientSampleId :
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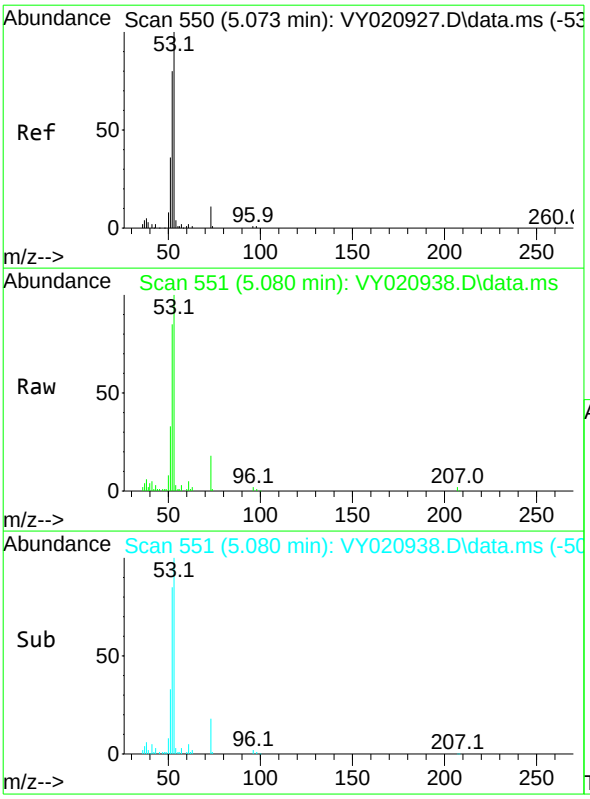
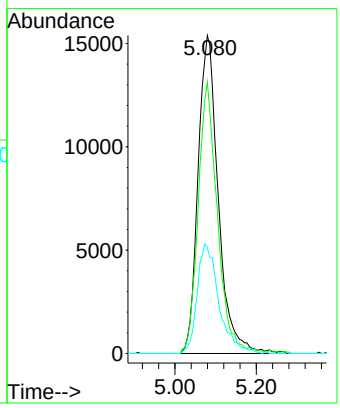
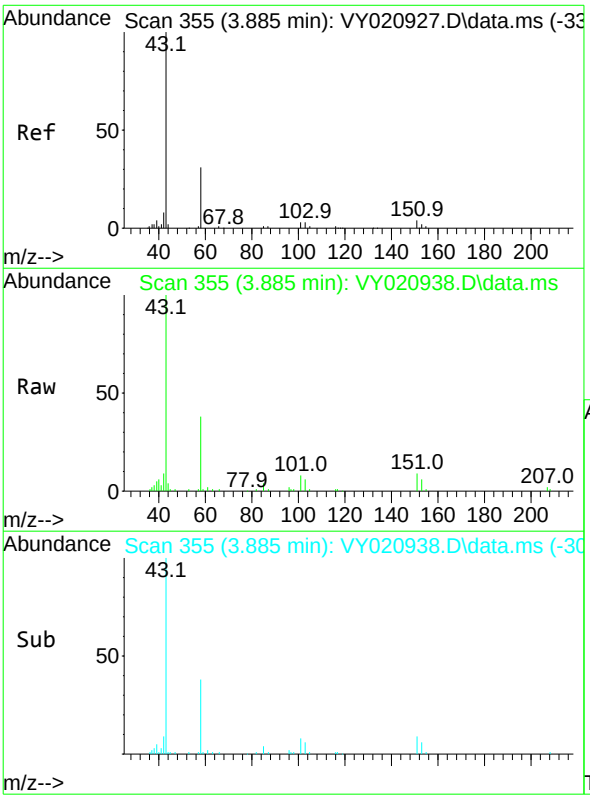


#15
Acrylonitrile
Concen: 118.506 ug/l
RT: 5.080 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 53 Resp: 53095

Ion	Ratio	Lower	Upper
53	100		
52	81.4	64.5	96.7
51	37.0	28.9	43.3

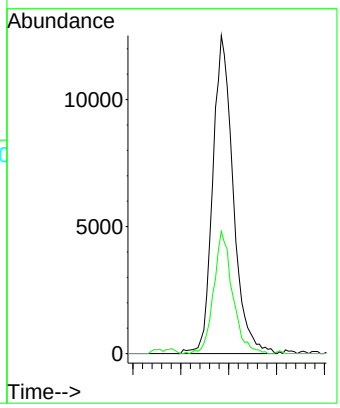


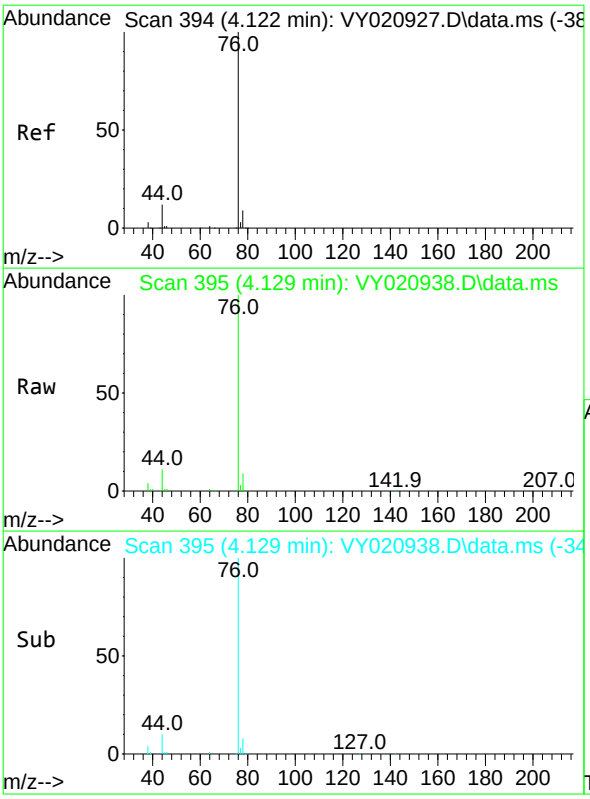


#16
Acetone
Concen: 120.743 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 43 Resp: 37133

Ion	Ratio	Lower	Upper
43	100		
58	38.0	25.6	38.4

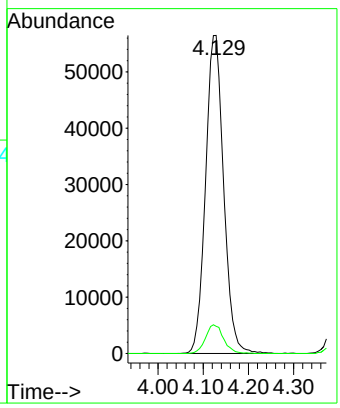




#17
Carbon Disulfide
Concen: 21.953 ug/l
RT: 4.129 min Scan# 39
Delta R.T. 0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 76 Resp: 156670

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8



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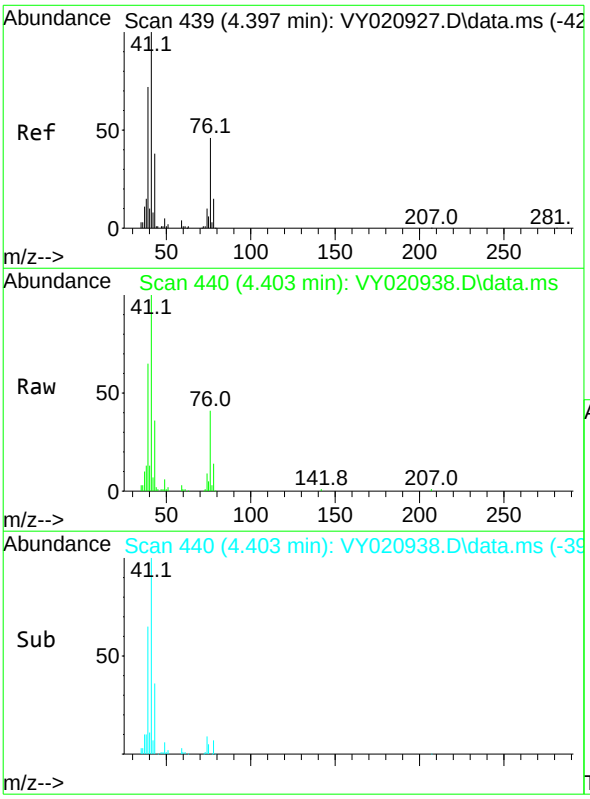
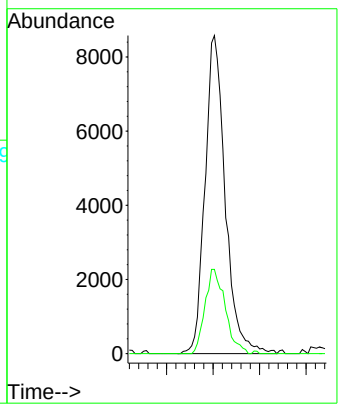
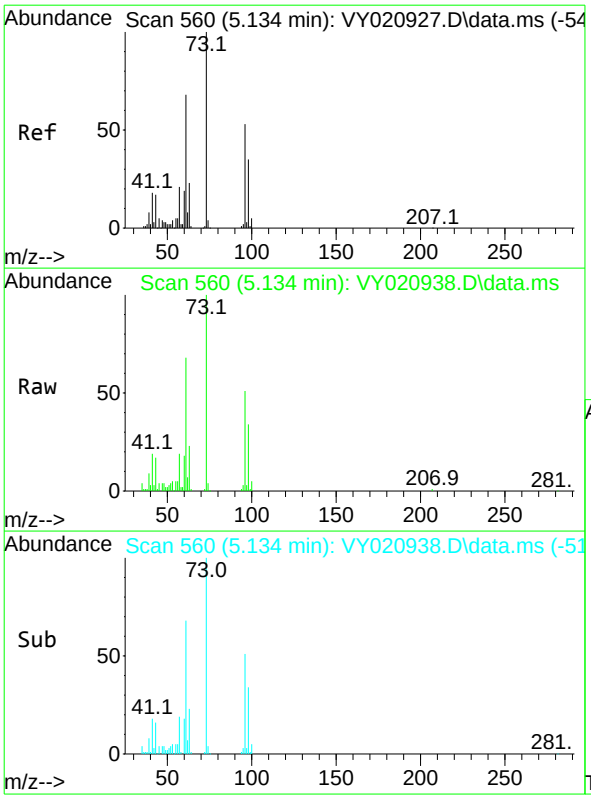


#18
Methyl Acetate
Concen: 23.335 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 43 Resp: 25924

Ion	Ratio	Lower	Upper
43	100		
74	26.4	21.0	31.6

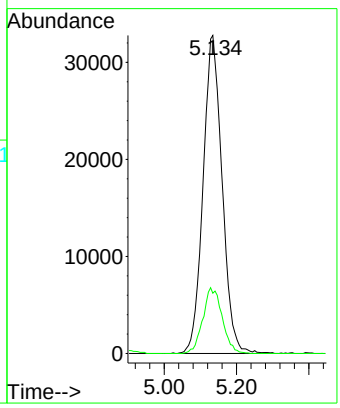




#19
Methyl tert-butyl Ether
Concen: 22.380 ug/l
RT: 5.134 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 73 Resp: 119786

Ion	Ratio	Lower	Upper
73	100		
57	18.9	17.0	25.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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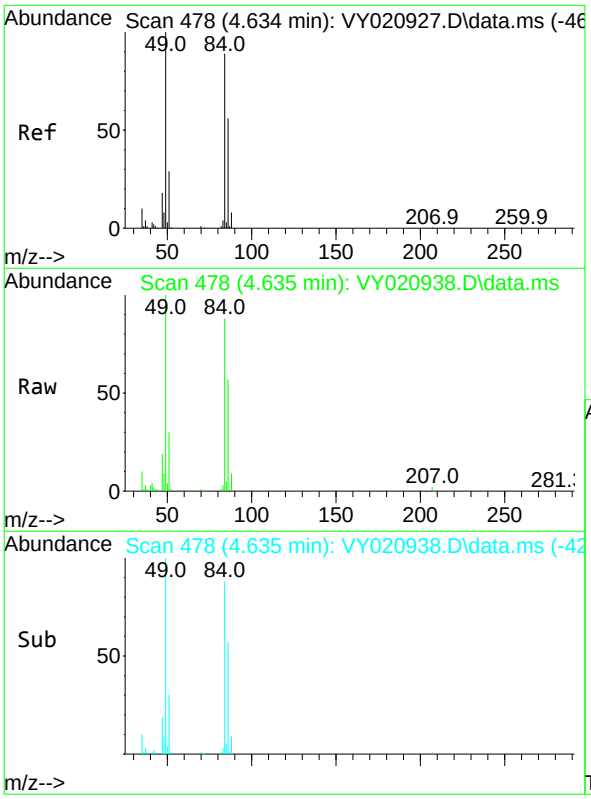
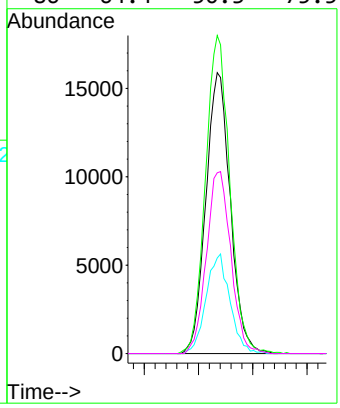
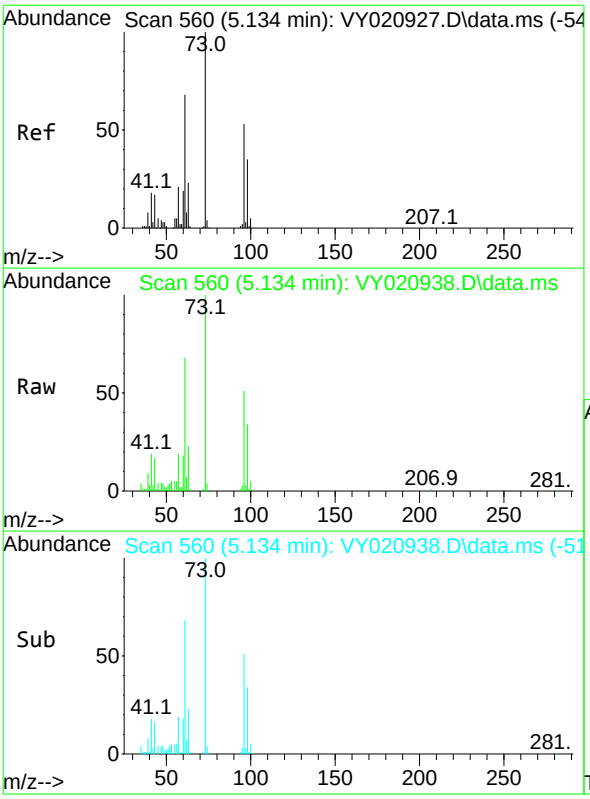


#20
Methylene Chloride
Concen: 21.715 ug/l
RT: 4.635 min Scan# 478
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 84 Resp: 49667

Ion	Ratio	Lower	Upper
84	100		
49	113.2	90.3	135.5
51	34.0	26.6	39.8
86	64.4	50.3	75.5

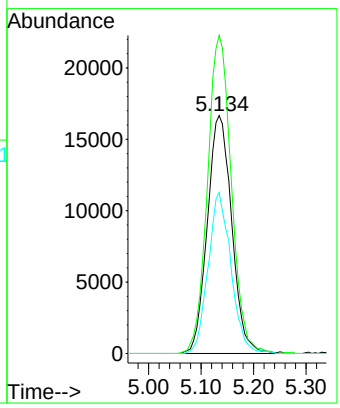




#21
trans-1,2-Dichloroethene
Concen: 21.624 ug/l
RT: 5.134 min Scan# 56
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 96 Resp: 53877

Ion	Ratio	Lower	Upper
96	100		
61	133.7	102.4	153.6
98	67.7	52.0	78.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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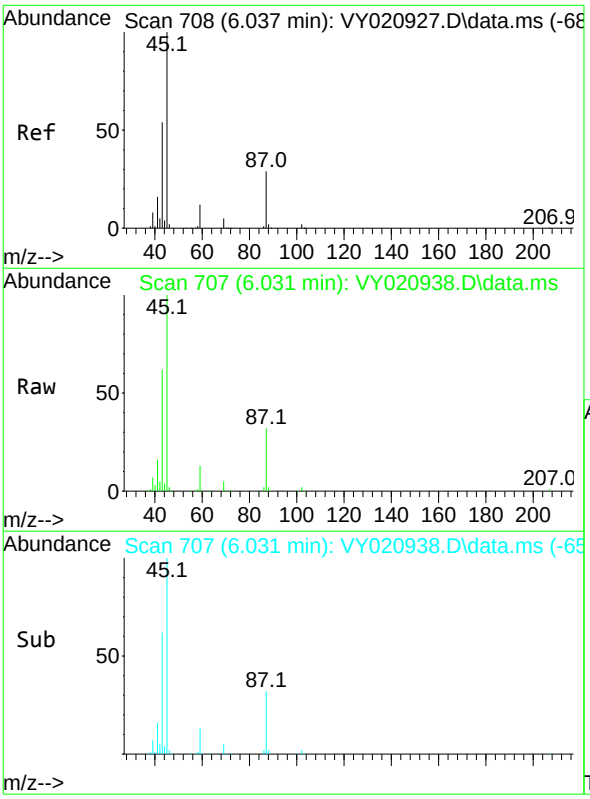
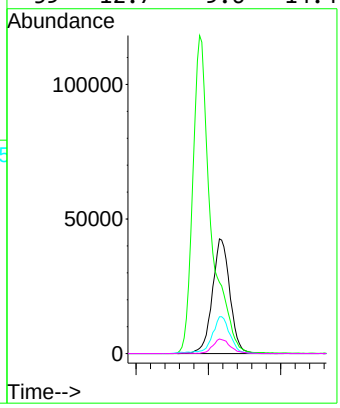
Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

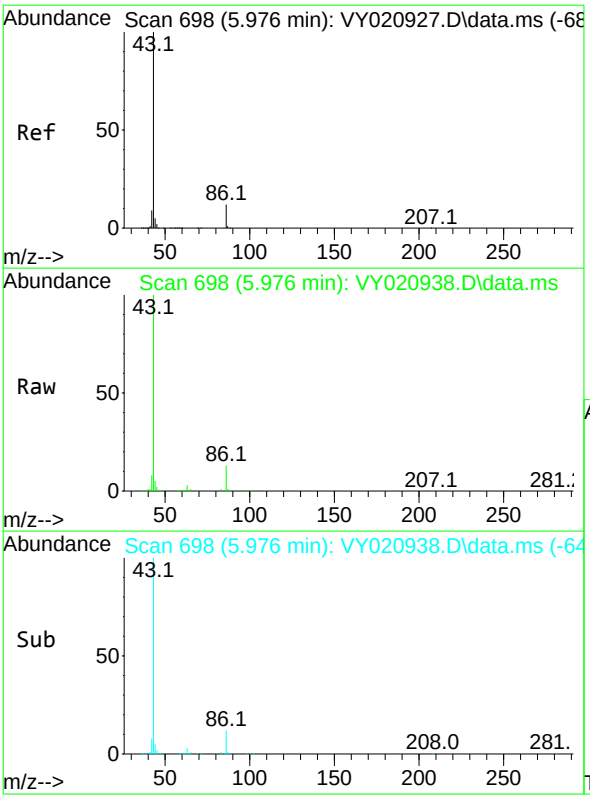


#22
Diisopropyl ether
Concen: 22.076 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 45 Resp: 143225

Ion	Ratio	Lower	Upper
45	100		
43	61.6	43.2	64.8
87	32.1	23.4	35.0
59	12.7	9.6	14.4

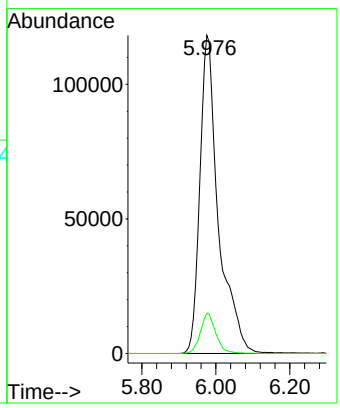




#23
Vinyl Acetate
Concen: 114.402 ug/l
RT: 5.976 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 43 Resp: 410775

Ion	Ratio	Lower	Upper
43	100		
86	12.6	9.8	14.6



Instrument :
MSVOA_Y
ClientSampleId :
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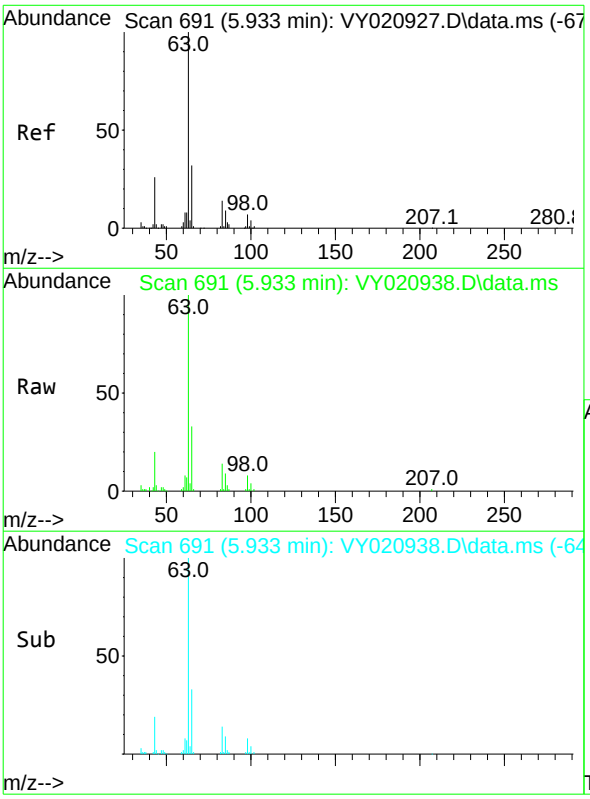
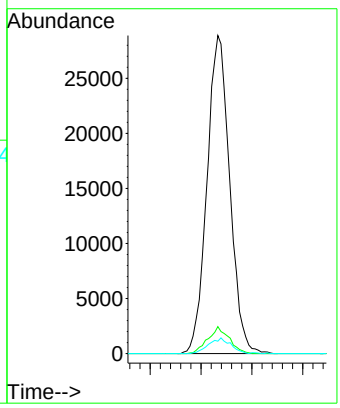
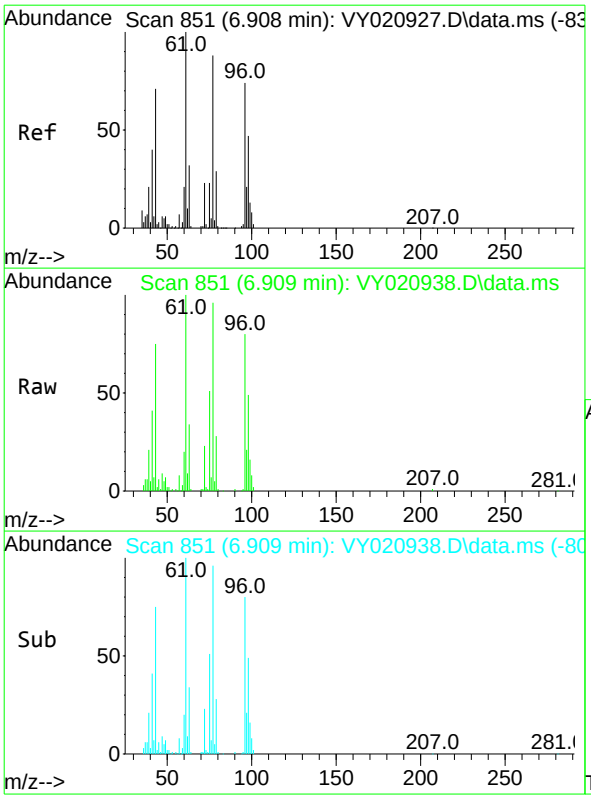


#24
1,1-Dichloroethane
Concen: 21.810 ug/l
RT: 5.933 min Scan# 691
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 63 Resp: 89697

Ion	Ratio	Lower	Upper
63	100		
98	8.5	3.7	11.1
100	3.9	2.3	6.8

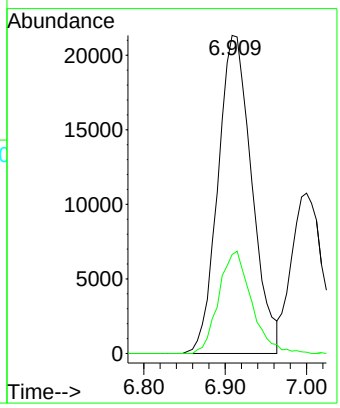




#25
2-Butanone
Concen: 118.564 ug/l
RT: 6.909 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 43 Resp: 61766

Ion	Ratio	Lower	Upper
43	100		
72	31.1	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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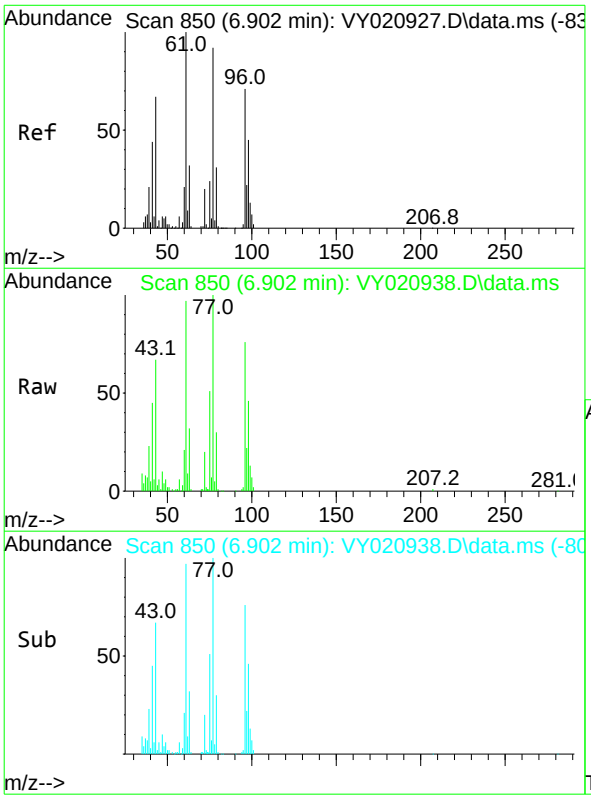
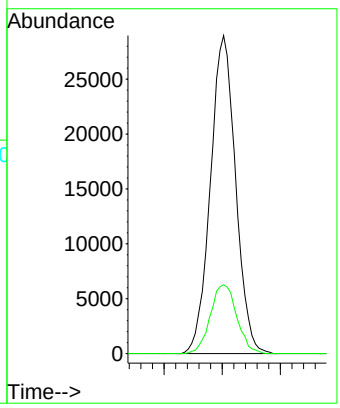
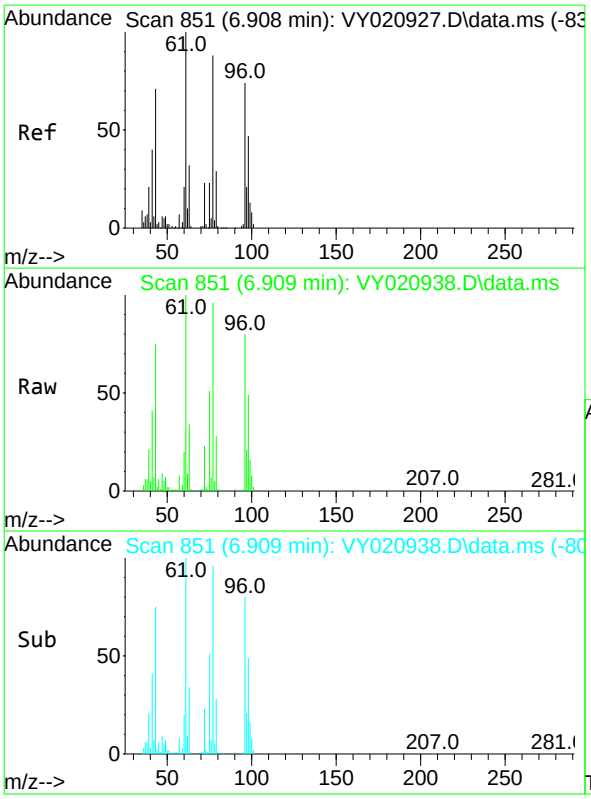


#26
2,2-Dichloropropane
Concen: 21.535 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 77 Resp: 87236

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.7	35.1

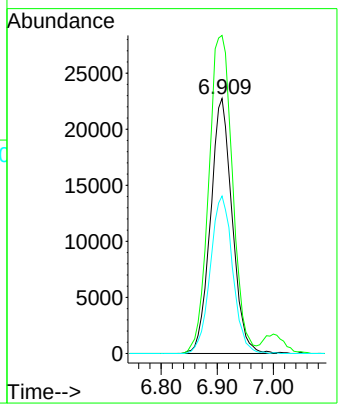




#27
cis-1,2-Dichloroethene
Concen: 21.702 ug/l
RT: 6.909 min Scan# 85
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 96 Resp: 61025

Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	275.2
98	63.6	0.0	129.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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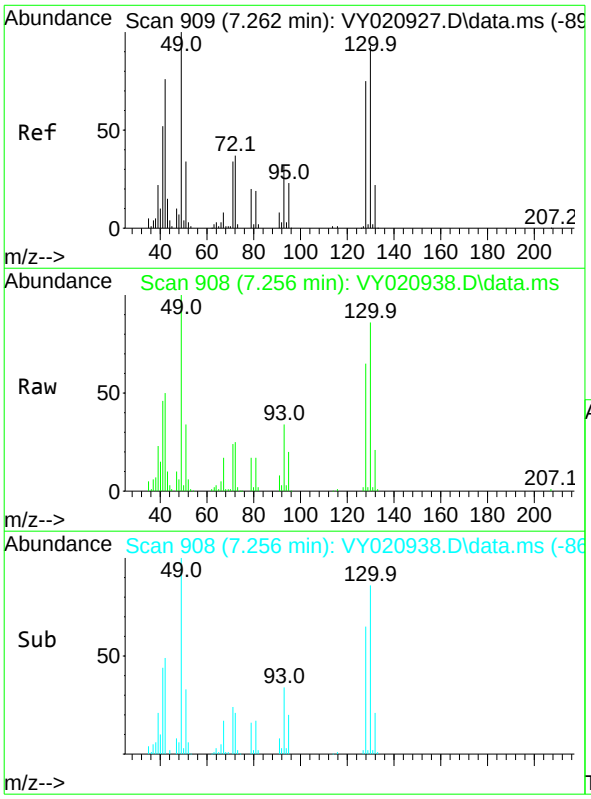
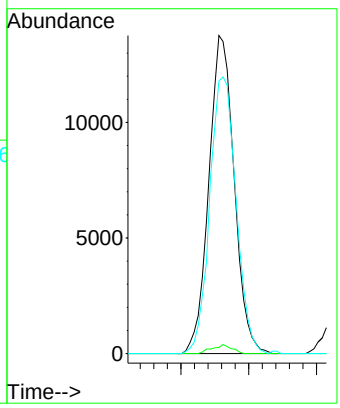
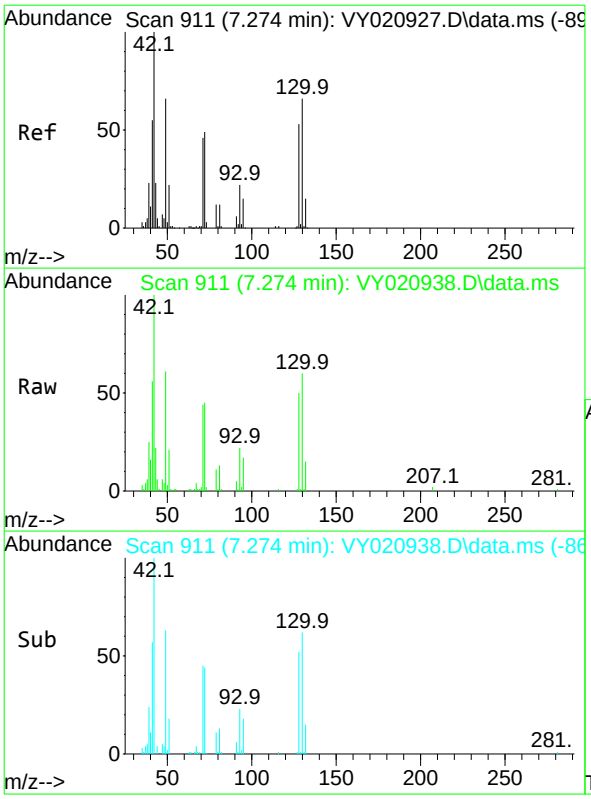


#28
Bromochloromethane
Concen: 21.588 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 49 Resp: 35732

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	90.2	72.6	109.0

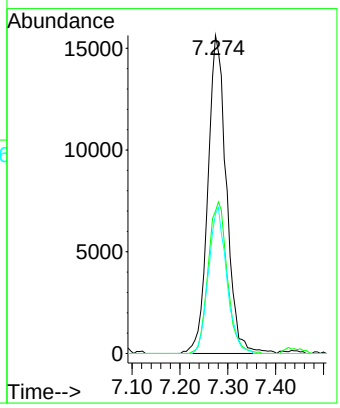




#29
Tetrahydrofuran
Concen: 120.850 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 42 Resp: 41958

Ion	Ratio	Lower	Upper
42	100		
72	49.0	38.8	58.2
71	45.2	36.4	54.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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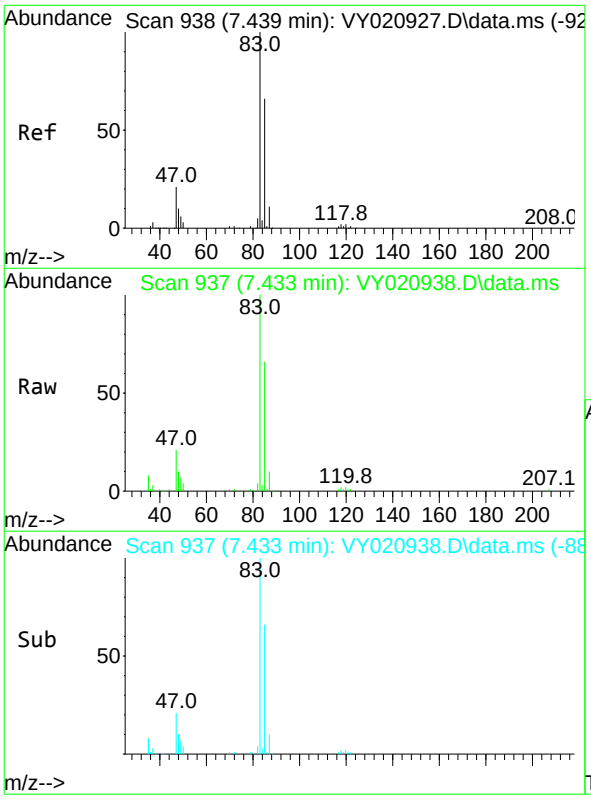
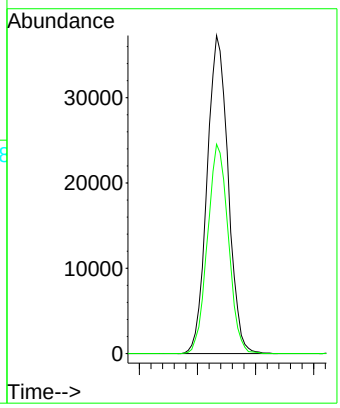
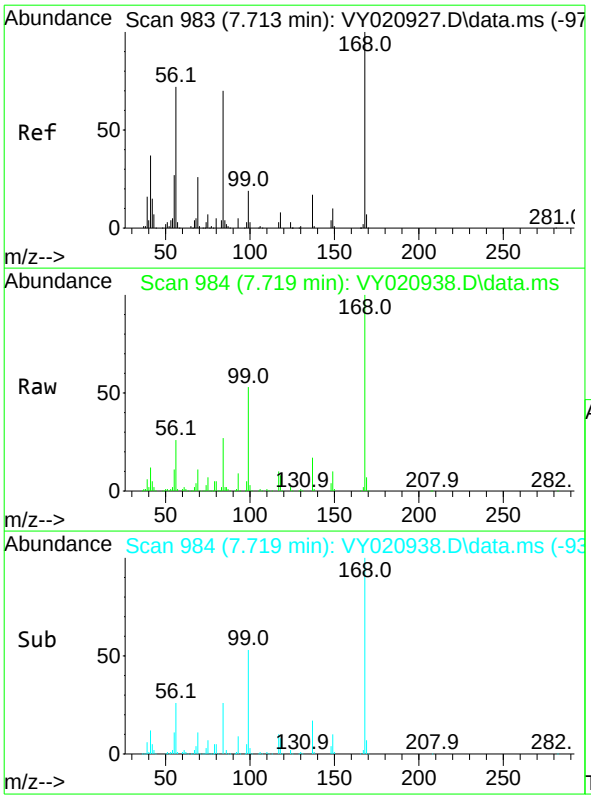


#30
Chloroform
Concen: 21.575 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 83 Resp: 93910

Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.0	79.4





#31
Cyclohexane
Concen: 21.060 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 56 Resp: 85125

Ion	Ratio	Lower	Upper
56	100		
69	41.4	28.7	43.1
84	100.1	77.4	116.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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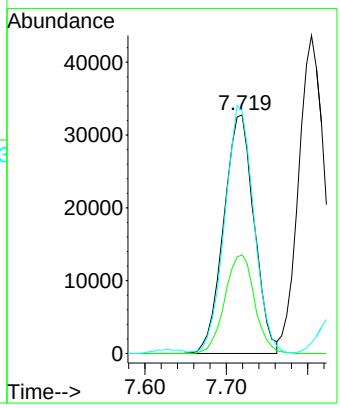
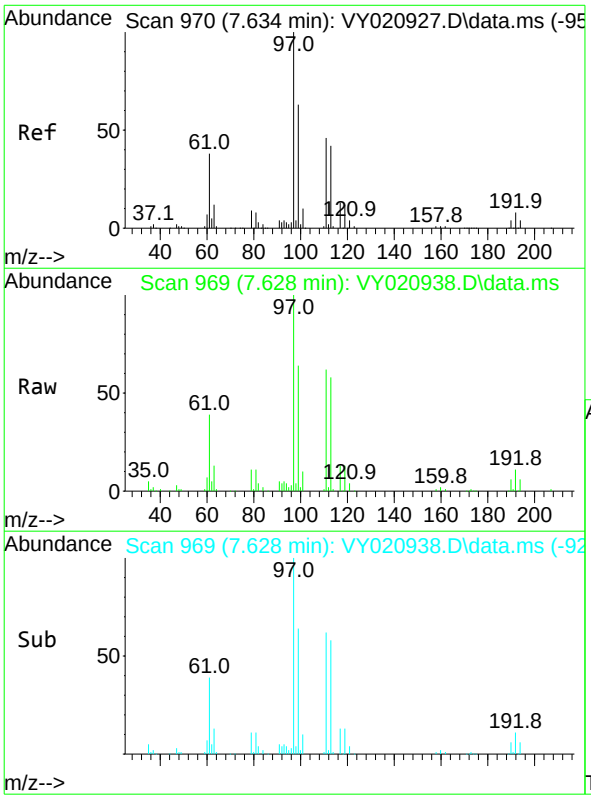
Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

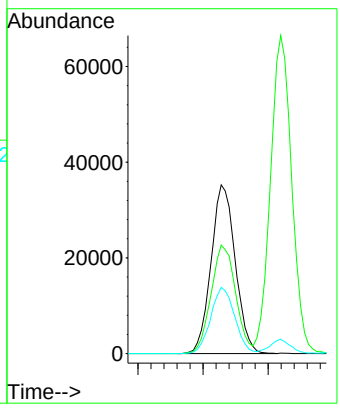


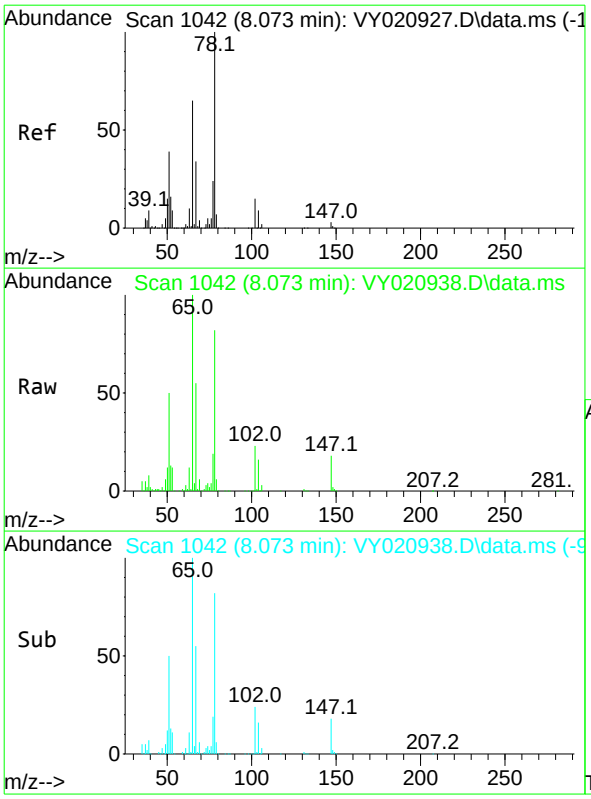


#32
1,1,1-Trichloroethane
Concen: 21.566 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 97 Resp: 91052

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.7	77.5
61	39.0	30.8	46.2

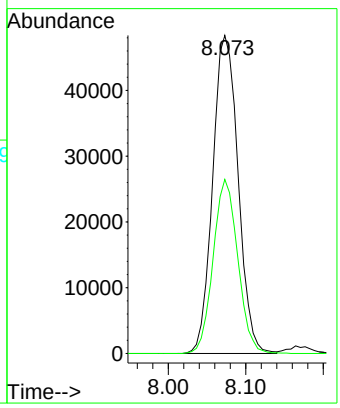




#33
1,2-Dichloroethane-d4
Concen: 48.538 ug/l
RT: 8.073 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 65 Resp: 110174

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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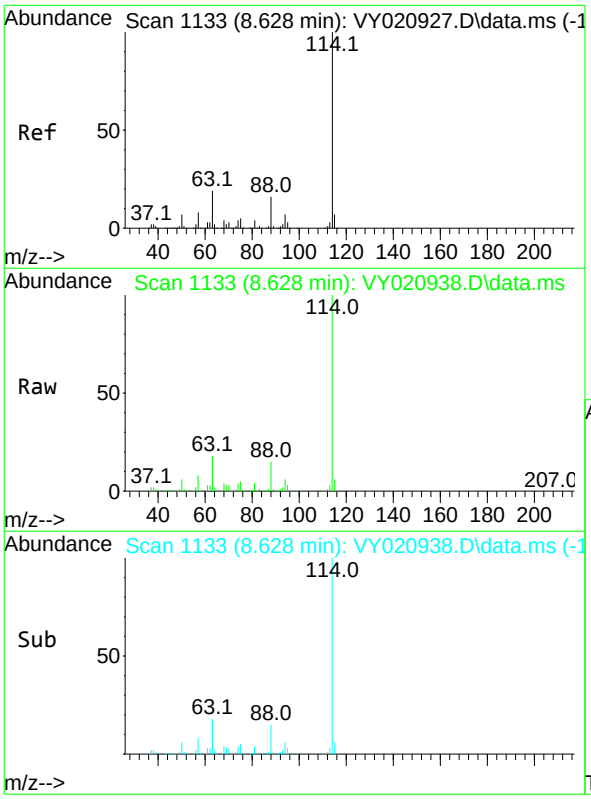
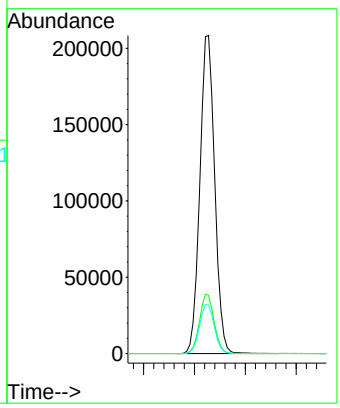
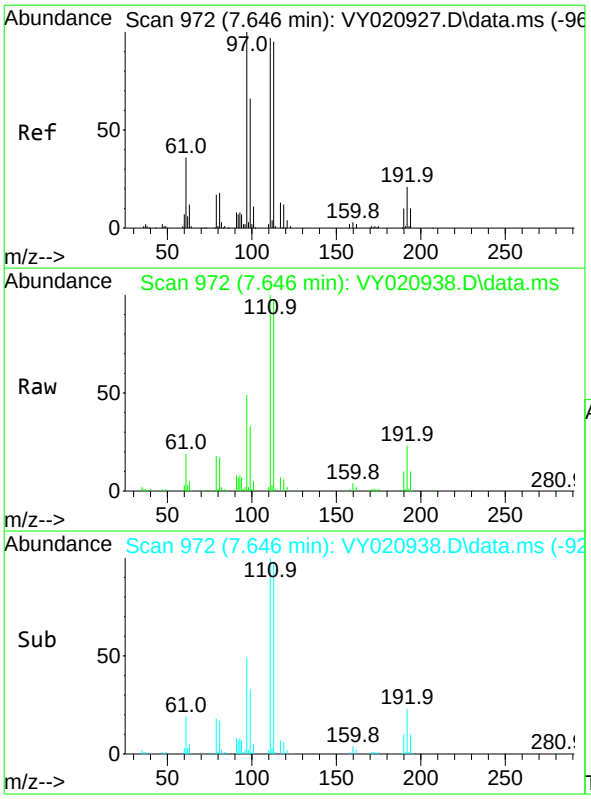


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:114 Resp: 421508

Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	38.4
88	15.3	0.0	31.6

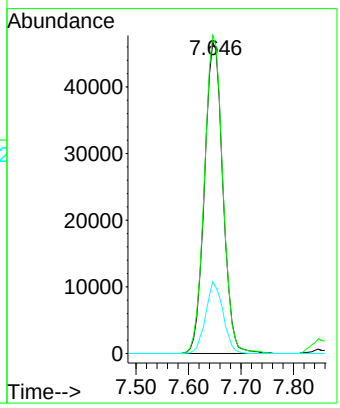




#35
Dibromofluoromethane
Concen: 47.011 ug/l
RT: 7.646 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:113 Resp: 113757

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.3	123.5
192	21.8	17.4	26.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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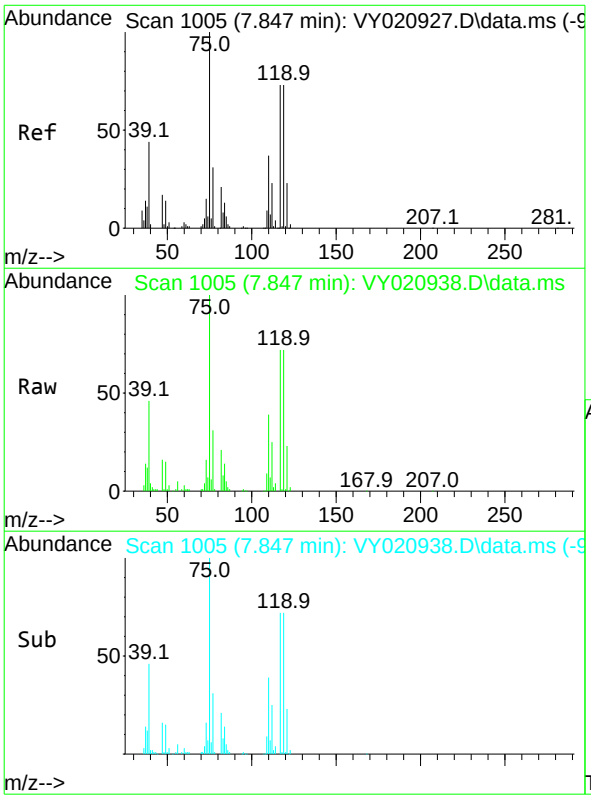
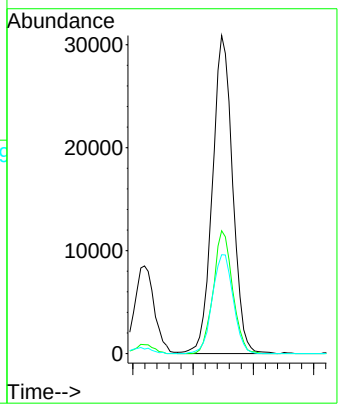
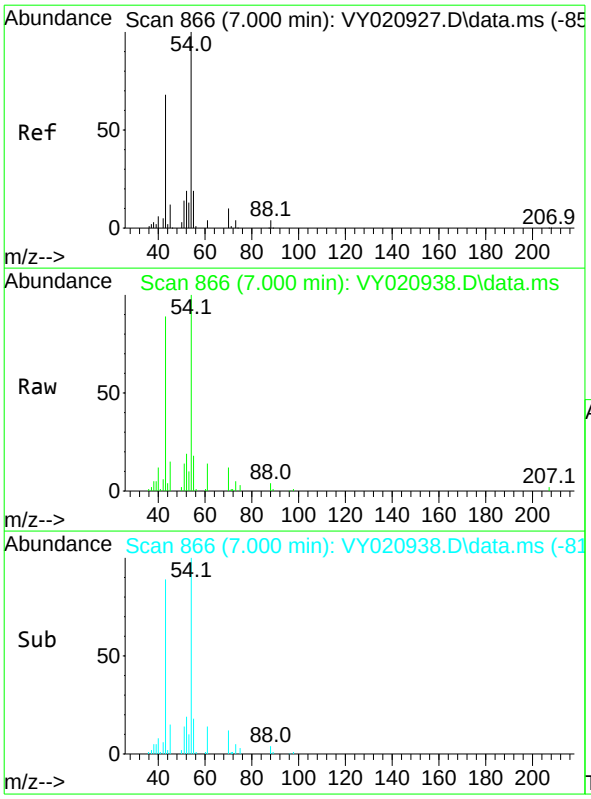


#36
1,1-Dichloropropene
Concen: 21.275 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 75 Resp: 71879

Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.5	55.5
77	32.2	25.0	37.4

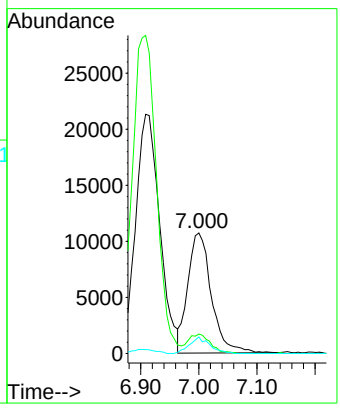




#37
Ethyl Acetate
Concen: 22.995 ug/l
RT: 7.000 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 43 Resp: 30141

Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.1	18.1
70	11.7	9.5	14.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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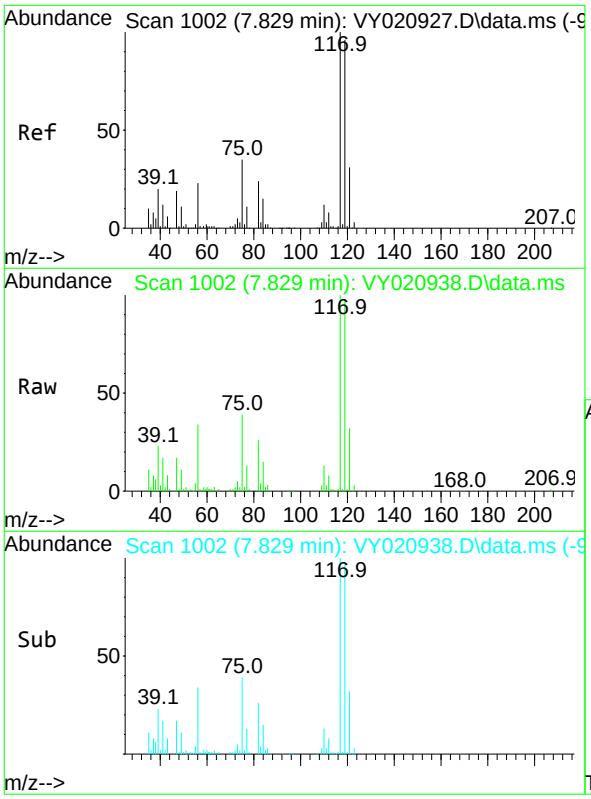
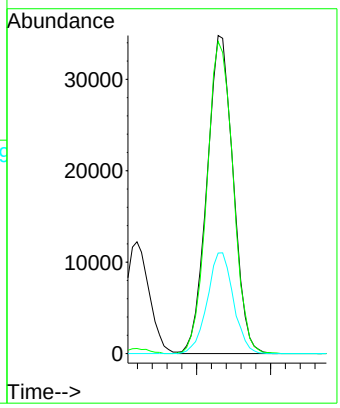
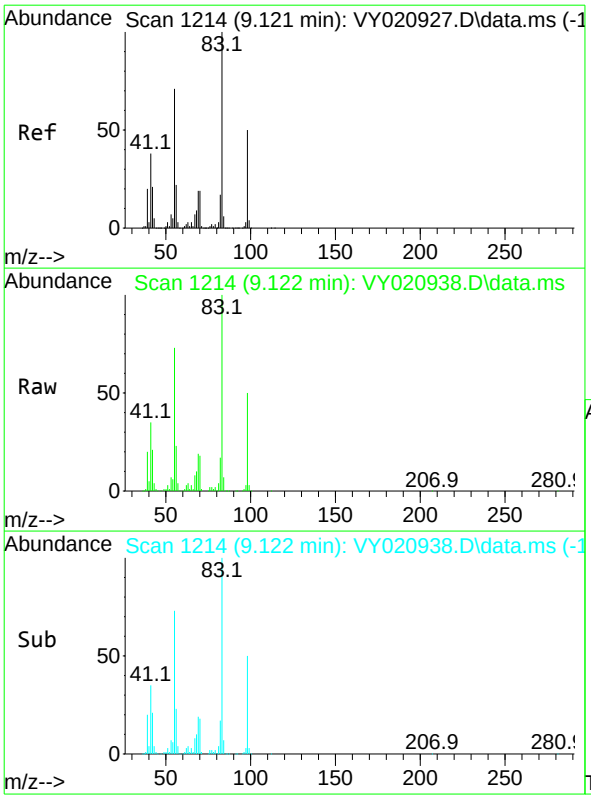


#38
Carbon Tetrachloride
Concen: 21.011 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:117 Resp: 85604

Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.5	114.7
121	31.6	25.0	37.4

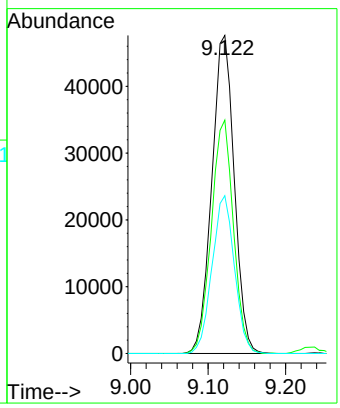




#39
Methylcyclohexane
Concen: 20.958 ug/l
RT: 9.122 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 83 Resp: 95857

Ion	Ratio	Lower	Upper
83	100		
55	73.4	57.0	85.4
98	49.6	40.1	60.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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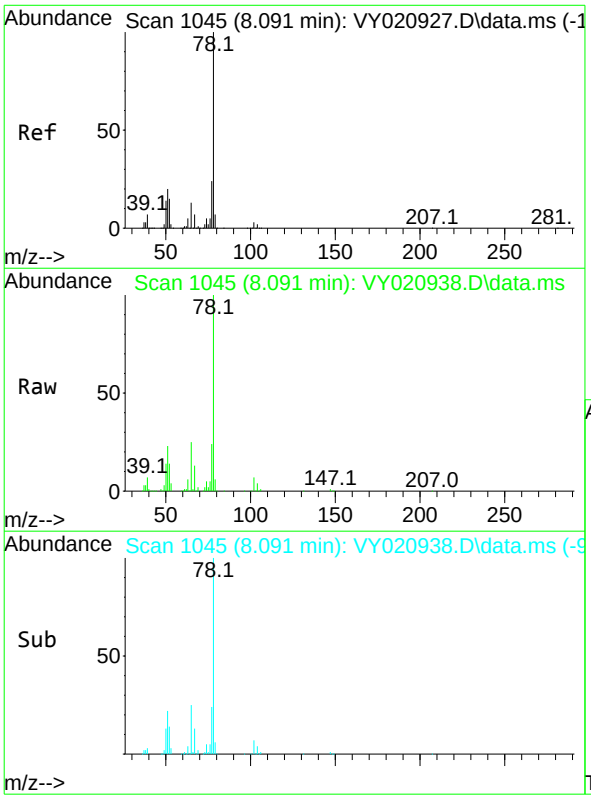
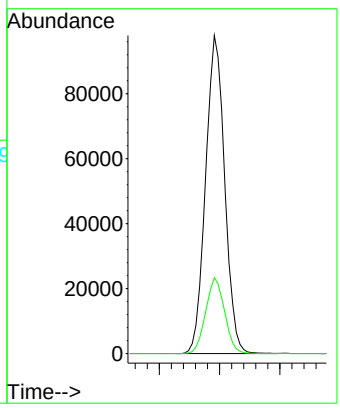
Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

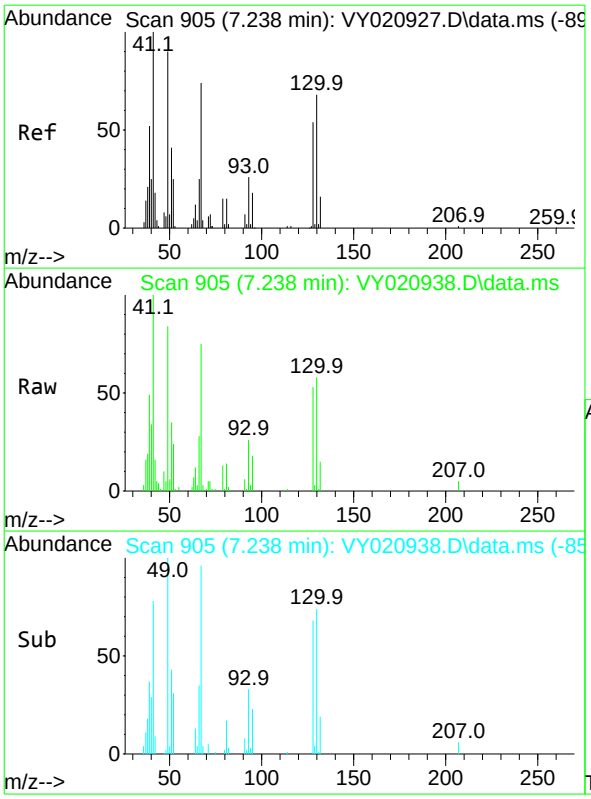


#40
Benzene
Concen: 21.736 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 78 Resp: 215434

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6

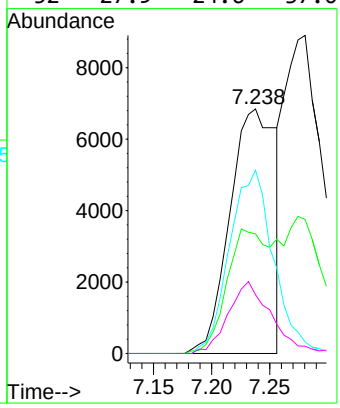




#41
Methacrylonitrile
Concen: 26.807 ug/l
RT: 7.238 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 41 Resp: 18562

Ion	Ratio	Lower	Upper
41	100		
39	45.7	46.4	69.6#
67	73.2	66.7	100.1
52	27.9	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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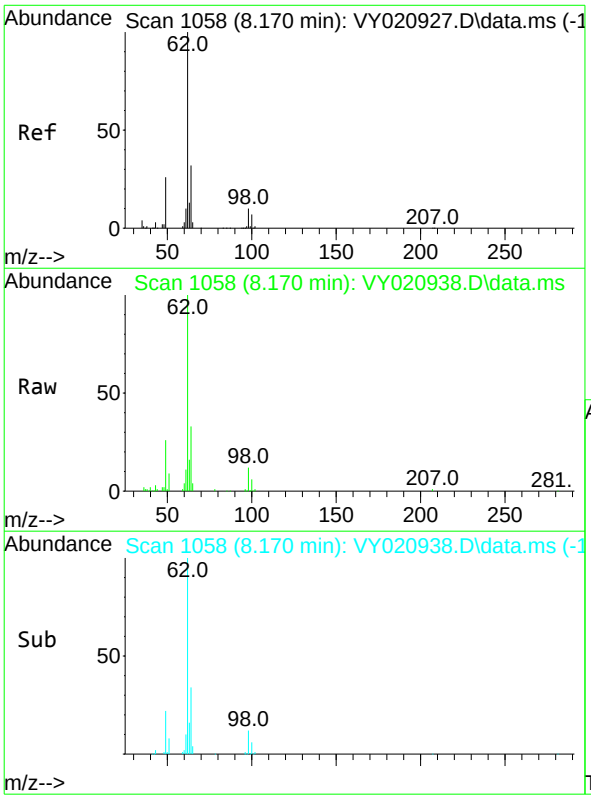
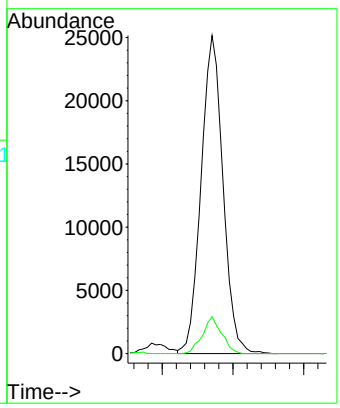
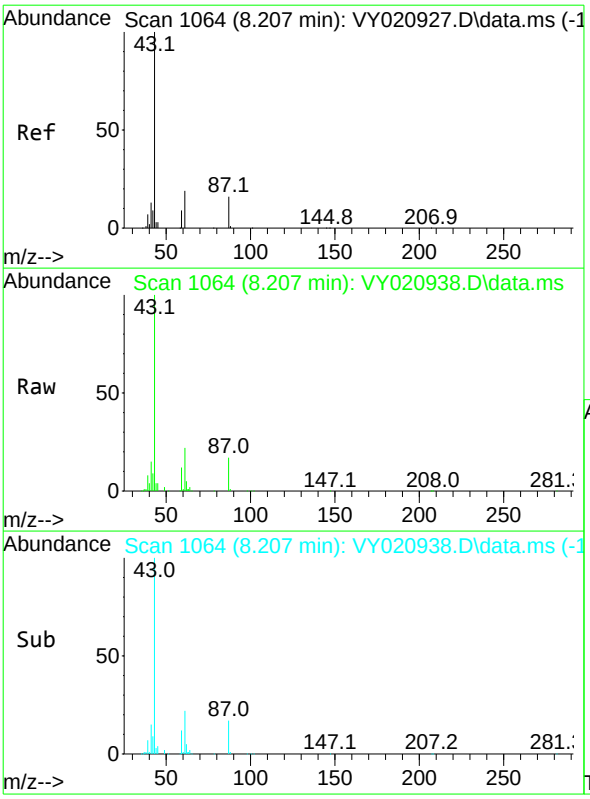


#42
1,2-Dichloroethane
Concen: 21.908 ug/l
RT: 8.170 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 62 Resp: 54032

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.8

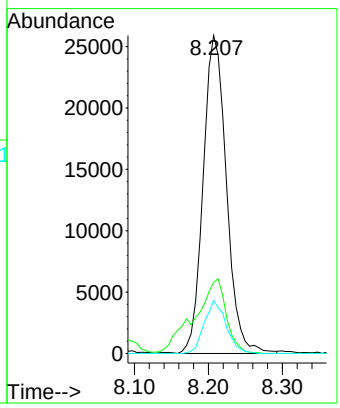




#43
Isopropyl Acetate
Concen: 22.812 ug/l
RT: 8.207 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 43 Resp: 56703

Ion	Ratio	Lower	Upper
43	100		
61	32.4	26.0	39.0
87	15.6	12.4	18.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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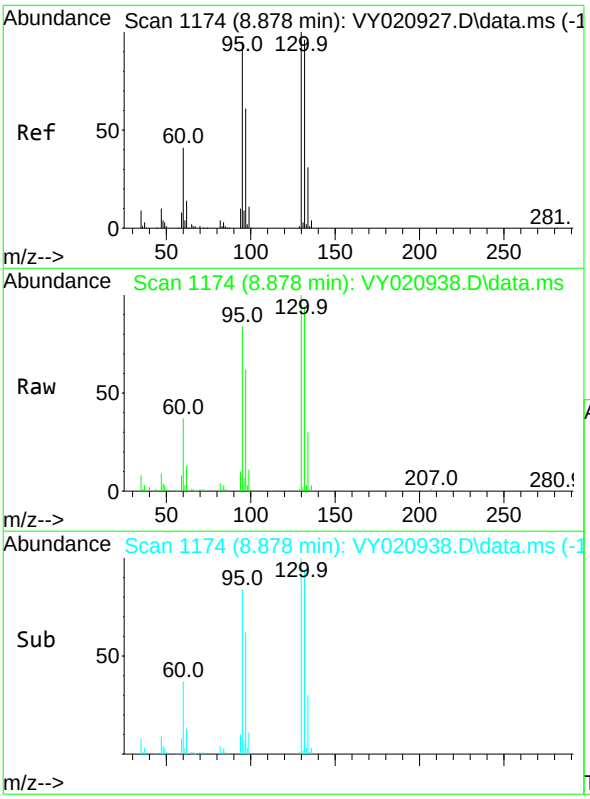
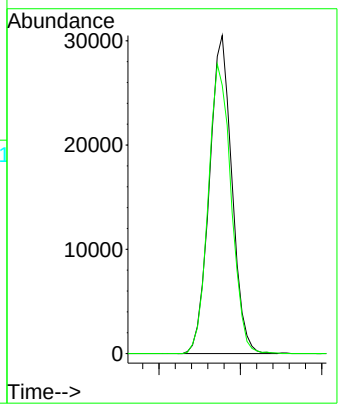
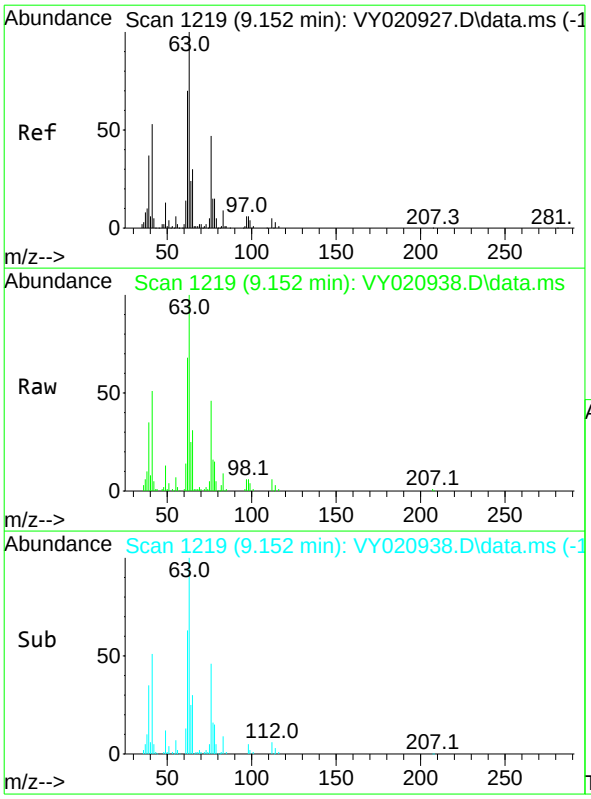


#44
Trichloroethene
Concen: 21.752 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:130 Resp: 58573

Ion	Ratio	Lower	Upper
130	100		
95	84.3	0.0	189.4

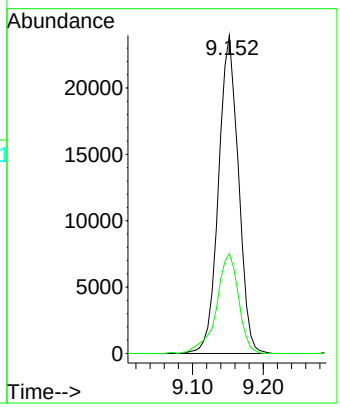




#45
1,2-Dichloropropane
Concen: 21.383 ug/l
RT: 9.152 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 63 Resp: 46784

Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.9	35.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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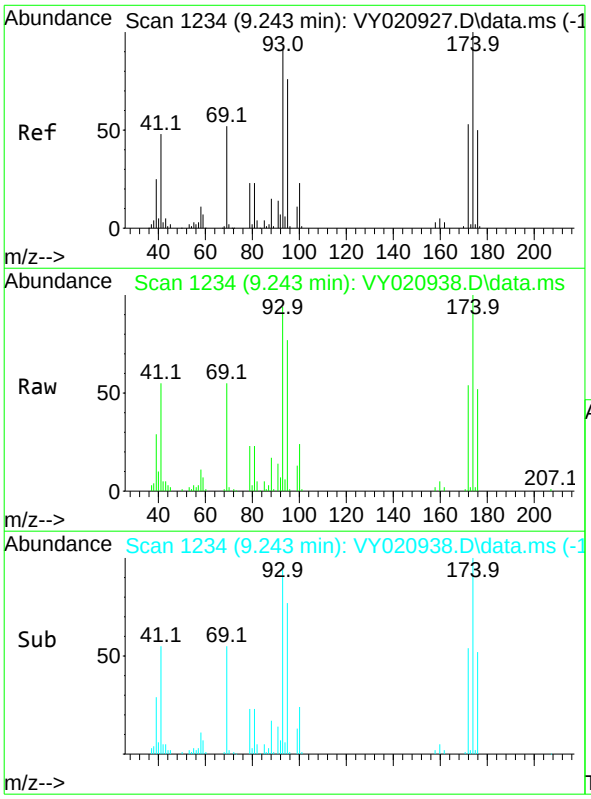
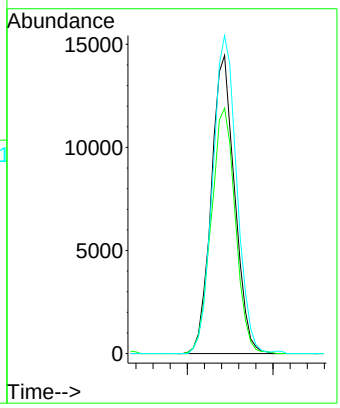
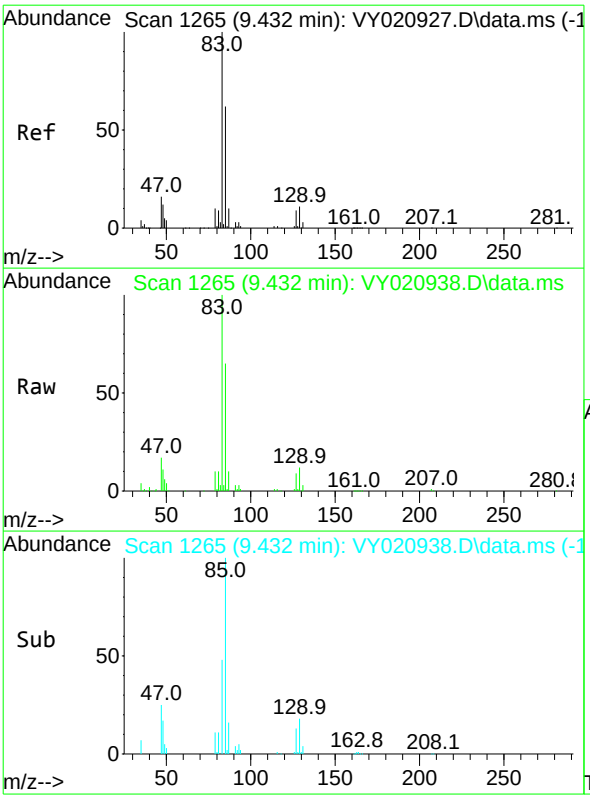


#46
Dibromomethane
Concen: 22.029 ug/l
RT: 9.243 min Scan# 1234
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 93 Resp: 27400

Ion	Ratio	Lower	Upper
93	100		
95	84.7	66.2	99.2
174	110.0	87.0	130.4

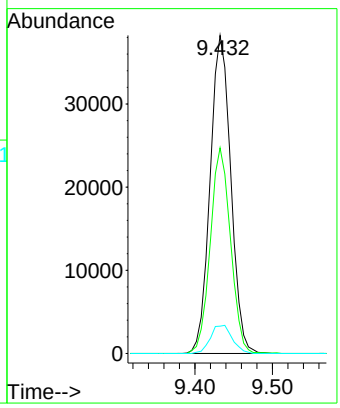




#47
Bromodichloromethane
Concen: 21.417 ug/l
RT: 9.432 min Scan# 12
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 83 Resp: 70879

Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.3	73.9
127	8.6	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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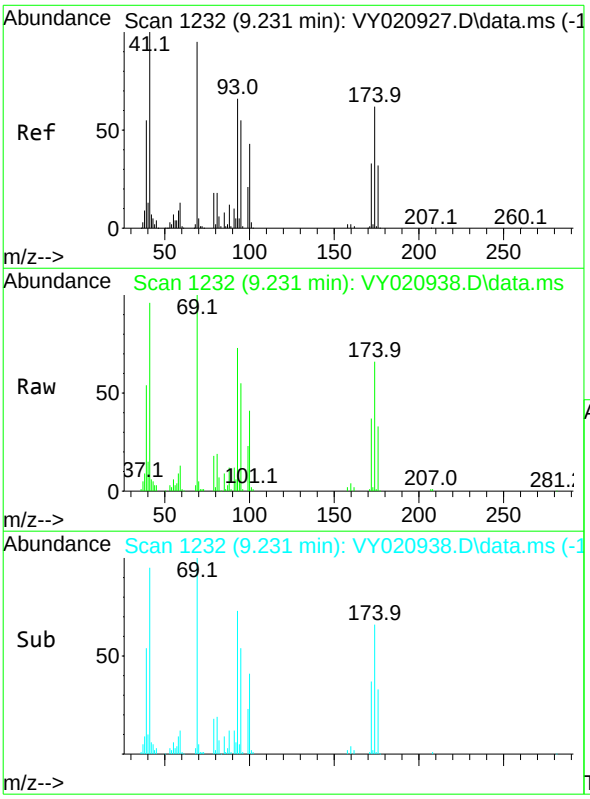
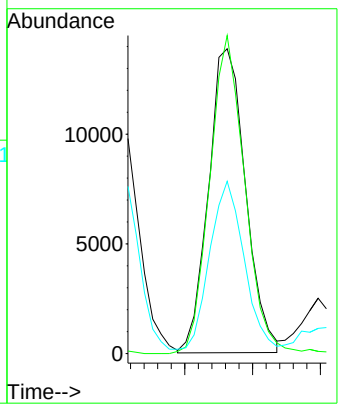
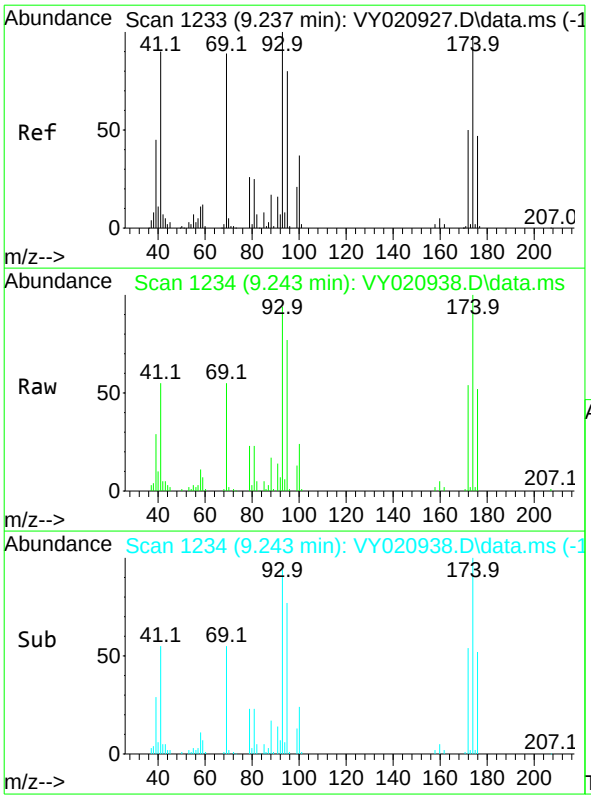


#48
Methyl methacrylate
Concen: 22.474 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 41 Resp: 26351

Ion	Ratio	Lower	Upper
41	100		
69	99.0	77.0	115.4
39	51.0	41.1	61.7





#49
1,4-Dioxane
Concen: 471.706 ug/l
RT: 9.243 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

Tgt Ion: 88 Resp: 6041

Ion	Ratio	Lower	Upper
88	100		
43	33.7	23.1	34.7
58	64.6	49.0	73.6

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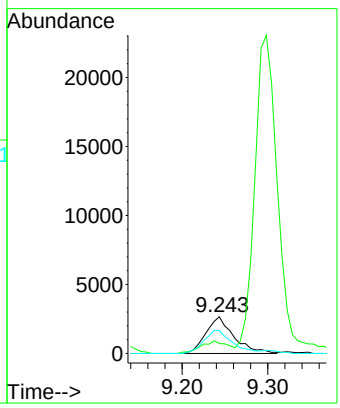
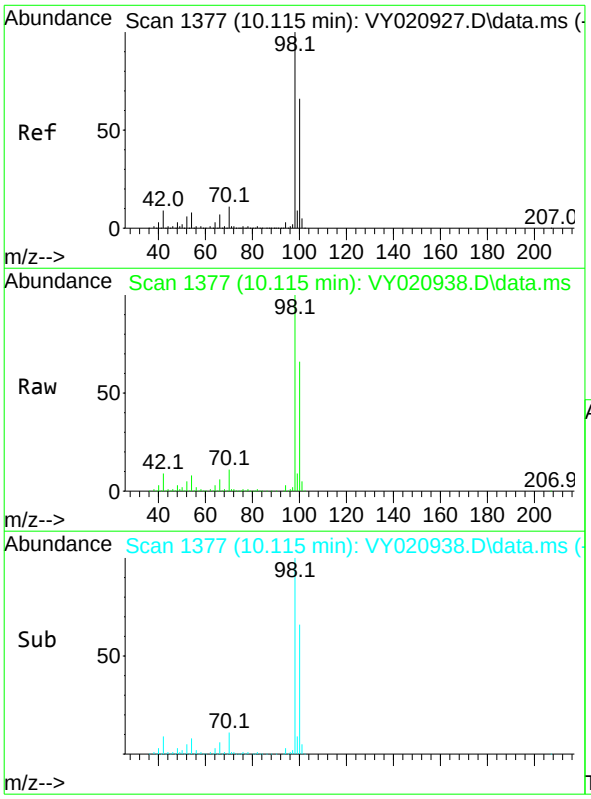
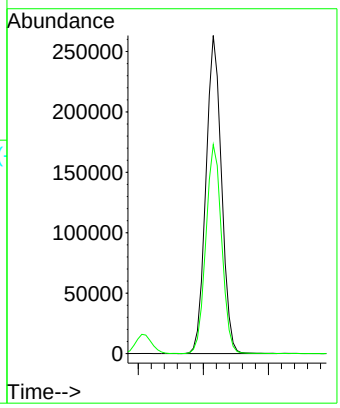


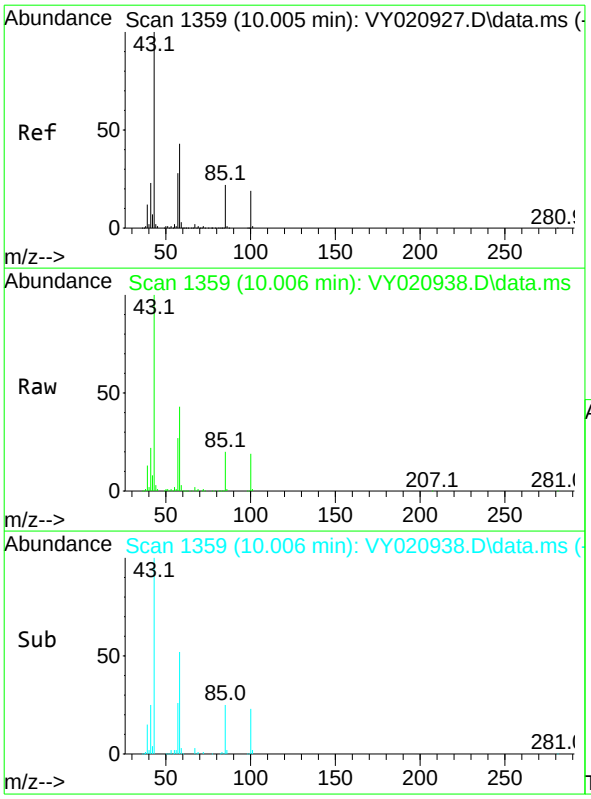


#50
Toluene-d8
Concen: 46.579 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 98 Resp: 437191

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.3	78.5

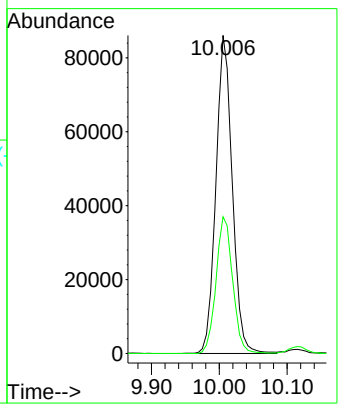




#51
4-Methyl-2-Pentanone
Concen: 115.278 ug/l
RT: 10.006 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 43 Resp: 144479

Ion	Ratio	Lower	Upper
43	100		
58	43.6	33.7	50.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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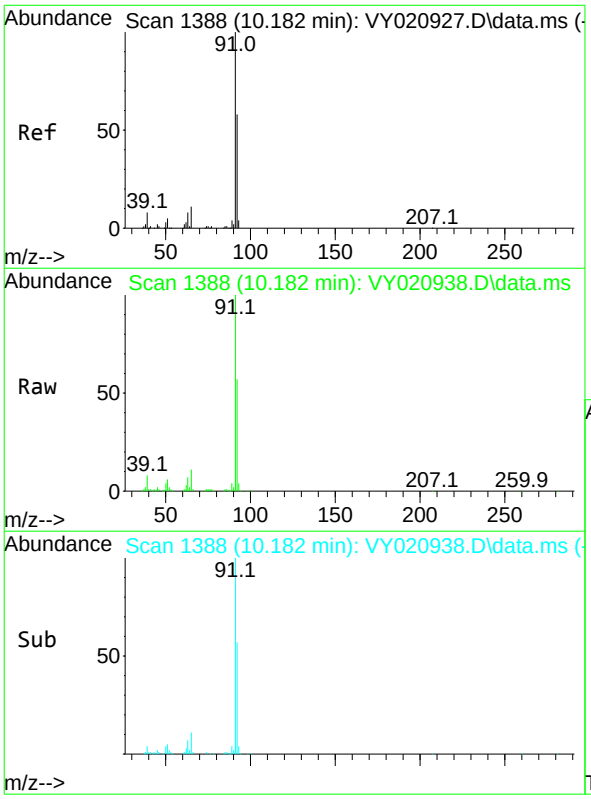
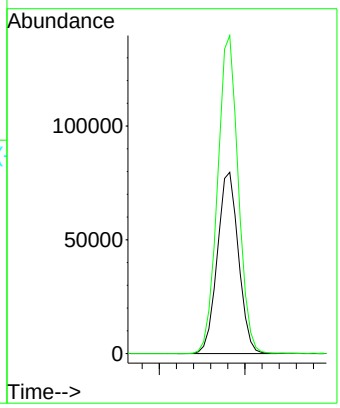
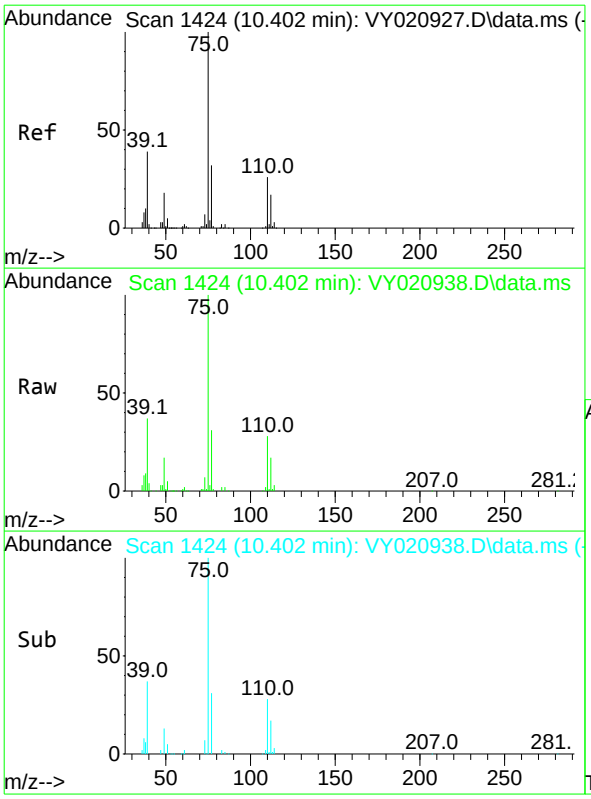


#52
Toluene
Concen: 21.426 ug/l
RT: 10.182 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 92 Resp: 136581

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.3	205.9





#53
t-1,3-Dichloropropene
Concen: 22.013 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 75 Resp: 66799

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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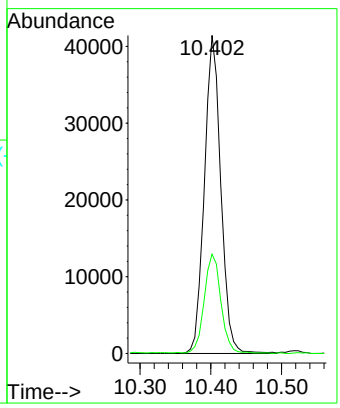
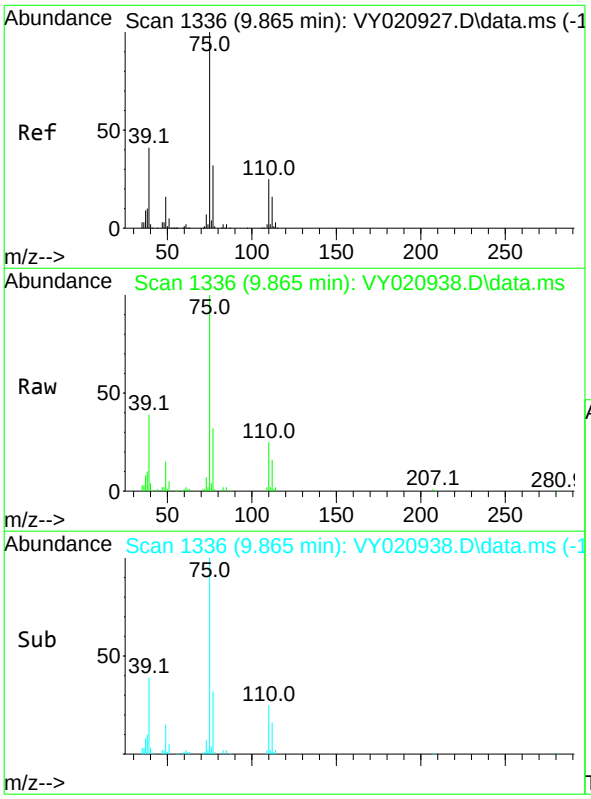
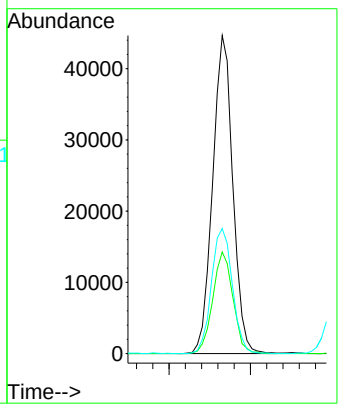


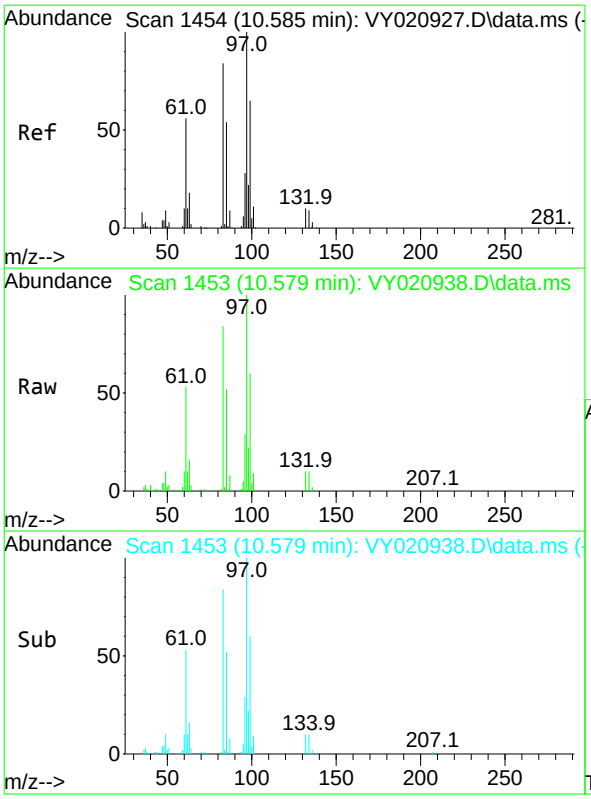


#54
cis-1,3-Dichloropropene
Concen: 21.175 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 75 Resp: 76726

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.7	38.5
39	39.3	32.8	49.2

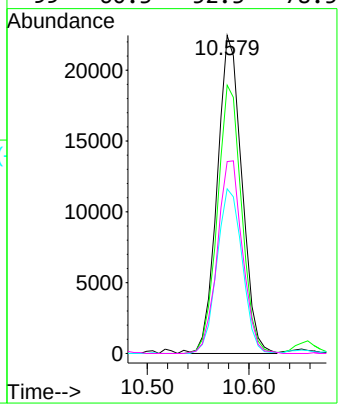




#55
1,1,2-Trichloroethane
Concen: 22.493 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 97 Resp: 37817

Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.0	100.6
85	51.8	43.1	64.7
99	60.3	52.3	78.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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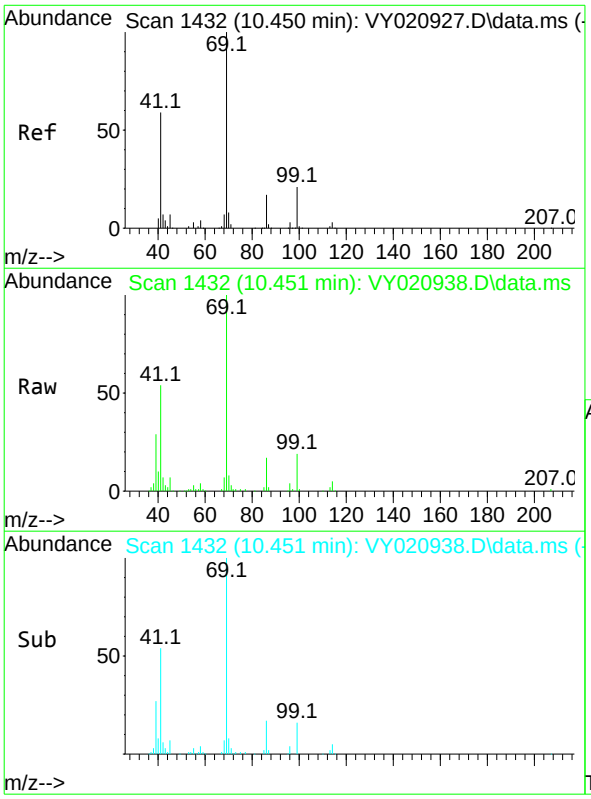
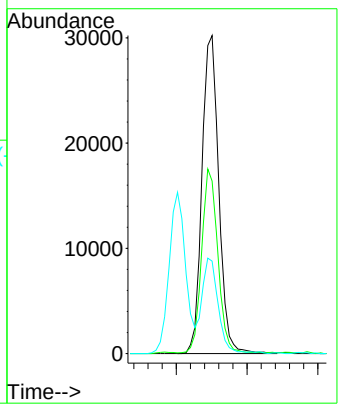
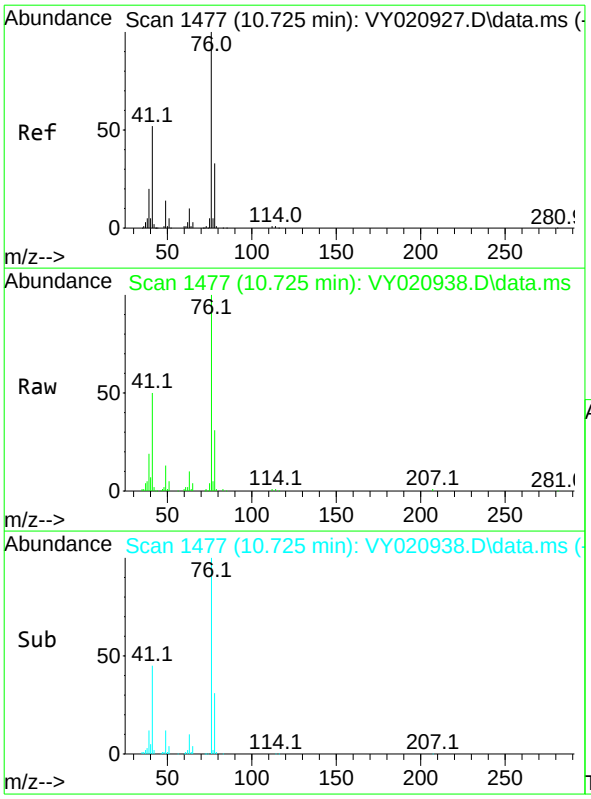


#56
Ethyl methacrylate
Concen: 22.660 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 69 Resp: 49929

Ion	Ratio	Lower	Upper
69	100		
41	55.5	46.6	70.0
39	28.1	23.9	35.9





#57
1,3-Dichloropropane
Concen: 22.070 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 76 Resp: 63035

Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.2	39.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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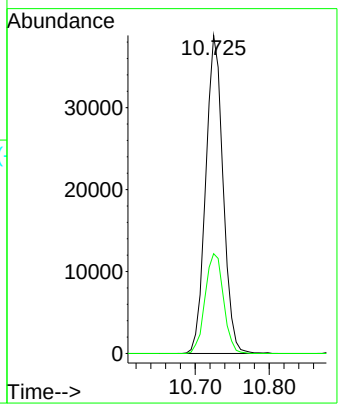
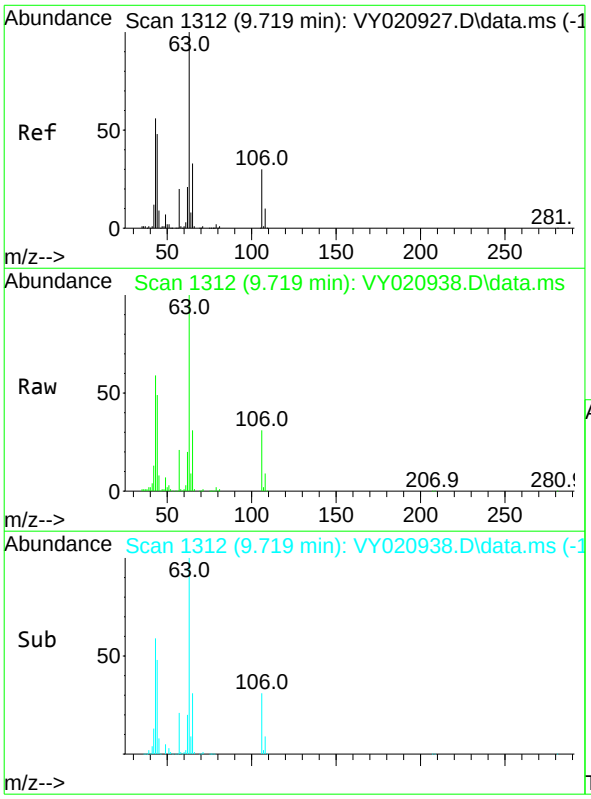
Supervised By :Semsettin Yesilyurt 01/28/2025

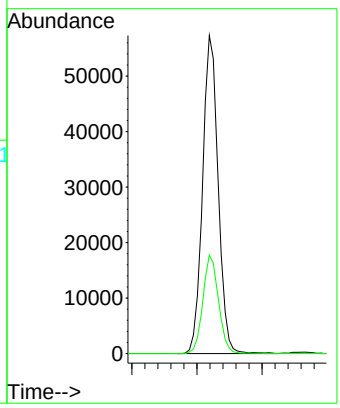


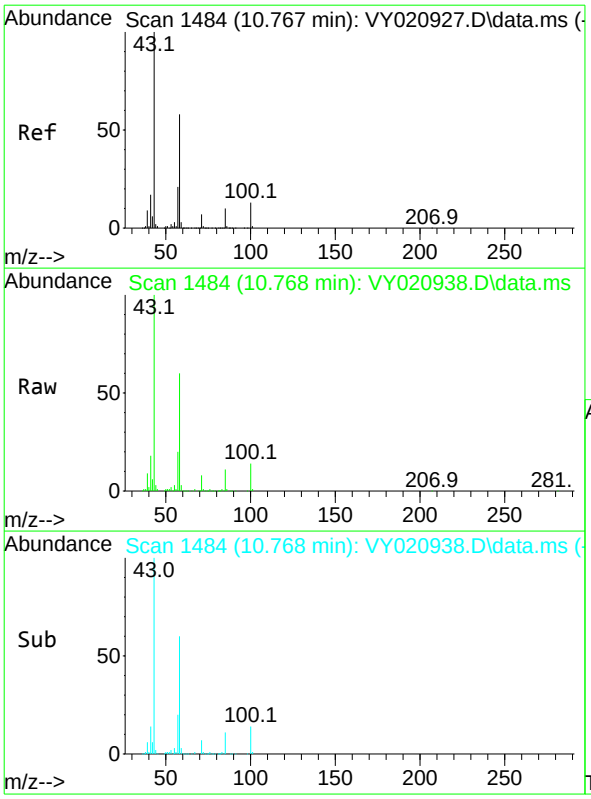


#58
2-Chloroethyl Vinyl ether
Concen: 95.282 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 63 Resp: 95288

Ion	Ratio	Lower	Upper
63	100		
106	31.0	24.7	37.1

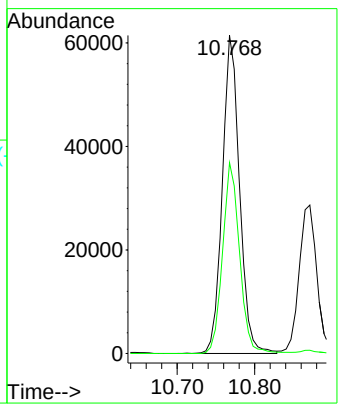




#59
2-Hexanone
Concen: 117.476 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 43 Resp: 94676

Ion	Ratio	Lower	Upper
43	100		
58	59.4	29.9	89.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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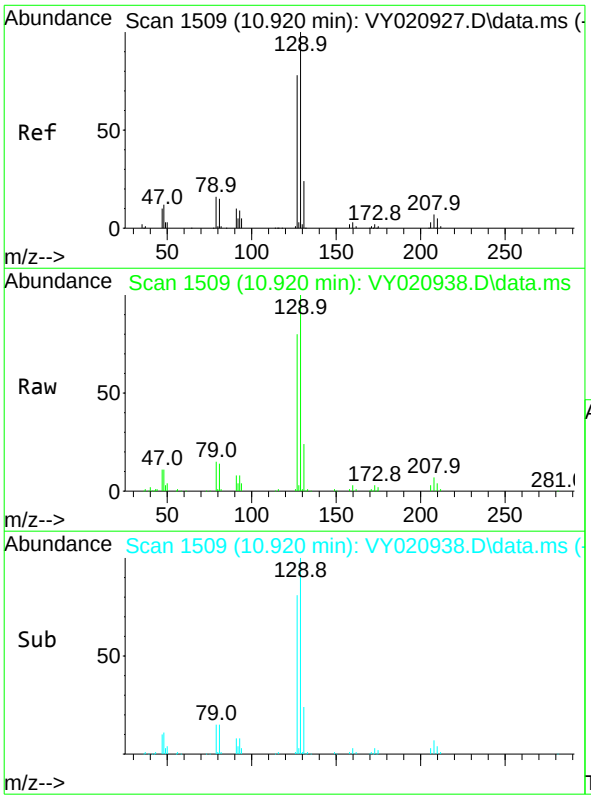
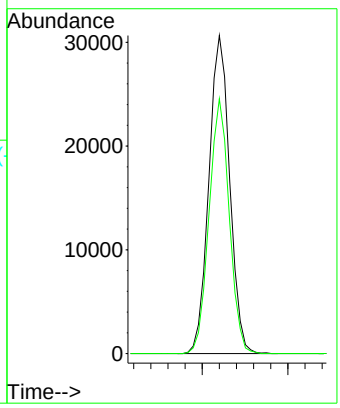
Supervised By :Semsettin Yesilyurt 01/28/2025

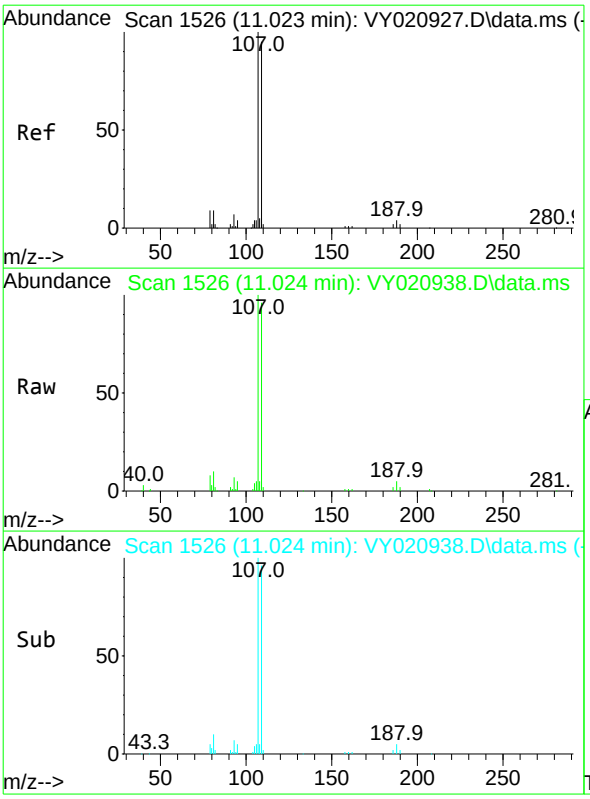


#60
Dibromochloromethane
Concen: 21.861 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:129 Resp: 51729

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.2	117.6

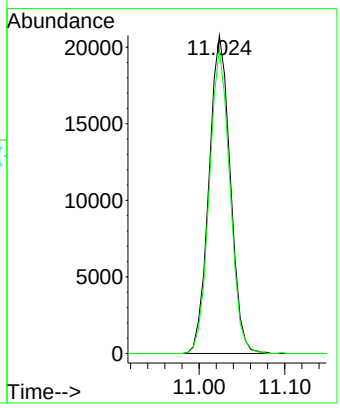




#61
1,2-Dibromoethane
Concen: 22.319 ug/l
RT: 11.024 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:107 Resp: 35891

Ion	Ratio	Lower	Upper
107	100		
109	92.3	76.3	114.5



Instrument :
MSVOA_Y
ClientSampleId :
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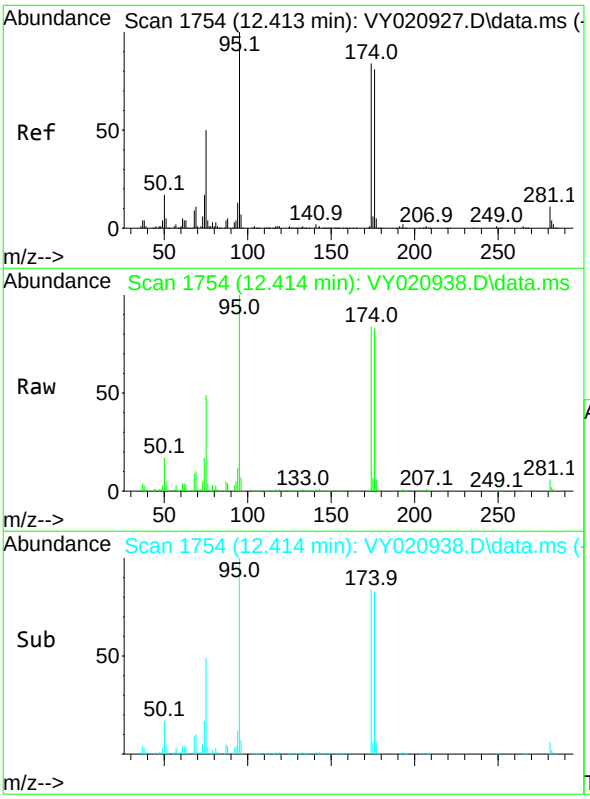
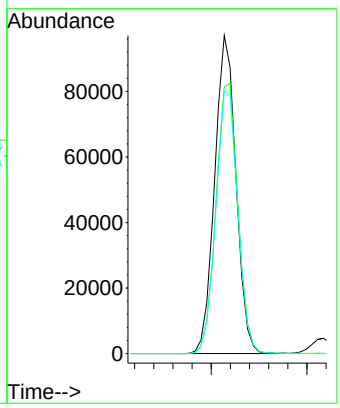
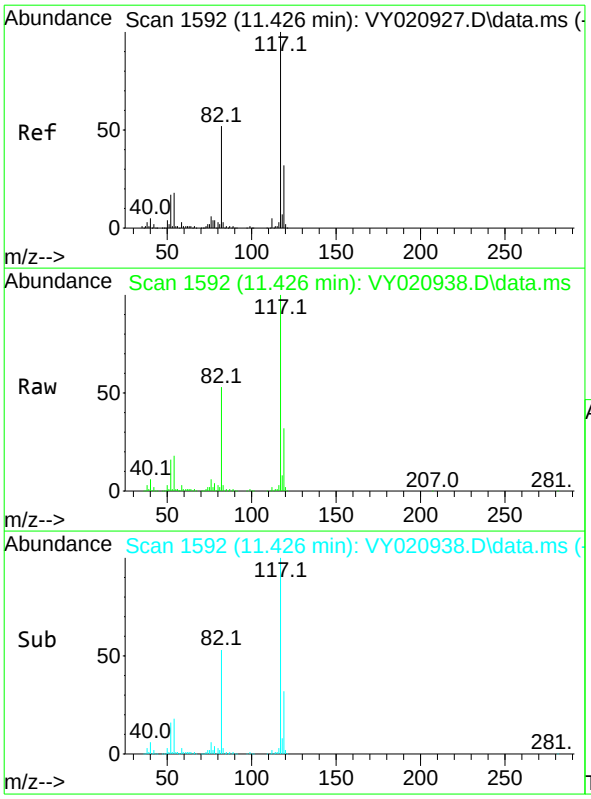


#62
4-Bromofluorobenzene
Concen: 47.919 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 95 Resp: 149686

Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	177.4
176	85.3	0.0	172.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:117 Resp: 350671

Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.8	62.8
119	31.8	26.0	39.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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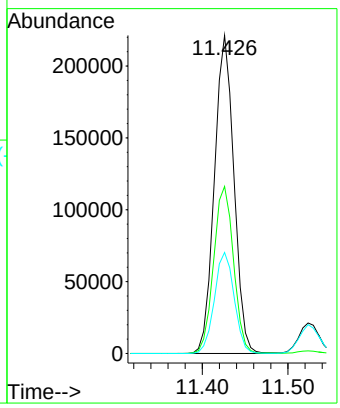
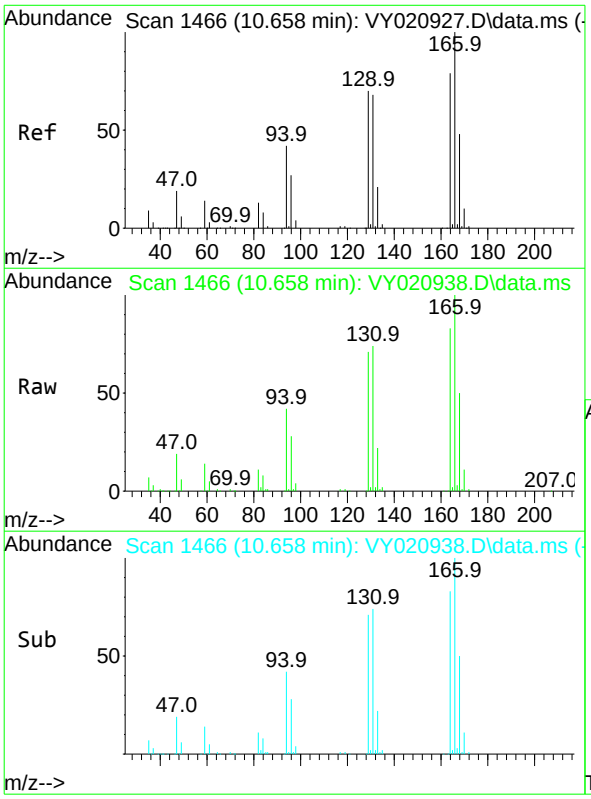
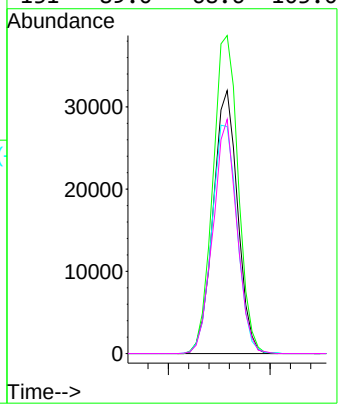


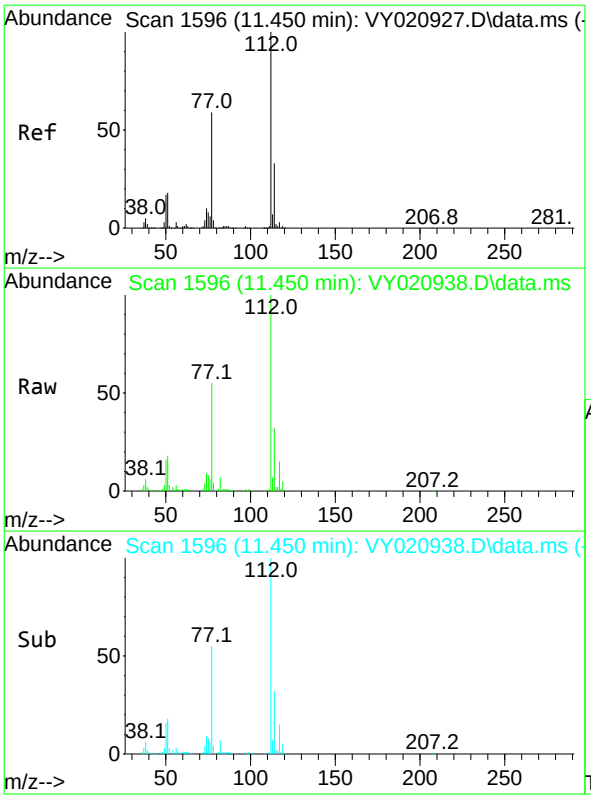


#64
Tetrachloroethene
Concen: 21.848 ug/l
RT: 10.658 min Scan# 1466
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:164 Resp: 53316

Ion	Ratio	Lower	Upper
164	100		
166	120.9	101.0	151.6
129	86.3	70.8	106.2
131	89.0	68.6	103.0

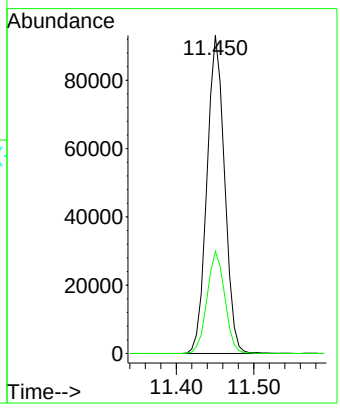




#65
Chlorobenzene
Concen: 21.477 ug/l
RT: 11.450 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:112 Resp: 147278

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
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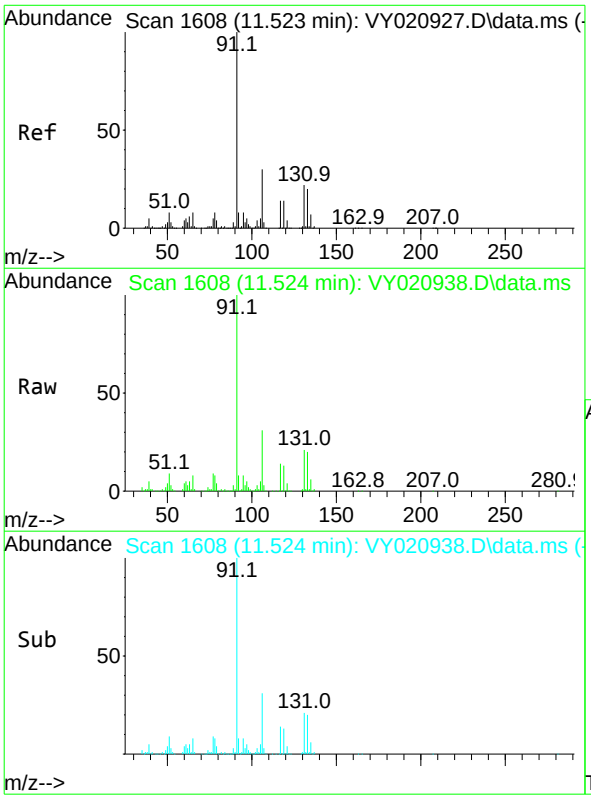
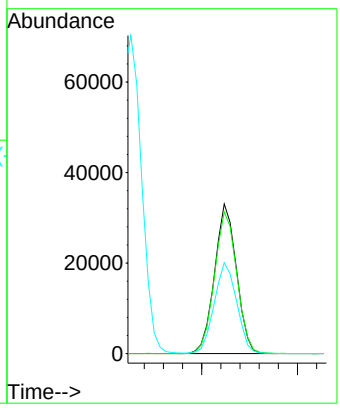
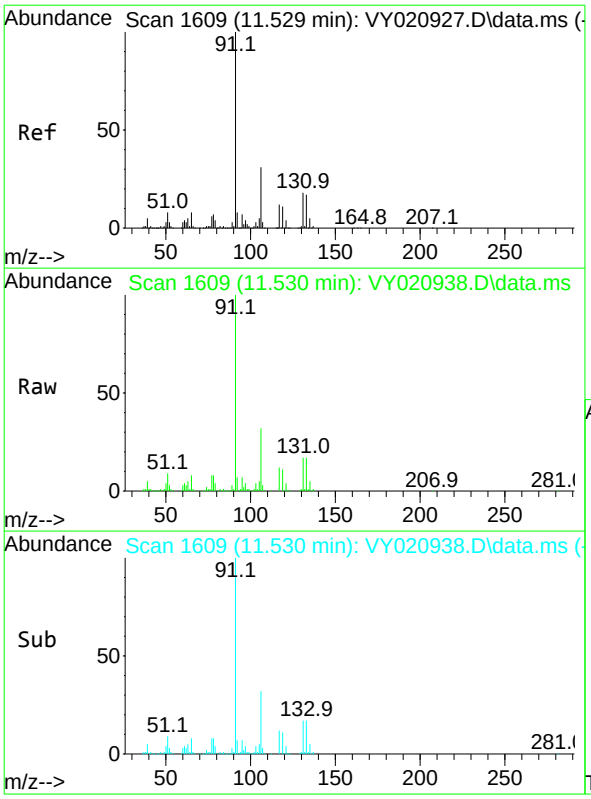


#66
1,1,1,2-Tetrachloroethane
Concen: 21.560 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:131 Resp: 52538

Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.5	142.6
119	62.6	31.2	93.6

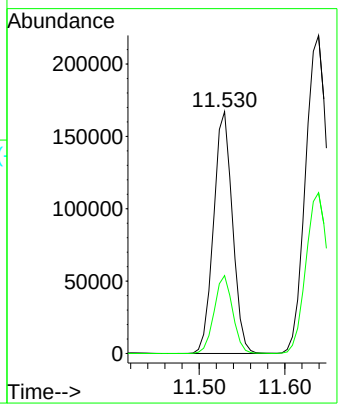




#67
Ethyl Benzene
Concen: 21.393 ug/l
RT: 11.530 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 91 Resp: 255989

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.2	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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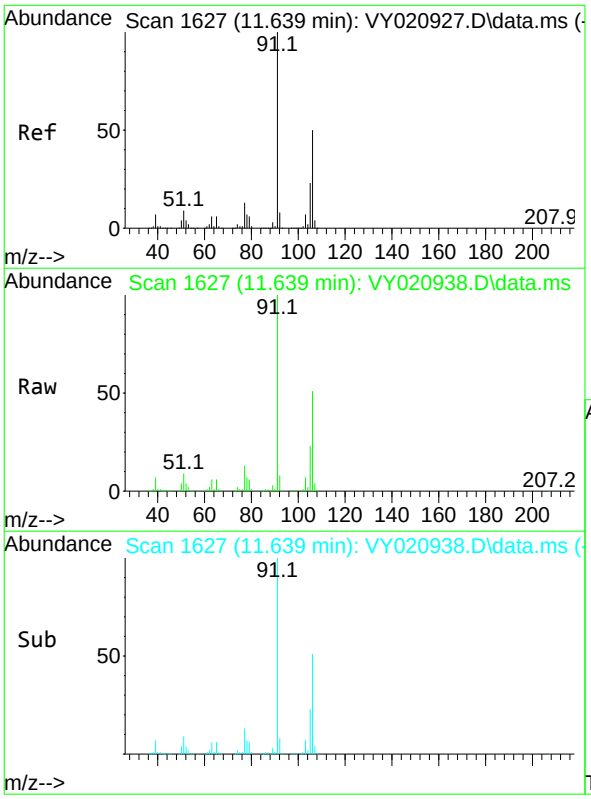
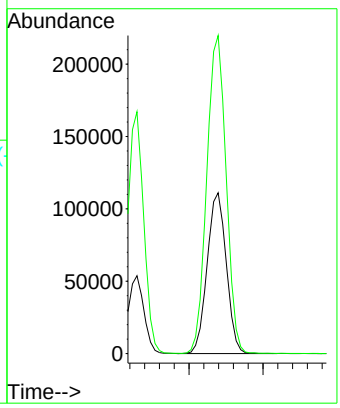
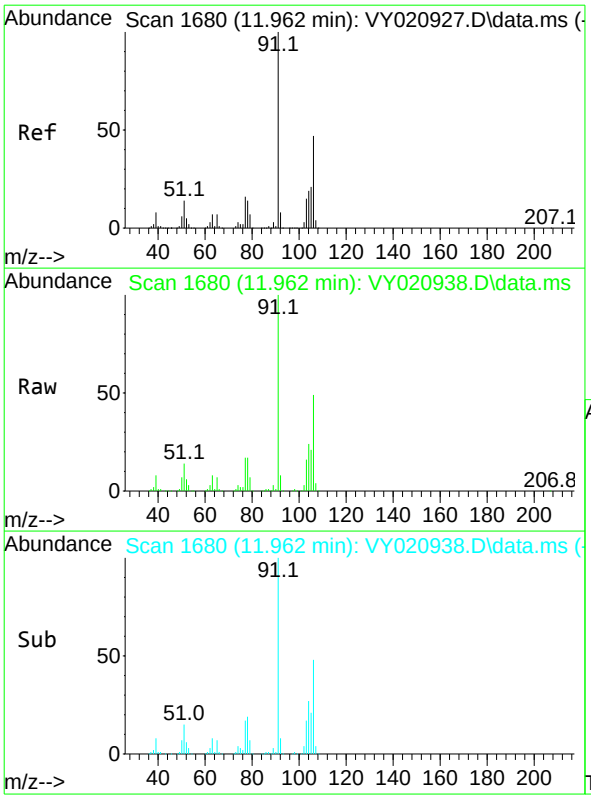


#68
m/p-Xylenes
Concen: 43.562 ug/l
RT: 11.639 min Scan# 1627
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:106 Resp: 199594

Ion	Ratio	Lower	Upper
106	100		
91	199.6	159.5	239.3

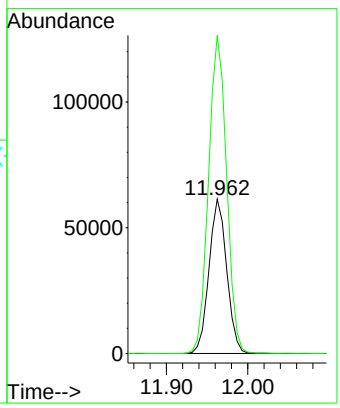




#69
o-Xylene
Concen: 21.692 ug/l
RT: 11.962 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:106 Resp: 92840

Ion	Ratio	Lower	Upper
106	100		
91	209.7	105.3	315.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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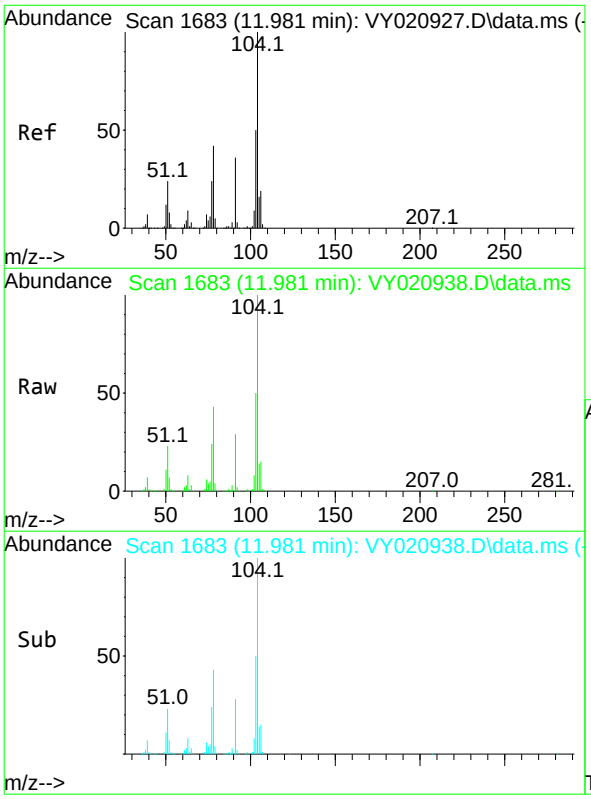
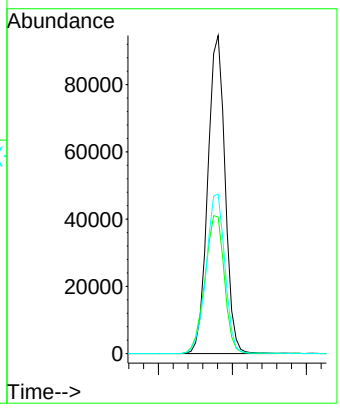
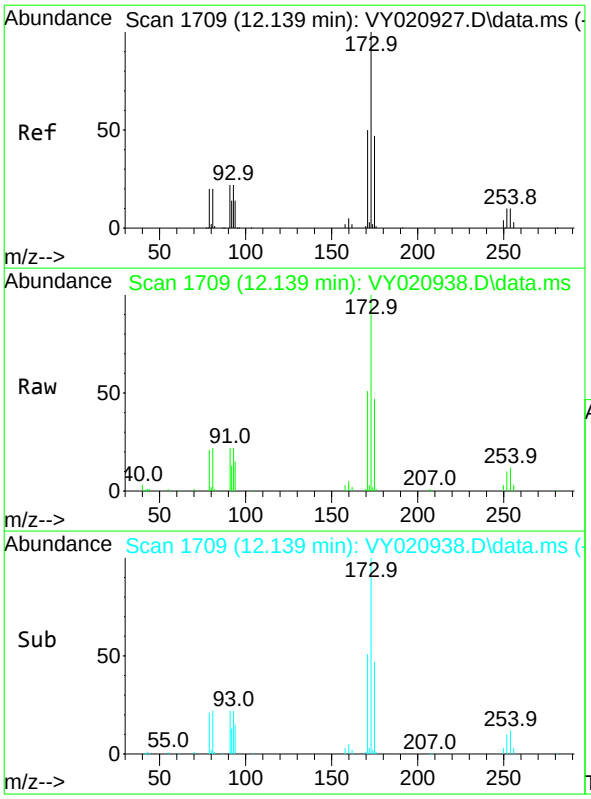


#70
Styrene
Concen: 21.905 ug/l
RT: 11.981 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:104 Resp: 153642

Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.5	57.7
103	54.4	43.4	65.2





#71
Bromoform
Concen: 22.534 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:173 Resp: 31094

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	73.0
254	0.0	0.1	0.1#

Instrument :
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ClientSampleId :
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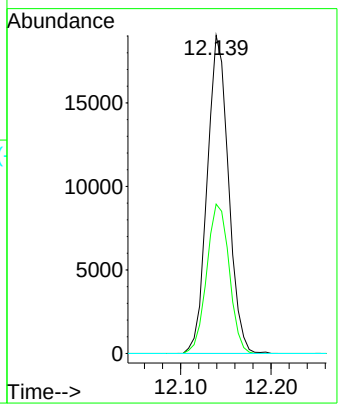
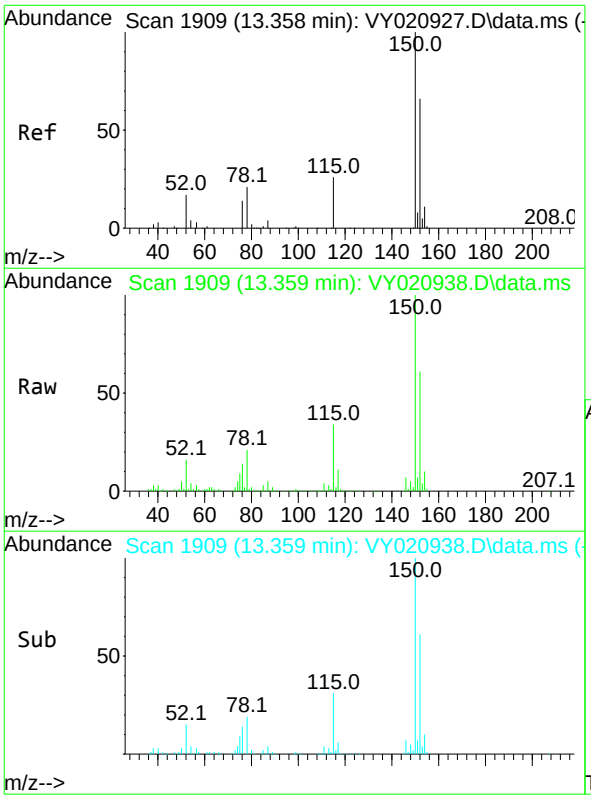
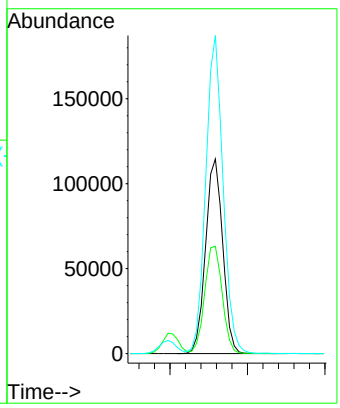


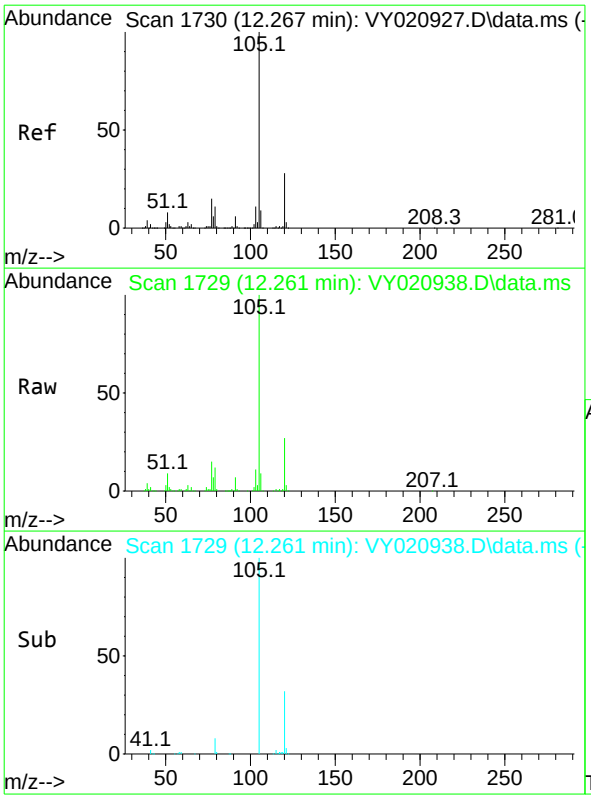


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:152 Resp: 176333

Ion	Ratio	Lower	Upper
152	100		
115	56.5	29.0	87.0
150	164.7	0.0	347.6





#73
Isopropylbenzene
Concen: 20.498 ug/l
RT: 12.261 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:105 Resp: 248935

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

Manual Integrations
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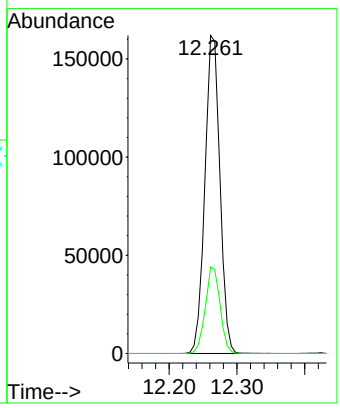
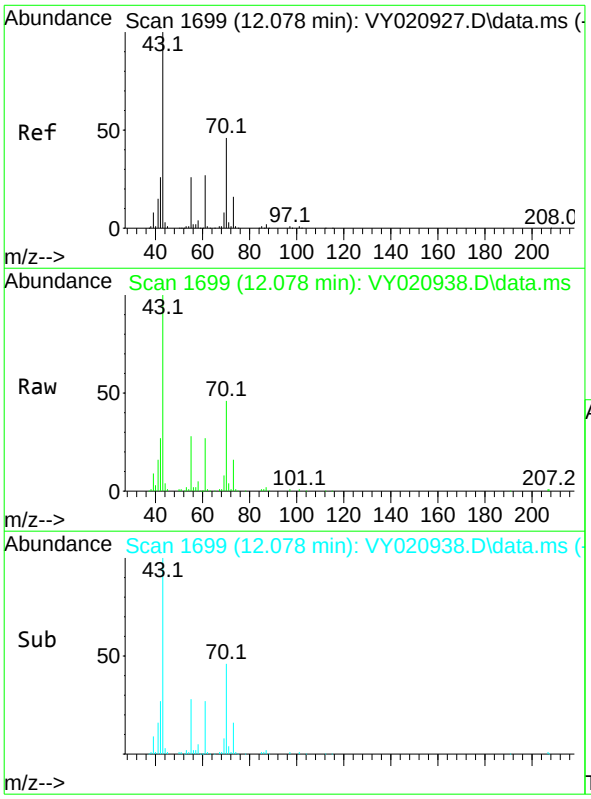
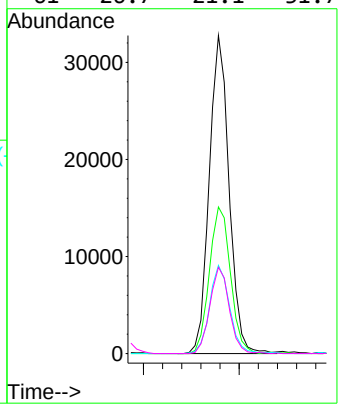


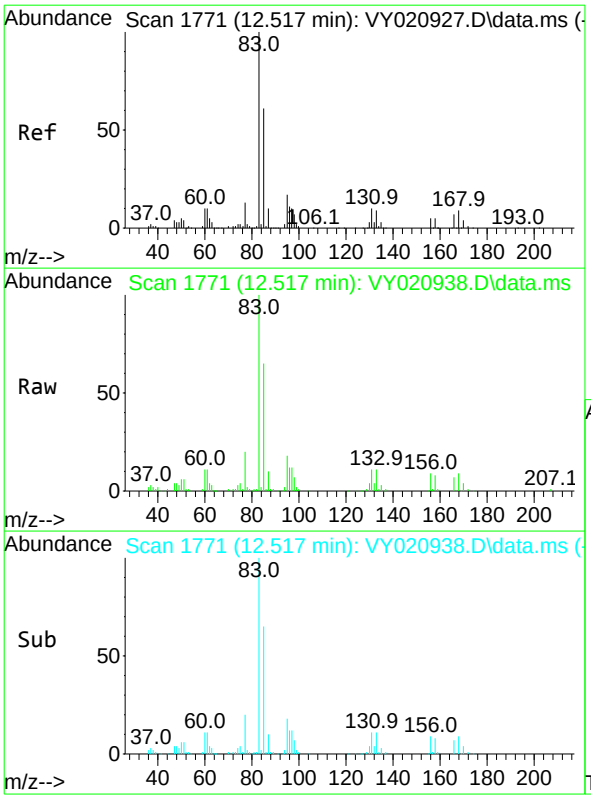


#74
N-amyl acetate
Concen: 21.809 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 43 Resp: 47129

Ion	Ratio	Lower	Upper
43	100		
70	49.0	38.7	58.1
55	28.3	21.6	32.4
61	26.7	21.1	31.7

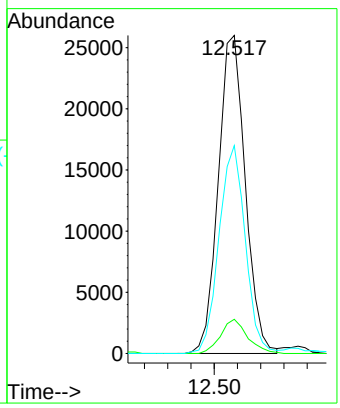




#75
1,1,2,2-Tetrachloroethane
Concen: 22.193 ug/l
RT: 12.517 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 83 Resp: 41935

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.7
85	63.5	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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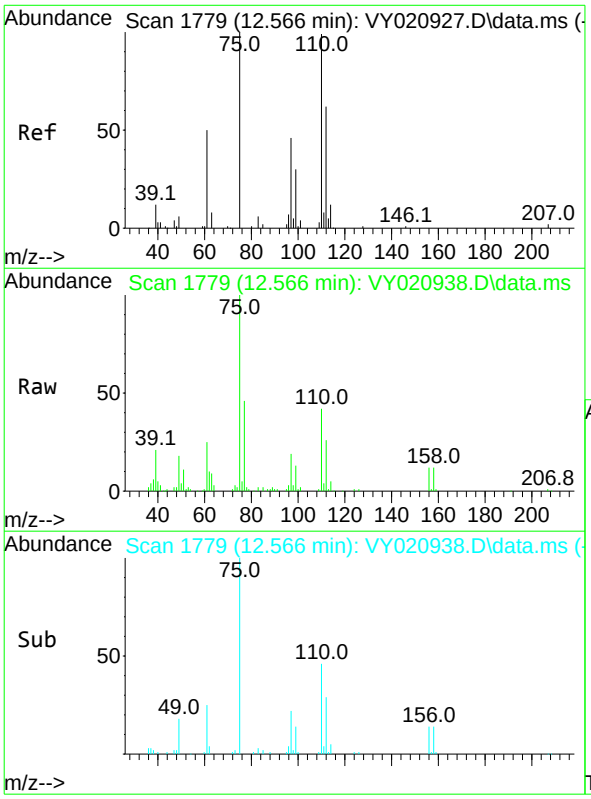
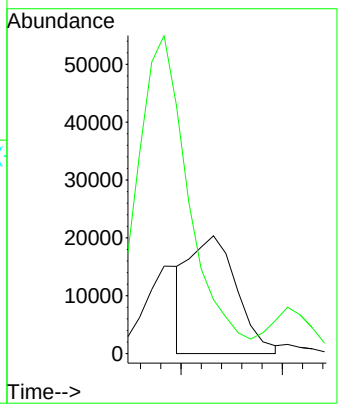
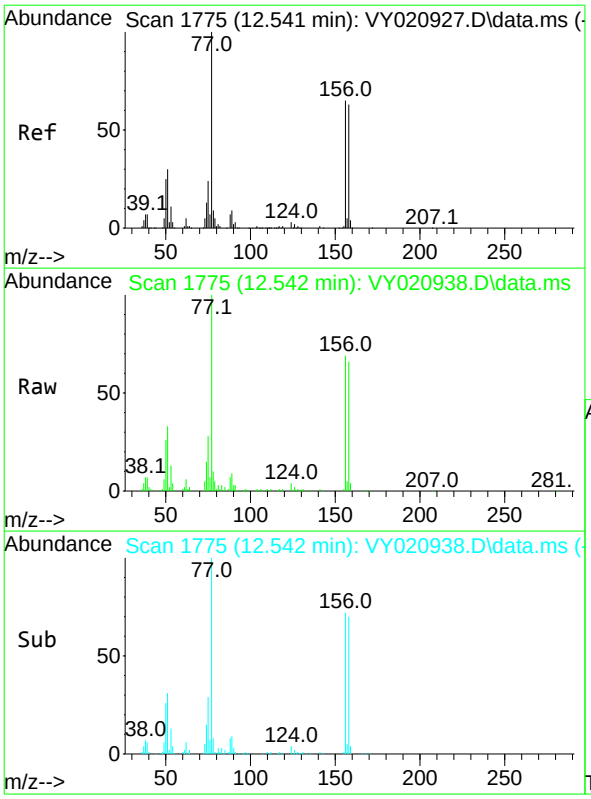


#76
1,2,3-Trichloropropane
Concen: 26.785 ug/l m
RT: 12.566 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 75 Resp: 33394

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

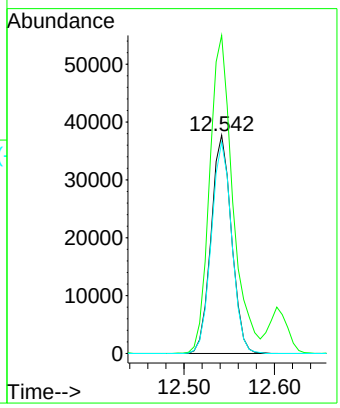




#77
Bromobenzene
Concen: 20.815 ug/l
RT: 12.542 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:156 Resp: 59254

Ion	Ratio	Lower	Upper
156	100		
77	165.2	84.4	253.1
158	96.7	48.9	146.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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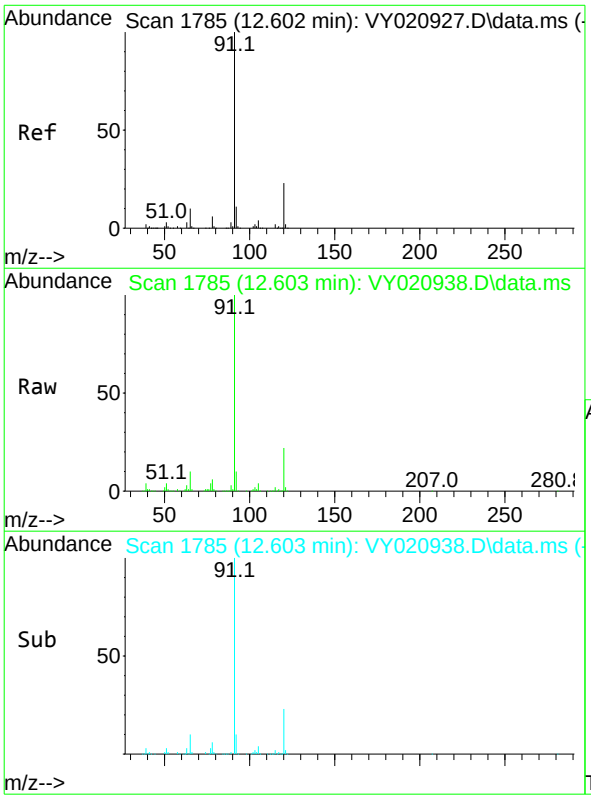
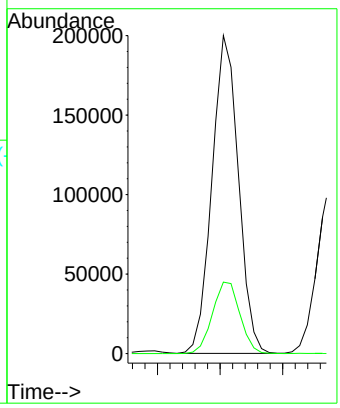
Supervised By :Semsettin Yesilyurt 01/28/2025

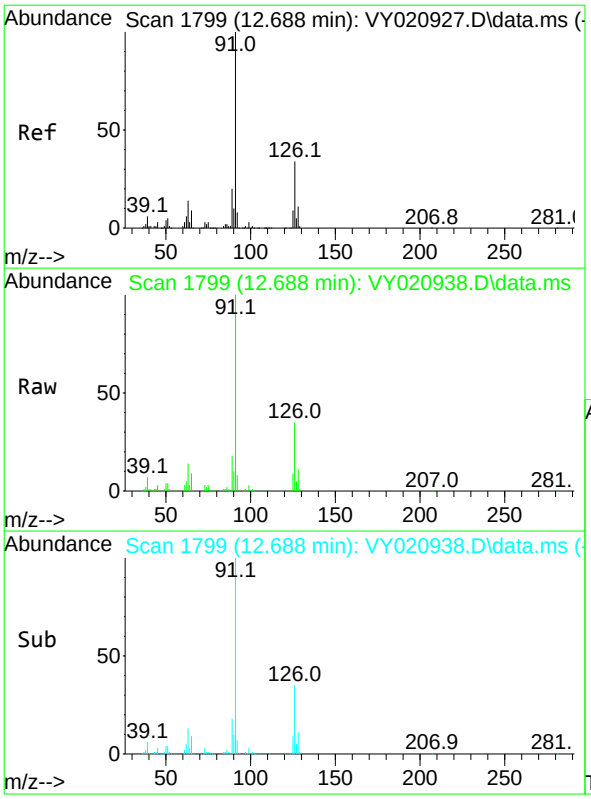


#78
n-propylbenzene
Concen: 20.762 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 91 Resp: 293711

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.8	35.4

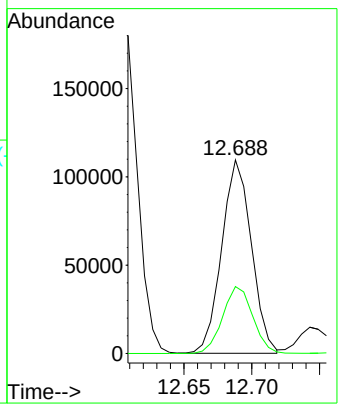




#79
2-Chlorotoluene
Concen: 20.764 ug/l
RT: 12.688 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 91 Resp: 166593

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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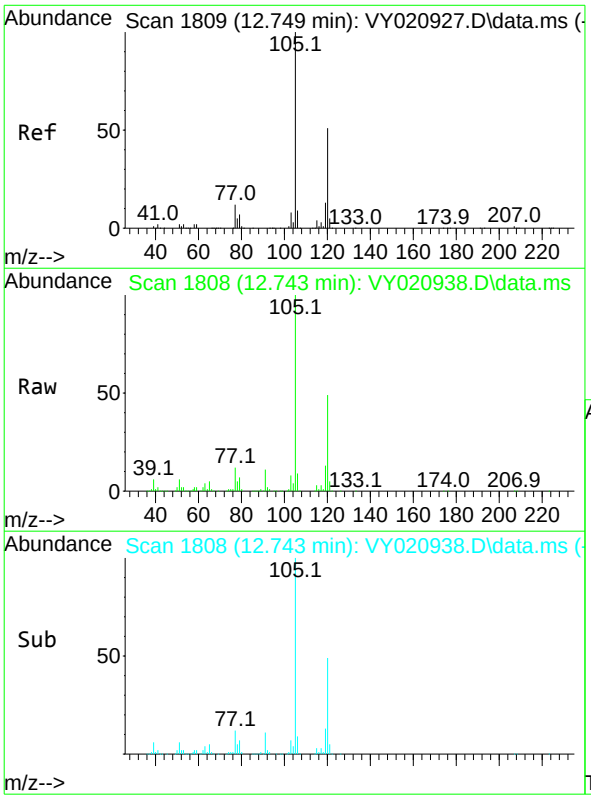
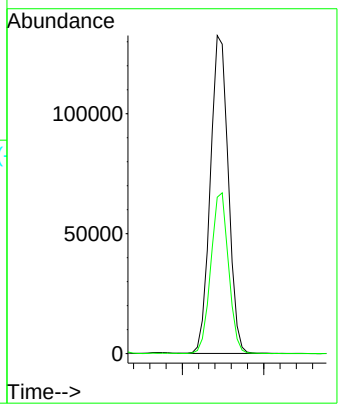
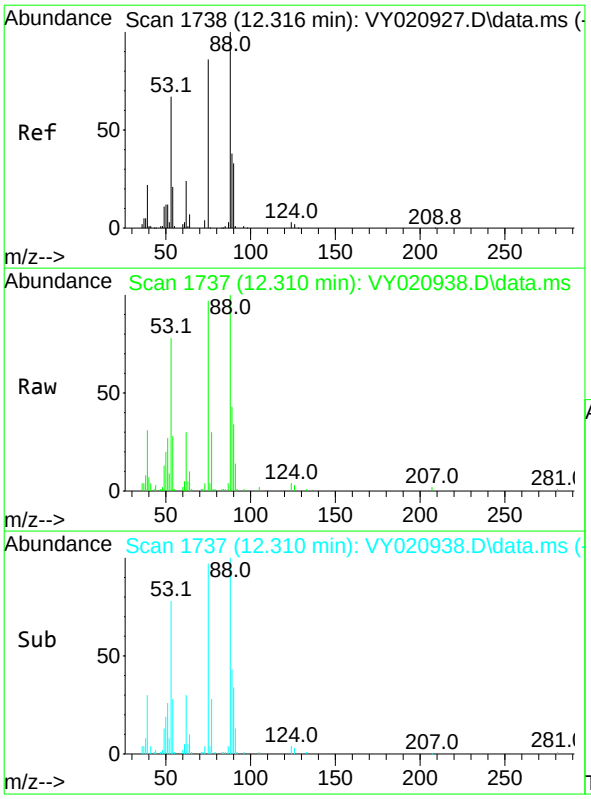


#80
1,3,5-Trimethylbenzene
Concen: 20.777 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:105 Resp: 202745

Ion	Ratio	Lower	Upper
105	100		
120	49.9	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 22.688 ug/l
RT: 12.310 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 75 Resp: 14641

Ion	Ratio	Lower	Upper
75	100		
53	88.5	67.7	101.5
89	45.5	38.4	57.6

Instrument :
MSVOA_Y
ClientSampleId :
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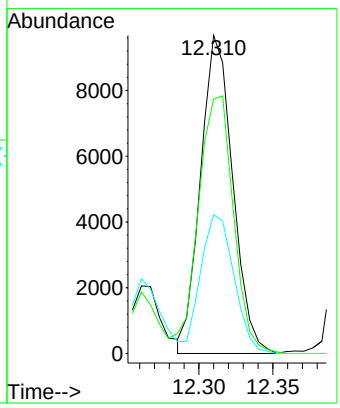
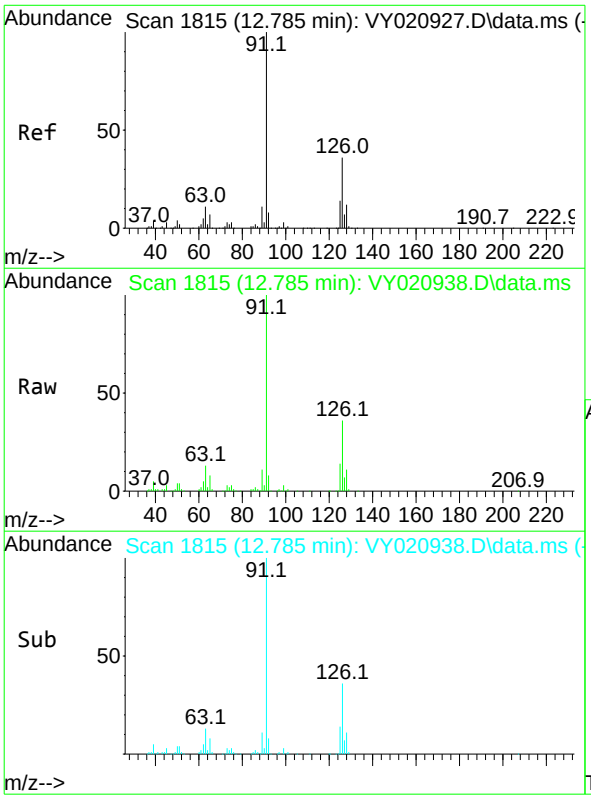
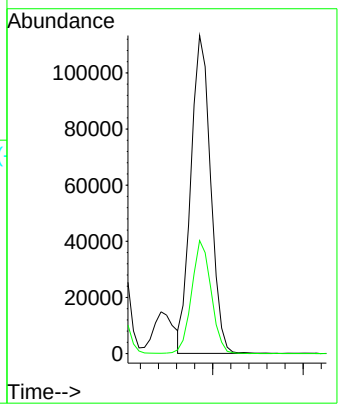


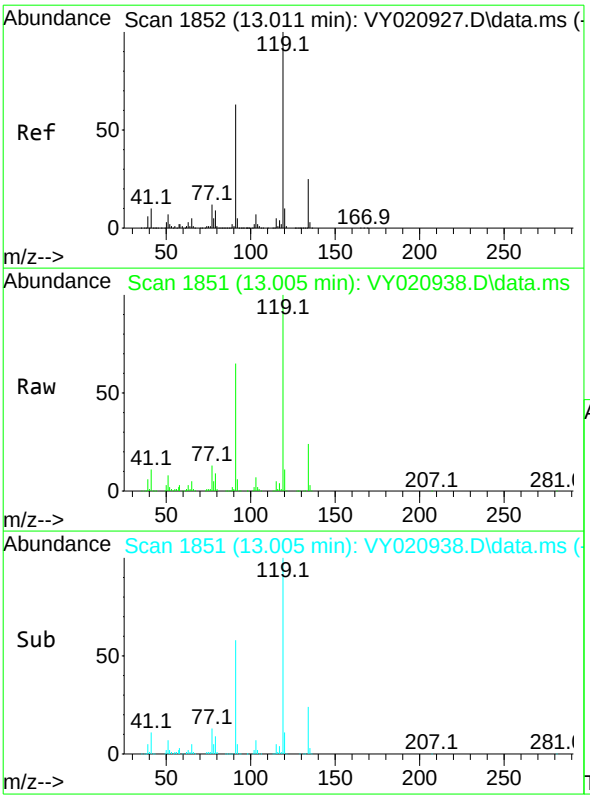


#82
4-Chlorotoluene
Concen: 20.923 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 91 Resp: 171424

Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.3





#83
tert-Butylbenzene
Concen: 20.371 ug/l
RT: 13.005 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:119 Resp: 183352

Ion	Ratio	Lower	Upper
119	100		
91	63.4	30.9	92.8
134	27.0	13.1	39.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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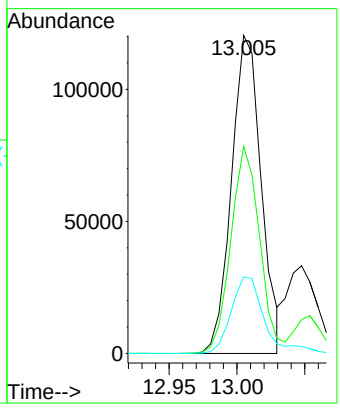
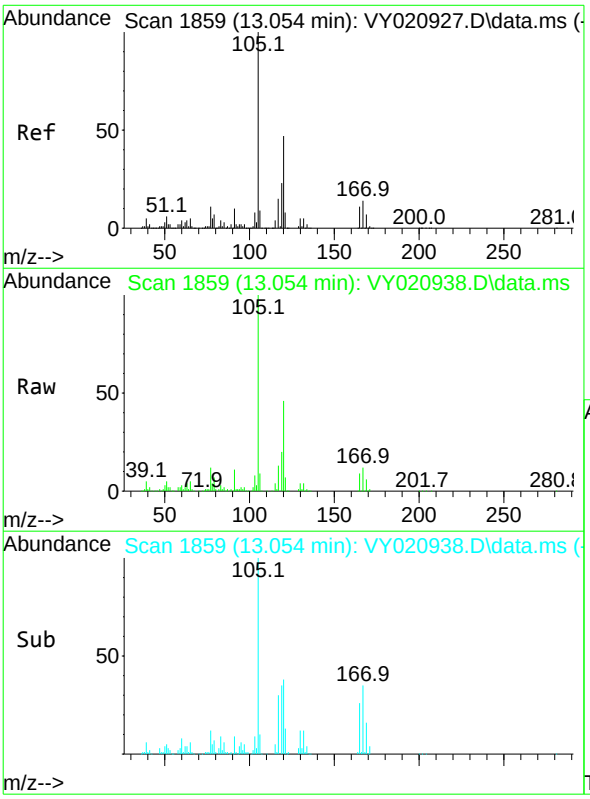
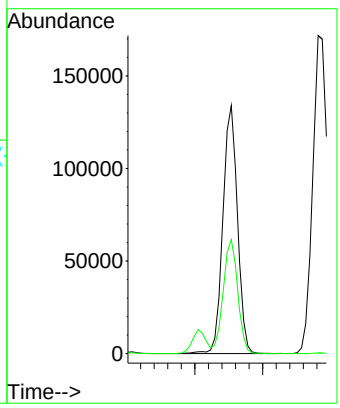


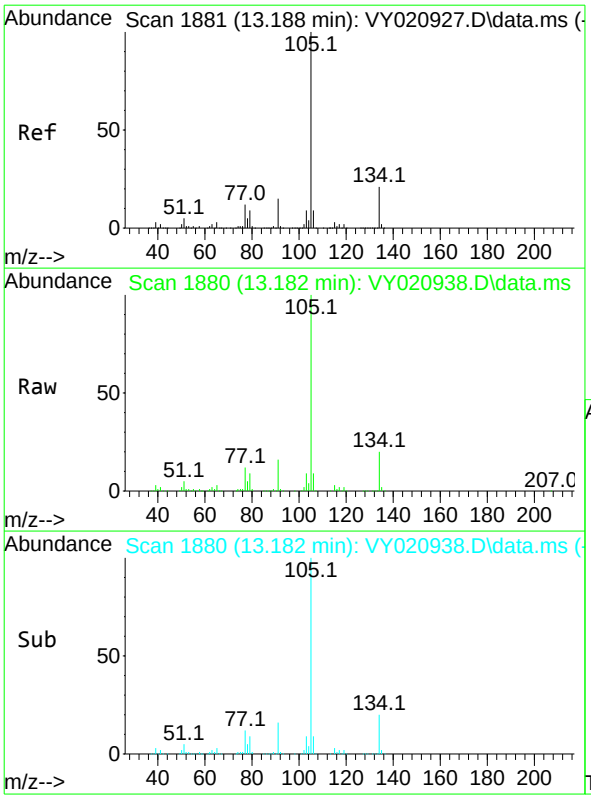


#84
1,2,4-Trimethylbenzene
Concen: 20.851 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:105 Resp: 200305

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.7

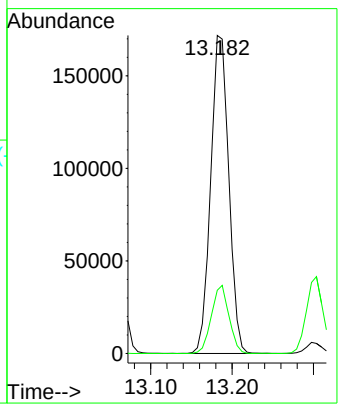




#85
sec-Butylbenzene
Concen: 20.685 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:105 Resp: 265445

Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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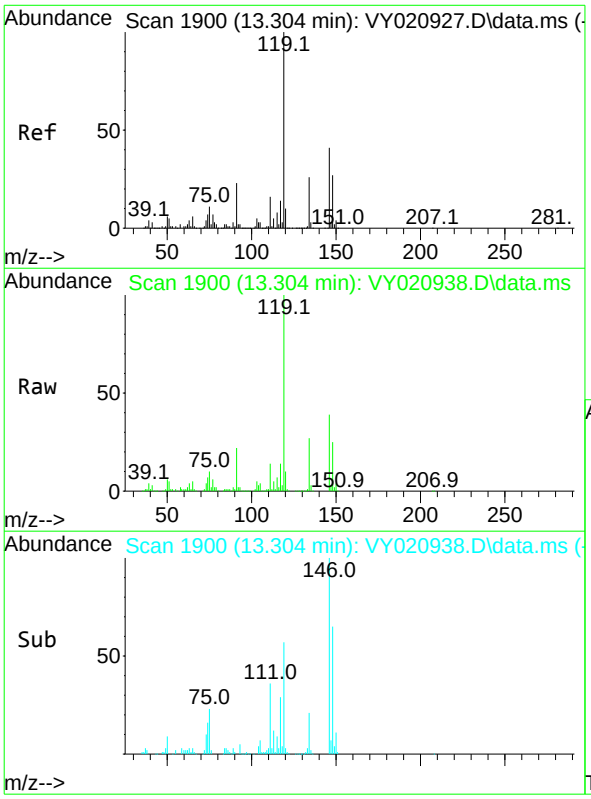
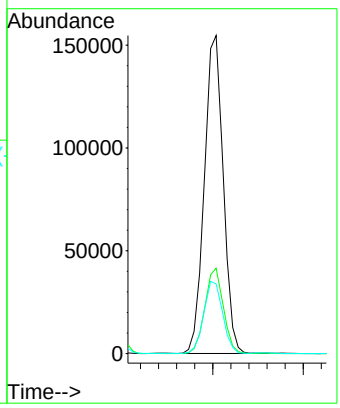
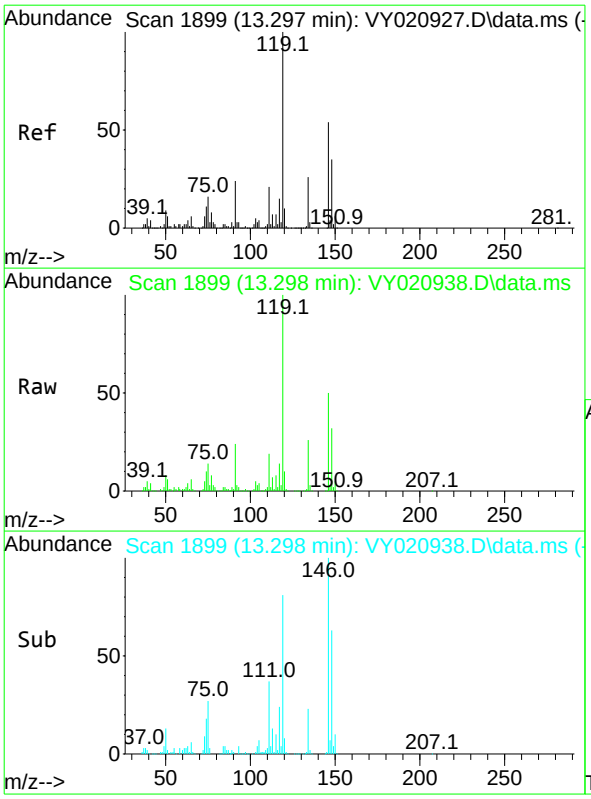


#86
p-Isopropyltoluene
Concen: 20.706 ug/l
RT: 13.304 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:119 Resp: 224491

Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.3	39.8
91	22.6	11.6	34.7

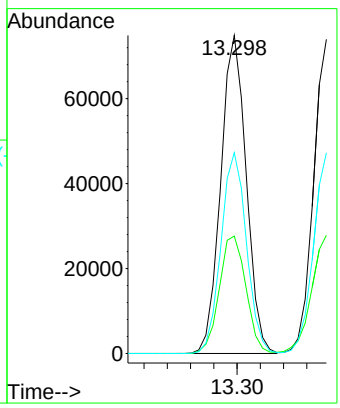




#87
1,3-Dichlorobenzene
Concen: 20.935 ug/l
RT: 13.298 min Scan# 18
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:146 Resp: 114125

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.2
148	63.2	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

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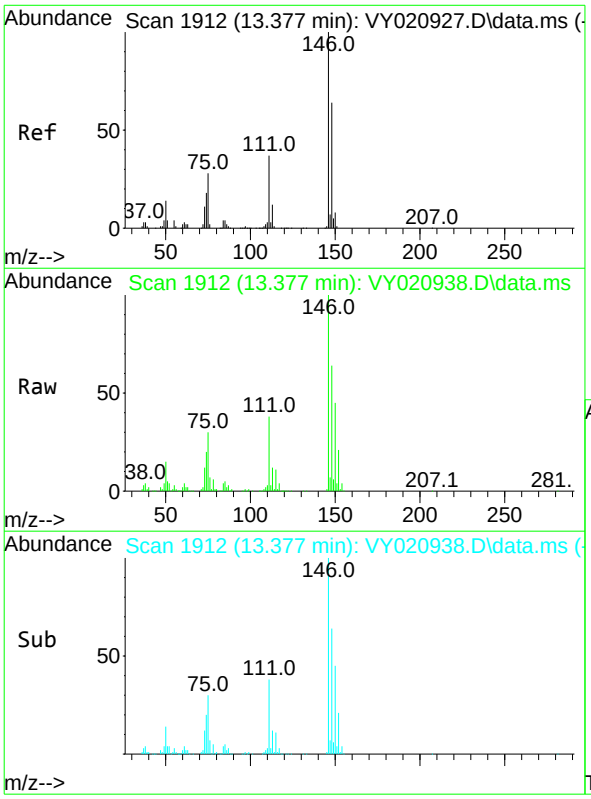
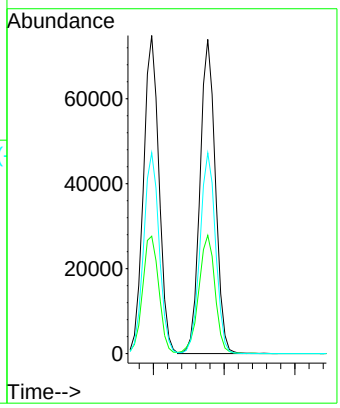
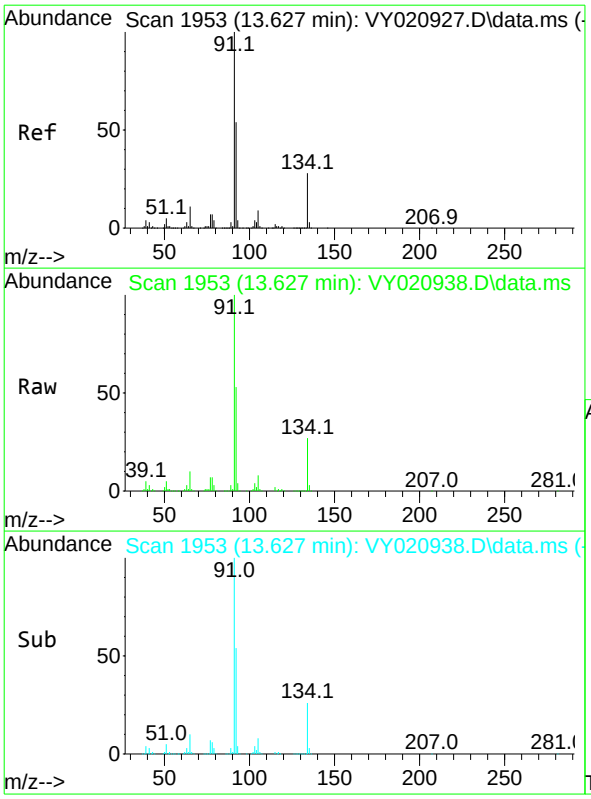


#88
1,4-Dichlorobenzene
Concen: 20.929 ug/l
RT: 13.377 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:146 Resp: 112075

Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.4
148	64.7	32.0	96.0





#89
n-Butylbenzene
Concen: 20.420 ug/l
RT: 13.627 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 91 Resp: 195281

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.8	80.3
134	27.5	13.8	41.4

Instrument :
MSVOA_Y
ClientSampleId :
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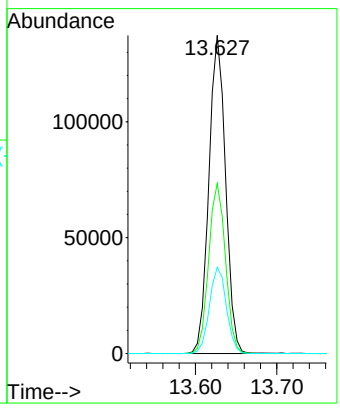
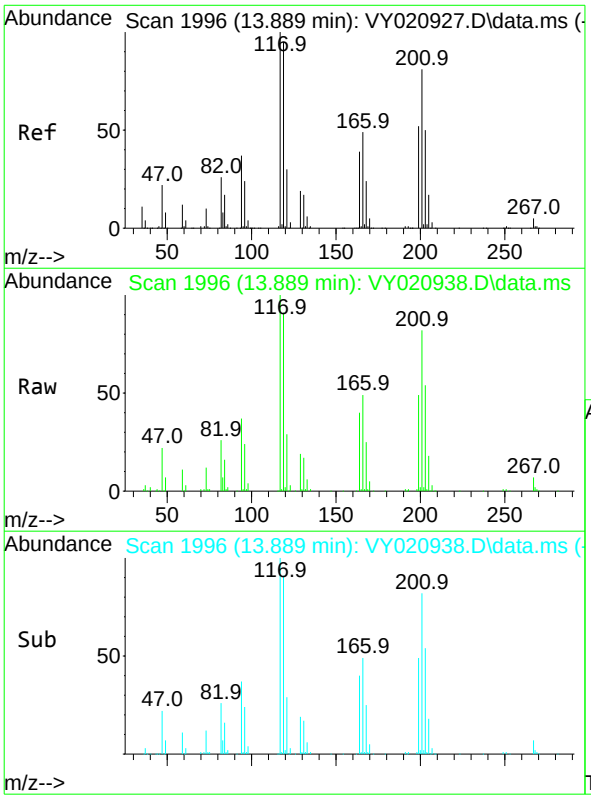
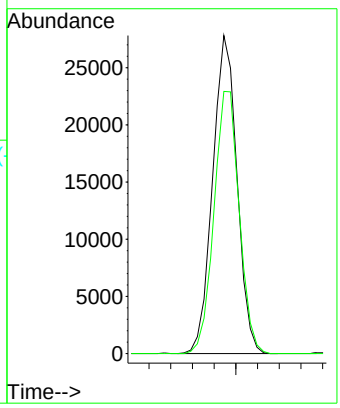


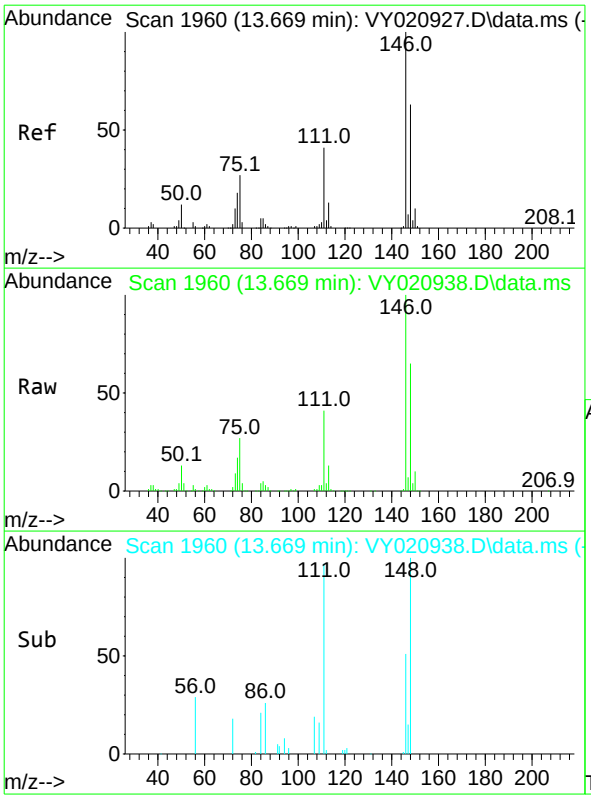


#90
Hexachloroethane
Concen: 20.116 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:117 Resp: 43323

Ion	Ratio	Lower	Upper
117	100		
201	85.3	42.7	128.1

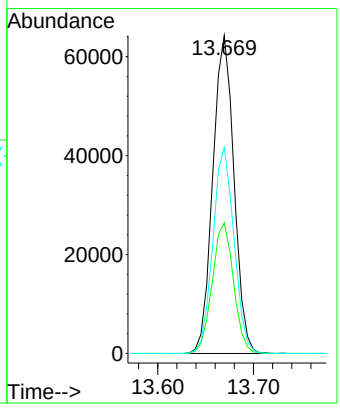




#91
1,2-Dichlorobenzene
Concen: 20.940 ug/l
RT: 13.669 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:146 Resp: 98897

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.6
148	64.9	32.2	96.6



Instrument :
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ClientSampleId :
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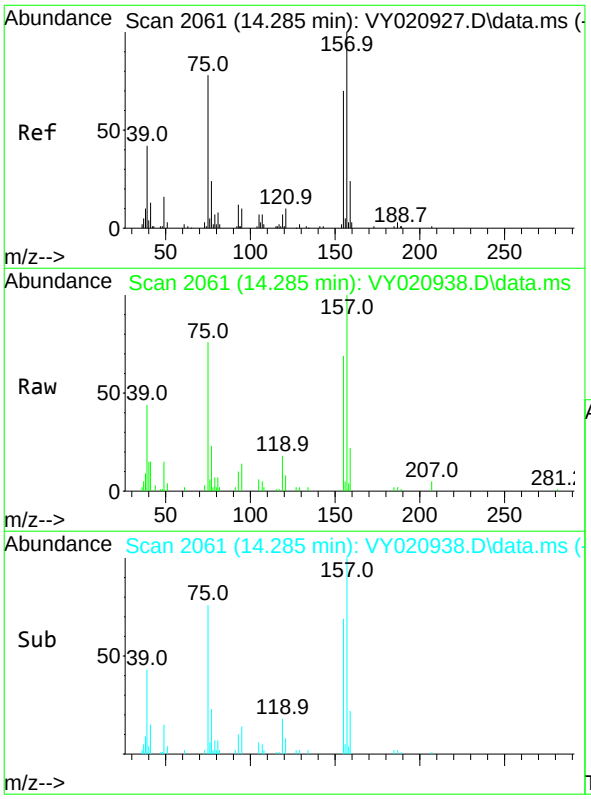
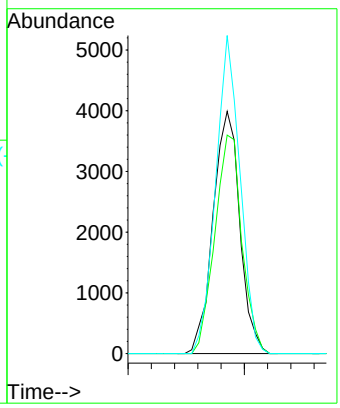
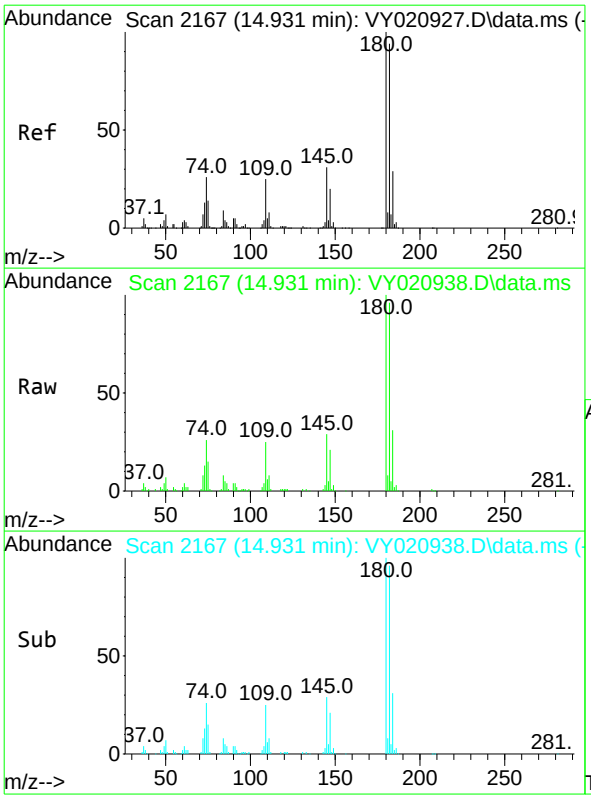


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.494 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion: 75 Resp: 6385

Ion	Ratio	Lower	Upper
75	100		
155	91.1	46.6	139.7
157	119.7	60.1	180.3

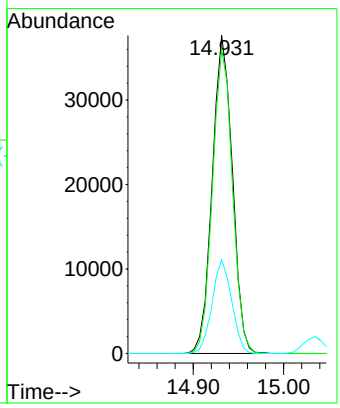




#93
1,2,4-Trichlorobenzene
Concen: 20.453 ug/l
RT: 14.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:180 Resp: 58110

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.0	141.2
145	28.7	14.9	44.5



Instrument :
MSVOA_Y
ClientSampleId :
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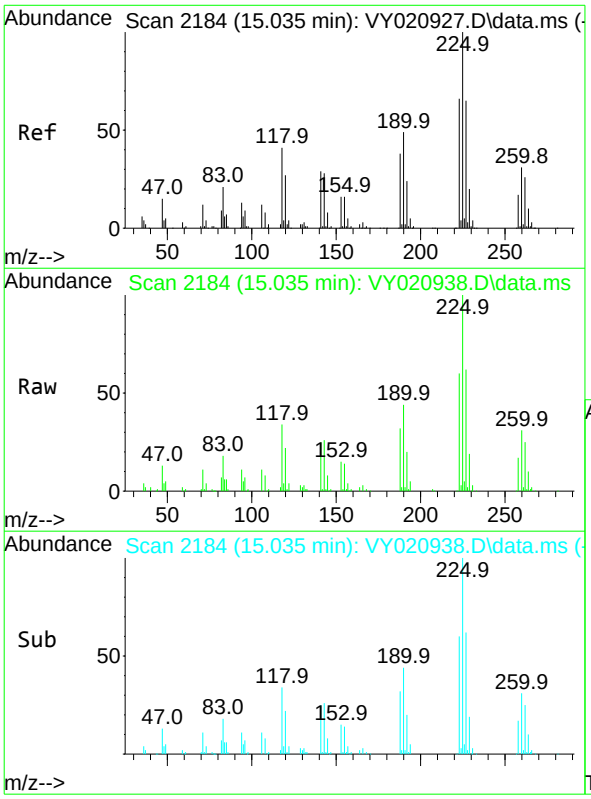
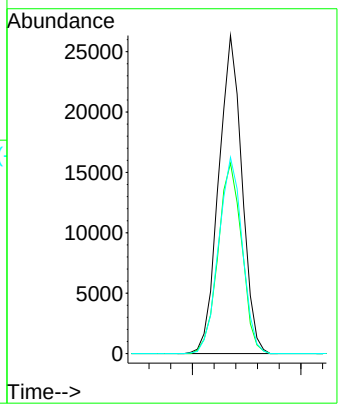
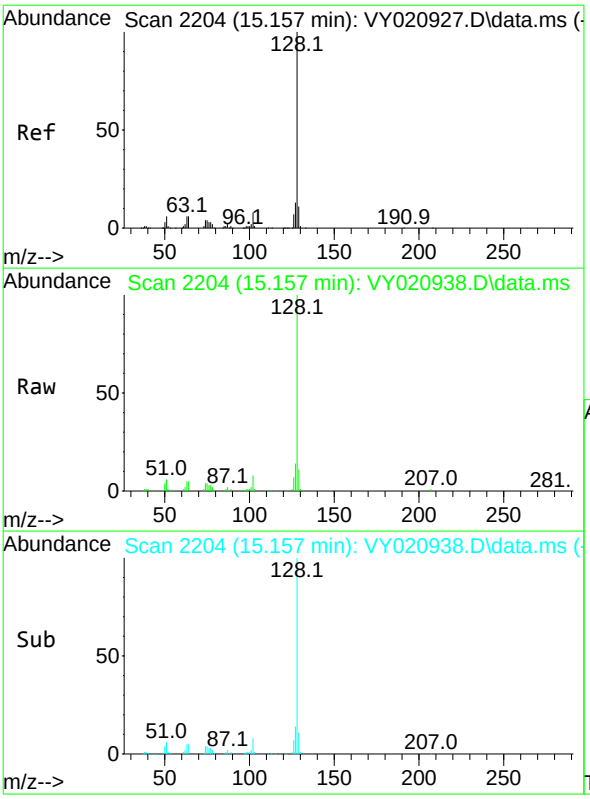


#94
Hexachlorobutadiene
Concen: 20.186 ug/l
RT: 15.035 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:225 Resp: 39240

Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.5	94.5
227	62.9	31.9	95.9





#95
Naphthalene
Concen: 21.064 ug/l
RT: 15.157 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

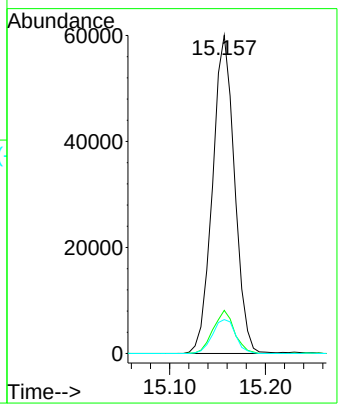
Tgt Ion:128 Resp: 95967

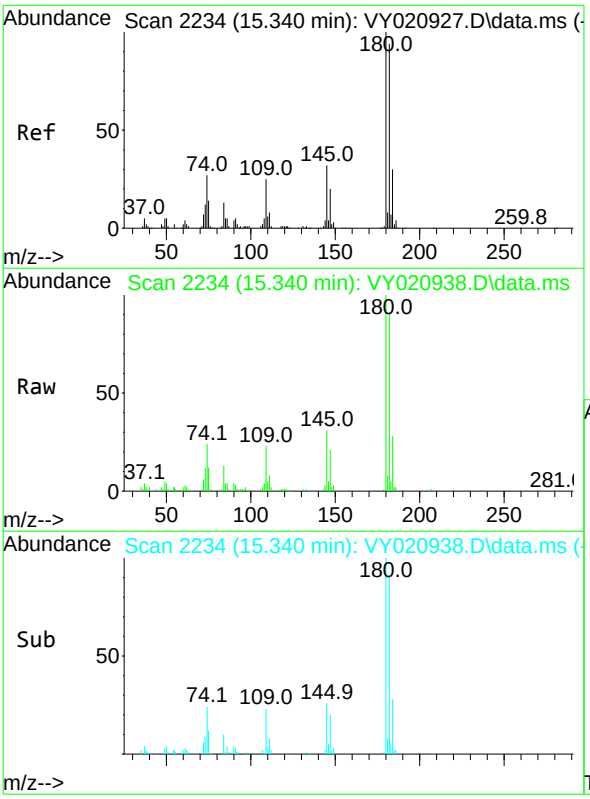
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.1	8.8	13.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

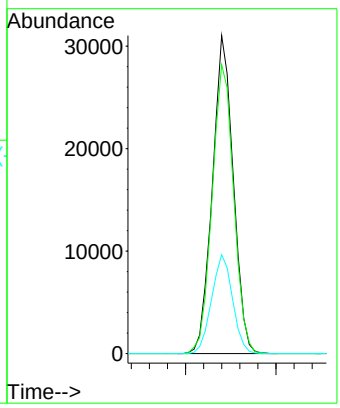




#96
1,2,3-Trichlorobenzene
Concen: 20.828 ug/l
RT: 15.340 min Scan# 2234
Delta R.T. 0.000 min
Lab File: VY020938.D
Acq: 27 Jan 2025 10:30

Tgt Ion:180 Resp: 49716

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.5	142.6
145	31.2	15.7	47.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085520.D
Acq On : 27 Jan 2025 16:46
Operator : JC\MD
Sample : VN0127WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 28 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	201491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	340191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154960	47.644	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.280%			
35) Dibromofluoromethane	8.165	113	113203	47.966	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.940%			
50) Toluene-d8	10.565	98	401058	47.828	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.660%			
62) 4-Bromofluorobenzene	12.847	95	143504	50.029	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	43592	15.979	ug/l	96
3) Chloromethane	2.359	50	45973	15.564	ug/l	99
4) Vinyl Chloride	2.512	62	46002	15.494	ug/l	96
5) Bromomethane	2.959	94	29007	16.174	ug/l	85
6) Chloroethane	3.124	64	30696	16.308	ug/l	96
7) Trichlorofluoromethane	3.500	101	72915	16.926	ug/l	95
8) Diethyl Ether	3.959	74	26002	17.472	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	42772	17.628	ug/l	100
10) Methyl Iodide	4.589	142	49008	17.637	ug/l	98
11) Tert butyl alcohol	5.518	59	41107	110.375	ug/l	97
12) 1,1-Dichloroethene	4.336	96	37531	17.356	ug/l	90
13) Acrolein	4.183	56	40300	79.268	ug/l	99
14) Allyl chloride	5.018	41	58987	16.810	ug/l	98
15) Acrylonitrile	5.712	53	113725	96.136	ug/l	100
16) Acetone	4.418	43	100927	96.038	ug/l	100
17) Carbon Disulfide	4.712	76	95341	14.319	ug/l	99
18) Methyl Acetate	5.018	43	65466	20.486	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	136305	19.412	ug/l	99
20) Methylene Chloride	5.271	84	45079	17.327	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	39558	17.117	ug/l	96
22) Diisopropyl ether	6.665	45	147381	18.923	ug/l	97
23) Vinyl Acetate	6.600	43	518523	95.132	ug/l	99
24) 1,1-Dichloroethane	6.559	63	84264	17.743	ug/l	99
25) 2-Butanone	7.483	43	151647	98.058	ug/l	99
26) 2,2-Dichloropropane	7.488	77	74832	19.490	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	48290	17.741	ug/l	95
28) Bromochloromethane	7.812	49	38579	17.461	ug/l	98
29) Tetrahydrofuran	7.835	42	97200	99.134	ug/l	99
30) Chloroform	7.965	83	87982	17.925	ug/l	96
31) Cyclohexane	8.253	56	66438	16.096	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	77155	17.920	ug/l	97
36) 1,1-Dichloropropene	8.371	75	57133	17.249	ug/l	99
37) Ethyl Acetate	7.553	43	61946	18.528	ug/l	99
38) Carbon Tetrachloride	8.359	117	67504	17.801	ug/l	97
39) Methylcyclohexane	9.600	83	52296	16.801	ug/l	97
40) Benzene	8.600	78	180711	18.157	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085520.D
Acq On : 27 Jan 2025 16:46
Operator : JC\MD
Sample : VN0127WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 28 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	33694	19.371 ug/l	98
42) 1,2-Dichloroethane	8.671	62	70495	18.807 ug/l	99
43) Isopropyl Acetate	8.682	43	103570	19.333 ug/l	99
44) Trichloroethene	9.347	130	41488	17.908 ug/l	87
45) 1,2-Dichloropropane	9.618	63	45946	18.074 ug/l	98
46) Dibromomethane	9.706	93	33962	18.515 ug/l	99
47) Bromodichloromethane	9.882	83	71647	19.172 ug/l	99
48) Methyl methacrylate	9.677	41	46908	19.457 ug/l	97
49) 1,4-Dioxane	9.694	88	17074	420.559 ug/l #	93
51) 4-Methyl-2-Pentanone	10.441	43	320825	103.202 ug/l	100
52) Toluene	10.629	92	109132	18.925 ug/l	100
53) t-1,3-Dichloropropene	10.829	75	68929	19.518 ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	71135	18.857 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	44242	19.386 ug/l	97
56) Ethyl methacrylate	10.871	69	63624	17.842 ug/l	98
57) 1,3-Dichloropropane	11.159	76	74624	18.805 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	128650	88.832 ug/l	99
59) 2-Hexanone	11.194	43	228088	104.275 ug/l	100
60) Dibromochloromethane	11.359	129	52631	19.102 ug/l	100
61) 1,2-Dibromoethane	11.465	107	43380	19.096 ug/l	96
64) Tetrachloroethene	11.100	164	37711	18.573 ug/l	98
65) Chlorobenzene	11.888	112	120046	18.399 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	44226	18.469 ug/l	99
67) Ethyl Benzene	11.959	91	197539	18.589 ug/l	98
68) m/p-Xylenes	12.070	106	152037	38.711 ug/l	99
69) o-Xylene	12.394	106	71148	18.956 ug/l	99
70) Styrene	12.406	104	121008	19.481 ug/l	99
71) Bromoform	12.576	173	34534	20.155 ug/l #	99
73) Isopropylbenzene	12.694	105	182673	19.042 ug/l	100
74) N-amyl acetate	12.494	43	83274	19.312 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	65114	19.215 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	51898m	17.964 ug/l	
77) Bromobenzene	12.976	156	46207	18.436 ug/l	96
78) n-propylbenzene	13.035	91	220924	19.453 ug/l	100
79) 2-Chlorotoluene	13.123	91	139334	18.957 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	156321	19.727 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.729	75	21572	20.202 ug/l	98
82) 4-Chlorotoluene	13.217	91	140536	19.203 ug/l	100
83) tert-Butylbenzene	13.435	119	127363	19.139 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	156143	19.770 ug/l	99
85) sec-Butylbenzene	13.612	105	180596	19.581 ug/l	99
86) p-Isopropyltoluene	13.729	119	149717	19.503 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	87188	18.889 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	86342	18.047 ug/l	99
89) n-Butylbenzene	14.053	91	119951	18.129 ug/l	98
90) Hexachloroethane	14.329	117	30919	17.610 ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	85986	18.676 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12784	20.659 ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	38523	18.002 ug/l	97
94) Hexachlorobutadiene	15.494	225	19815	17.442 ug/l	96
95) Naphthalene	15.641	128	114951	18.002 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	39137	18.075 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085520.D
Acq On : 27 Jan 2025 16:46
Operator : JC\MD
Sample : VN0127WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 28 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012725\
Data File : VN085520.D
Acq On : 27 Jan 2025 16:46
Operator : JC\MD
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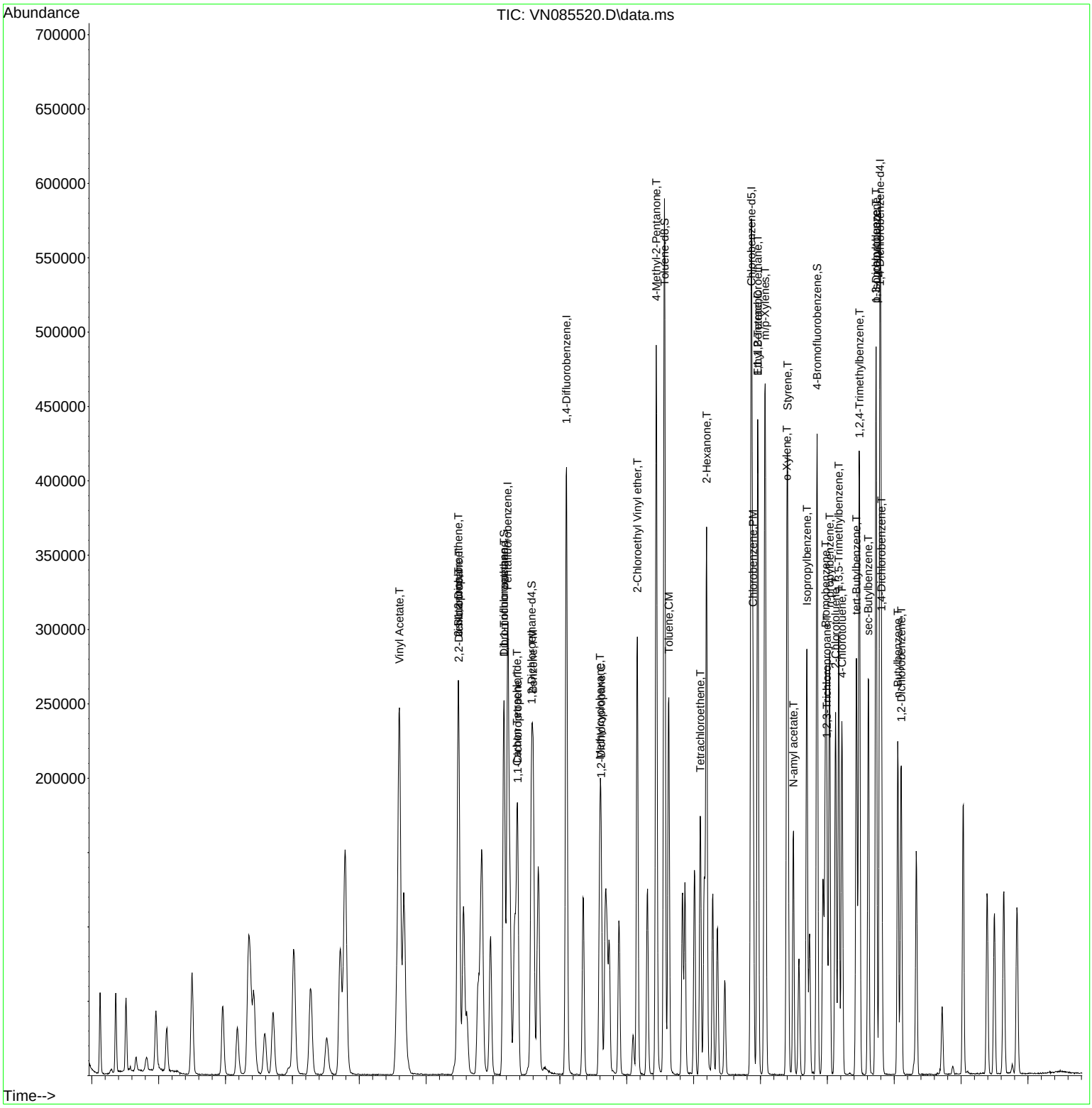
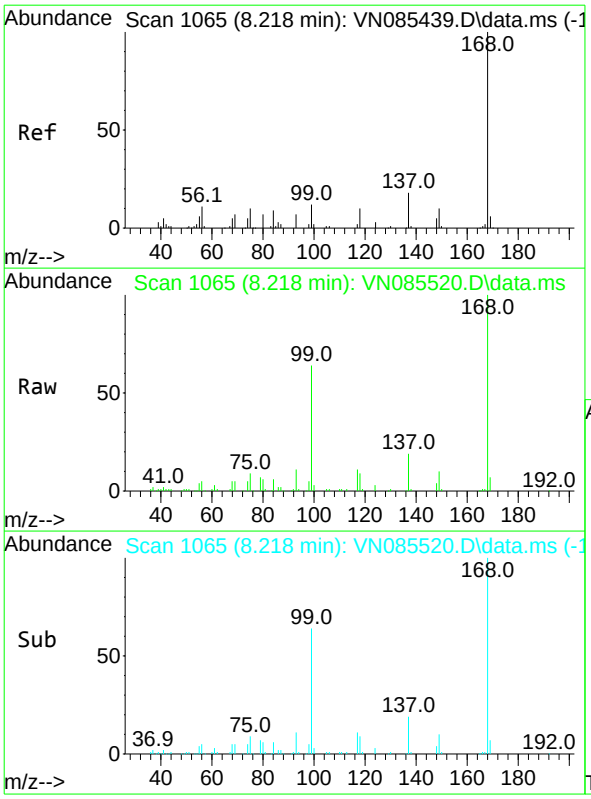
Quant Time: Jan 28 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

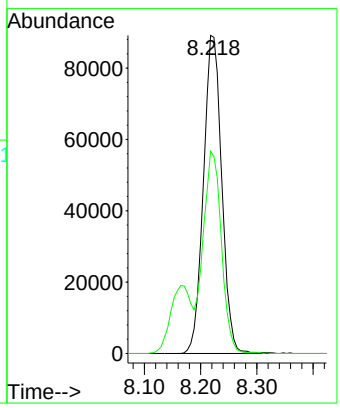




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:168 Resp: 201491

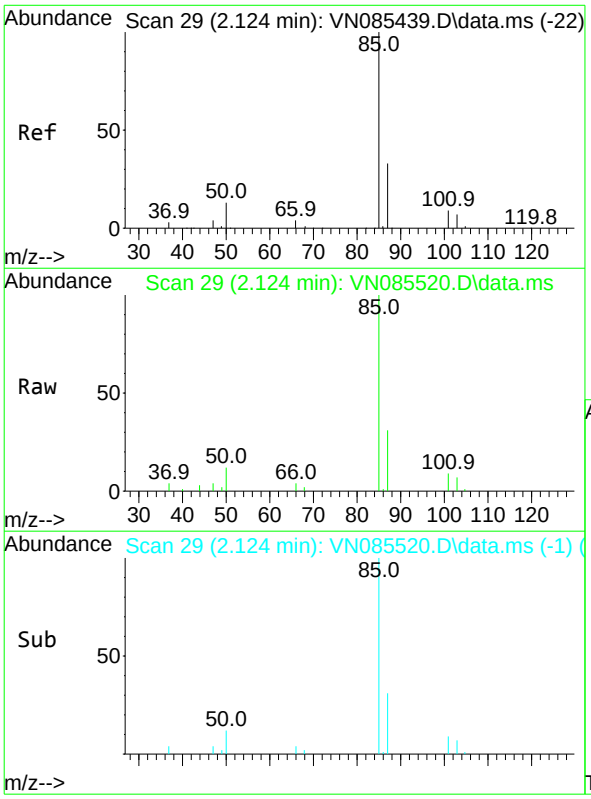
Ion	Ratio	Lower	Upper
168	100		
99	63.6	53.6	80.4



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Manual Integrations
APPROVED

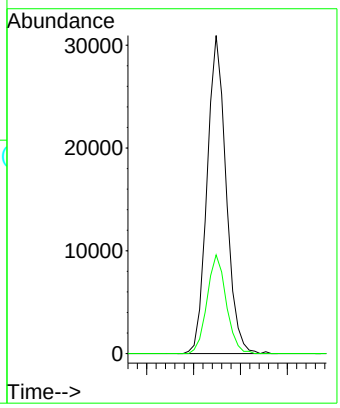
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#2
Dichlorodifluoromethane
Concen: 15.979 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 85 Resp: 43592

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.7	50.1



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Manual Integrations
APPROVED

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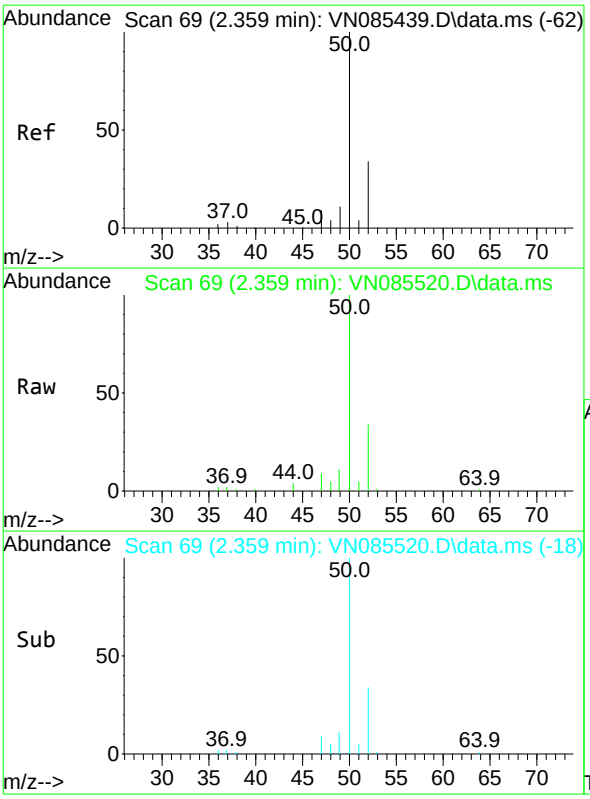
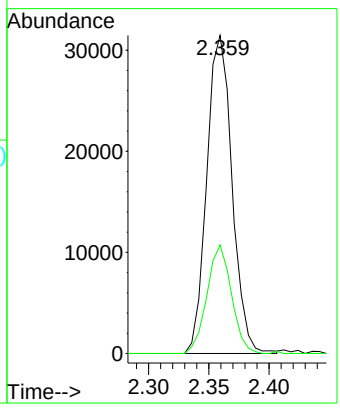
Supervised By :Mahesh Dadoda 01/28/2025

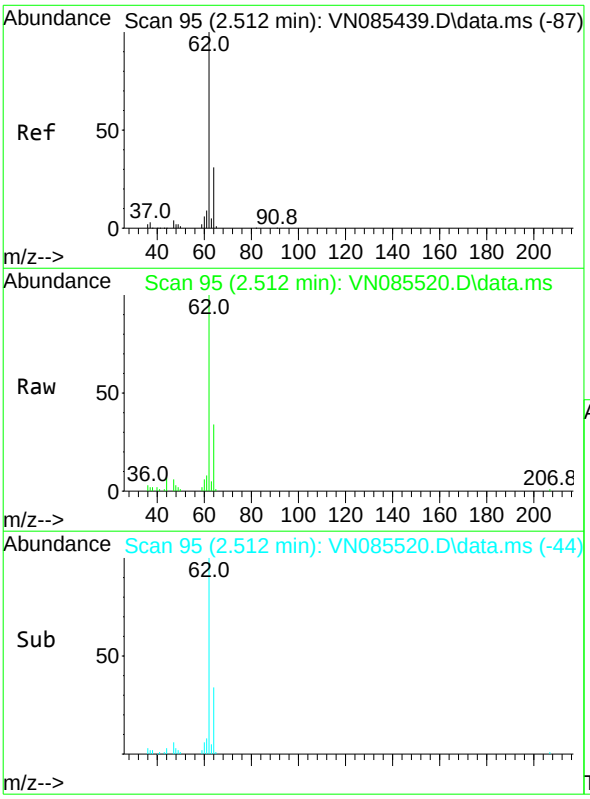


#3
Chloromethane
Concen: 15.564 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 50 Resp: 45973

Ion	Ratio	Lower	Upper
50	100		
52	34.1	27.0	40.6

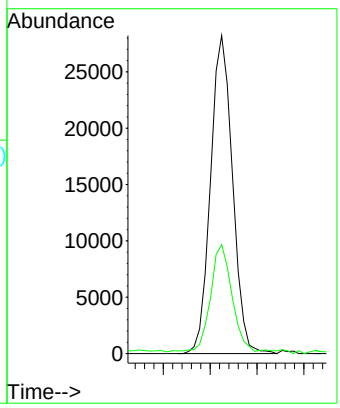


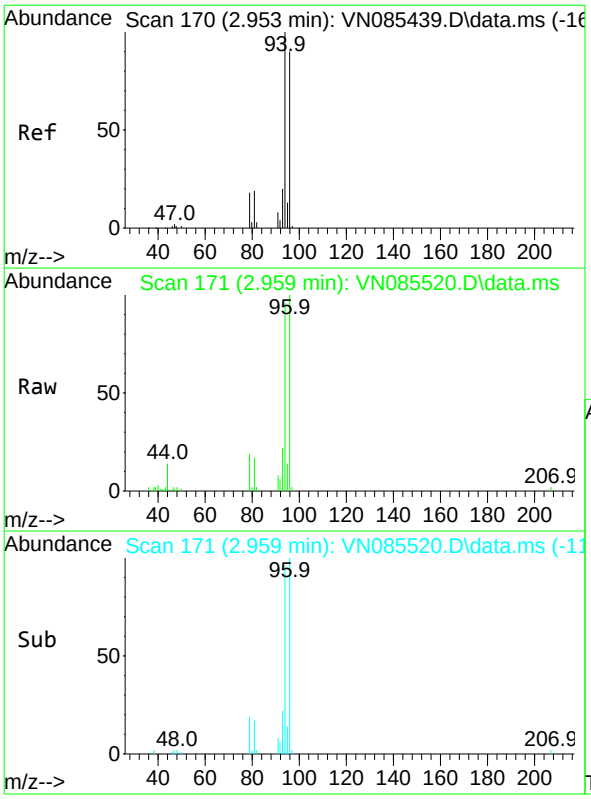


#4
Vinyl Chloride
Concen: 15.494 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 62 Resp: 46002

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.8	37.2





#5
Bromomethane
Concen: 16.174 ug/l
RT: 2.959 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

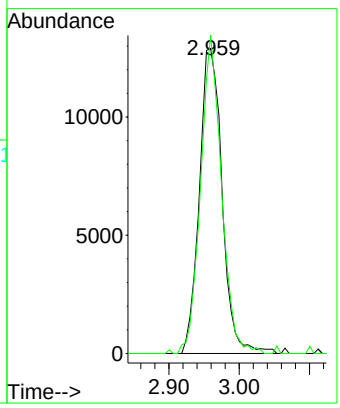
Tgt Ion: 94 Resp: 29007

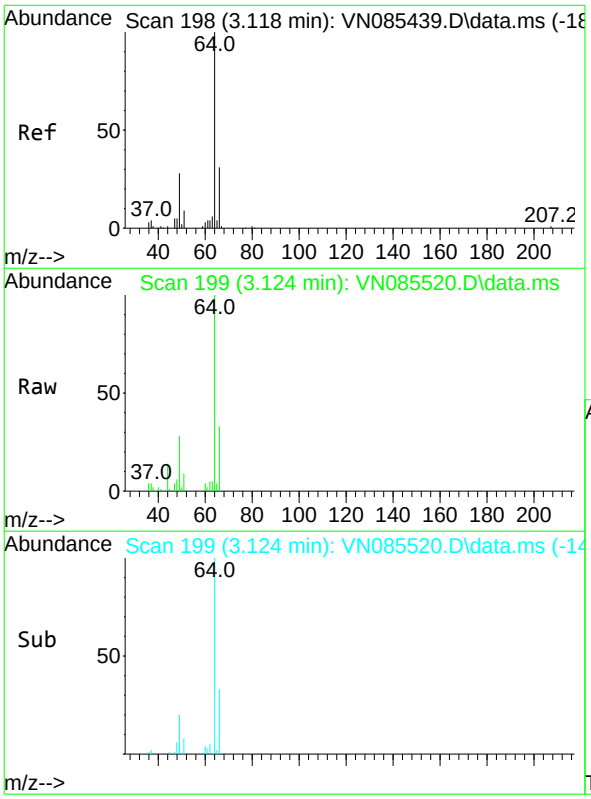
Ion	Ratio	Lower	Upper
94	100		
96	104.2	71.8	107.6

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

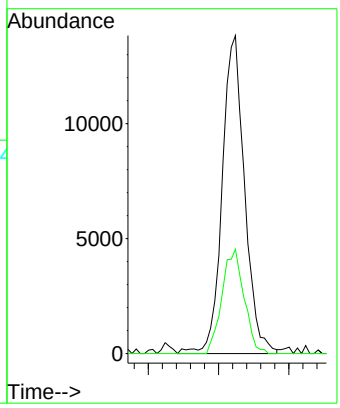


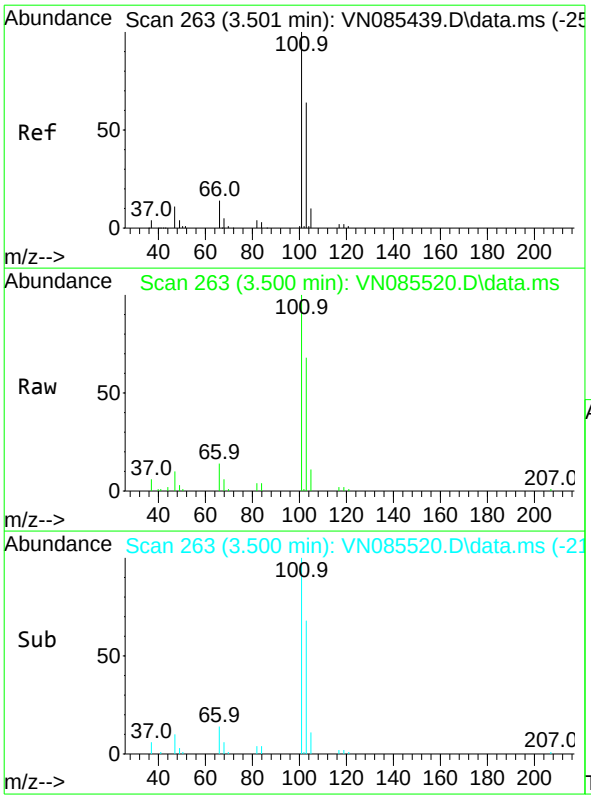


#6
Chloroethane
Concen: 16.308 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 64 Resp: 30696

Ion	Ratio	Lower	Upper
64	100		
66	32.8	24.6	36.8

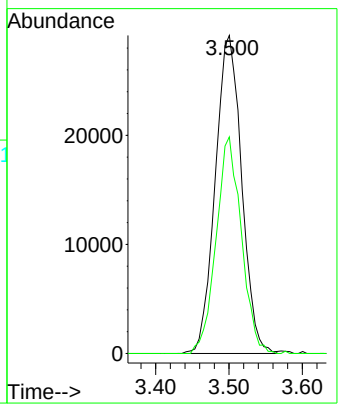




#7
Trichlorofluoromethane
Concen: 16.926 ug/l
RT: 3.500 min Scan# 26
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:101 Resp: 72915

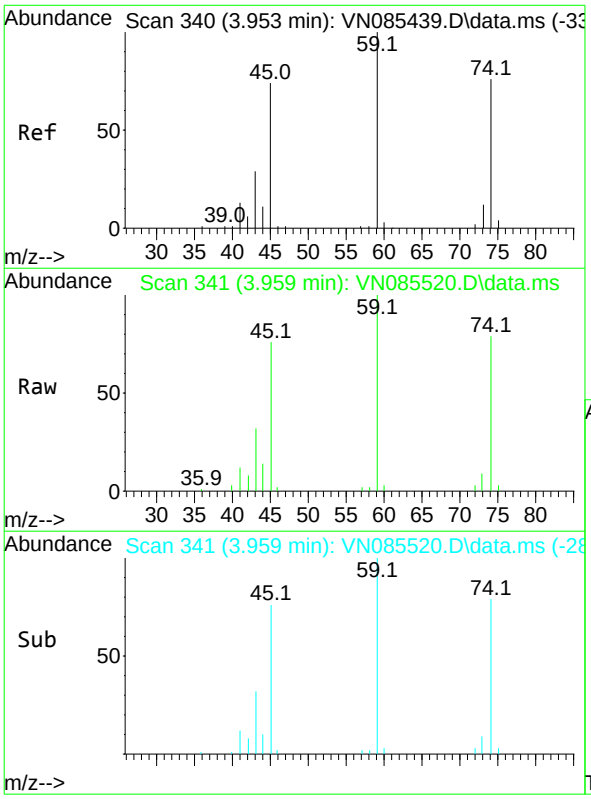
Ion	Ratio	Lower	Upper
101	100		
103	68.1	51.4	77.2



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Manual Integrations
APPROVED

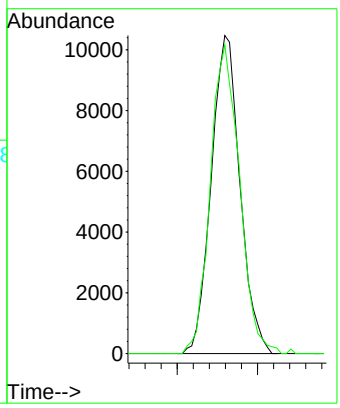
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

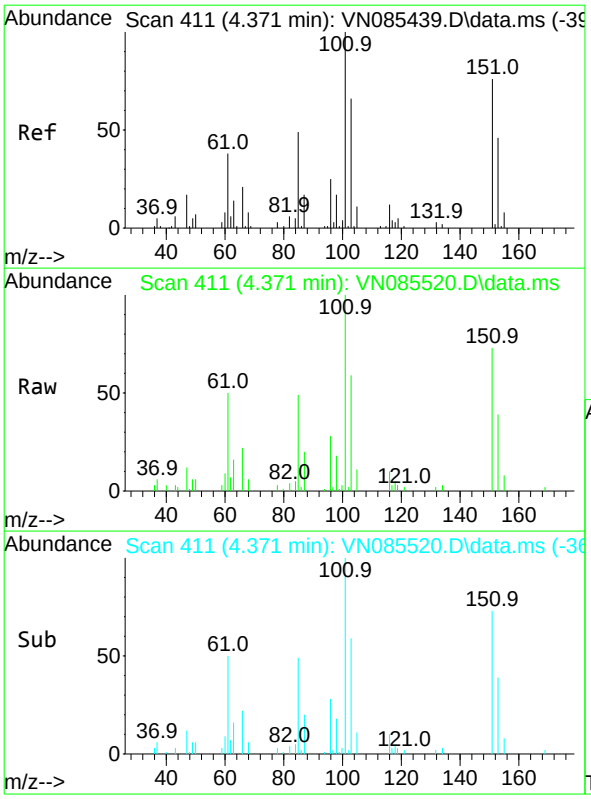


#8
Diethyl Ether
Concen: 17.472 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 74 Resp: 26002

Ion	Ratio	Lower	Upper
74	100		
45	98.9	49.7	149.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.628 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:101 Resp: 42772

Ion	Ratio	Lower	Upper
101	100		
85	47.3	37.8	56.8
151	73.4	58.8	88.2

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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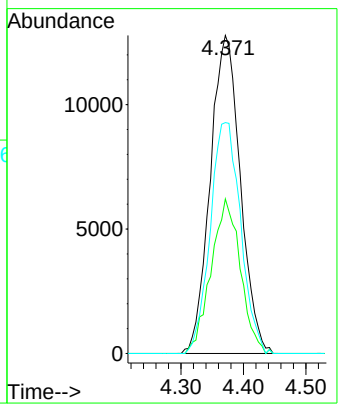
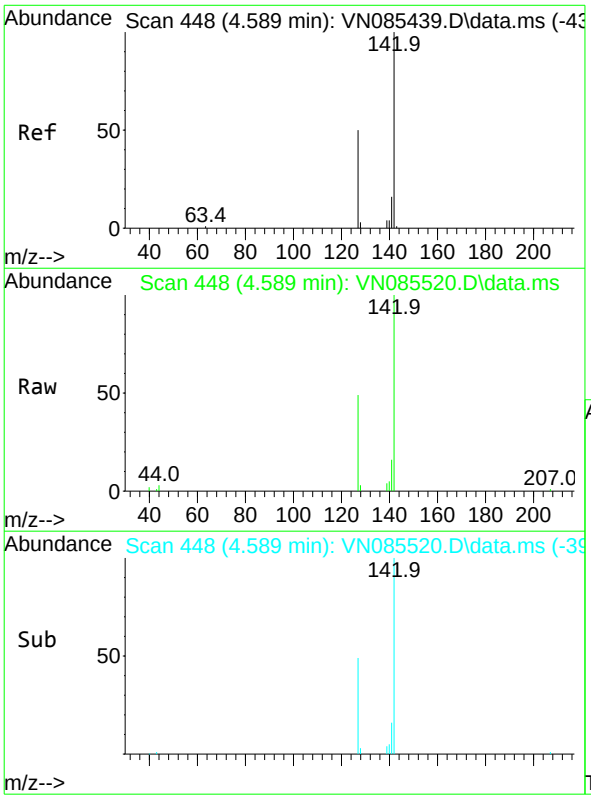
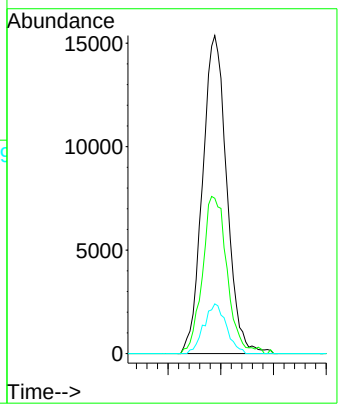


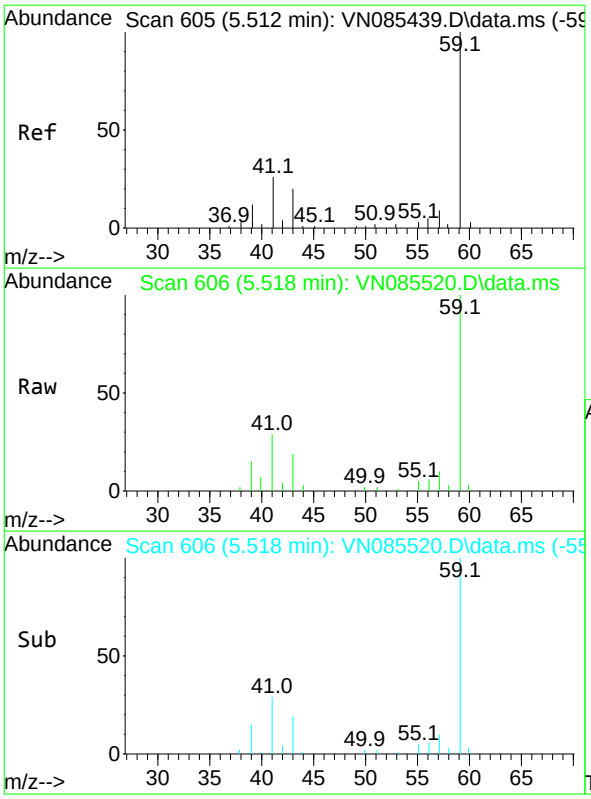


#10
Methyl Iodide
Concen: 17.637 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:142 Resp: 49008

Ion	Ratio	Lower	Upper
142	100		
127	48.8	40.3	60.5
141	15.6	12.8	19.2

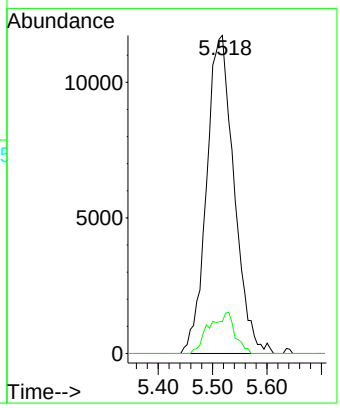




#11
Tert butyl alcohol
Concen: 110.375 ug/l
RT: 5.518 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 59 Resp: 41107

Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.6	13.0



Instrument :
MSVOA_N
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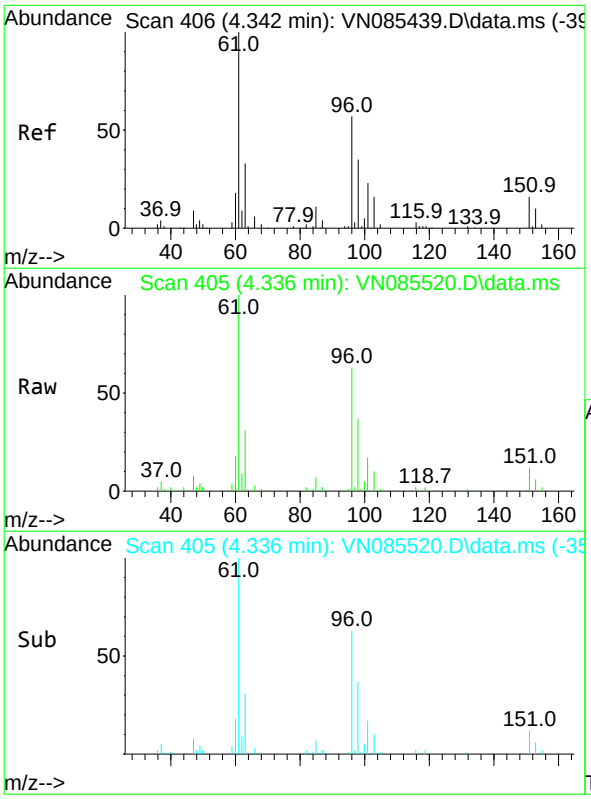
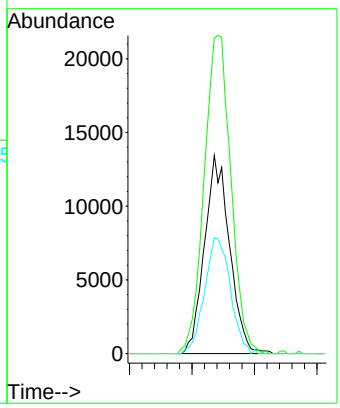
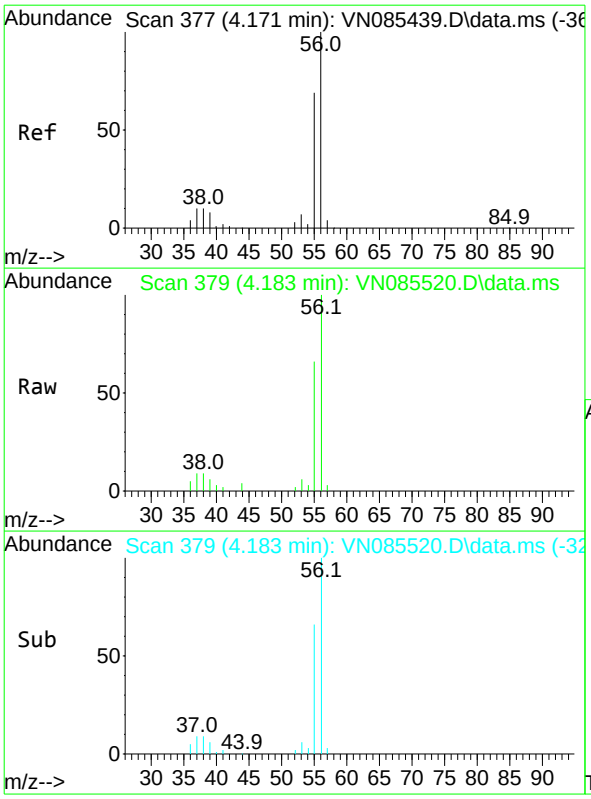


#12
1,1-Dichloroethene
Concen: 17.356 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 96 Resp: 37531

Ion	Ratio	Lower	Upper
96	100		
61	159.2	141.0	211.4
98	58.6	49.0	73.6

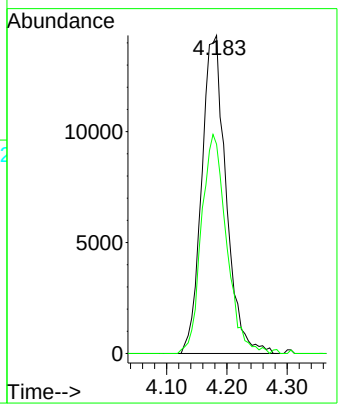




#13
Acrolein
Concen: 79.268 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.012 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 56 Resp: 40300

Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.3	84.5



Instrument :
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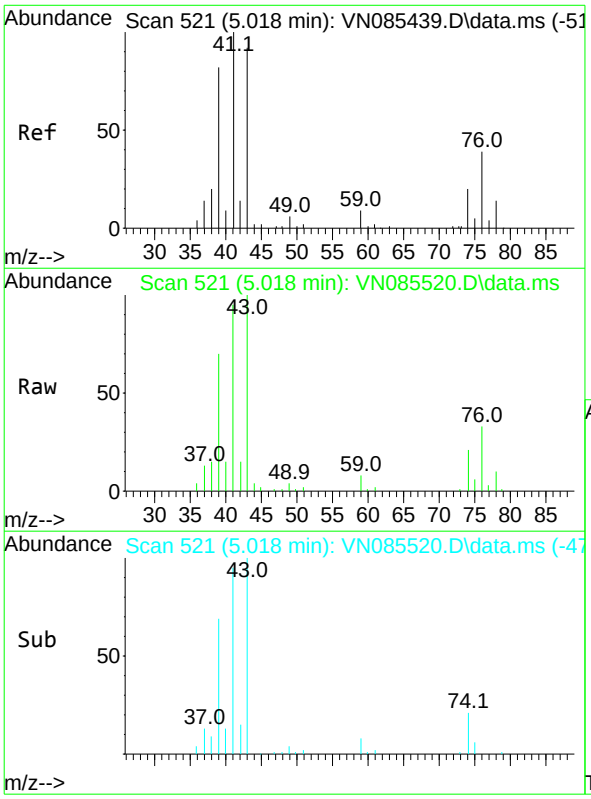
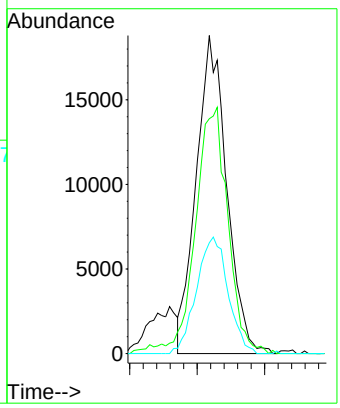
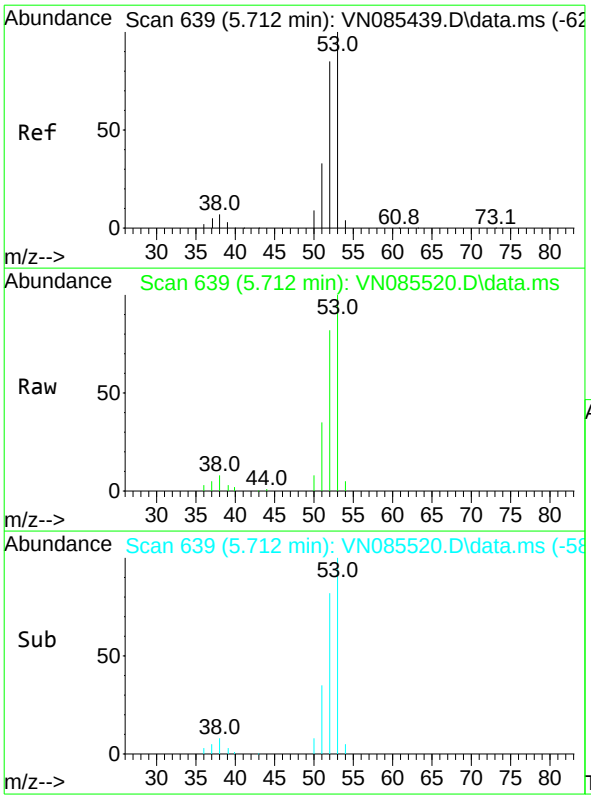


#14
Allyl chloride
Concen: 16.810 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 41 Resp: 58987

Ion	Ratio	Lower	Upper
41	100		
39	82.9	64.4	96.6
76	37.8	30.5	45.7

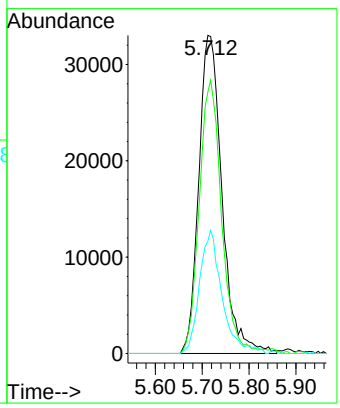




#15
Acrylonitrile
Concen: 96.136 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 53 Resp: 113725

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	37.4	29.8	44.8



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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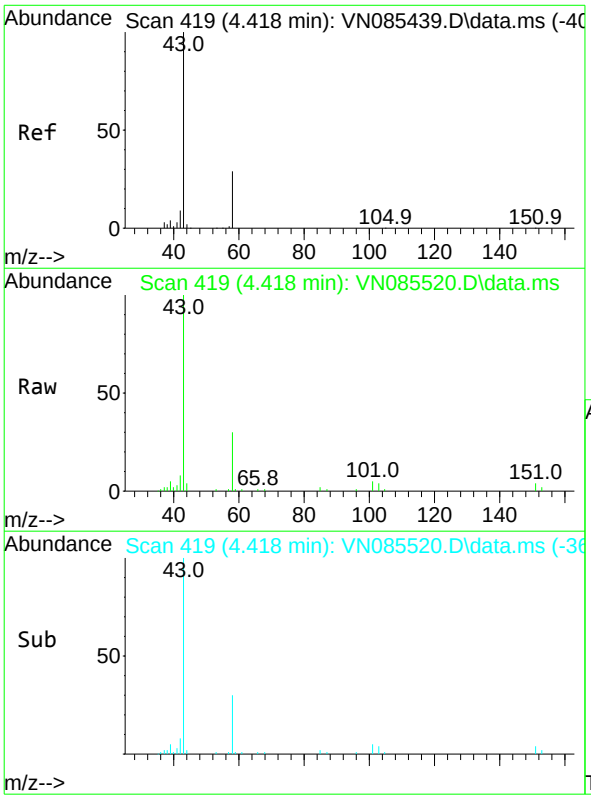
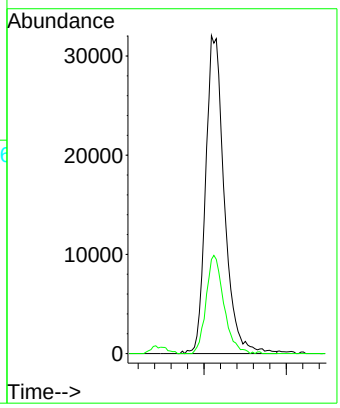
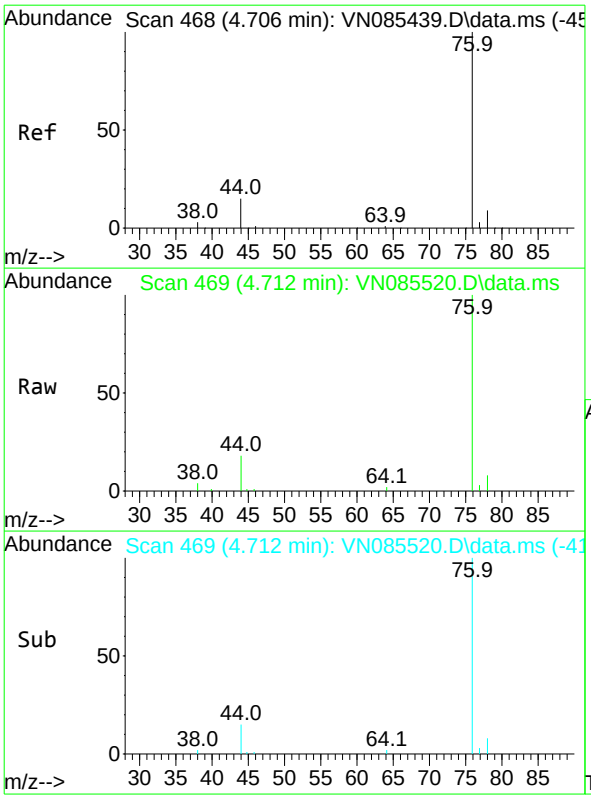


#16
Acetone
Concen: 96.038 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 43 Resp: 100927

Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.8	35.6

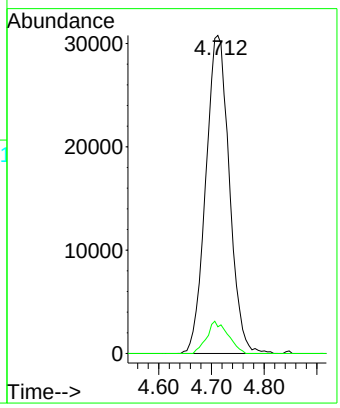




#17
Carbon Disulfide
Concen: 14.319 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 76 Resp: 95341

Ion	Ratio	Lower	Upper
76	100		
78	8.4	6.9	10.3



Instrument :
MSVOA_N
ClientSampleId :
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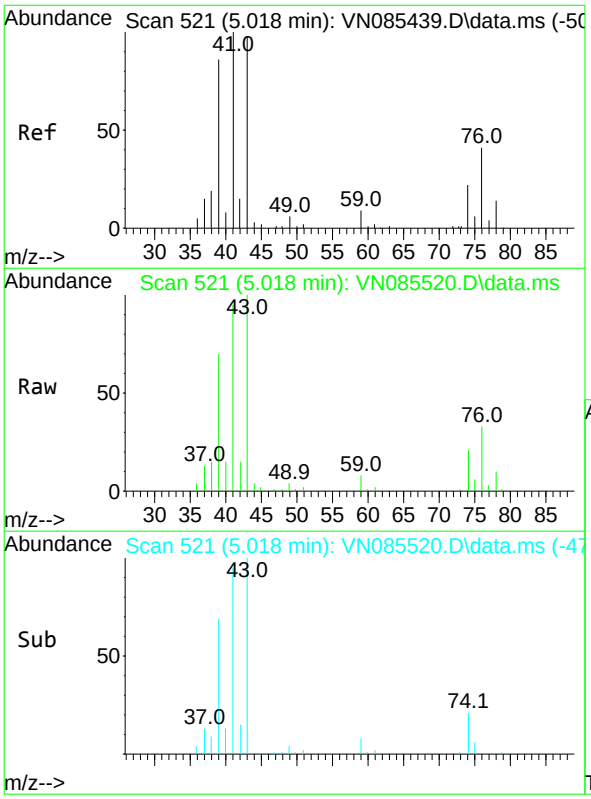
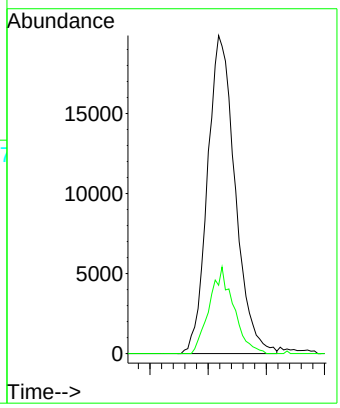
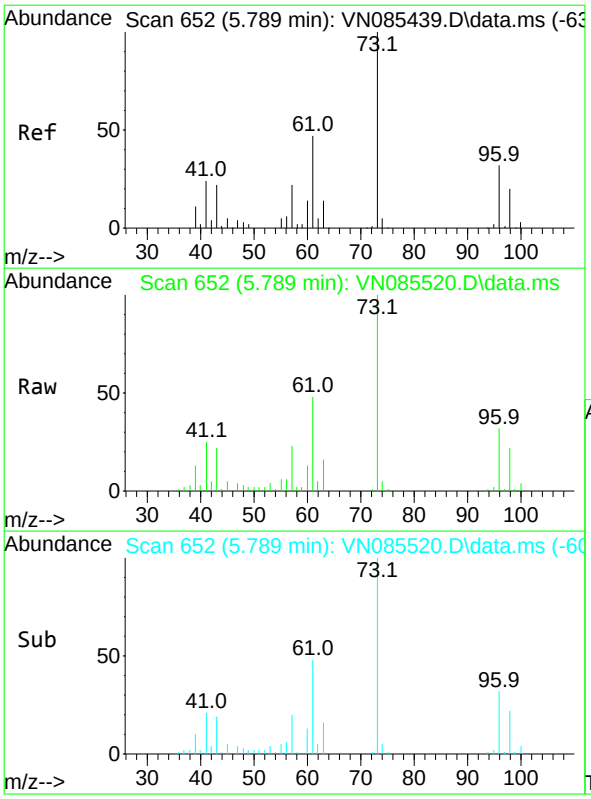


#18
Methyl Acetate
Concen: 20.486 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 43 Resp: 65466

Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.6	28.0





#19
Methyl tert-butyl Ether
Concen: 19.412 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 73 Resp: 136305

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.8	26.8

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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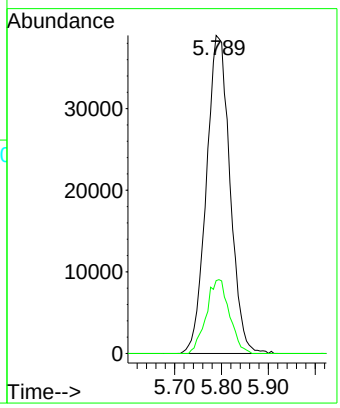
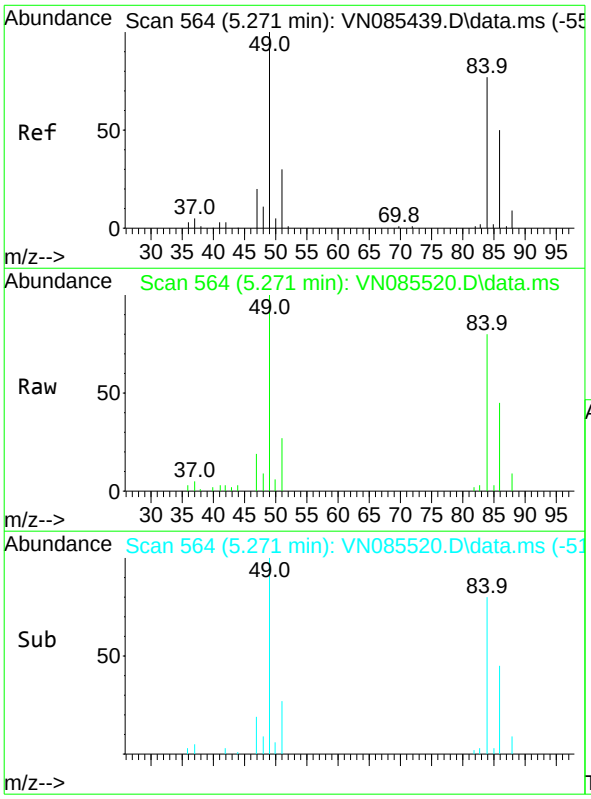
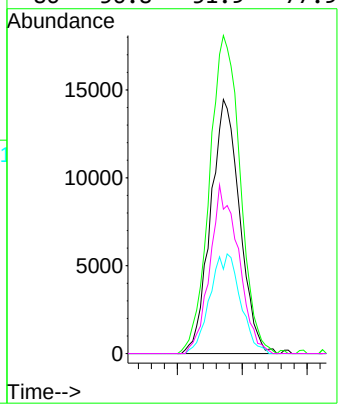




#20
Methylene Chloride
Concen: 17.327 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 84 Resp: 45079

Ion	Ratio	Lower	Upper
84	100		
49	125.2	104.1	156.1
51	33.2	31.0	46.4
86	56.8	51.9	77.9



5

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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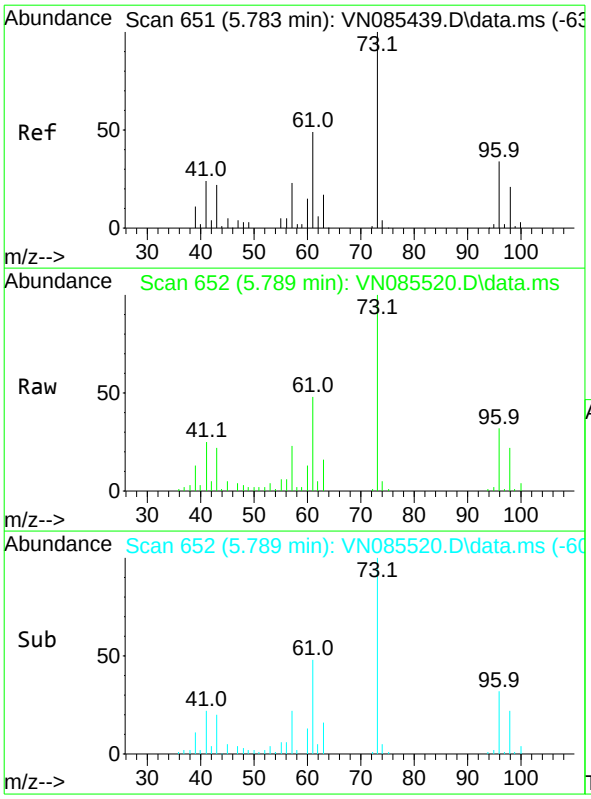
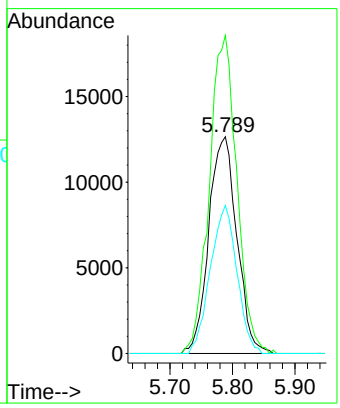
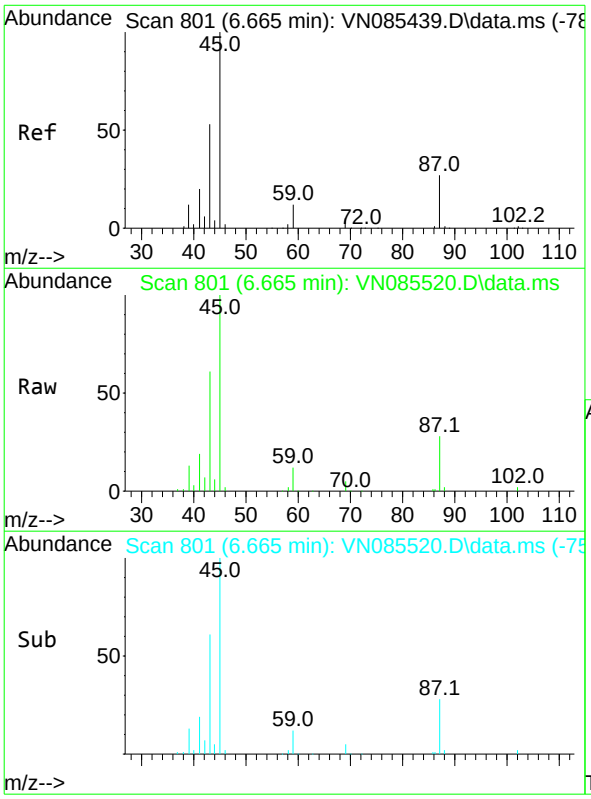


#21
trans-1,2-Dichloroethene
Concen: 17.117 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 96 Resp: 39558

Ion	Ratio	Lower	Upper
96	100		
61	146.7	115.7	173.5
98	68.3	49.8	74.8

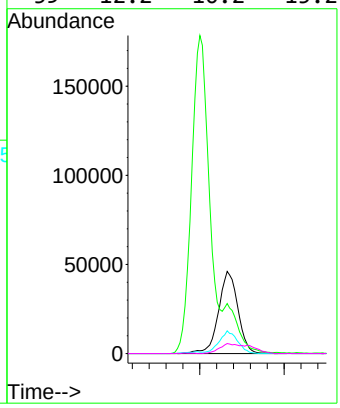


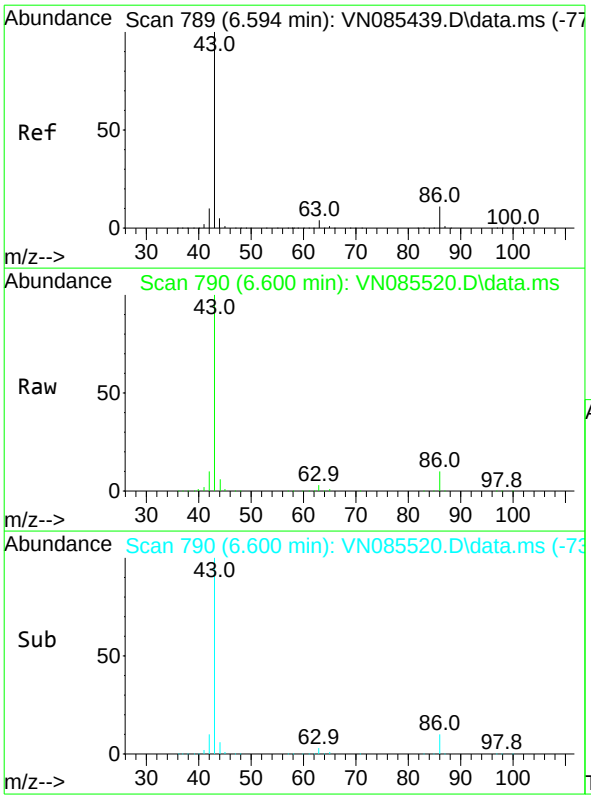


#22
Diisopropyl ether
Concen: 18.923 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 45 Resp: 147381

Ion	Ratio	Lower	Upper
45	100		
43	59.4	45.0	67.6
87	27.7	21.8	32.8
59	12.2	10.2	15.2

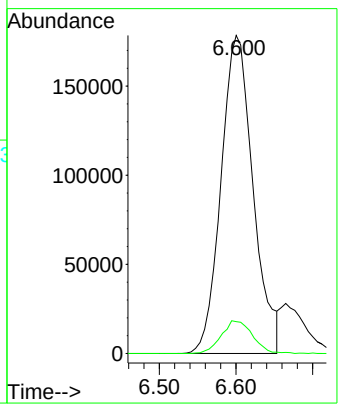




#23
Vinyl Acetate
Concen: 95.132 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 43 Resp: 518523

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.4	12.6



Instrument :
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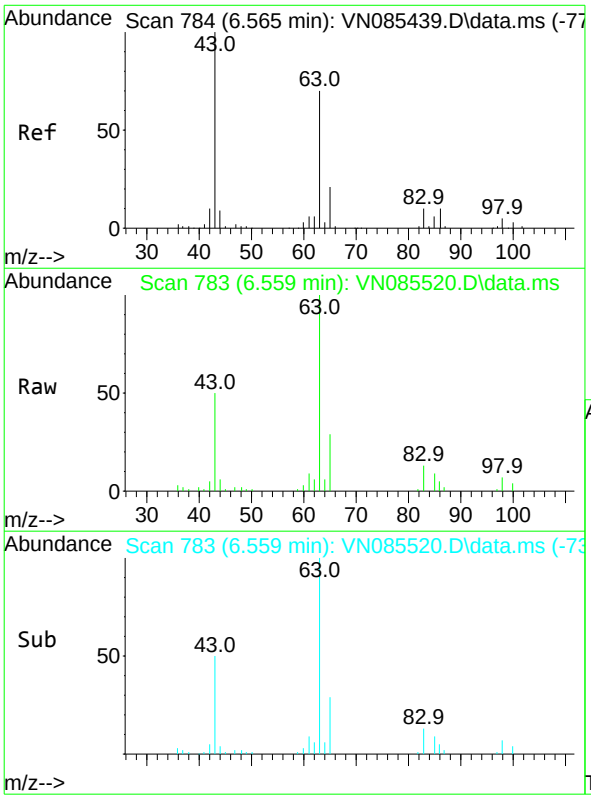
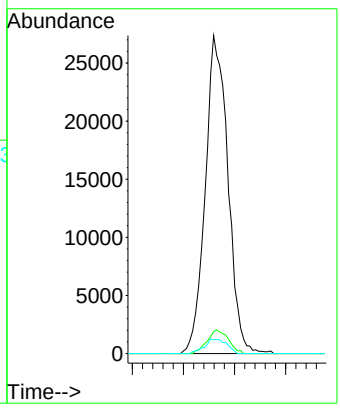
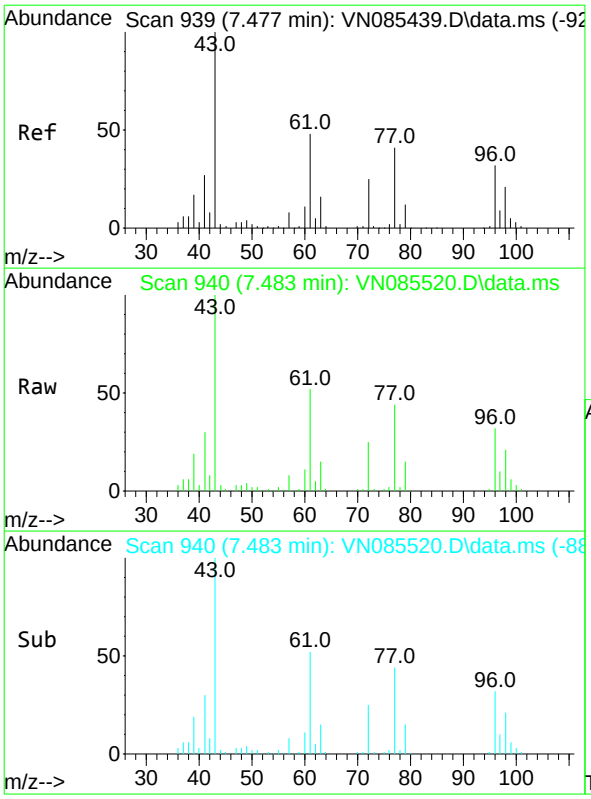


#24
1,1-Dichloroethane
Concen: 17.743 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 63 Resp: 84264

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.3	9.8
100	4.4	2.0	6.0





#25
2-Butanone
Concen: 98.058 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 43 Resp: 151647

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.4

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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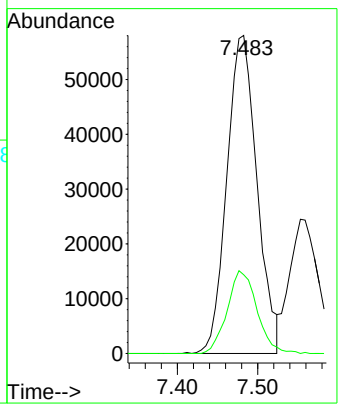
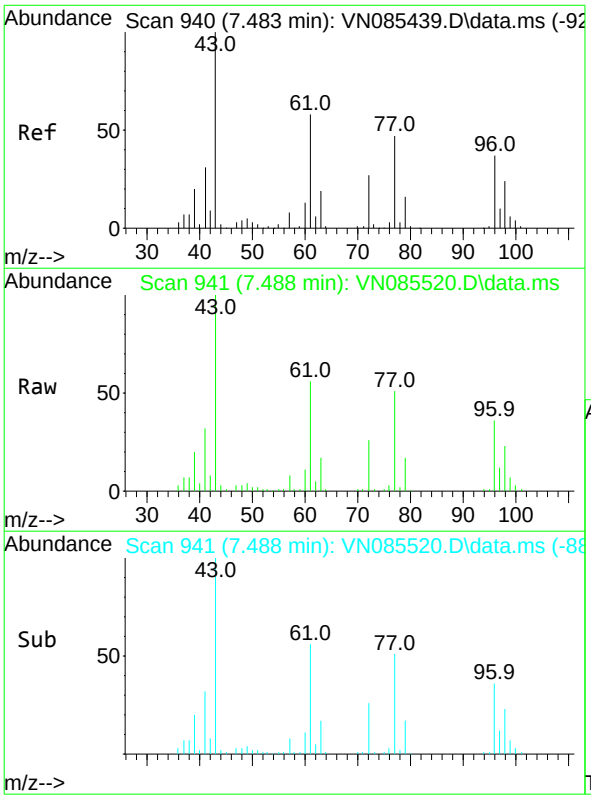
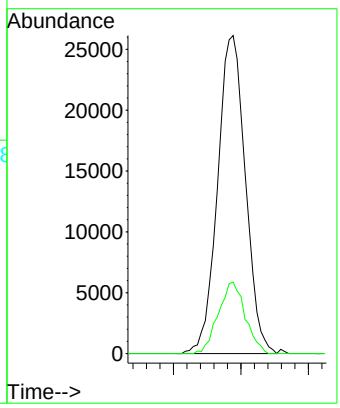


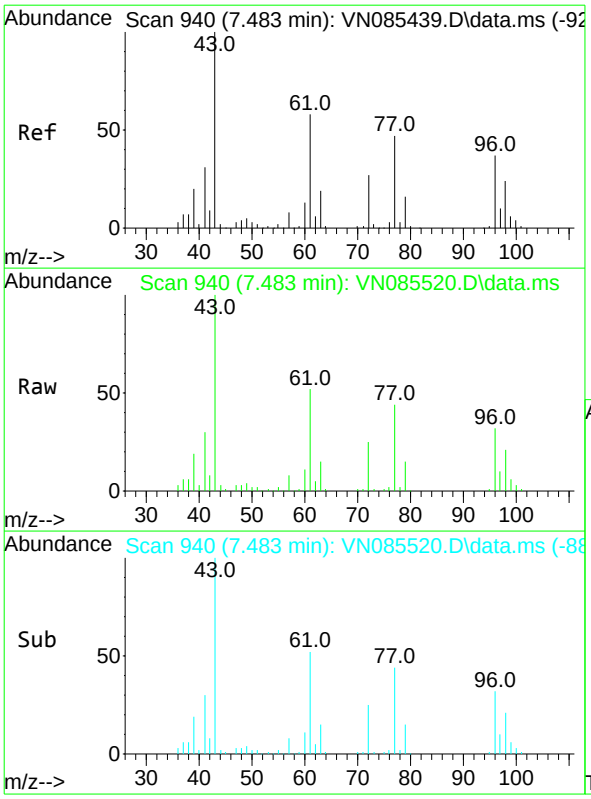


#26
2,2-Dichloropropane
Concen: 19.490 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 77 Resp: 74832

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 17.741 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 96 Resp: 48290

Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	311.8
98	67.2	0.0	126.0

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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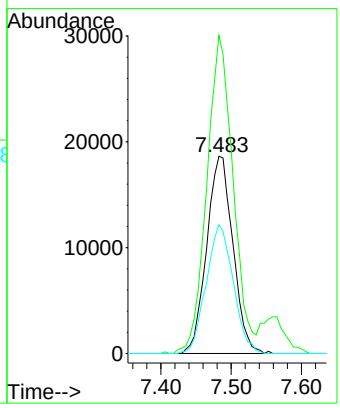
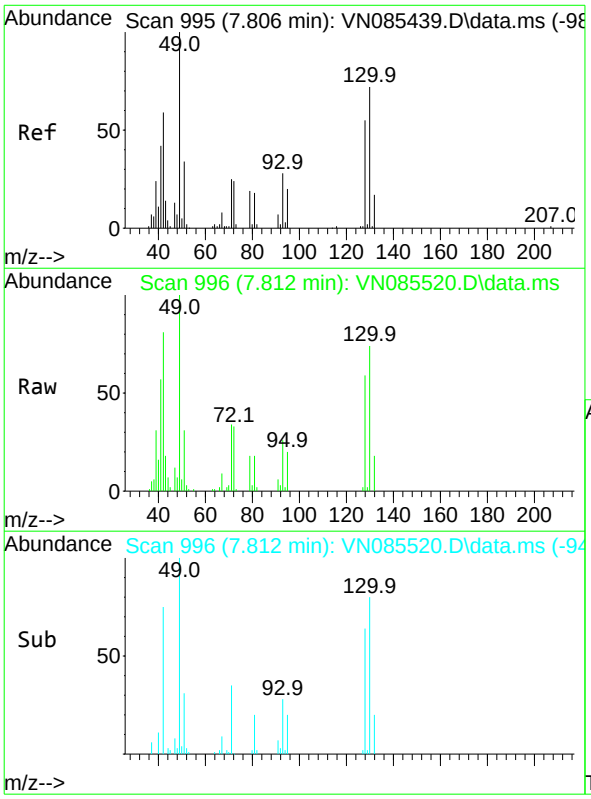
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

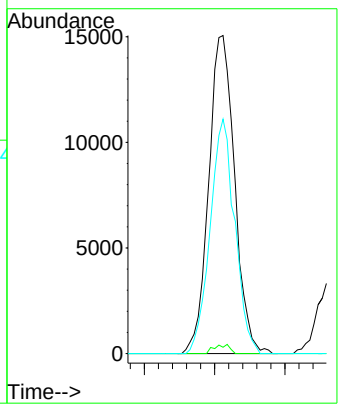


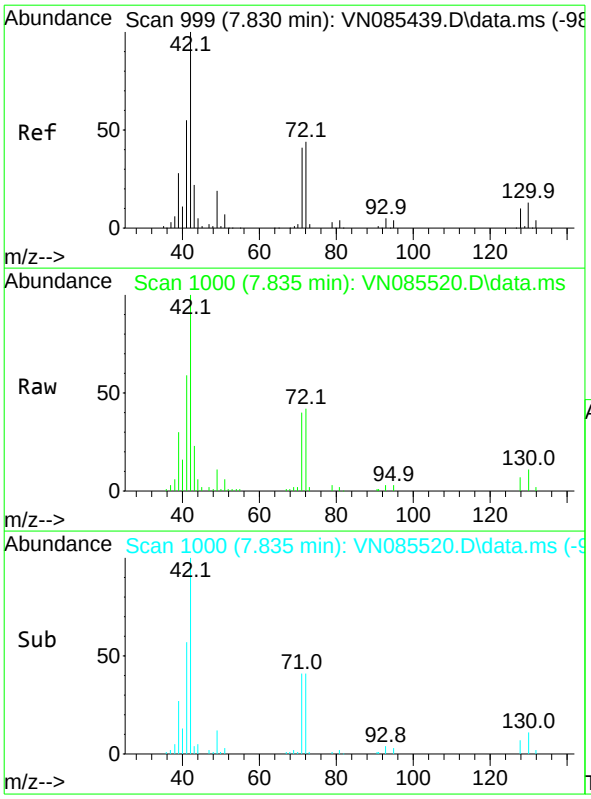


#28
Bromochloromethane
Concen: 17.461 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 49 Resp: 38579

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.4
130	70.2	55.0	82.4

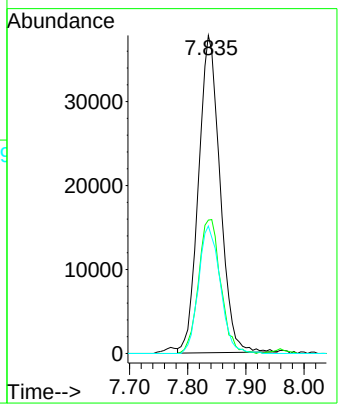




#29
Tetrahydrofuran
Concen: 99.134 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 42 Resp: 97200

Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.2	51.2
71	40.5	32.5	48.7



Instrument :
MSVOA_N
ClientSampleId :
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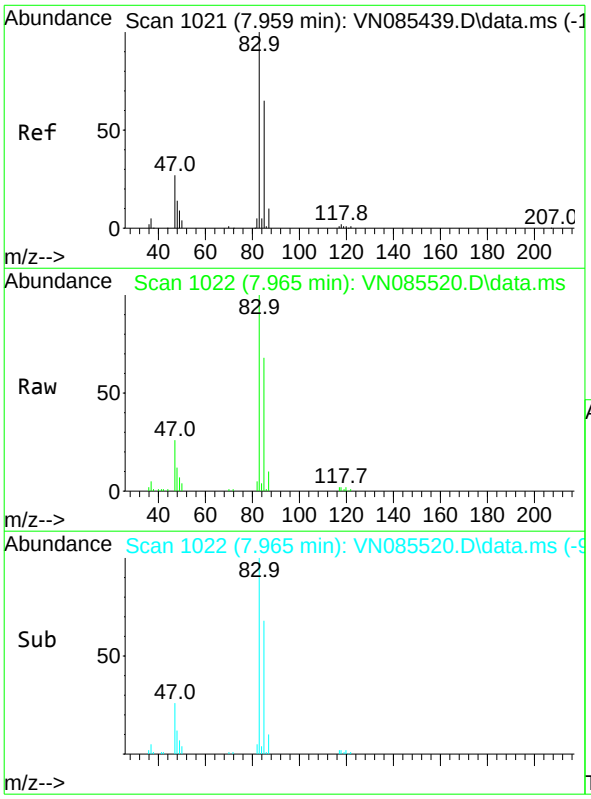
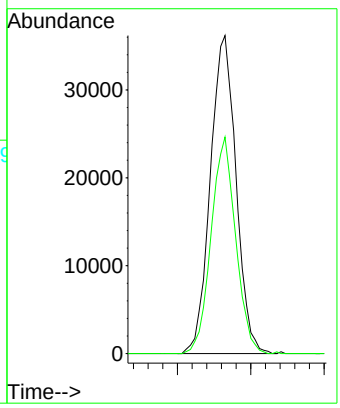
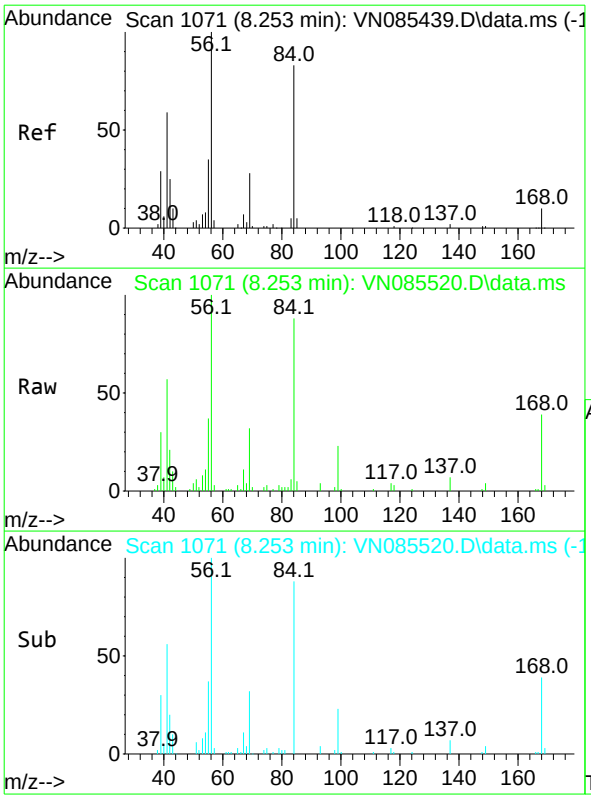


#30
Chloroform
Concen: 17.925 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 83 Resp: 87982

Ion	Ratio	Lower	Upper
83	100		
85	68.1	51.8	77.6

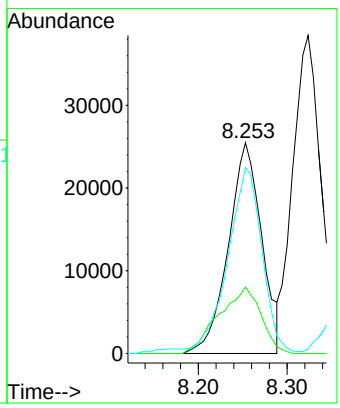




#31
Cyclohexane
Concen: 16.096 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 56 Resp: 66438

Ion	Ratio	Lower	Upper
56	100		
69	31.6	22.2	33.4
84	86.2	66.4	99.6



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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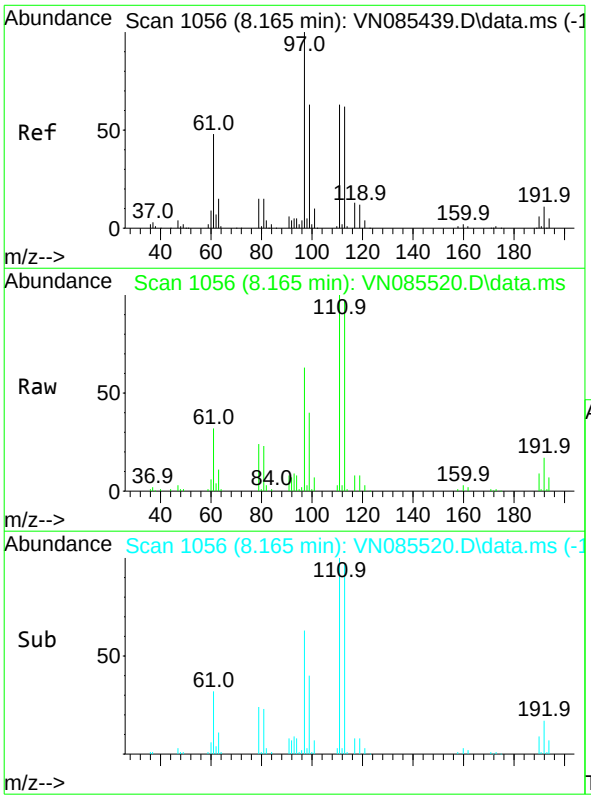
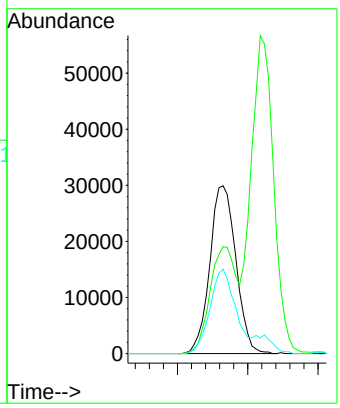
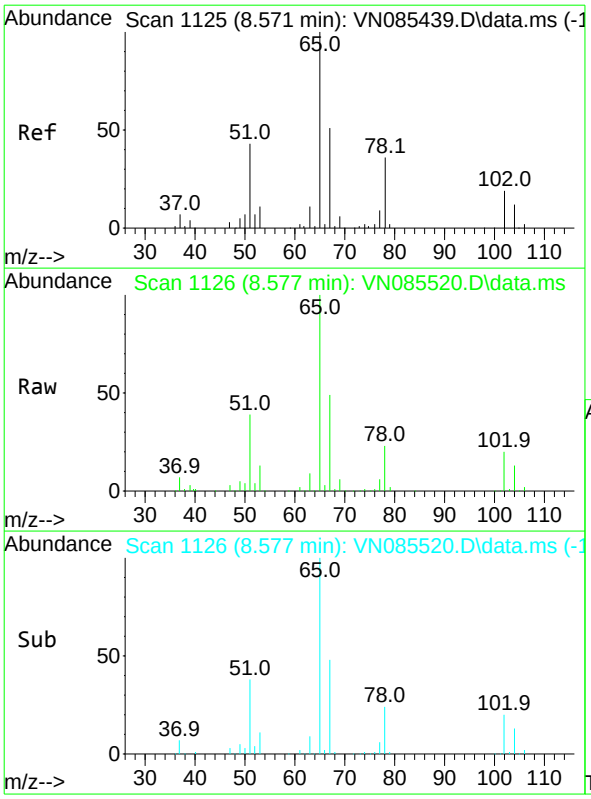


#32
1,1,1-Trichloroethane
Concen: 17.920 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 97 Resp: 77155

Ion	Ratio	Lower	Upper
97	100		
99	64.6	49.8	74.6
61	50.0	41.4	62.2

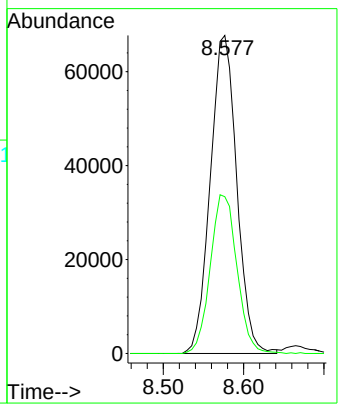




#33
1,2-Dichloroethane-d4
Concen: 47.644 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 65 Resp: 154960

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	101.6



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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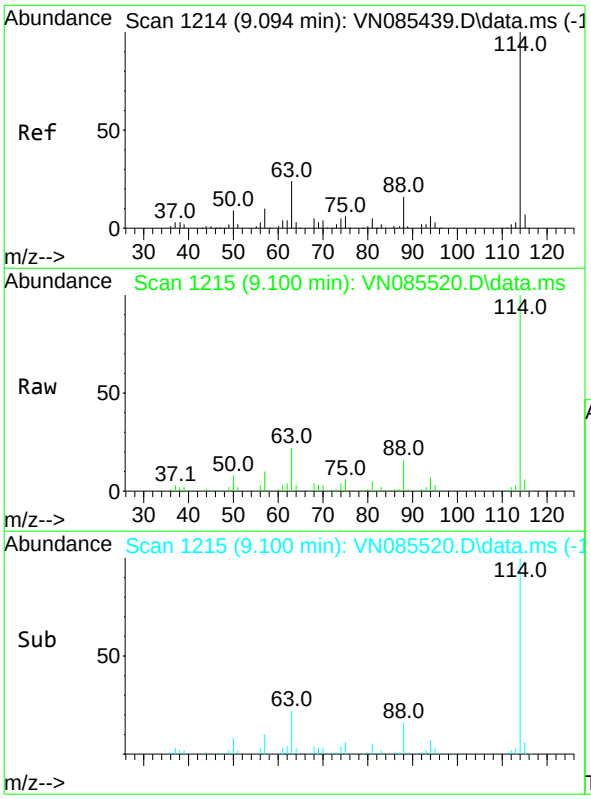
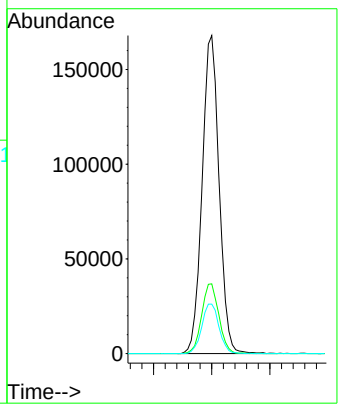
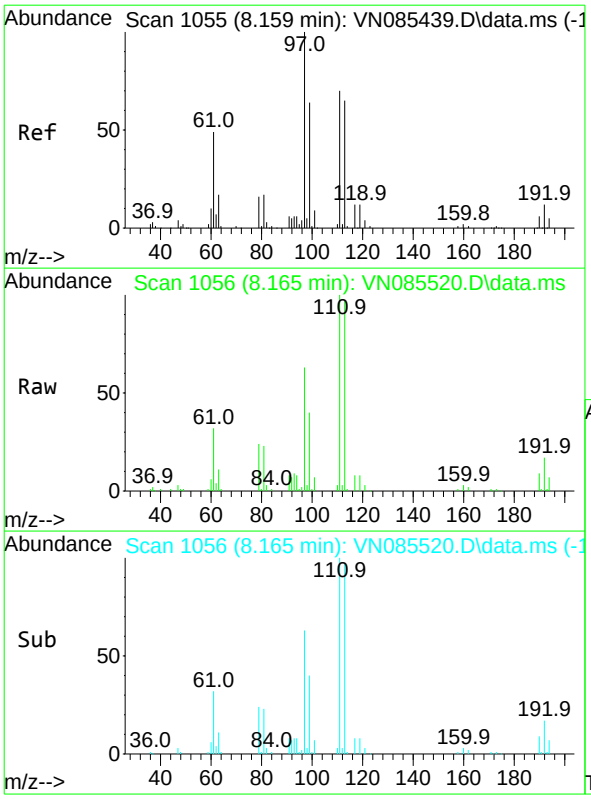


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:114 Resp: 340191

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	47.6
88	15.5	0.0	32.6





#35
Dibromofluoromethane
Concen: 47.966 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tgt Ion:113 Resp: 113203

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.7	124.1
192	17.5	14.3	21.5

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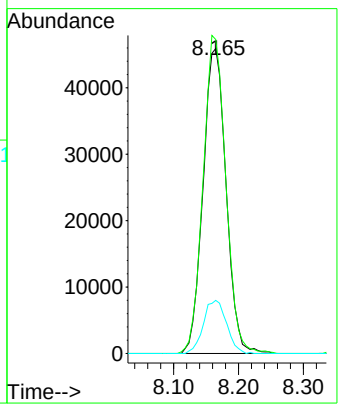
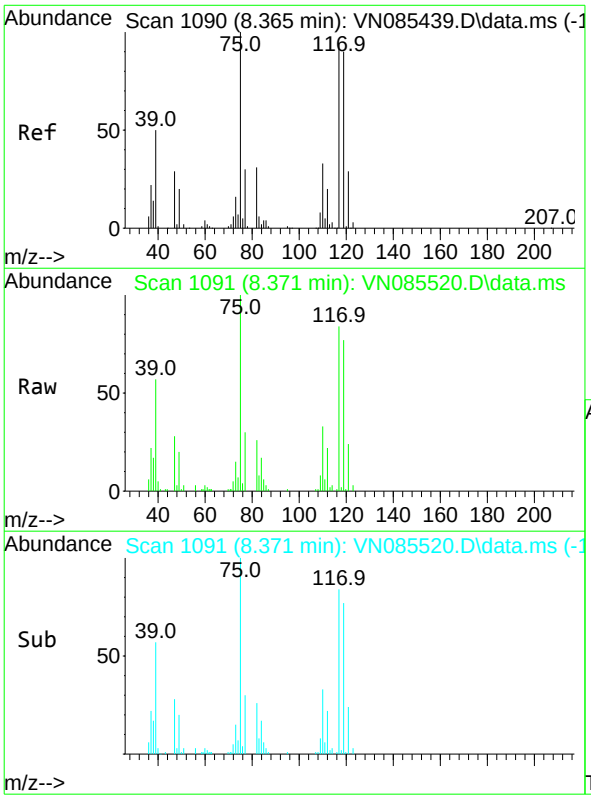
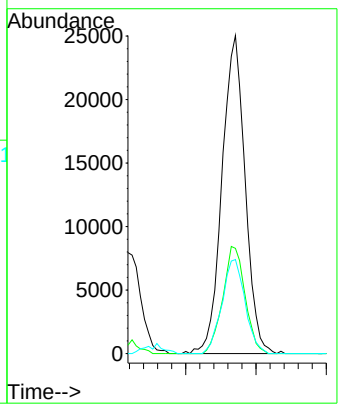


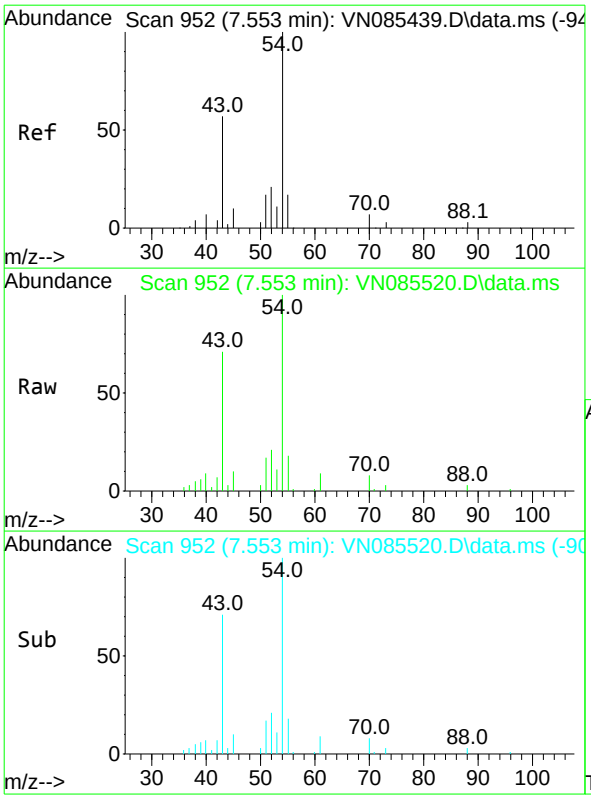


#36
1,1-Dichloropropene
Concen: 17.249 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 75 Resp: 57133

Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.5	49.5
77	29.7	24.4	36.6





#37
Ethyl Acetate
Concen: 18.528 ug/l
RT: 7.553 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 43 Resp: 61946

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.9	16.3
70	10.1	7.5	11.3

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Manual Integrations APPROVED

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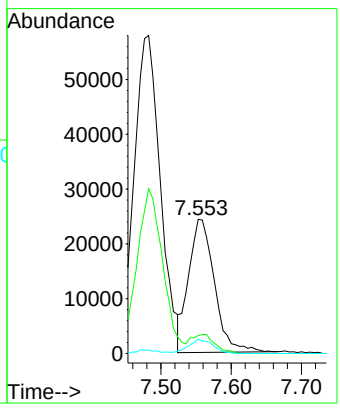
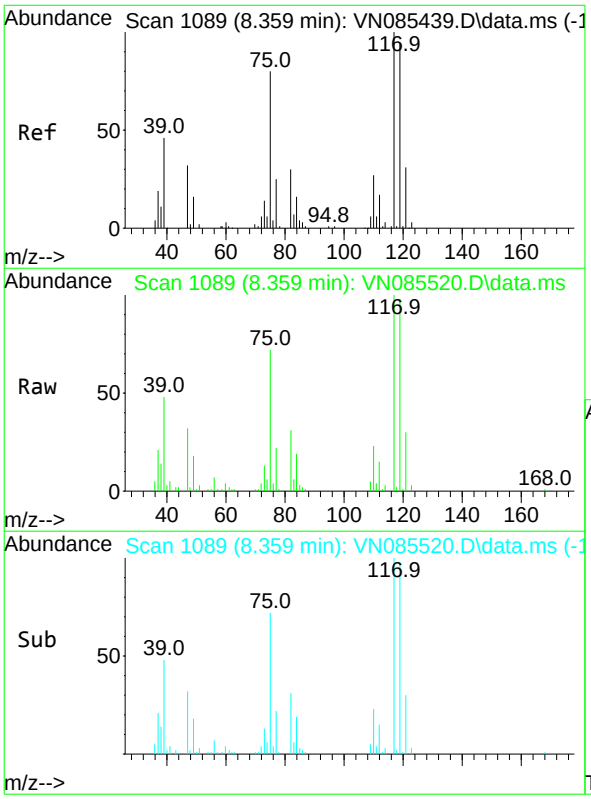
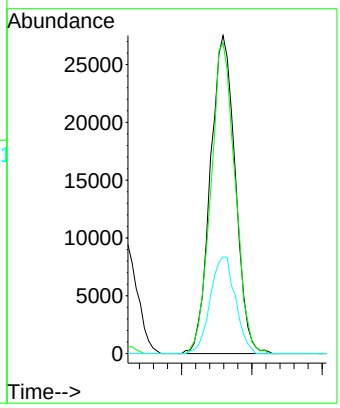




#38
Carbon Tetrachloride
Concen: 17.801 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:117 Resp: 67504

Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.4	113.2
121	30.4	24.6	37.0



5

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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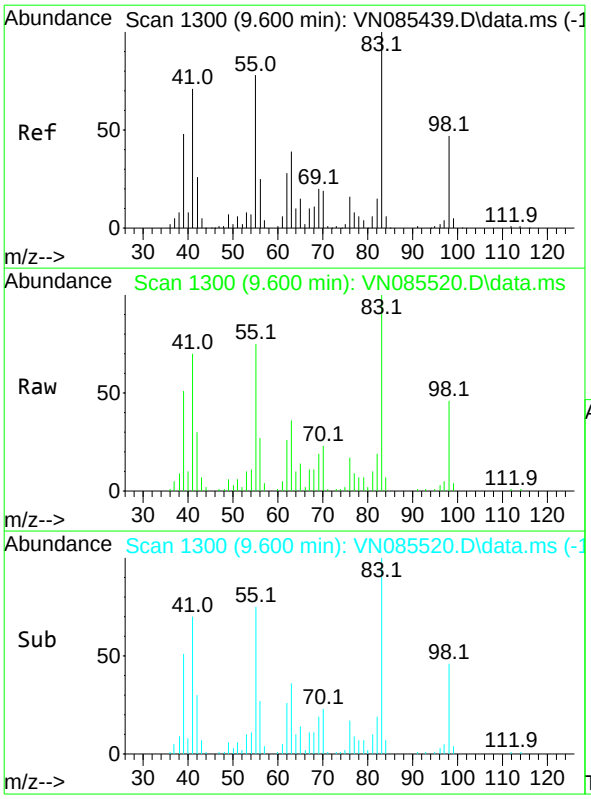
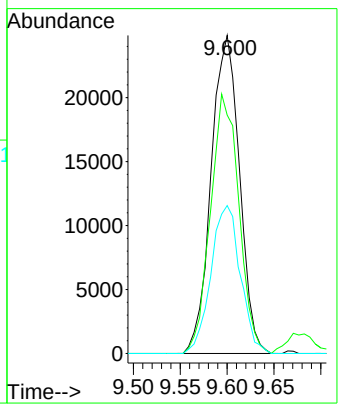
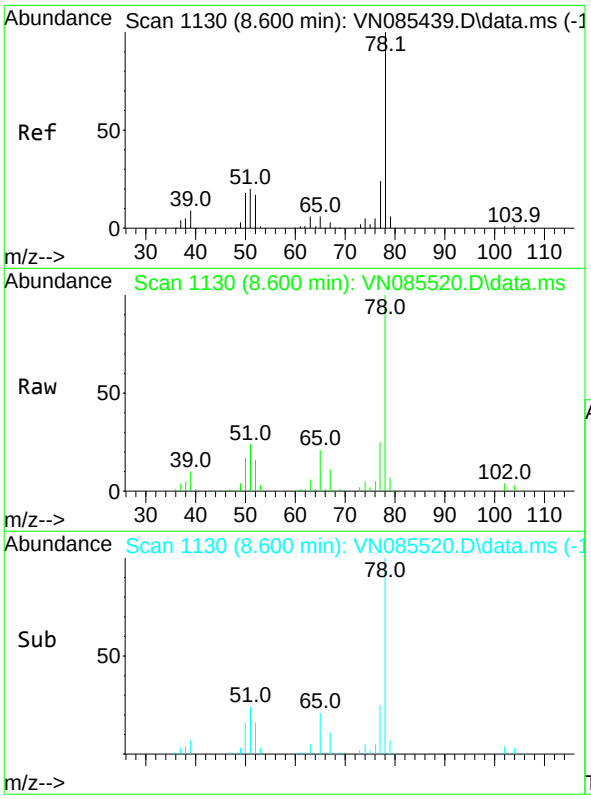


#39
Methylcyclohexane
Concen: 16.801 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 83 Resp: 52296

Ion	Ratio	Lower	Upper
83	100		
55	75.0	62.6	94.0
98	46.5	37.7	56.5

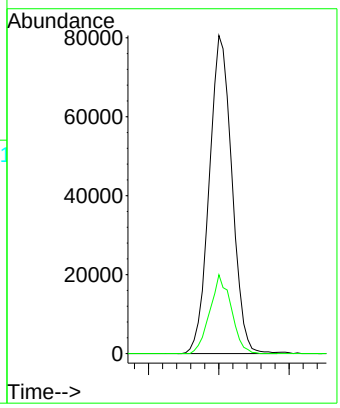


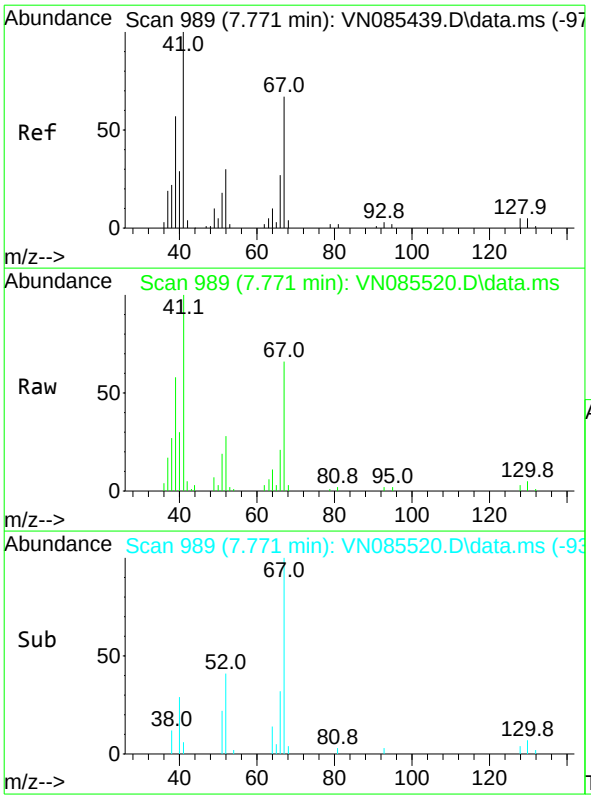


#40
Benzene
Concen: 18.157 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 78 Resp: 180711

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.6

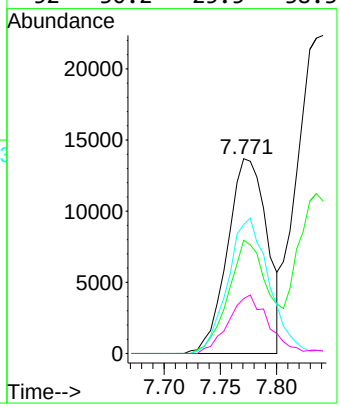




#41
Methacrylonitrile
Concen: 19.371 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 41 Resp: 33694

Ion	Ratio	Lower	Upper
41	100		
39	59.3	46.0	69.0
67	72.0	57.4	86.2
52	30.2	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
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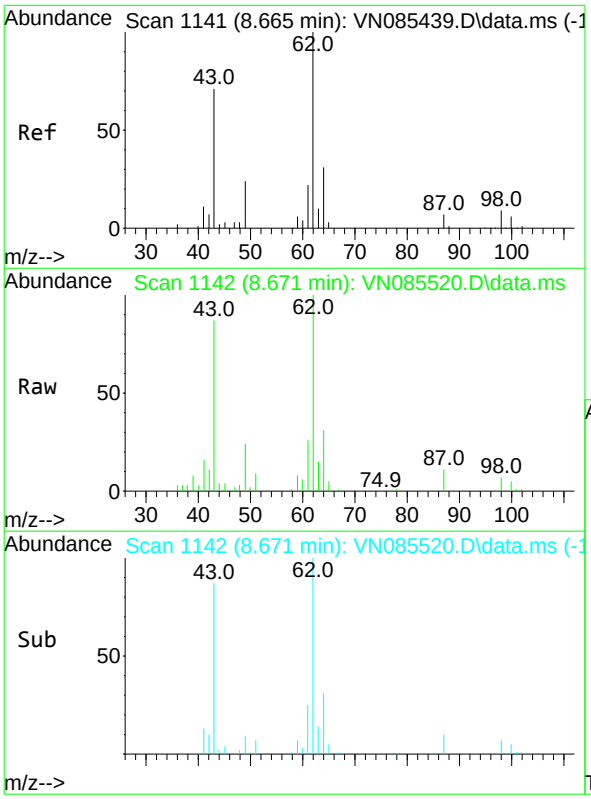
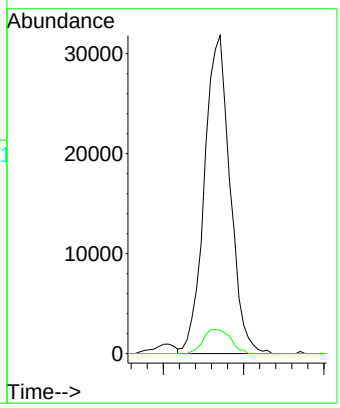
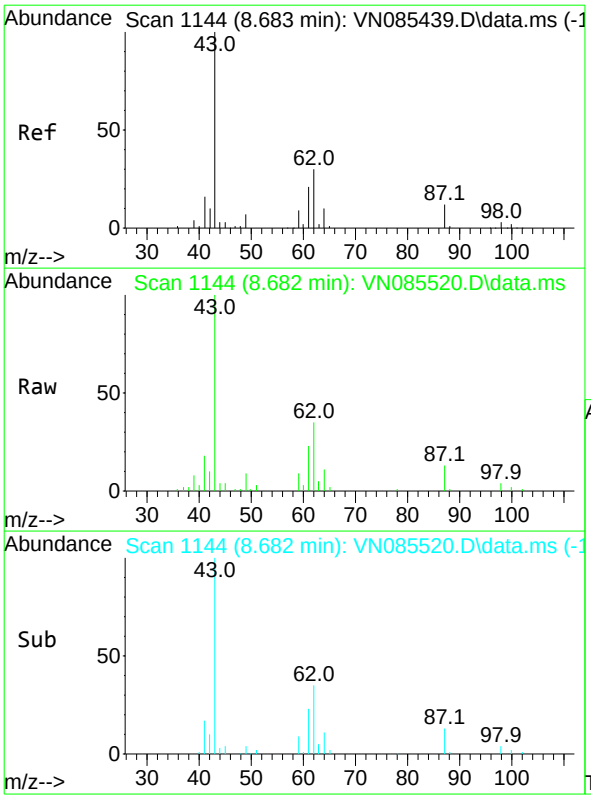


#42
1,2-Dichloroethane
Concen: 18.807 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 62 Resp: 70495

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.0

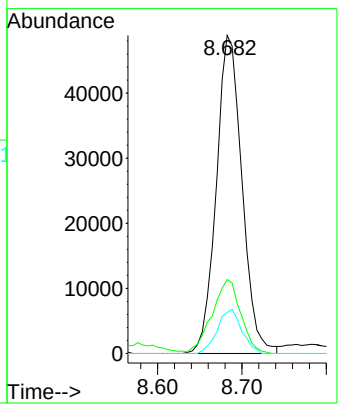




#43
Isopropyl Acetate
Concen: 19.333 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 43 Resp: 103570

Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.7	31.1
87	13.1	9.8	14.8



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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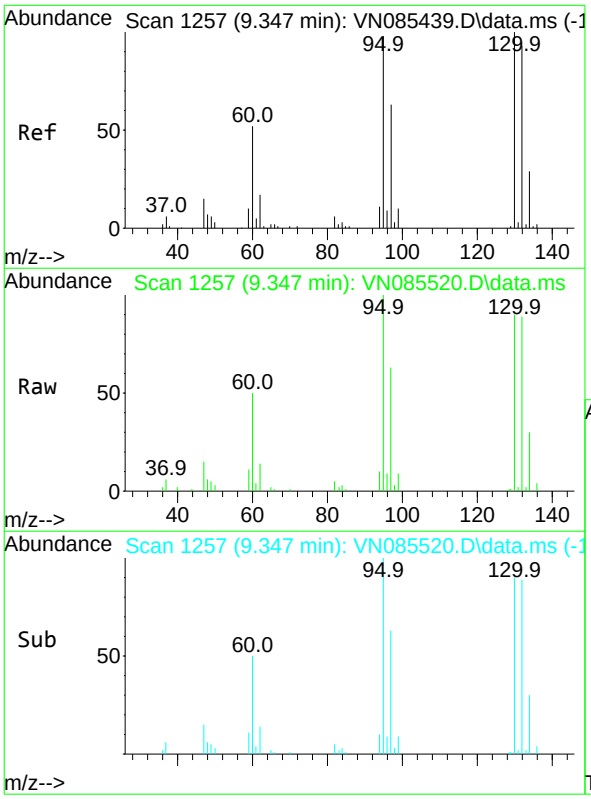
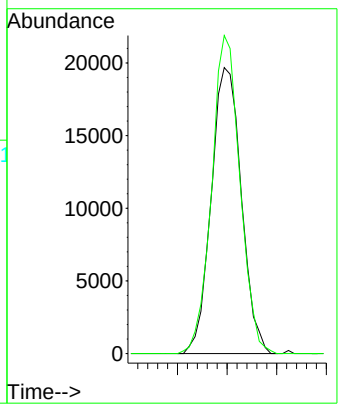
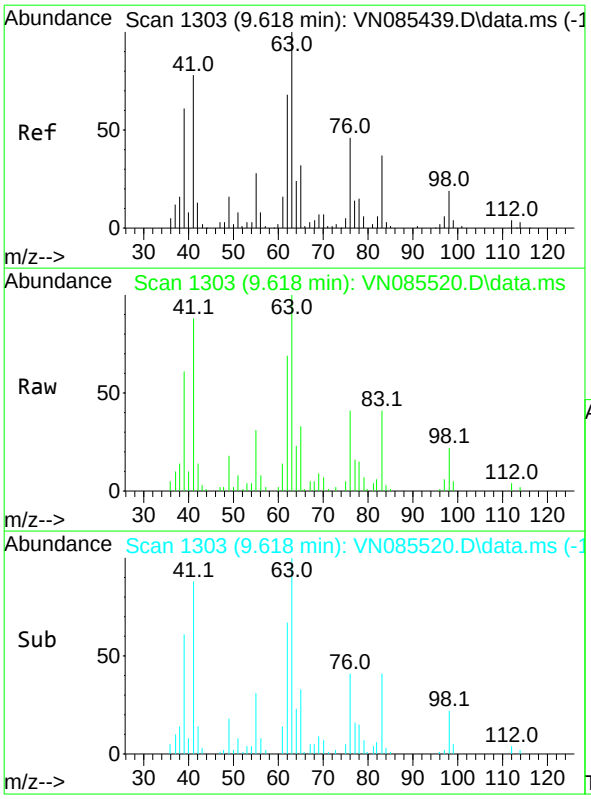


#44
Trichloroethene
Concen: 17.908 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:130 Resp: 41488

Ion	Ratio	Lower	Upper
130	100		
95	111.2	0.0	195.8

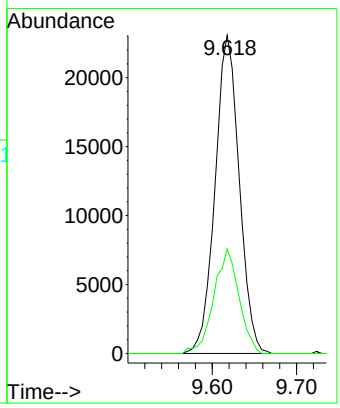




#45
1,2-Dichloropropane
Concen: 18.074 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 63 Resp: 45946

Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
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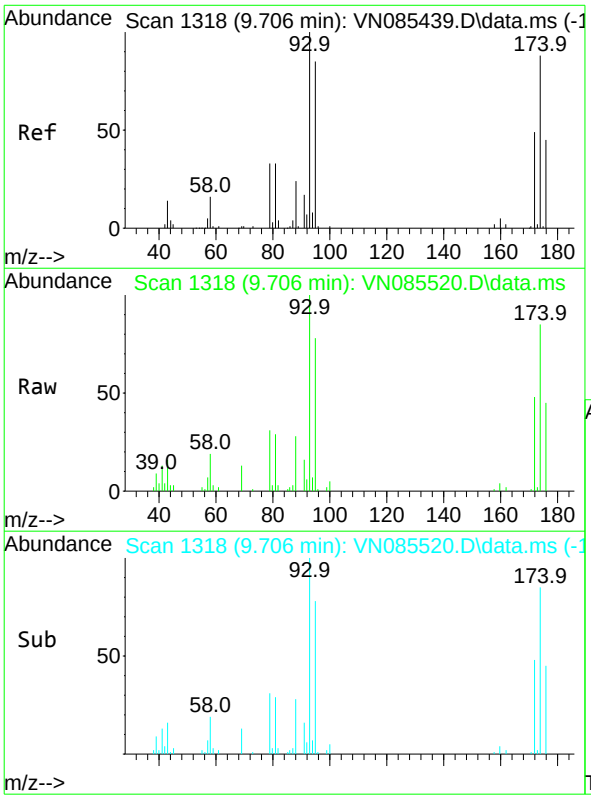
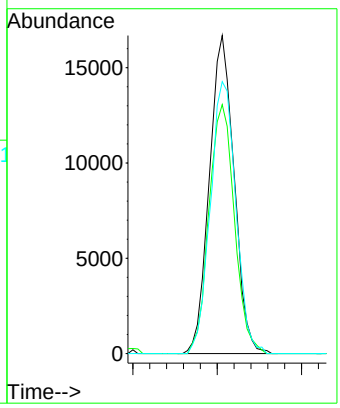
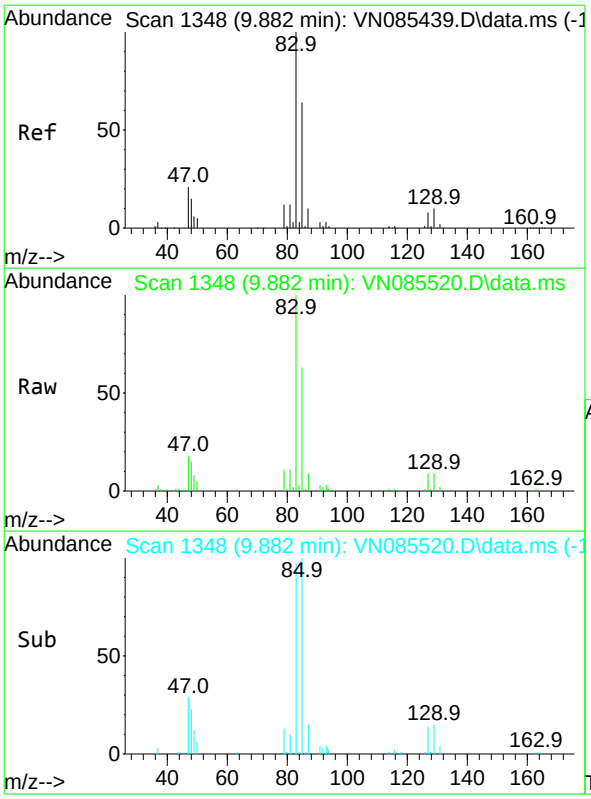


#46
Dibromomethane
Concen: 18.515 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 93 Resp: 33962

Ion	Ratio	Lower	Upper
93	100		
95	80.5	64.7	97.1
174	88.2	69.0	103.4





#47
Bromodichloromethane
Concen: 19.172 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 83 Resp: 71647

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.2	76.8
127	9.2	6.5	9.7

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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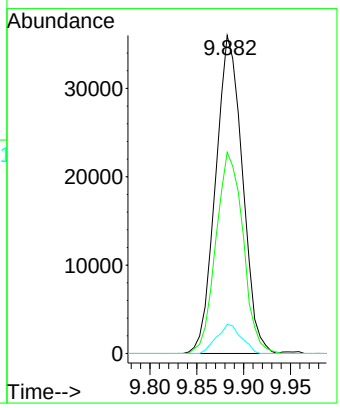
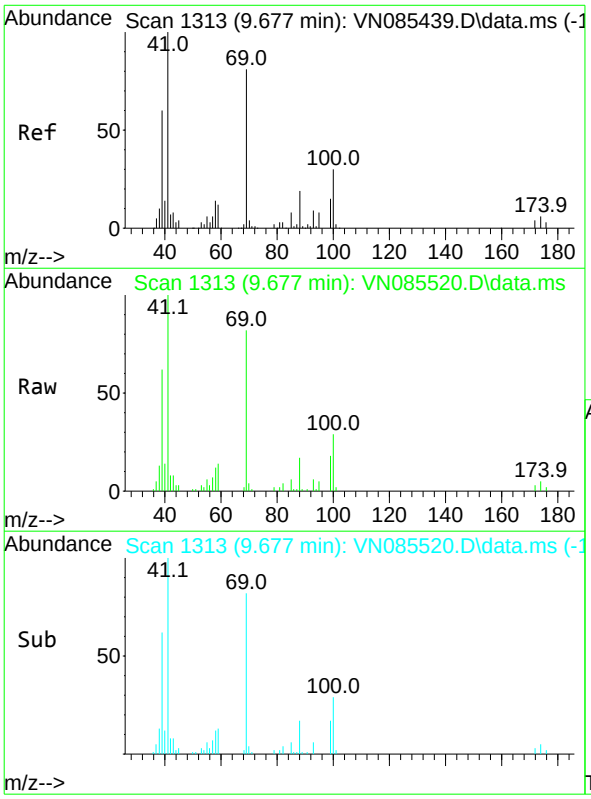
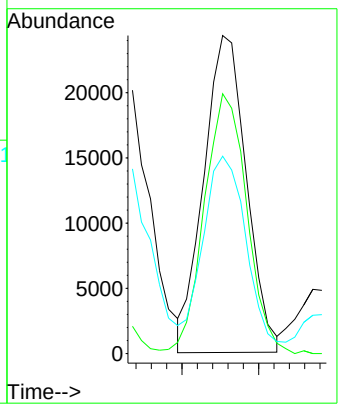


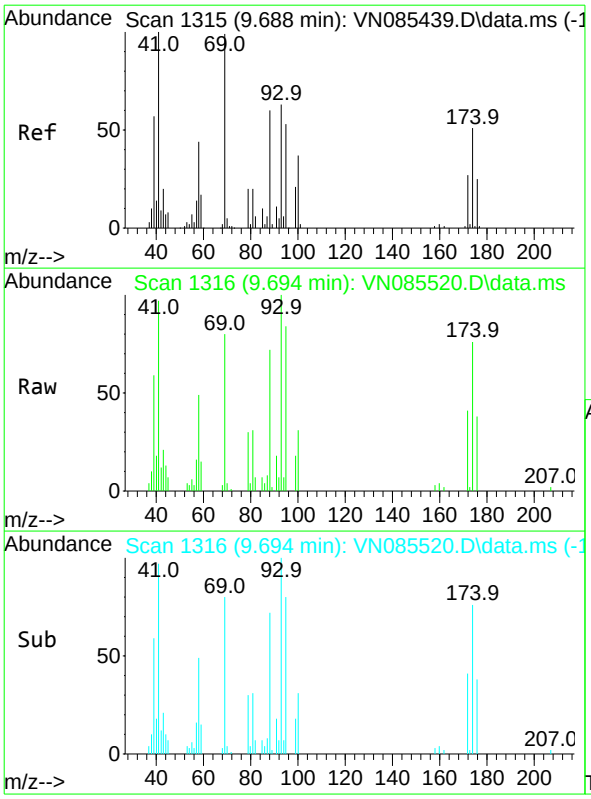


#48
Methyl methacrylate
Concen: 19.457 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 41 Resp: 46908

Ion	Ratio	Lower	Upper
41	100		
69	82.0	64.7	97.1
39	64.8	49.0	73.6

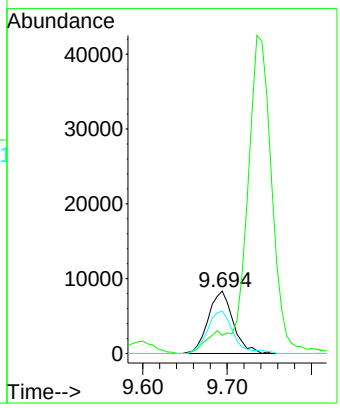




#49
1,4-Dioxane
Concen: 420.559 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 88 Resp: 17074

Ion	Ratio	Lower	Upper
88	100		
43	24.9	26.6	39.8#
58	71.3	59.5	89.3



Instrument :
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ClientSampleId :
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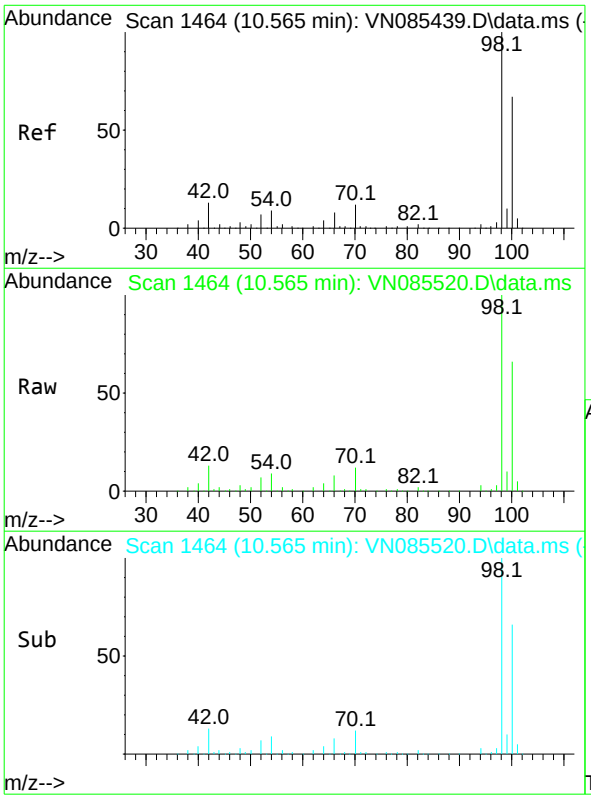
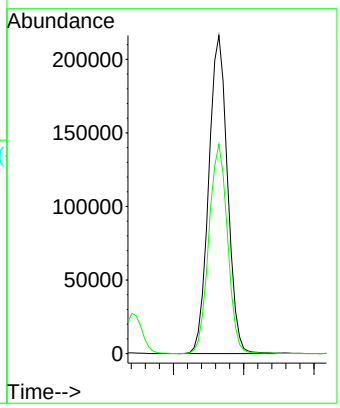


#50
Toluene-d8
Concen: 47.828 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 98 Resp: 401058

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.4



5

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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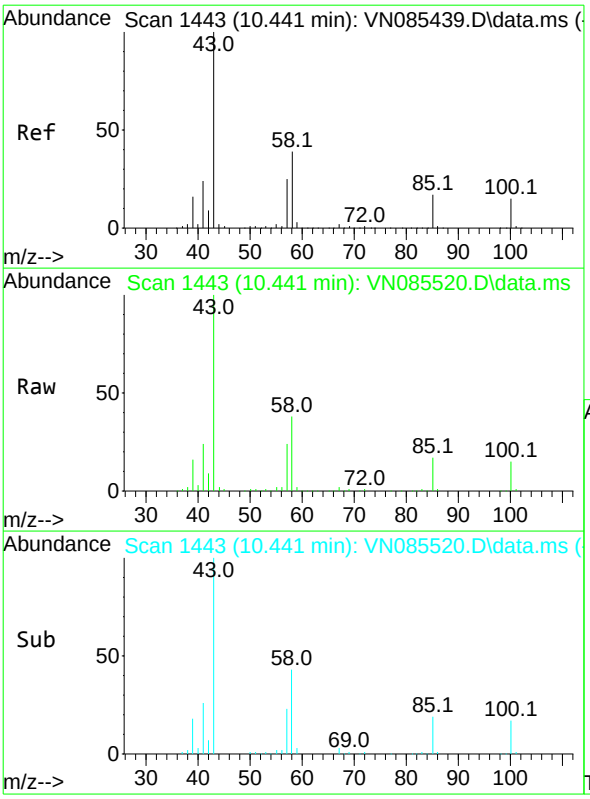
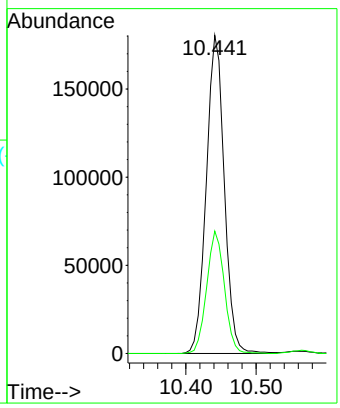
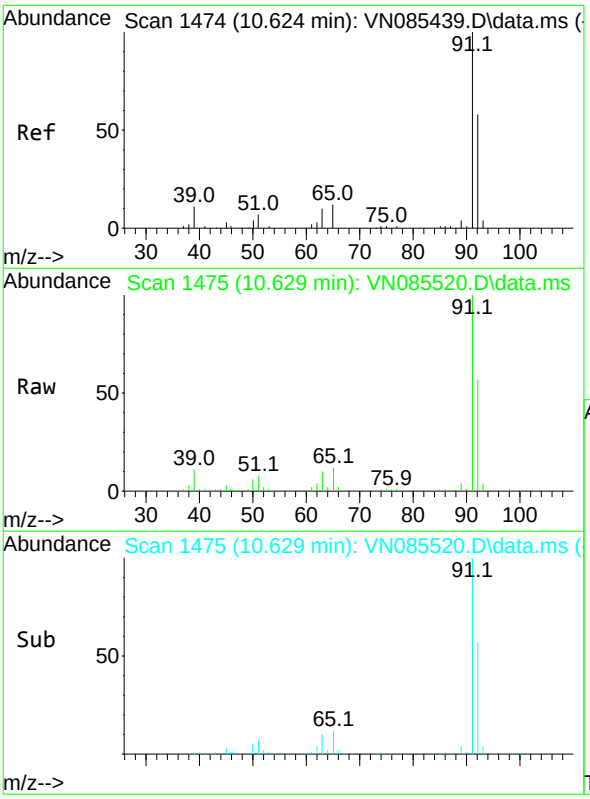


#51
4-Methyl-2-Pentanone
Concen: 103.202 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 43 Resp: 320825

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.5	45.7

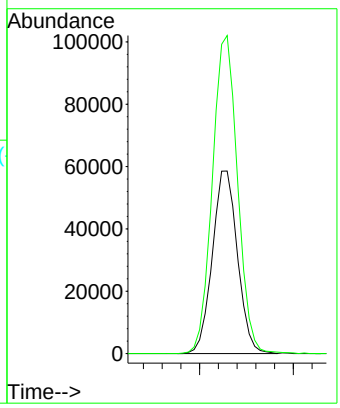


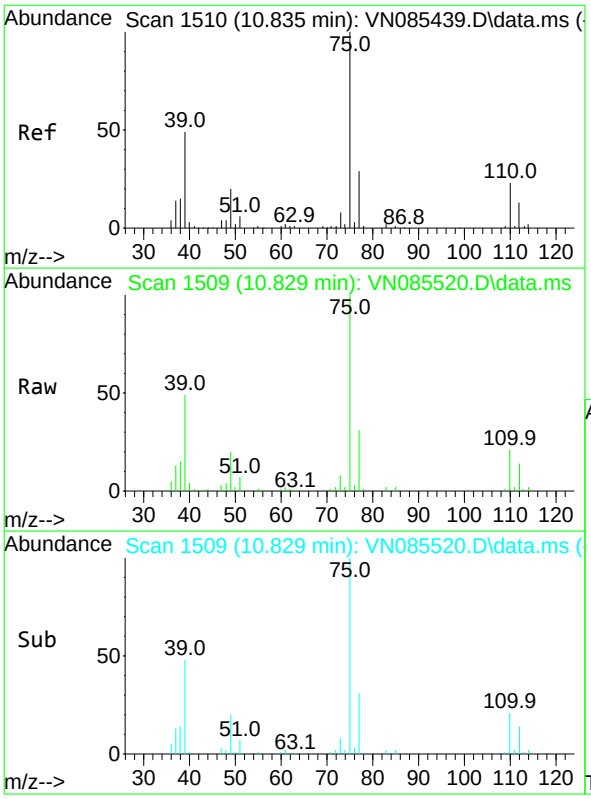


#52
Toluene
Concen: 18.925 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 92 Resp: 109132

Ion	Ratio	Lower	Upper
92	100		
91	174.3	139.2	208.8

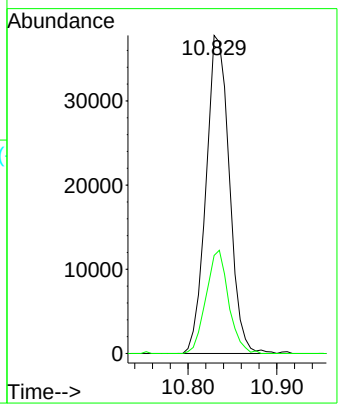




#53
t-1,3-Dichloropropene
Concen: 19.518 ug/l
RT: 10.829 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 75 Resp: 68929

Ion	Ratio	Lower	Upper
75	100		
77	30.8	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
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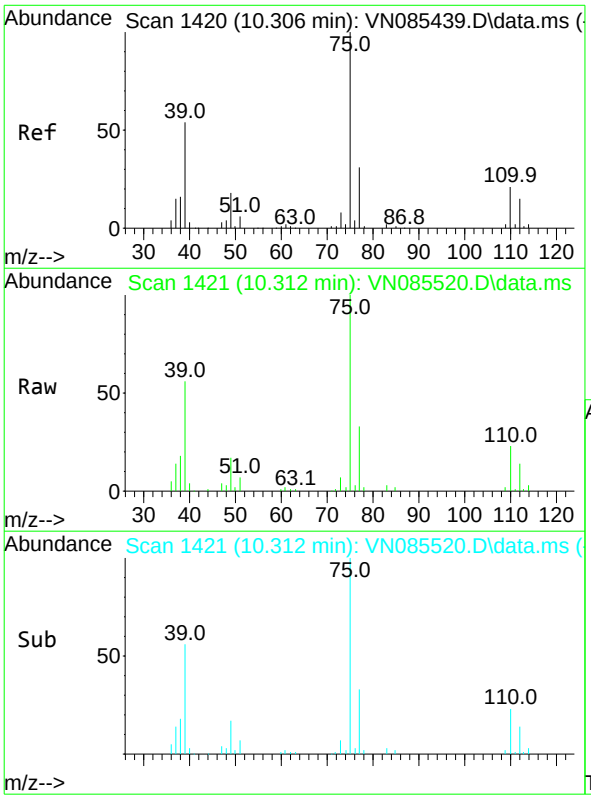
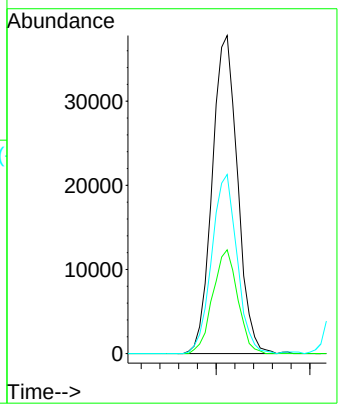
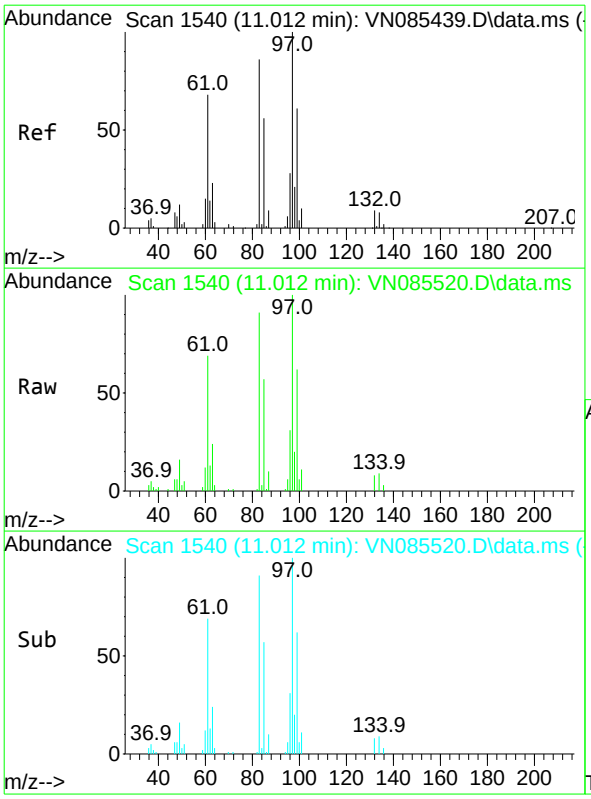


#54
cis-1,3-Dichloropropene
Concen: 18.857 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 75 Resp: 71135

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.4
39	56.3	43.1	64.7

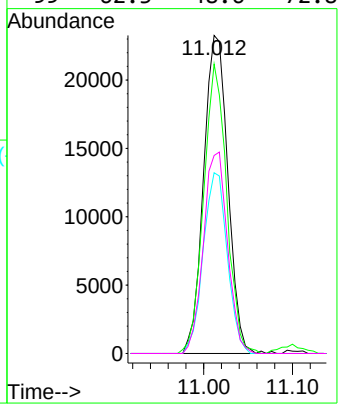




#55
1,1,2-Trichloroethane
Concen: 19.386 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 97 Resp: 44242

Ion	Ratio	Lower	Upper
97	100		
83	91.0	69.0	103.6
85	56.8	44.6	66.8
99	62.3	48.6	72.8



Instrument :
MSVOA_N
ClientSampleId :
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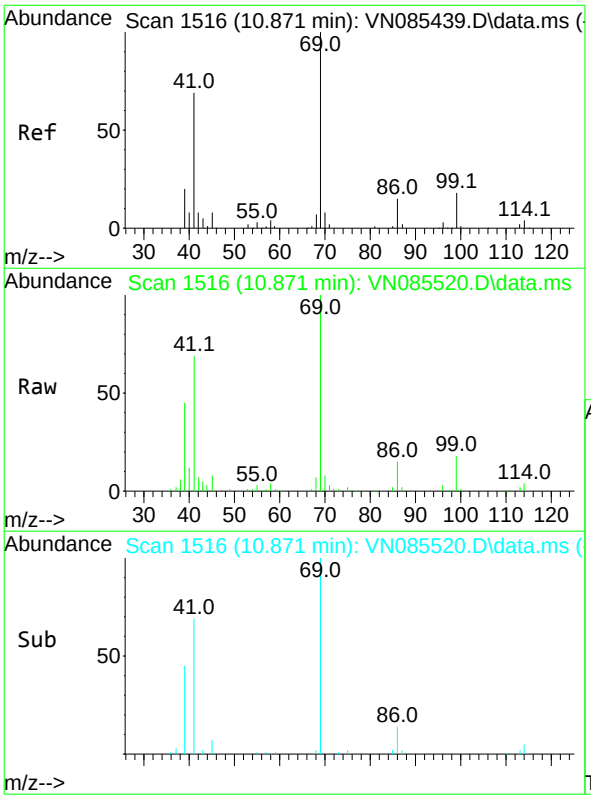
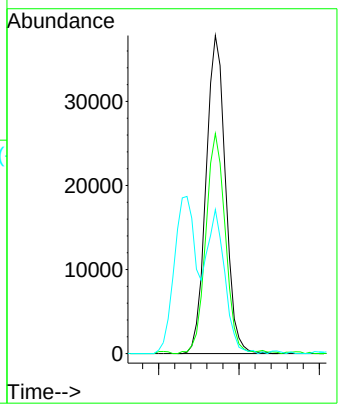
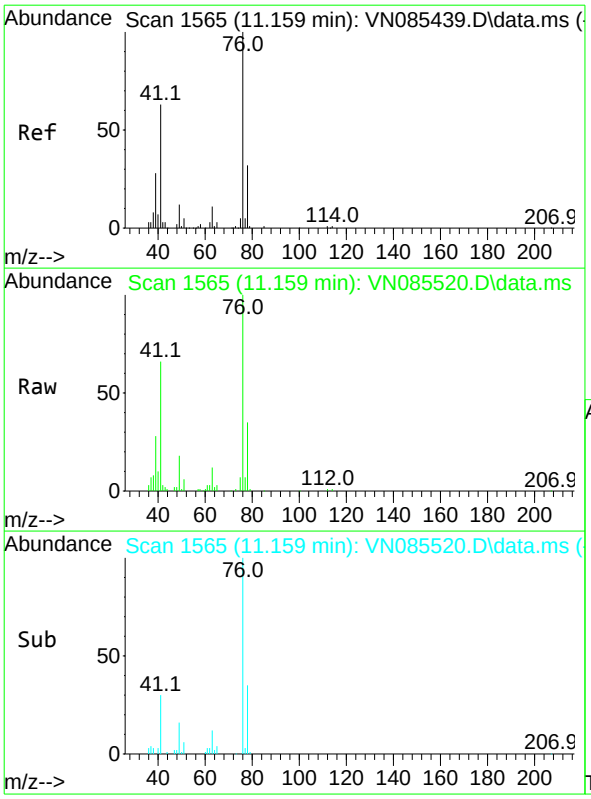


#56
Ethyl methacrylate
Concen: 17.842 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 69 Resp: 63624

Ion	Ratio	Lower	Upper
69	100		
41	69.3	54.6	82.0
39	41.8	32.4	48.6

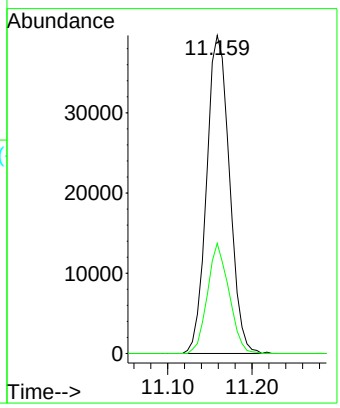




#57
1,3-Dichloropropane
Concen: 18.805 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 76 Resp: 74624

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.6	38.4



Instrument :
MSVOA_N
ClientSampleId :
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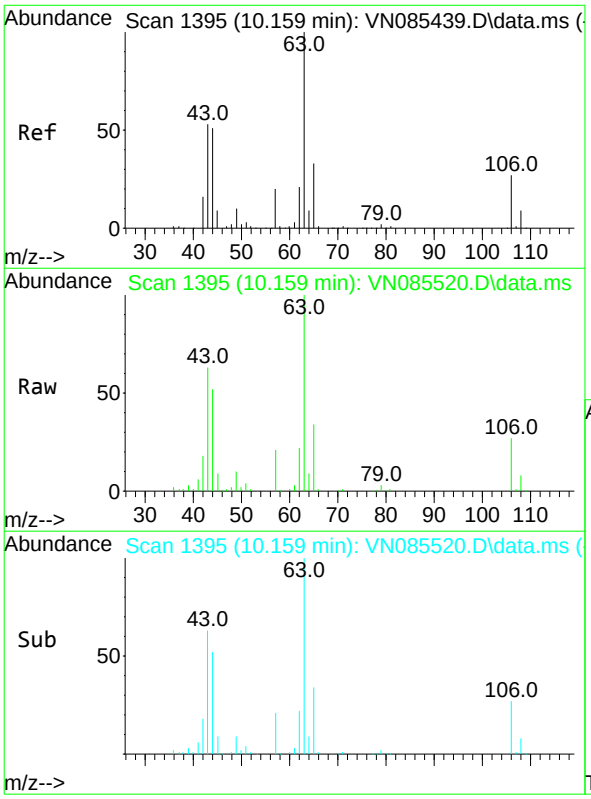
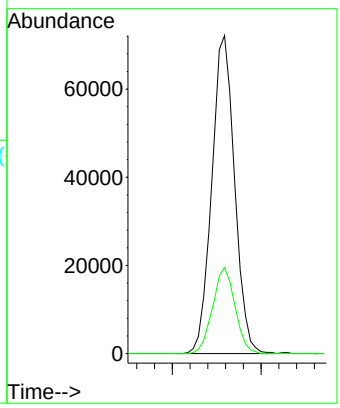
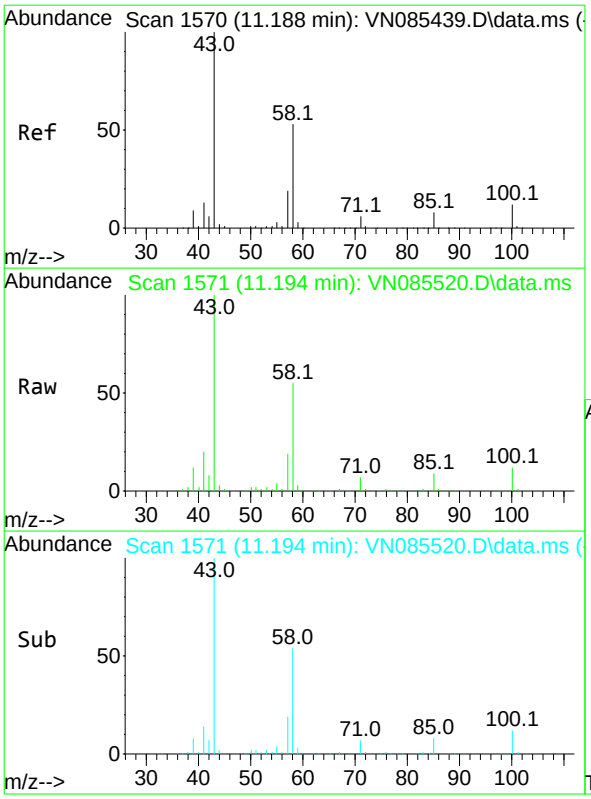


#58
2-Chloroethyl Vinyl ether
Concen: 88.832 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 63 Resp: 128650

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.6	32.4





#59
2-Hexanone
Concen: 104.275 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 43 Resp: 228088

Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.2	78.6

Instrument :
MSVOA_N
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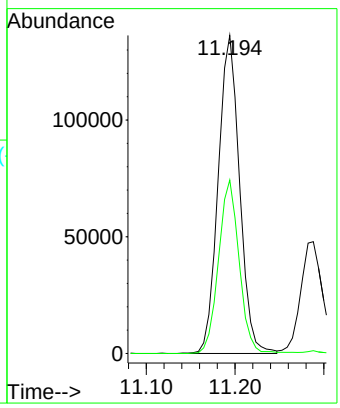
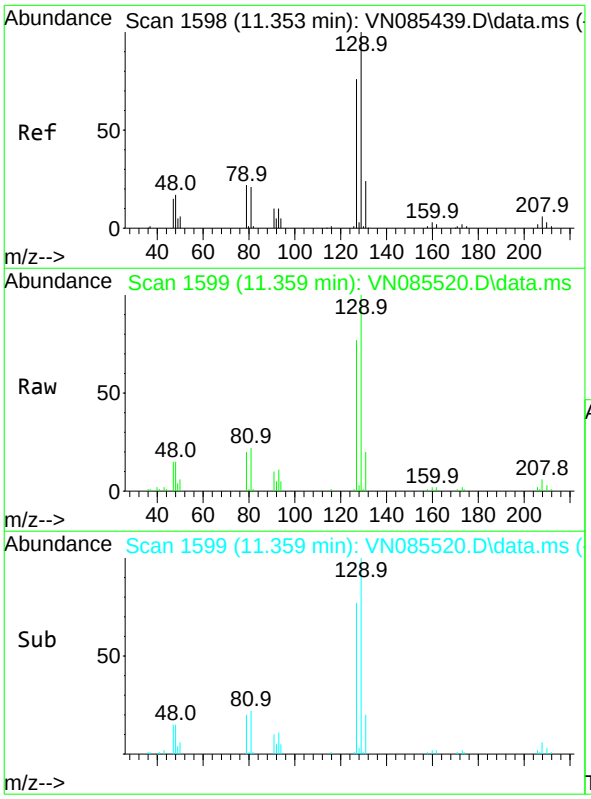
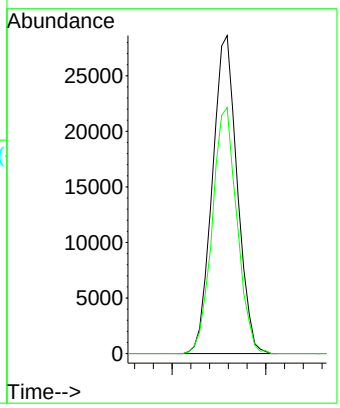


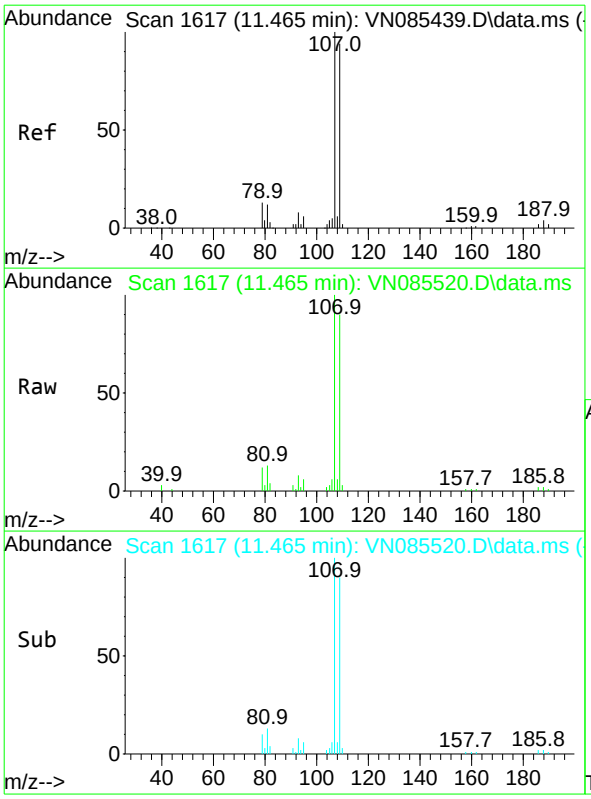


#60
Dibromochloromethane
Concen: 19.102 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:129 Resp: 52631

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.6	115.8





#61
1,2-Dibromoethane
Concen: 19.096 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:107 Resp: 43380

Ion	Ratio	Lower	Upper
107	100		
109	91.3	75.9	113.9

Instrument :
MSVOA_N
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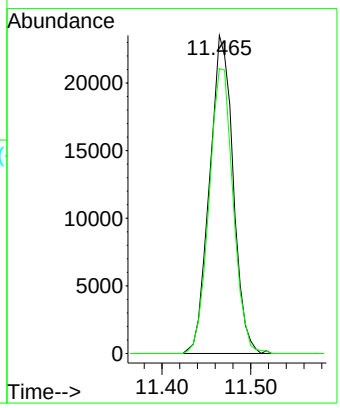
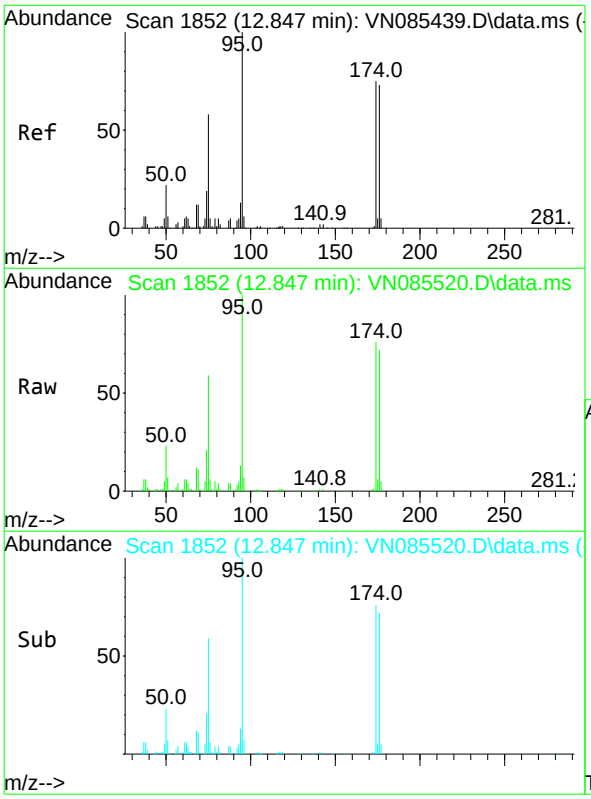
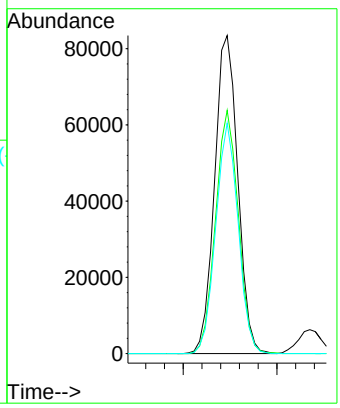


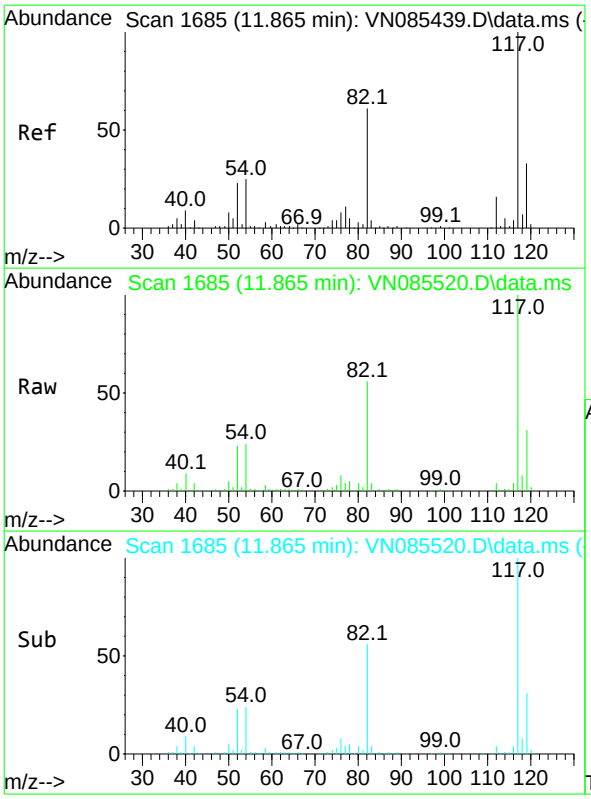


#62
4-Bromofluorobenzene
Concen: 50.029 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 95 Resp: 143504

Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	145.0
176	69.9	0.0	142.4

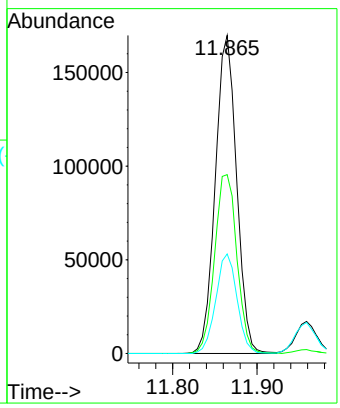




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:117 Resp: 297834

Ion	Ratio	Lower	Upper
117	100		
82	56.2	48.6	72.8
119	31.3	26.6	39.8



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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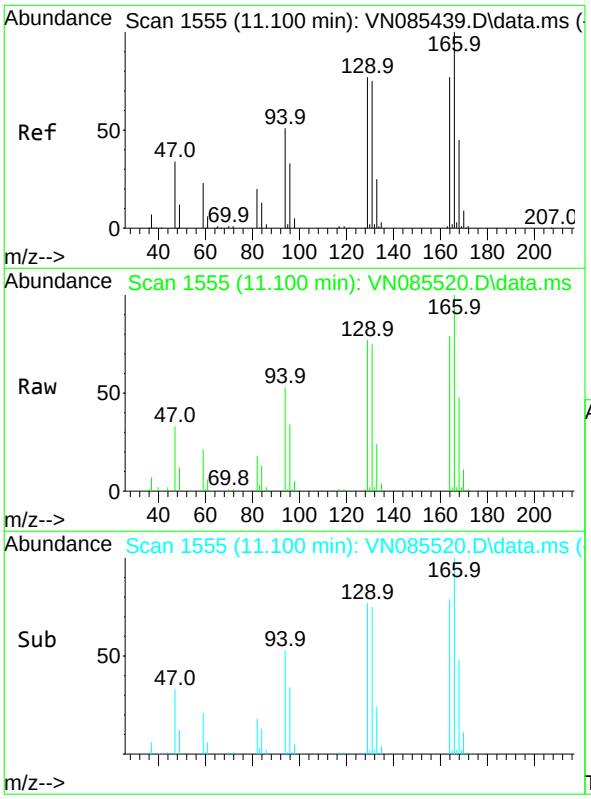
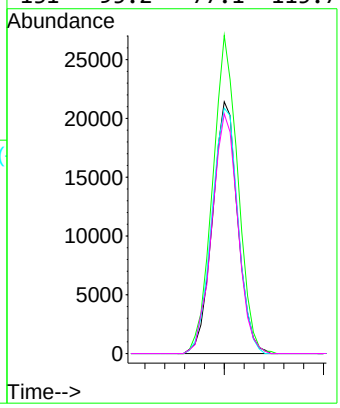
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

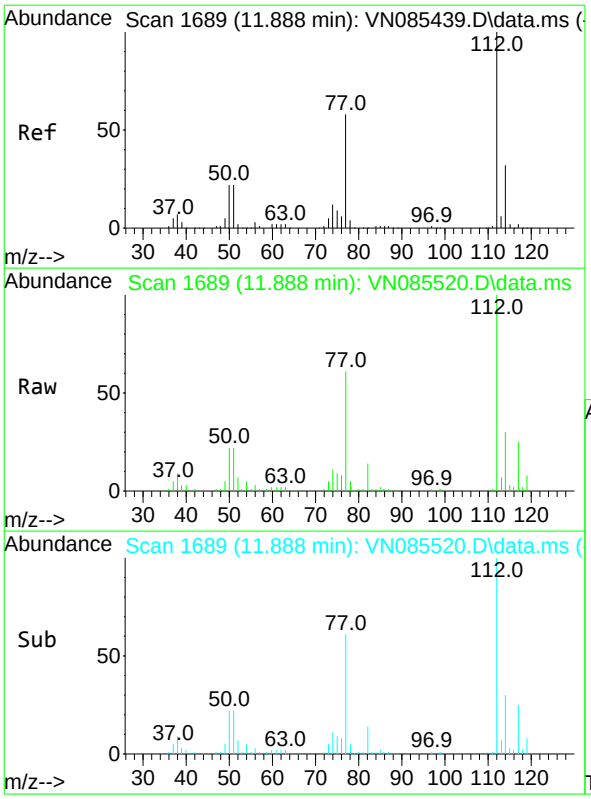


#64
Tetrachloroethene
Concen: 18.573 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:164 Resp: 37711

Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.4	155.2
129	97.5	79.2	118.8
131	95.2	77.1	115.7

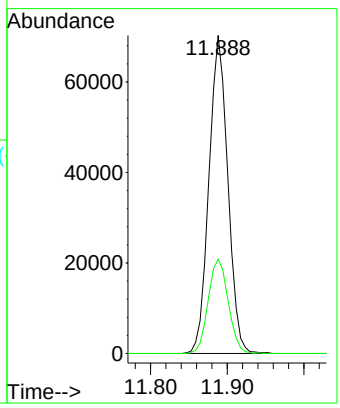




#65
Chlorobenzene
Concen: 18.399 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:112 Resp: 120046

Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.3	37.9



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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Reviewed By :John Carlone 01/28/2025
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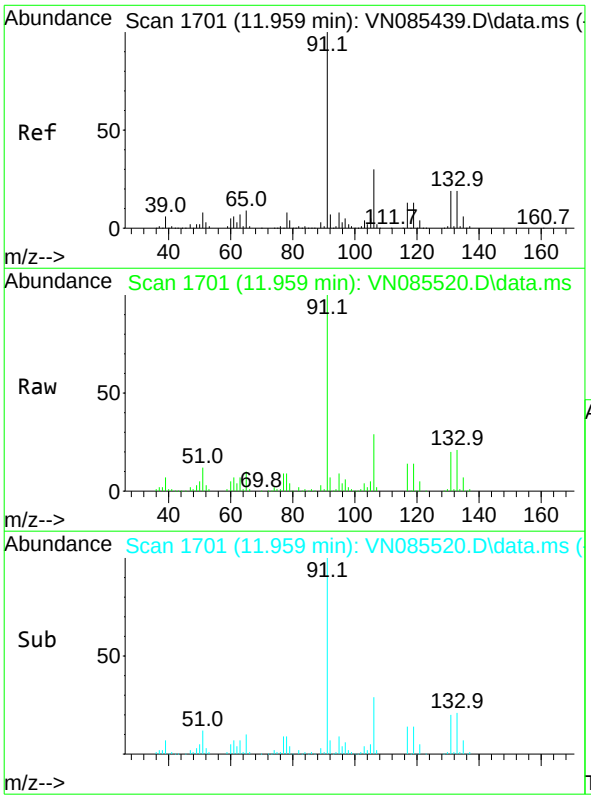
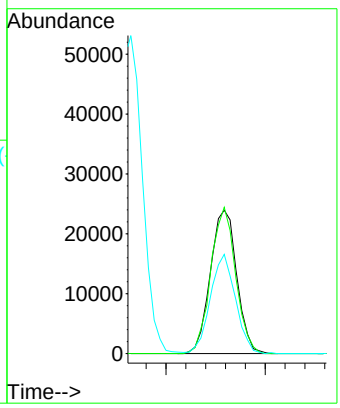
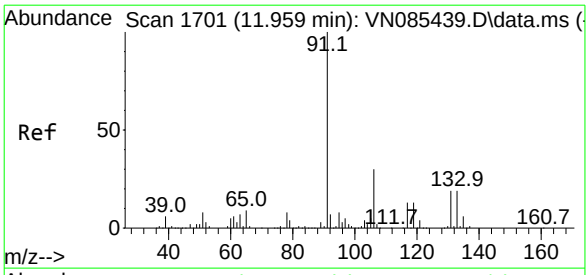


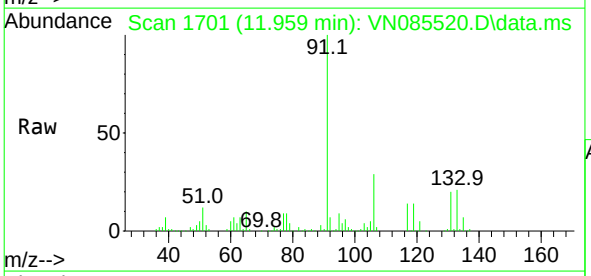
#66
1,1,1,2-Tetrachloroethane
Concen: 18.469 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

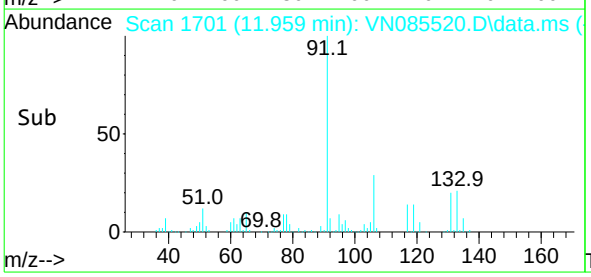
Tgt Ion:131 Resp: 44226

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.4	142.3
119	65.9	33.1	99.5





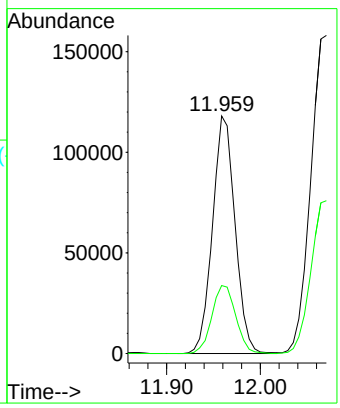




#67
Ethyl Benzene
Concen: 18.589 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 91 Resp: 197539

Ion	Ratio	Lower	Upper
91	100		
106	28.6	23.8	35.8



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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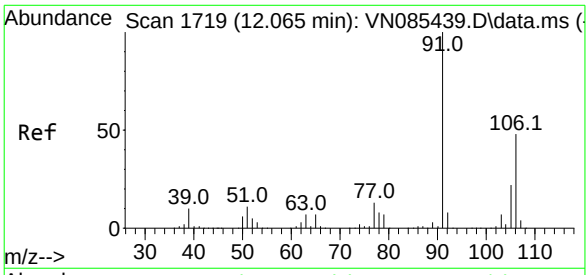
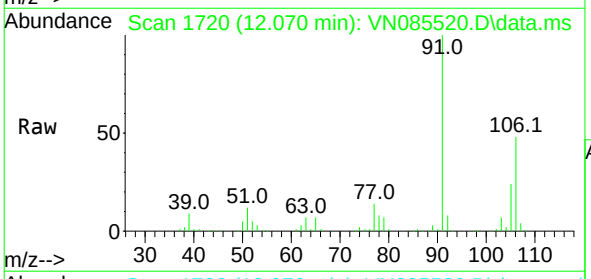
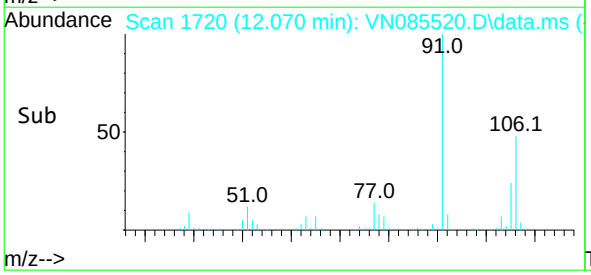


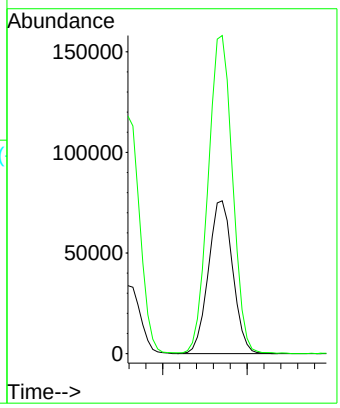




#68
m/p-Xylenes
Concen: 38.711 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:106 Resp: 152037

Ion	Ratio	Lower	Upper
106	100		
91	208.4	167.7	251.5



Instrument :
MSVOA_N
ClientSampleId :
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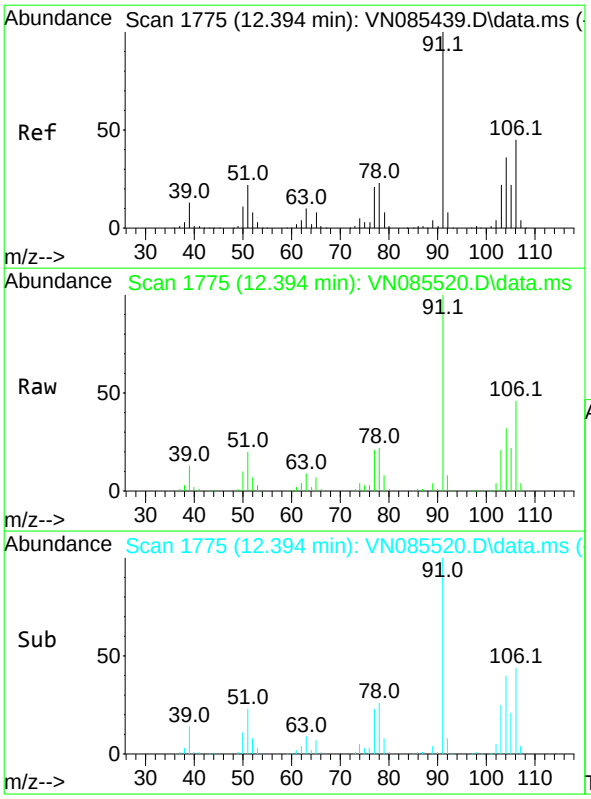
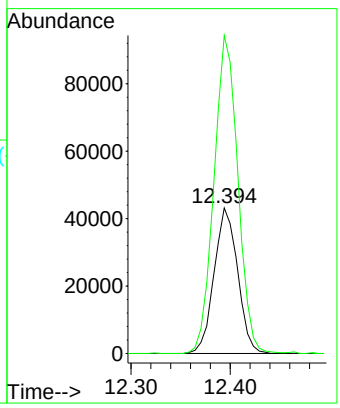
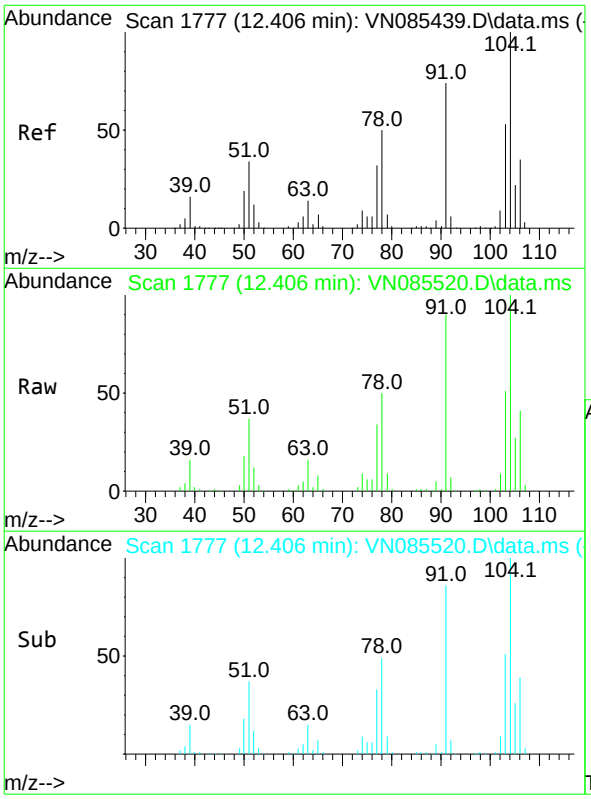


#69
o-Xylene
Concen: 18.956 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:106 Resp: 71148

Ion	Ratio	Lower	Upper
106	100		
91	222.2	110.4	331.2

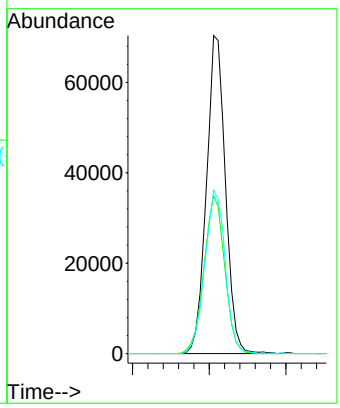


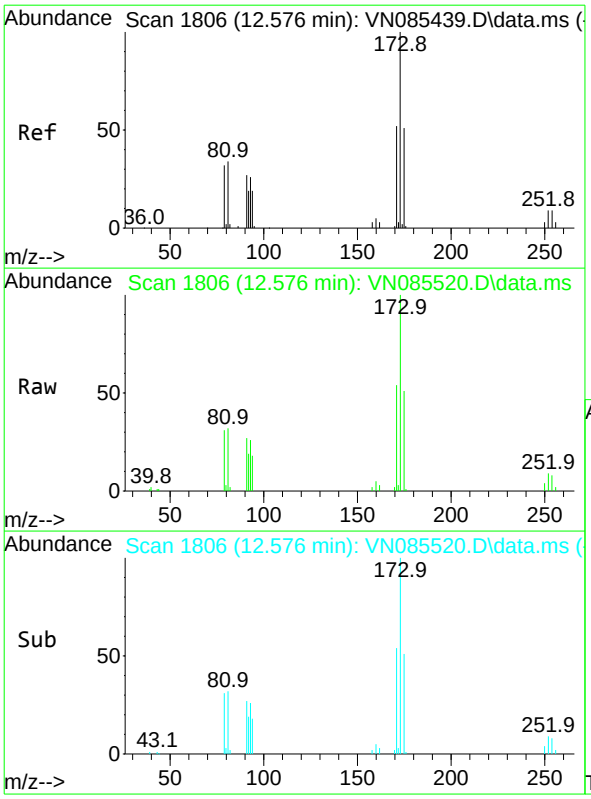


#70
Styrene
Concen: 19.481 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:104 Resp: 121008

Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.5	63.7
103	55.0	43.8	65.8





#71
Bromoform
Concen: 20.155 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:173 Resp: 34534

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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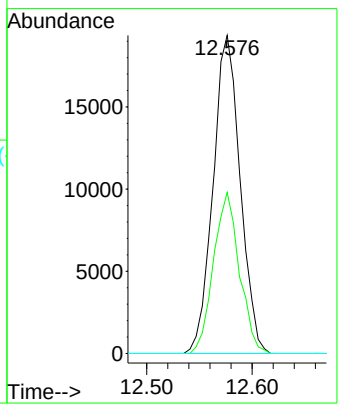
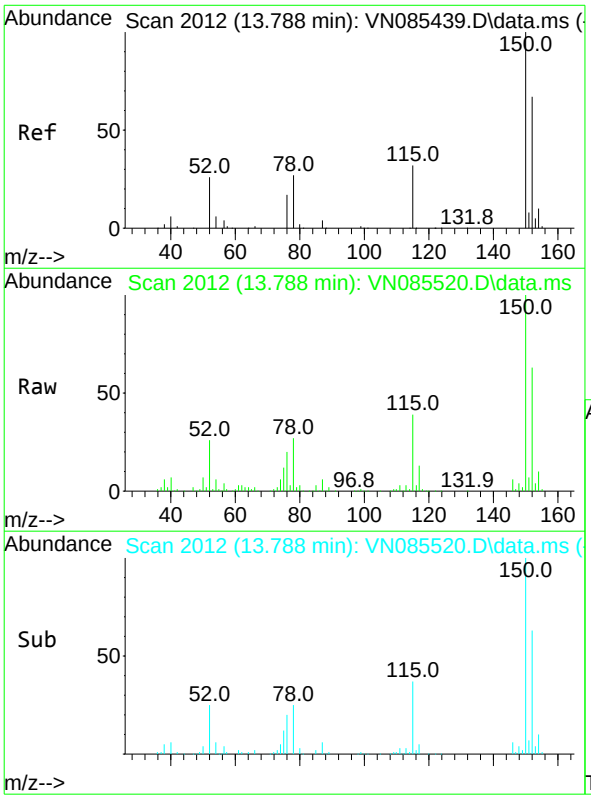
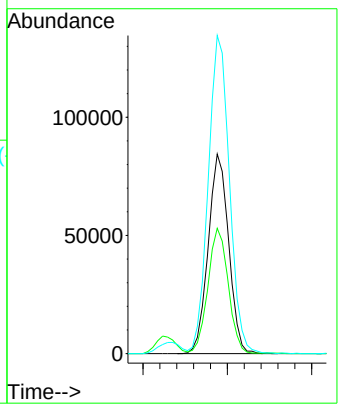


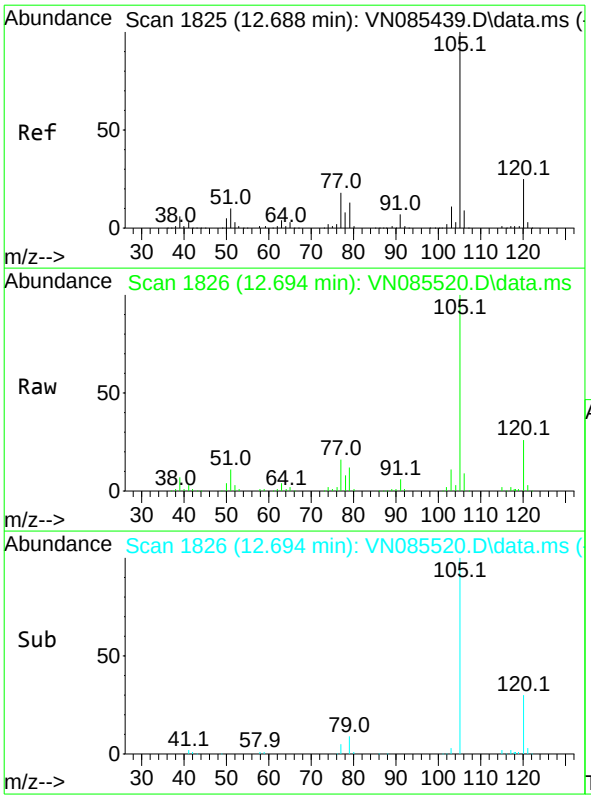


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:152 Resp: 142141

Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.1	93.3
150	165.3	0.0	343.6

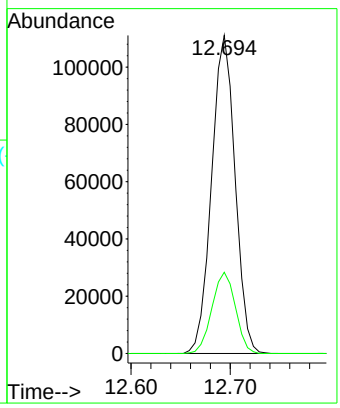




#73
Isopropylbenzene
Concen: 19.042 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:105 Resp: 182673

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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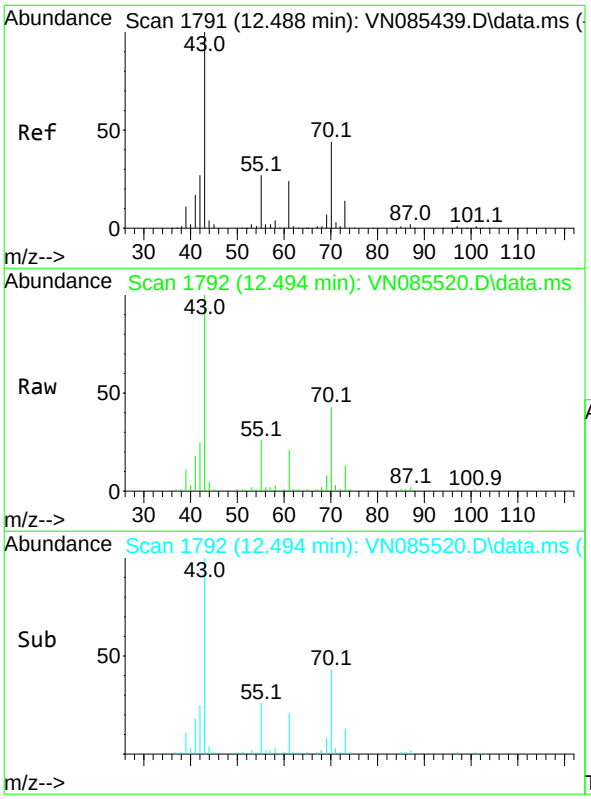
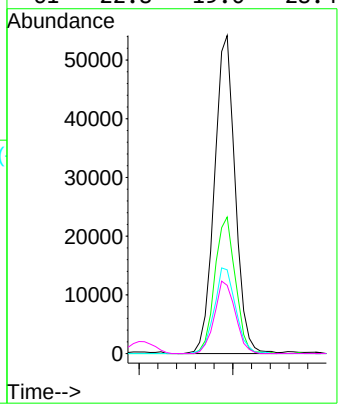
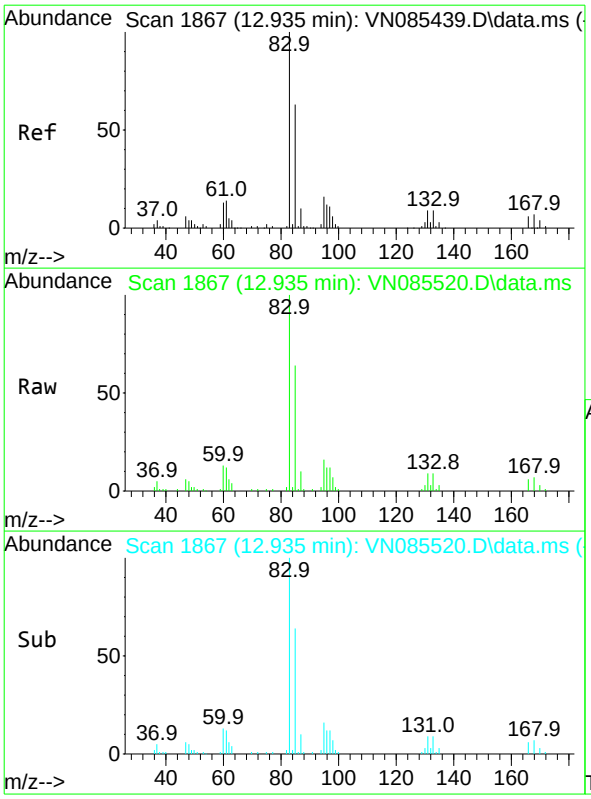


#74
N-amyl acetate
Concen: 19.312 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 43 Resp: 83274

Ion	Ratio	Lower	Upper
43	100		
70	42.5	34.0	51.0
55	27.8	21.4	32.2
61	22.8	19.0	28.4





#75
1,1,2,2-Tetrachloroethane
Concen: 19.215 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tgt Ion: 83 Resp: 65114

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.8	14.4
85	63.5	32.2	96.6

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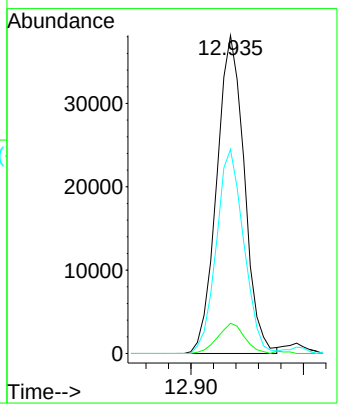
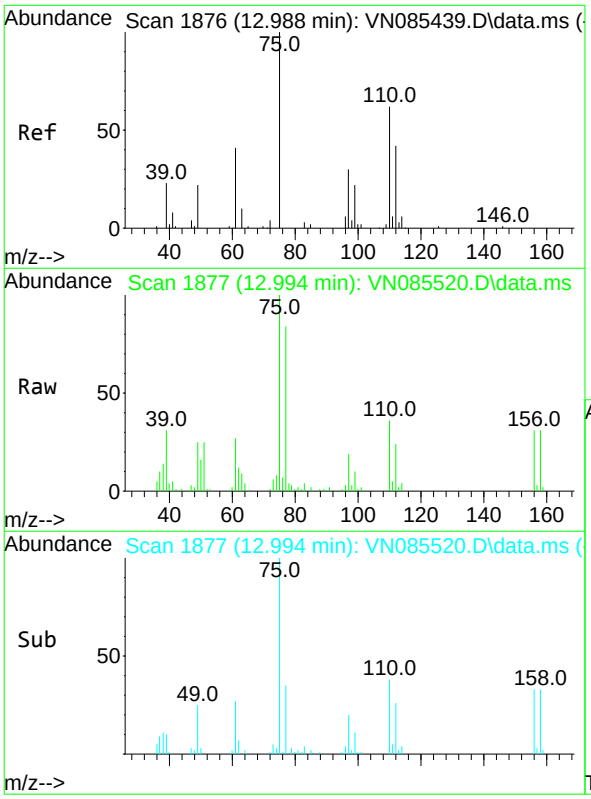
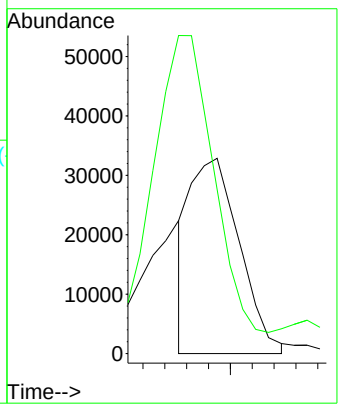


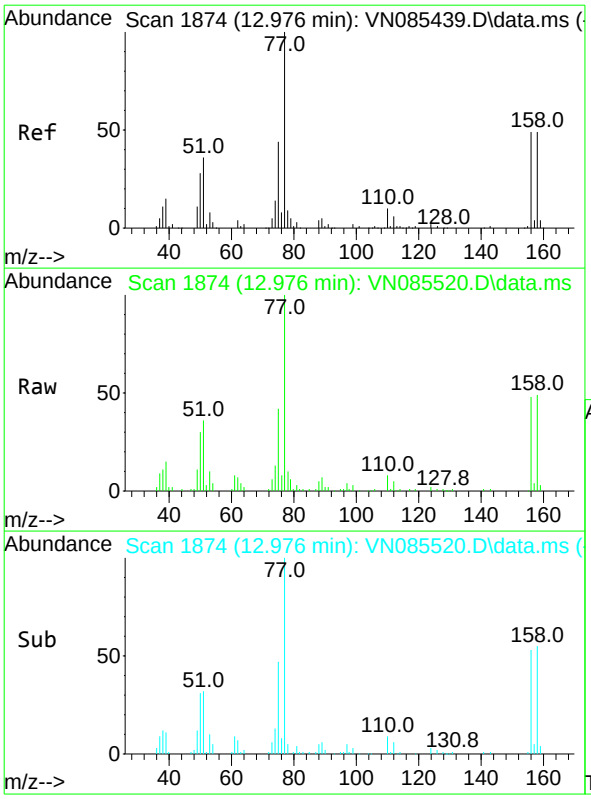


#76
1,2,3-Trichloropropane
Concen: 17.964 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 75 Resp: 51898

Ion	Ratio	Lower	Upper
75	100		
77	209.9	109.7	329.2





#77
Bromobenzene
Concen: 18.436 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:156 Resp: 46207

Ion	Ratio	Lower	Upper
156	100		
77	235.7	114.1	342.4
158	101.1	48.9	146.8

Instrument :
MSVOA_N
ClientSampleId :
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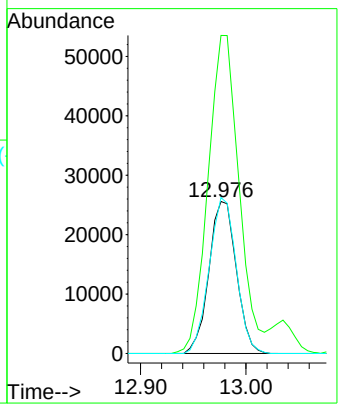
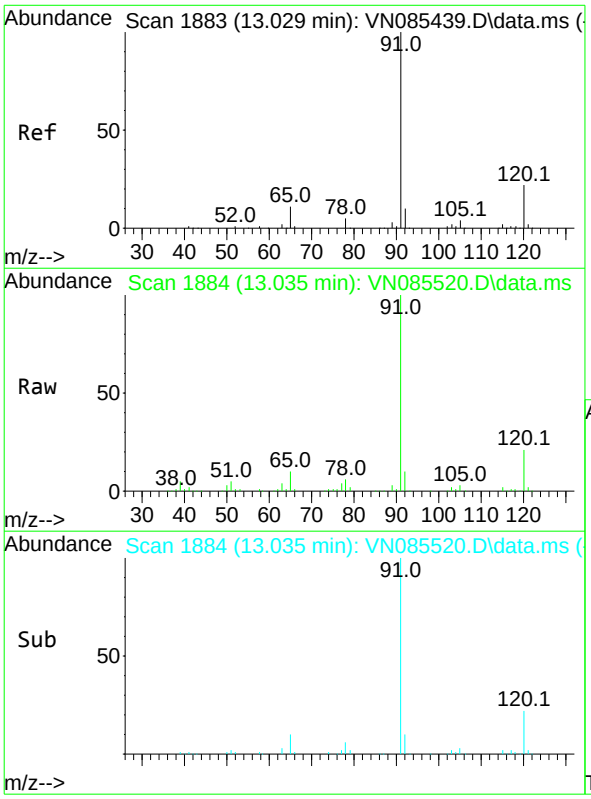
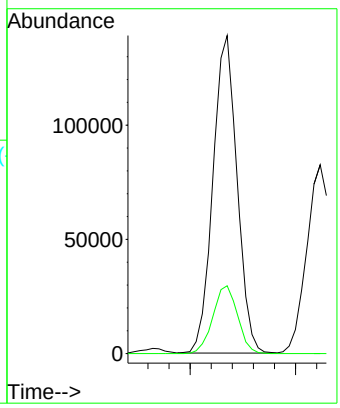


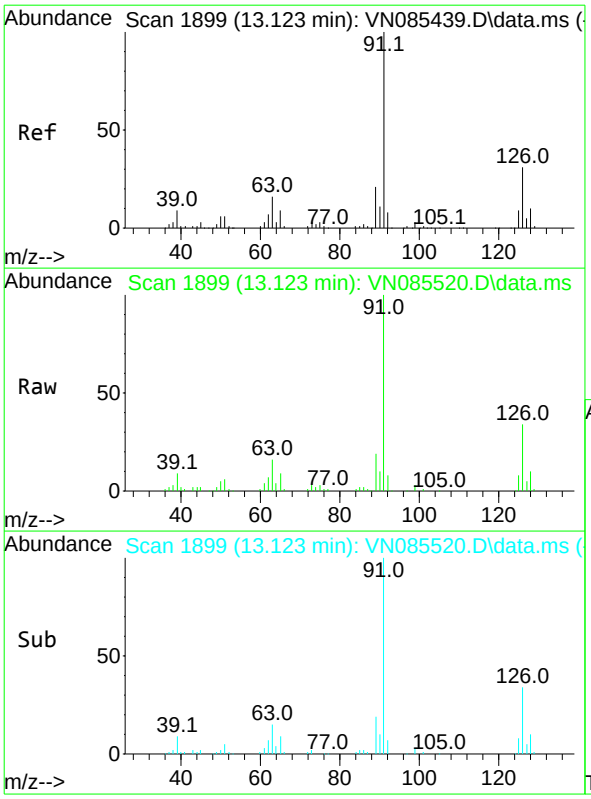


#78
n-propylbenzene
Concen: 19.453 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 91 Resp: 220924

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.6

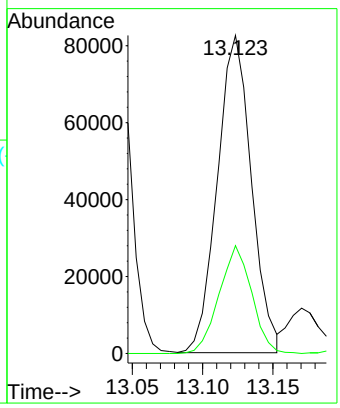




#79
2-Chlorotoluene
Concen: 18.957 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 91 Resp: 139334

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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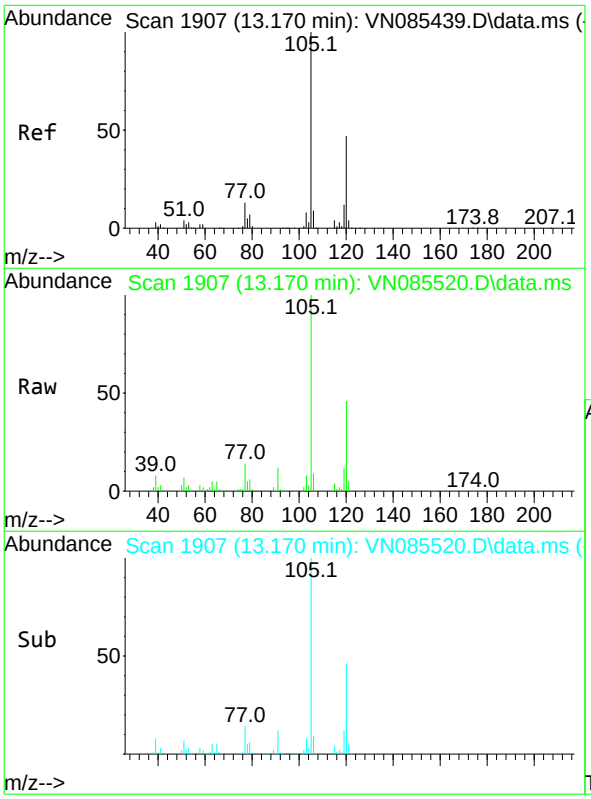
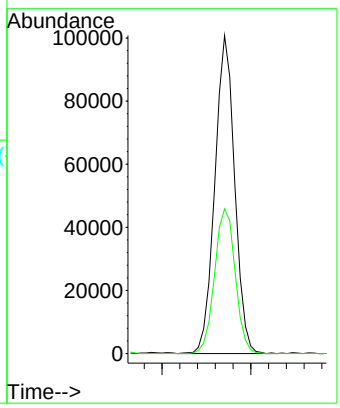
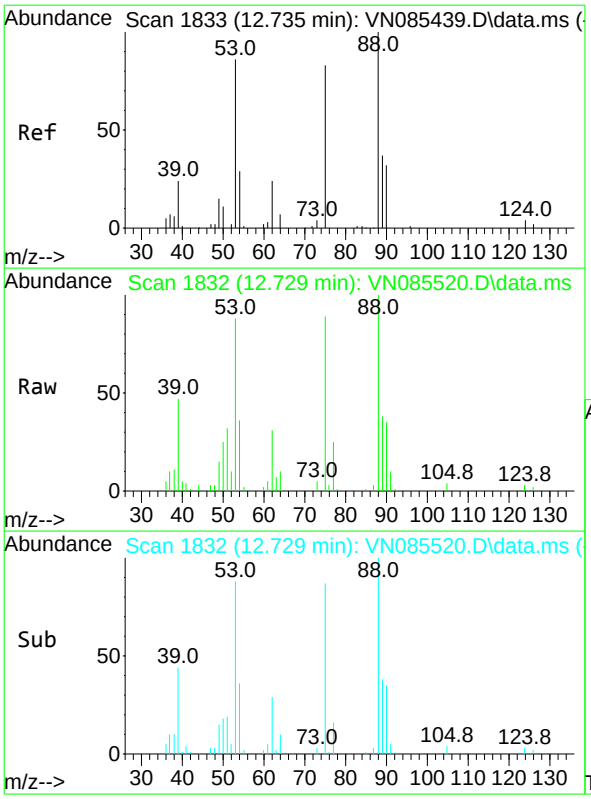


#80
1,3,5-Trimethylbenzene
Concen: 19.727 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:105 Resp: 156321

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.9	71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 20.202 ug/l
RT: 12.729 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

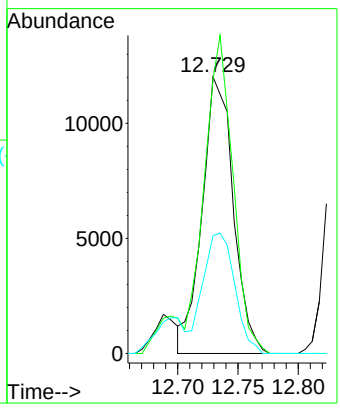
Tgt Ion: 75 Resp: 21572

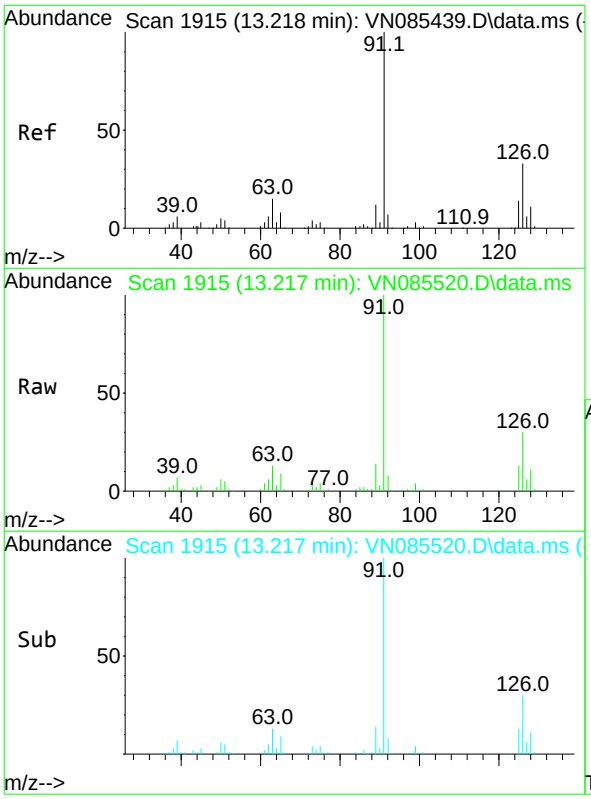
Ion	Ratio	Lower	Upper
75	100		
53	117.2	95.6	143.4
89	45.2	37.0	55.6

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

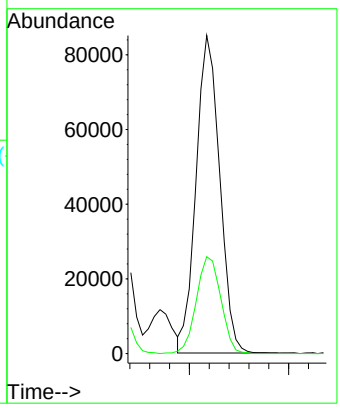


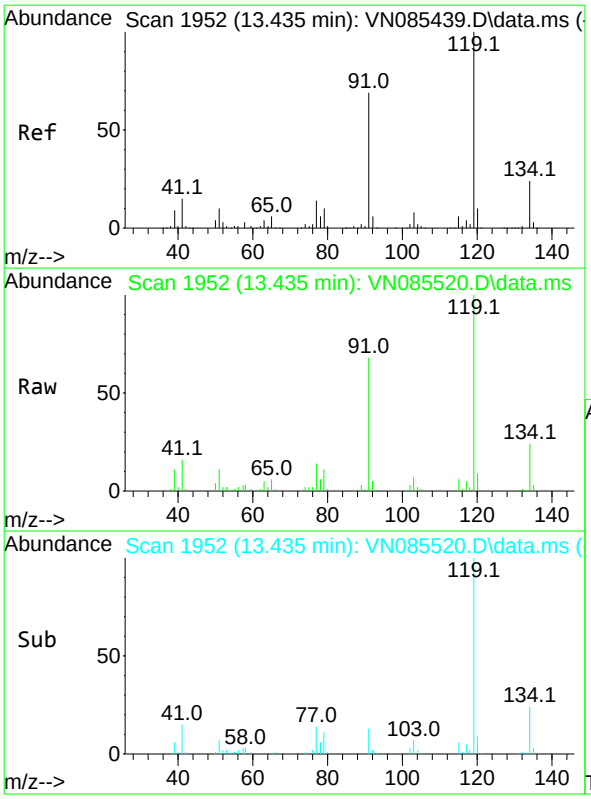


#82
4-Chlorotoluene
Concen: 19.203 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 91 Resp: 140536

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.9	47.7





#83
tert-Butylbenzene
Concen: 19.139 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:119 Resp: 127363

Ion	Ratio	Lower	Upper
119	100		
91	69.8	35.1	105.3
134	27.6	12.0	36.1

Instrument :
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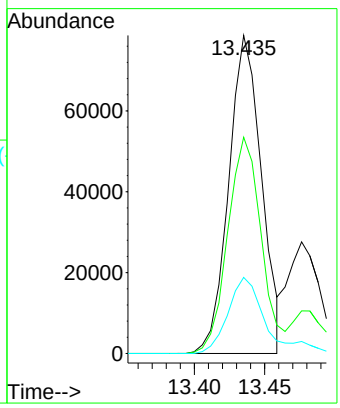
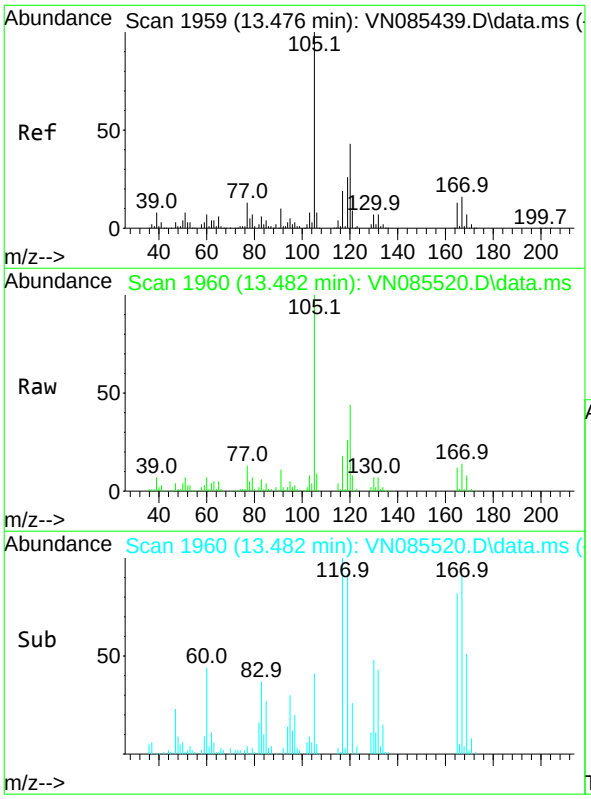
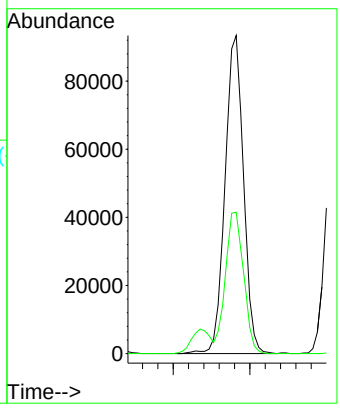


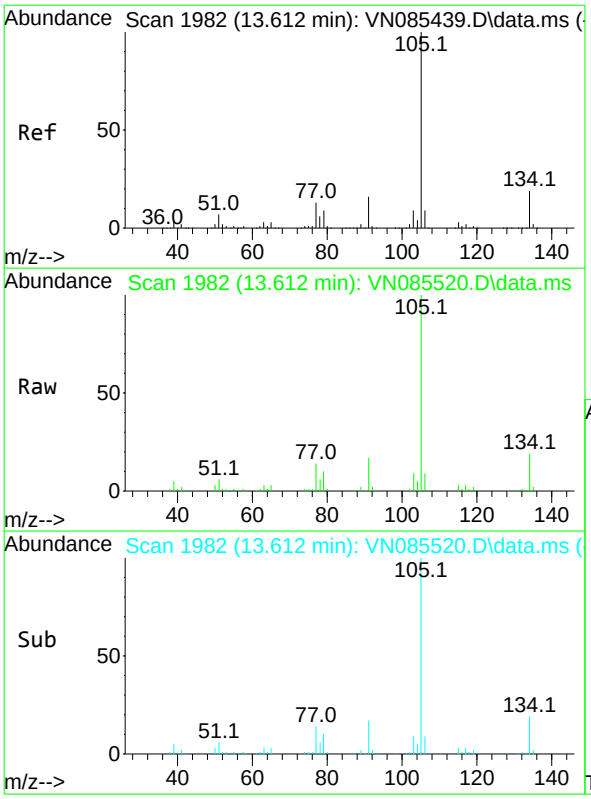


#84
1,2,4-Trimethylbenzene
Concen: 19.770 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:105 Resp: 156143

Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.6	65.0

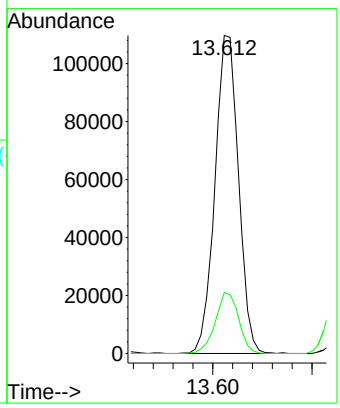




#85
sec-Butylbenzene
Concen: 19.581 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:105 Resp: 180596

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.7	28.9



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Manual Integrations
APPROVED

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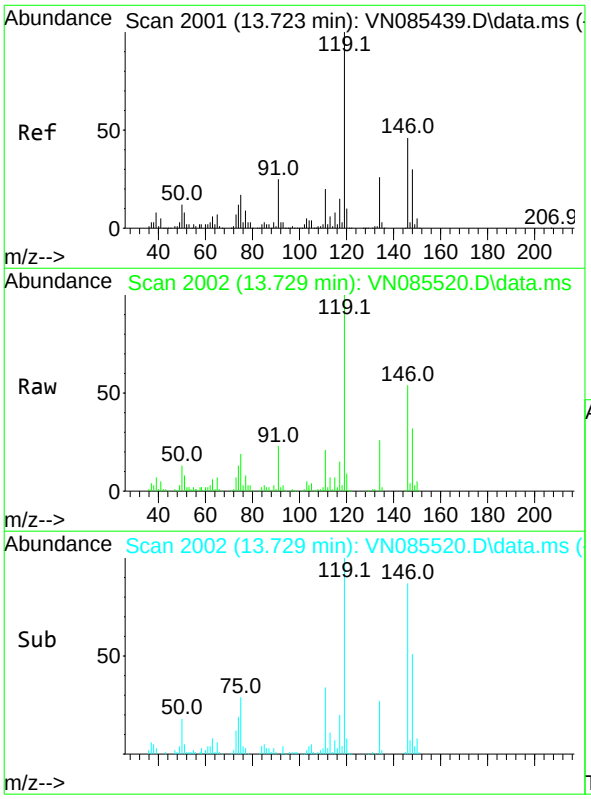
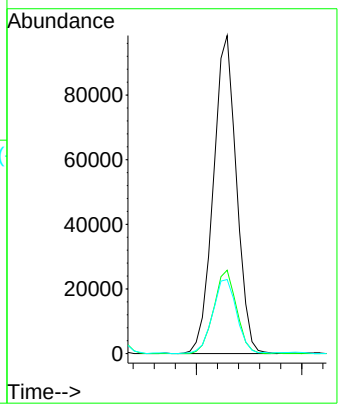
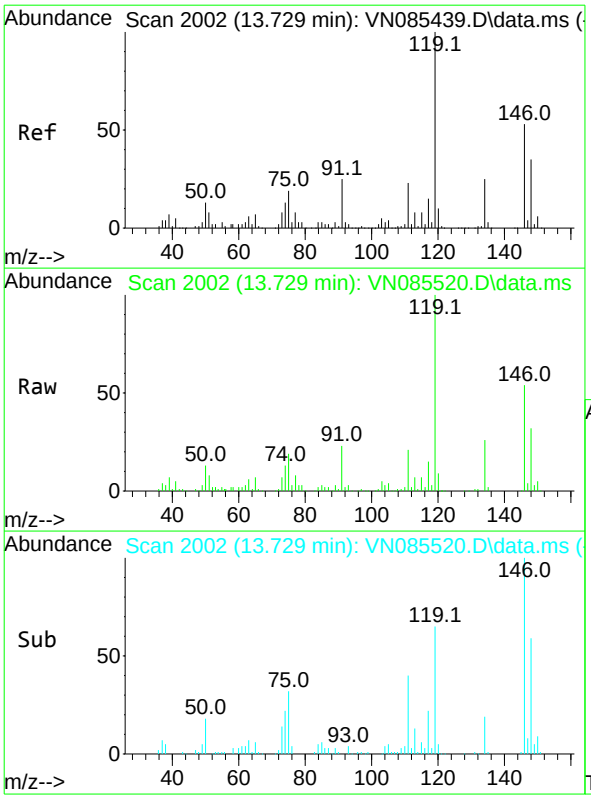


#86
p-Isopropyltoluene
Concen: 19.503 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:119 Resp: 149717

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.7	38.0
91	24.4	12.7	38.1

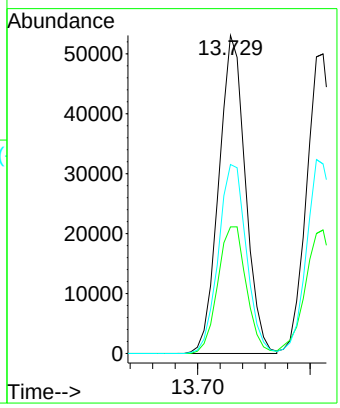




#87
1,3-Dichlorobenzene
Concen: 18.889 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:146 Resp: 87188

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.4	64.3
148	62.5	32.3	96.9



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
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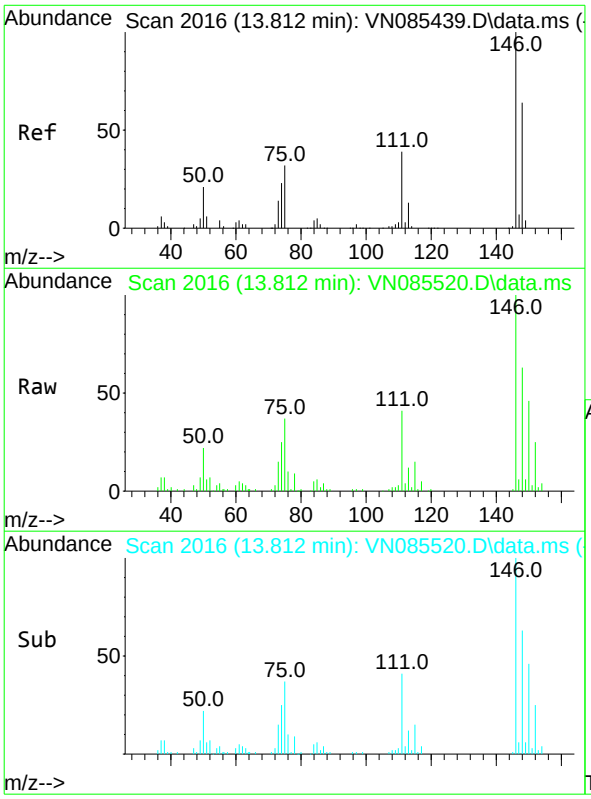
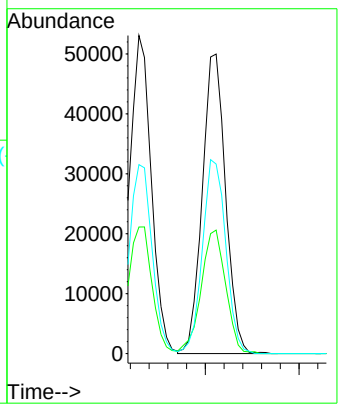
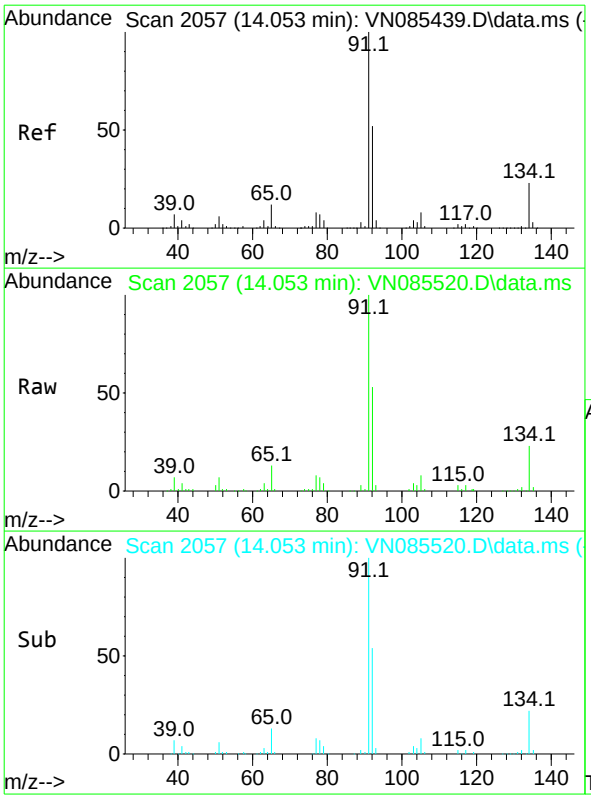


#88
1,4-Dichlorobenzene
Concen: 18.047 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:146 Resp: 86342

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.7
148	65.0	32.4	97.0





#89
n-Butylbenzene
Concen: 18.129 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 91 Resp: 119951

Ion	Ratio	Lower	Upper
91	100		
92	53.0	25.8	77.3
134	24.3	11.7	35.1

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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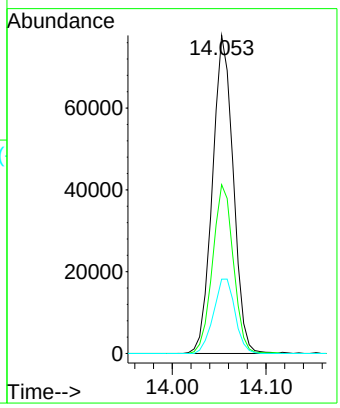
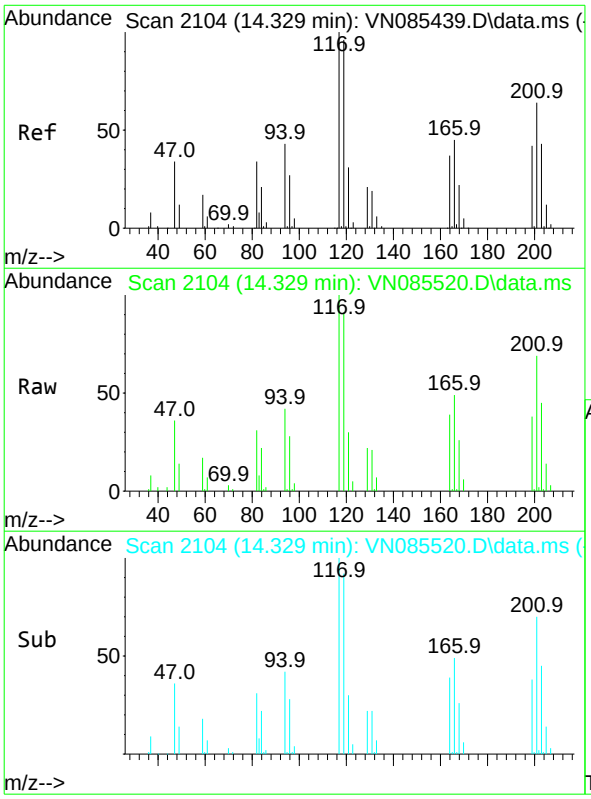
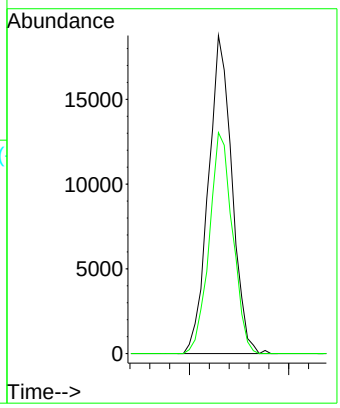


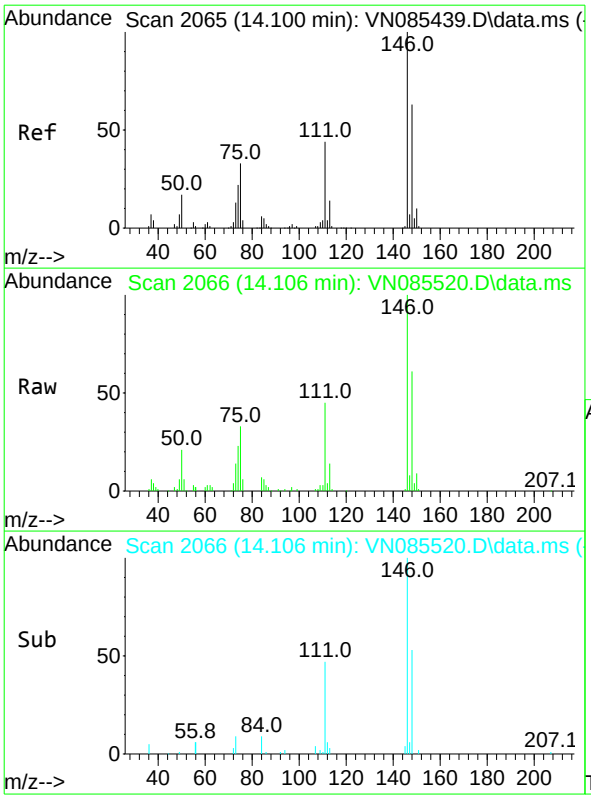


#90
Hexachloroethane
Concen: 17.610 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:117 Resp: 30919

Ion	Ratio	Lower	Upper
117	100		
201	68.8	33.7	101.0





#91
1,2-Dichlorobenzene
Concen: 18.676 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Tgt Ion:146 Resp: 85986

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.7	65.1
148	61.8	31.4	94.2

Manual Integrations
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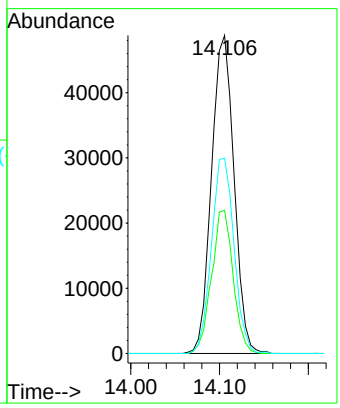
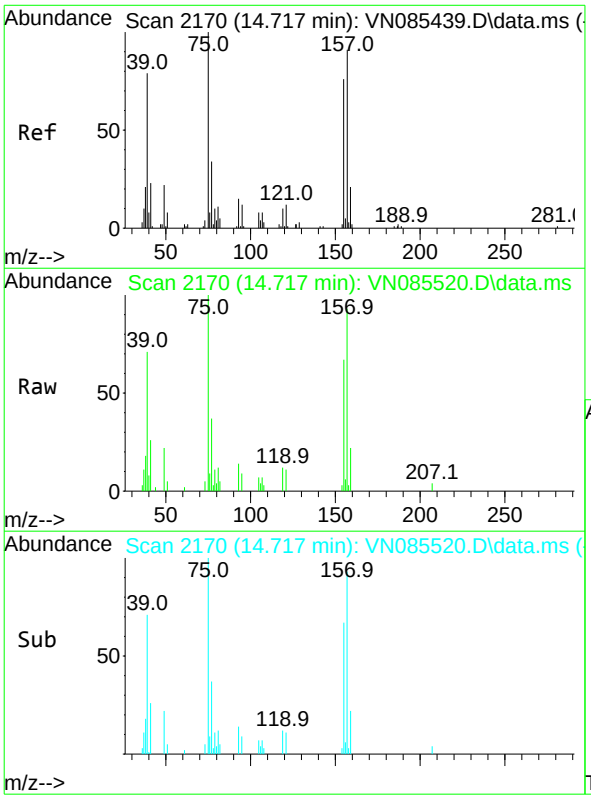
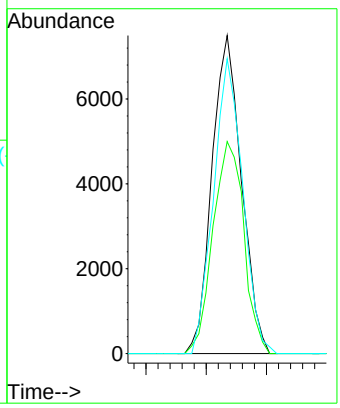


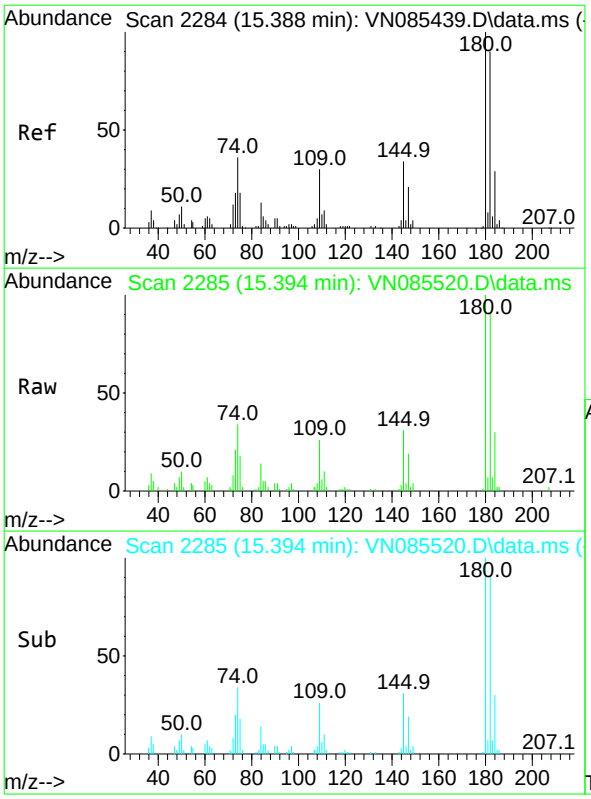


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.659 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion: 75 Resp: 12784

Ion	Ratio	Lower	Upper
75	100		
155	69.5	36.4	109.2
157	91.4	45.4	136.1





#93
1,2,4-Trichlorobenzene
Concen: 18.002 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:180 Resp: 38523

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.8	140.3
145	35.1	16.0	48.0

Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

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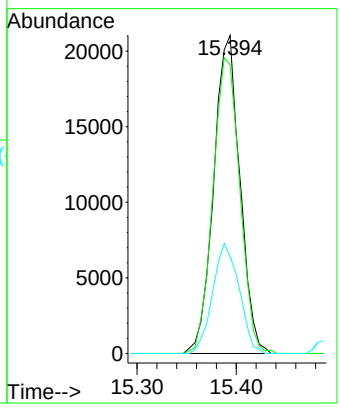
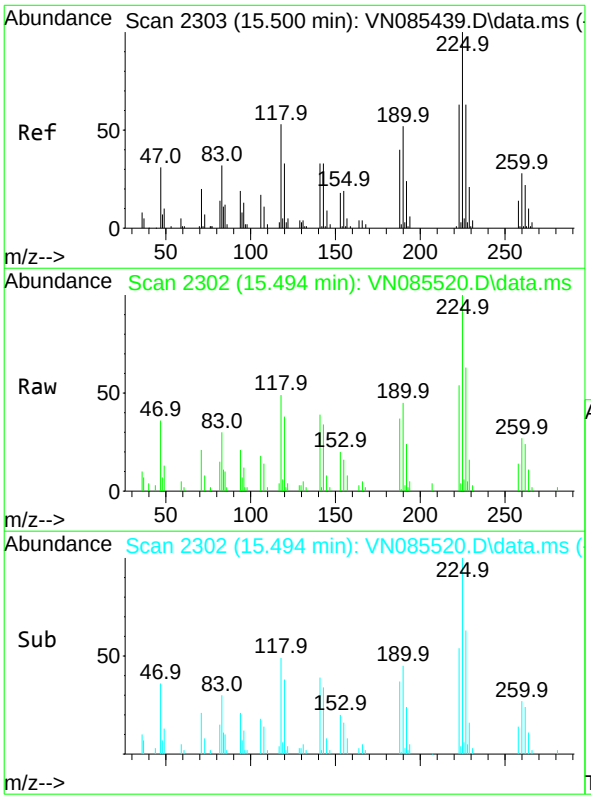
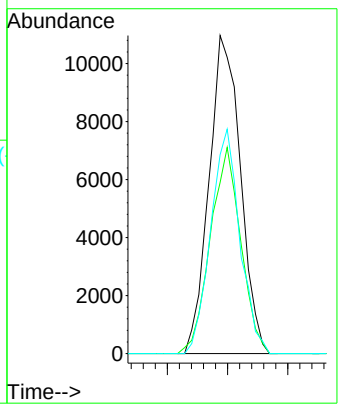


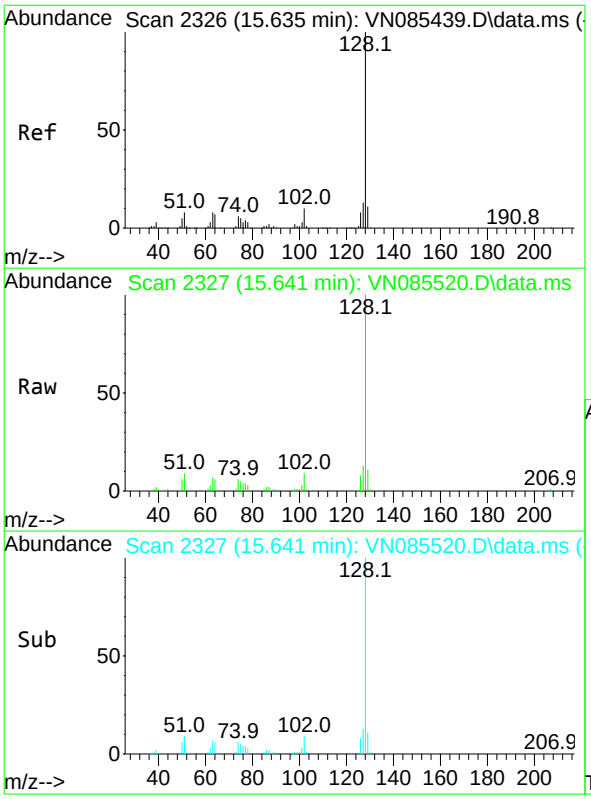


#94
Hexachlorobutadiene
Concen: 17.442 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:225 Resp: 19815

Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.7	92.1
227	65.6	30.9	92.5

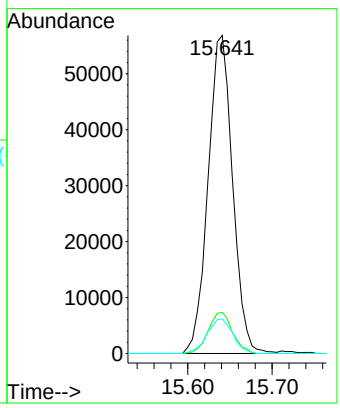




#95
Naphthalene
Concen: 18.002 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:128 Resp: 114951

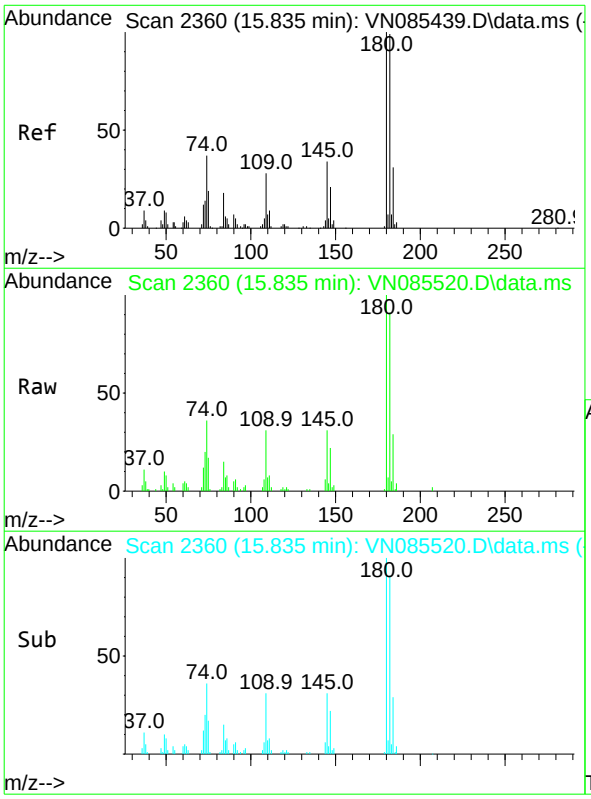
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	11.4	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN0127WBSD01

Manual Integrations APPROVED

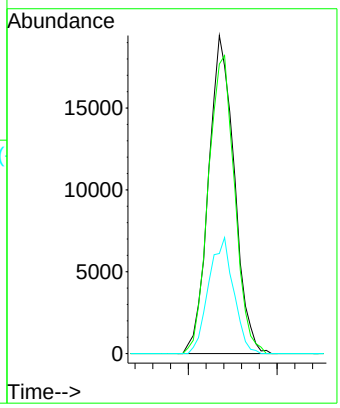
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.075 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085520.D
Acq: 27 Jan 2025 16:46

Tgt Ion:180 Resp: 39137

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.4	142.2
145	35.2	16.9	50.7



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Data File : VY020939.D
Acq On : 27 Jan 2025 10:54
Operator : SY/MD
Sample : VY0127SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 28 01:10:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	284825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	421282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	357449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	177256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113305	49.894	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.780%			
35) Dibromofluoromethane	7.640	113	116966	48.363	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.720%			
50) Toluene-d8	10.109	98	452829	48.271	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.540%			
62) 4-Bromofluorobenzene	12.408	95	150937	48.345	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	45455	21.100	ug/l	98
3) Chloromethane	2.074	50	31860	19.884	ug/l	98
4) Vinyl Chloride	2.208	62	34695	19.868	ug/l	97
5) Bromomethane	2.604	94	22255	18.816	ug/l	97
6) Chloroethane	2.739	64	20662	20.167	ug/l	95
7) Trichlorofluoromethane	3.068	101	77010	20.756	ug/l	98
8) Diethyl Ether	3.464	74	24706	21.666	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.830	101	51831	21.171	ug/l	100
10) Methyl Iodide	4.019	142	57895	19.843	ug/l	100
11) Tert butyl alcohol	4.891	59	20731	118.255	ug/l #	84
12) 1,1-Dichloroethene	3.799	96	48946	21.170	ug/l	97
13) Acrolein	3.665	56	28093	118.208	ug/l	96
14) Allyl chloride	4.391	41	68738	21.301	ug/l	98
15) Acrylonitrile	5.080	53	53151	118.575	ug/l	100
16) Acetone	3.885	43	35174	114.319	ug/l	100
17) Carbon Disulfide	4.116	76	149327	20.914	ug/l	99
18) Methyl Acetate	4.403	43	25309	22.770	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	120063	22.421	ug/l	98
20) Methylene Chloride	4.628	84	48793	21.323	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	52984	21.255	ug/l	96
22) Diisopropyl ether	6.031	45	142495	21.953	ug/l	97
23) Vinyl Acetate	5.970	43	413997	115.245	ug/l	100
24) 1,1-Dichloroethane	5.927	63	87580	21.285	ug/l	98
25) 2-Butanone	6.902	43	62660	120.223	ug/l	93
26) 2,2-Dichloropropane	6.896	77	86153	21.258	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	60307	21.437	ug/l	99
28) Bromochloromethane	7.256	49	35375	21.362	ug/l	98
29) Tetrahydrofuran	7.268	42	42351	121.924	ug/l	99
30) Chloroform	7.433	83	92869	21.326	ug/l	98
31) Cyclohexane	7.707	56	84903	20.995	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	90140	21.340	ug/l	100
36) 1,1-Dichloropropene	7.841	75	71237	21.097	ug/l	100
37) Ethyl Acetate	7.000	43	30206	23.056	ug/l	98
38) Carbon Tetrachloride	7.823	117	84923	20.855	ug/l	99
39) Methylcyclohexane	9.115	83	95859	20.969	ug/l	97
40) Benzene	8.091	78	209800	21.178	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020939.D
Acq On : 27 Jan 2025 10:54
Operator : SY/MD
Sample : VY0127SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 28 01:10:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.226	41	15370	22.209 ug/l		94
42) 1,2-Dichloroethane	8.164	62	53093	21.539 ug/l		98
43) Isopropyl Acetate	8.201	43	58221	23.436 ug/l		100
44) Trichloroethene	8.872	130	56869	21.131 ug/l		99
45) 1,2-Dichloropropane	9.146	63	46640	21.329 ug/l		99
46) Dibromomethane	9.237	93	28025	22.543 ug/l		100
47) Bromodichloromethane	9.426	83	69877	21.125 ug/l		95
48) Methyl methacrylate	9.225	41	26785	22.856 ug/l		98
49) 1,4-Dioxane	9.243	88	6014	469.849 ug/l		89
51) 4-Methyl-2-Pentanone	10.006	43	149292	119.182 ug/l		98
52) Toluene	10.176	92	135955	21.339 ug/l		100
53) t-1,3-Dichloropropene	10.402	75	66836	22.037 ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	78415	21.653 ug/l		99
55) 1,1,2-Trichloroethane	10.579	97	37955	22.587 ug/l		95
56) Ethyl methacrylate	10.445	69	50841	23.086 ug/l		99
57) 1,3-Dichloropropane	10.725	76	63115	22.109 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	115619	115.673 ug/l		99
59) 2-Hexanone	10.768	43	97780	121.392 ug/l		99
60) Dibromochloromethane	10.914	129	52852	22.348 ug/l		98
61) 1,2-Dibromoethane	11.018	107	36229	22.541 ug/l		99
64) Tetrachloroethene	10.652	164	52128	20.956 ug/l		97
65) Chlorobenzene	11.450	112	145707	20.845 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	52164	21.001 ug/l		98
67) Ethyl Benzene	11.524	91	257647	21.124 ug/l		99
68) m/p-Xylenes	11.633	106	198772	42.560 ug/l		100
69) o-Xylene	11.963	106	93925	21.530 ug/l		98
70) Styrene	11.975	104	155592	21.762 ug/l		99
71) Bromoform	12.139	173	32578	23.162 ug/l	#	99
73) Isopropylbenzene	12.261	105	250807	20.544 ug/l		100
74) N-amyl acetate	12.078	43	48395	22.278 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	41551	21.875 ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	30296m	24.174 ug/l		
77) Bromobenzene	12.536	156	59898	20.931 ug/l		99
78) n-propylbenzene	12.603	91	292813	20.591 ug/l		99
79) 2-Chlorotoluene	12.682	91	165489	20.519 ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	202876	20.682 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	15200	23.432 ug/l		98
82) 4-Chlorotoluene	12.786	91	171989	20.883 ug/l		100
83) tert-Butylbenzene	13.005	119	189901	20.988 ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	201137	20.828 ug/l		100
85) sec-Butylbenzene	13.182	105	267350	20.725 ug/l		99
86) p-Isopropyltoluene	13.298	119	228567	20.972 ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	115425	21.064 ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	114087	21.194 ug/l		99
89) n-Butylbenzene	13.621	91	198093	20.606 ug/l		100
90) Hexachloroethane	13.889	117	43750	20.208 ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	100553	21.180 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6433	22.545 ug/l		98
93) 1,2,4-Trichlorobenzene	14.925	180	57558	20.153 ug/l		99
94) Hexachlorobutadiene	15.029	225	37814	19.352 ug/l		98
95) Naphthalene	15.151	128	99439	21.712 ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	49787	20.749 ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020939.D
Acq On : 27 Jan 2025 10:54
Operator : SY/MD
Sample : VY0127SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 28 01:10:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
Data File : VY020939.D
Acq On : 27 Jan 2025 10:54
Operator : SY/MD
Sample : VY0127SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 28 01:10:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations APPROVED

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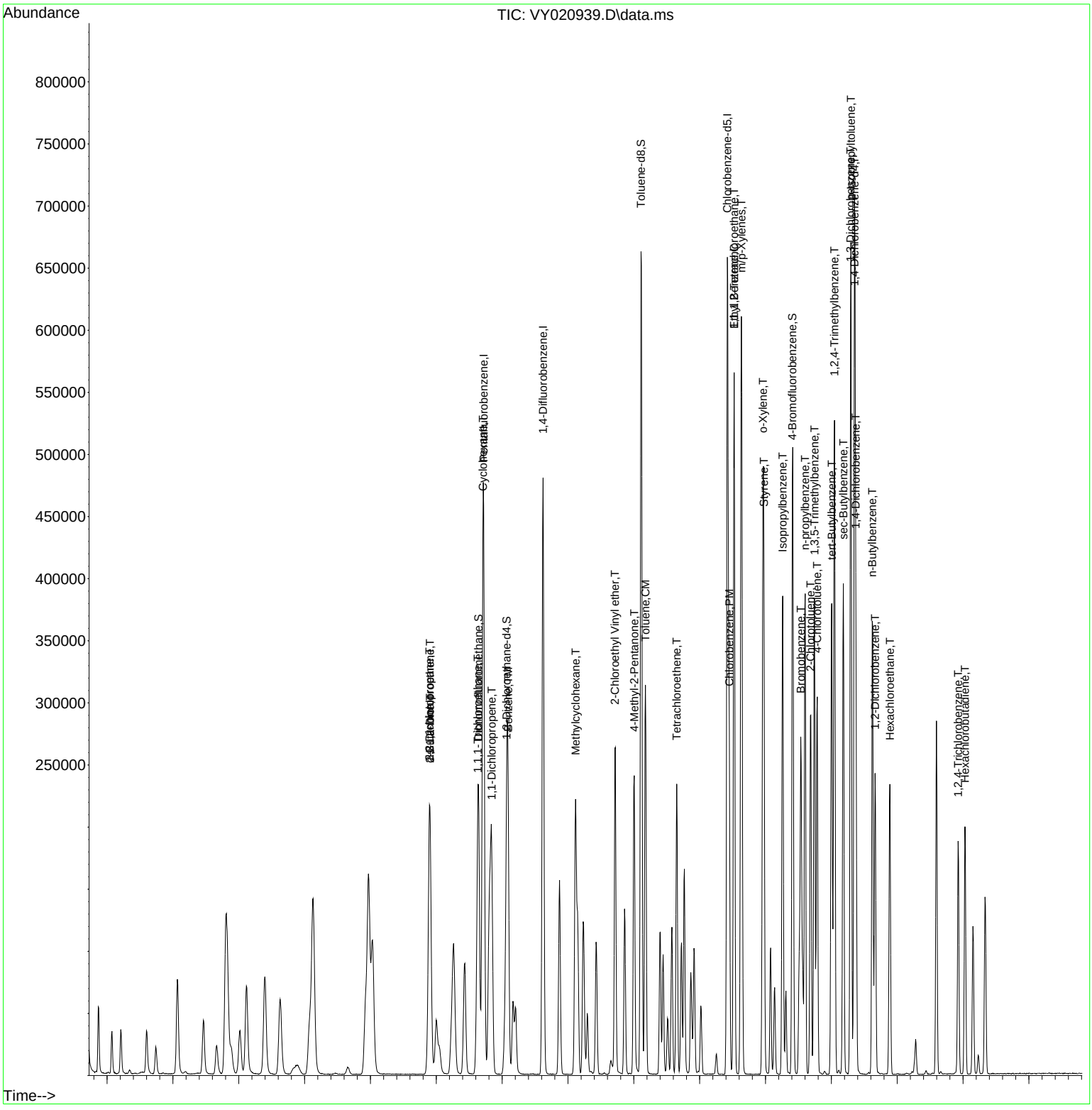
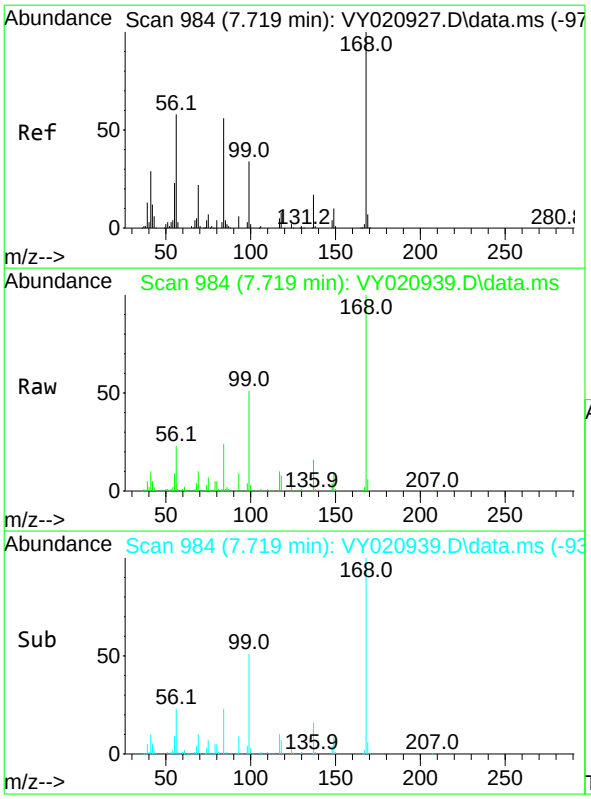
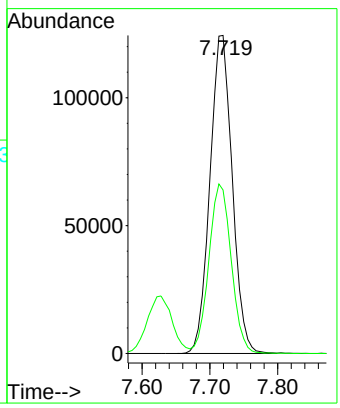




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:168 Resp: 284825

Ion	Ratio	Lower	Upper
168	100		
99	51.3	43.0	64.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations
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Reviewed By :Mahesh Dadoda 01/28/2025
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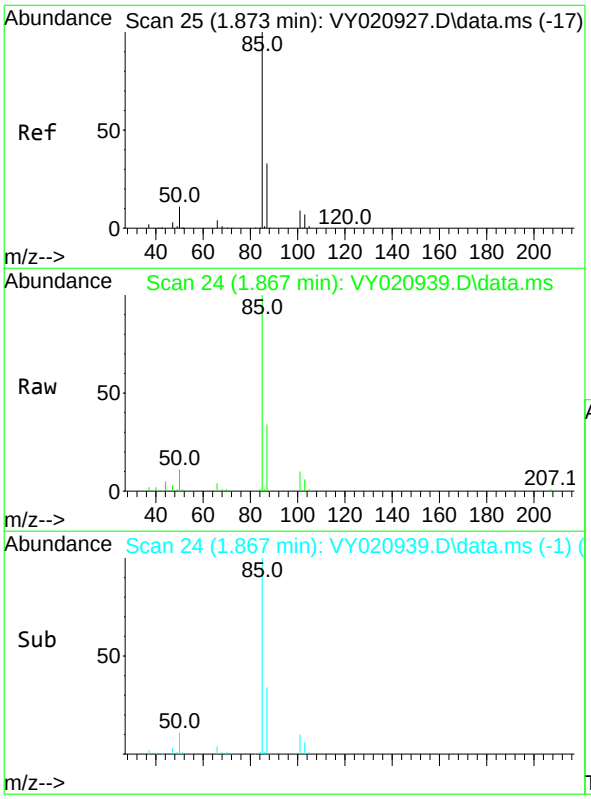
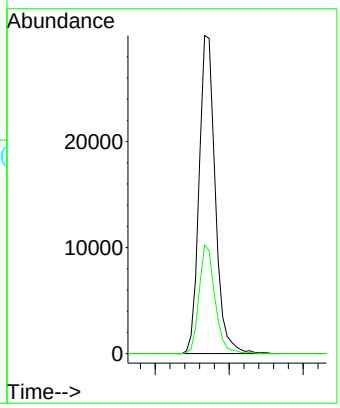


#2
Dichlorodifluoromethane
Concen: 21.100 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 85 Resp: 45455

Ion	Ratio	Lower	Upper
85	100		
87	34.2	16.6	49.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations
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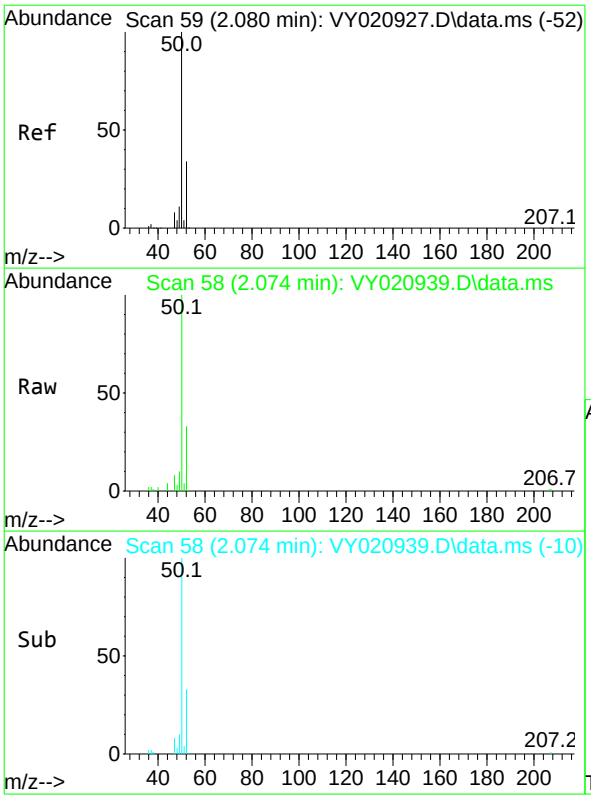
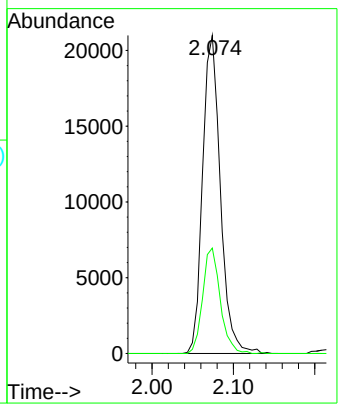
Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

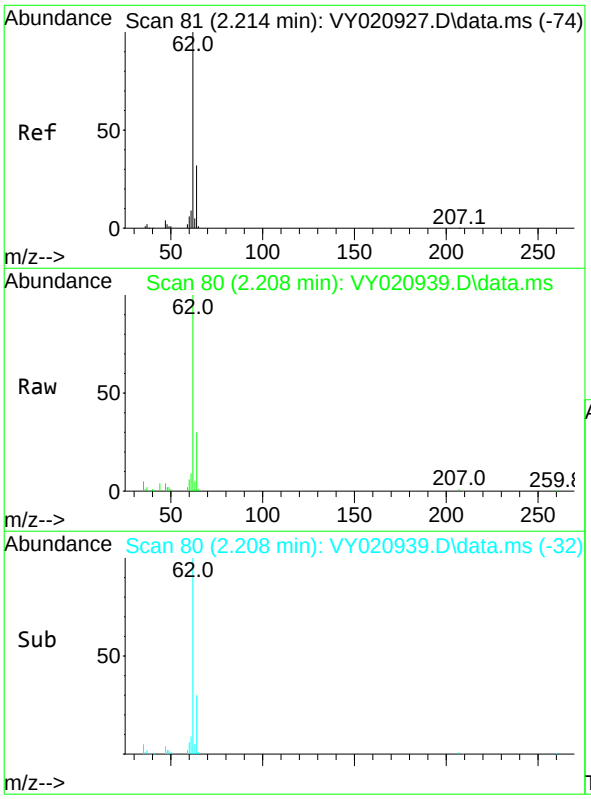


#3
Chloromethane
Concen: 19.884 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 50 Resp: 31860

Ion	Ratio	Lower	Upper
50	100		
52	33.1	27.4	41.0

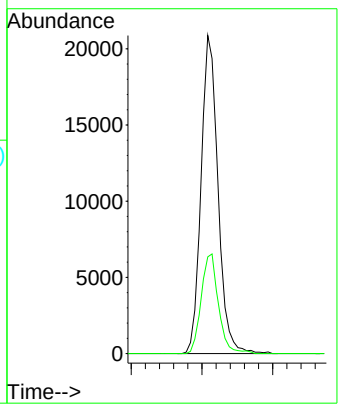


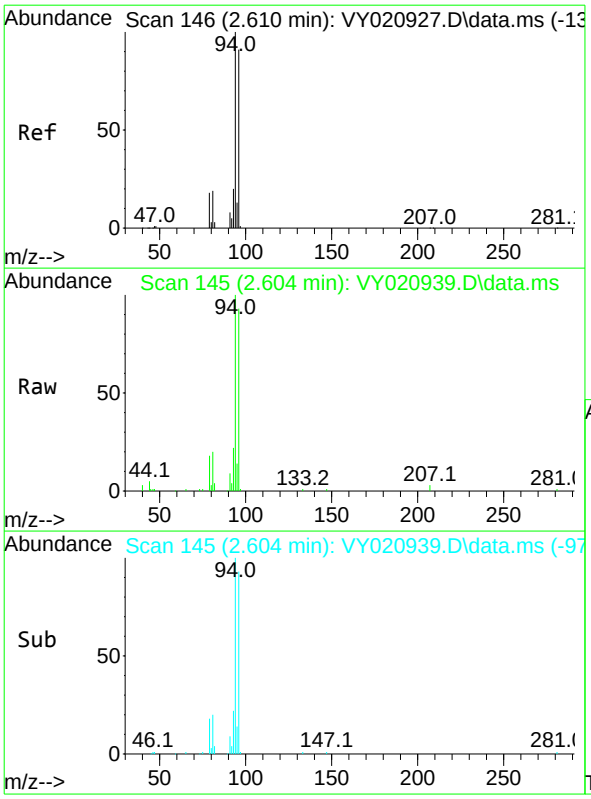


#4
Vinyl Chloride
Concen: 19.868 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 62 Resp: 34695

Ion	Ratio	Lower	Upper
62	100		
64	30.4	25.7	38.5

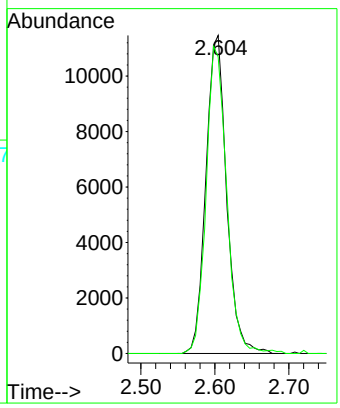




#5
Bromomethane
Concen: 18.816 ug/l
RT: 2.604 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 94 Resp: 22255

Ion	Ratio	Lower	Upper
94	100		
96	93.3	72.6	109.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations
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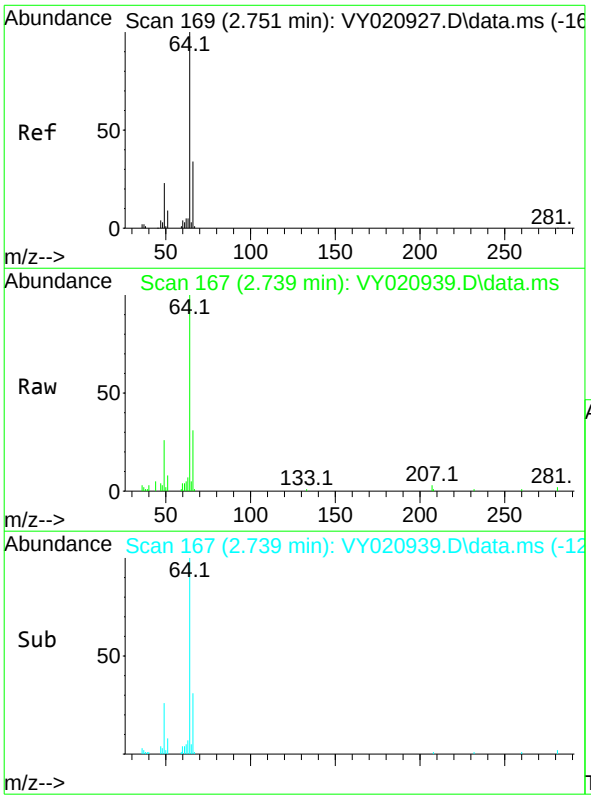
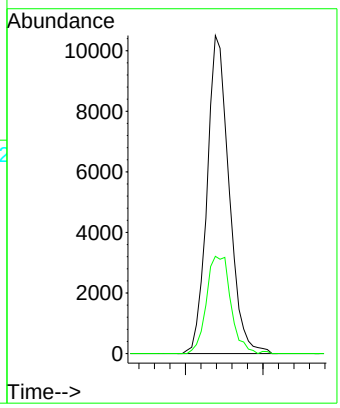
Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025



#6
Chloroethane
Concen: 20.167 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.012 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 64 Resp: 20662

Ion	Ratio	Lower	Upper
64	100		
66	30.6	26.9	40.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations
APPROVED

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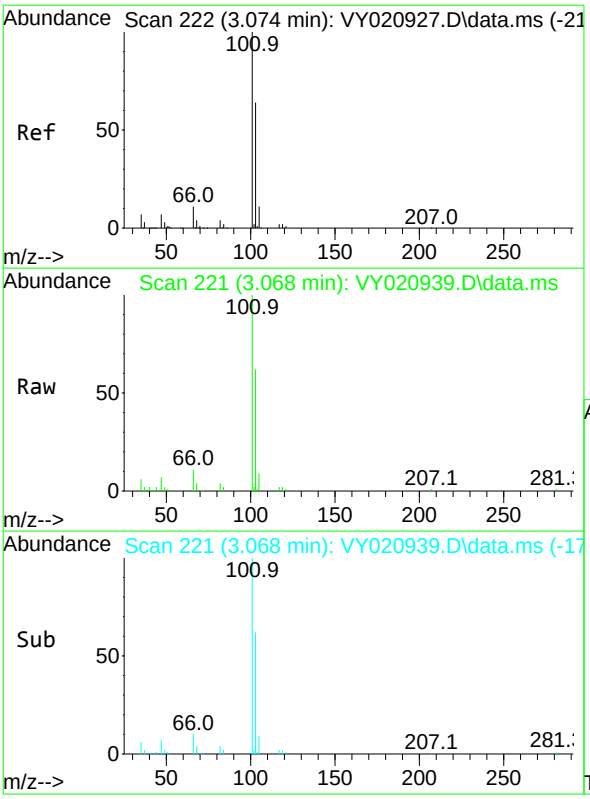
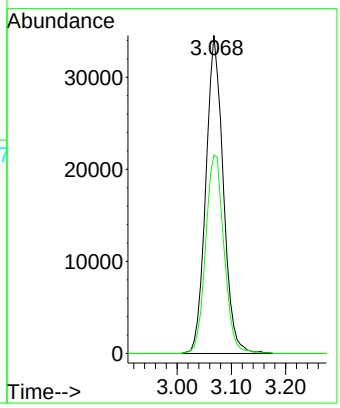
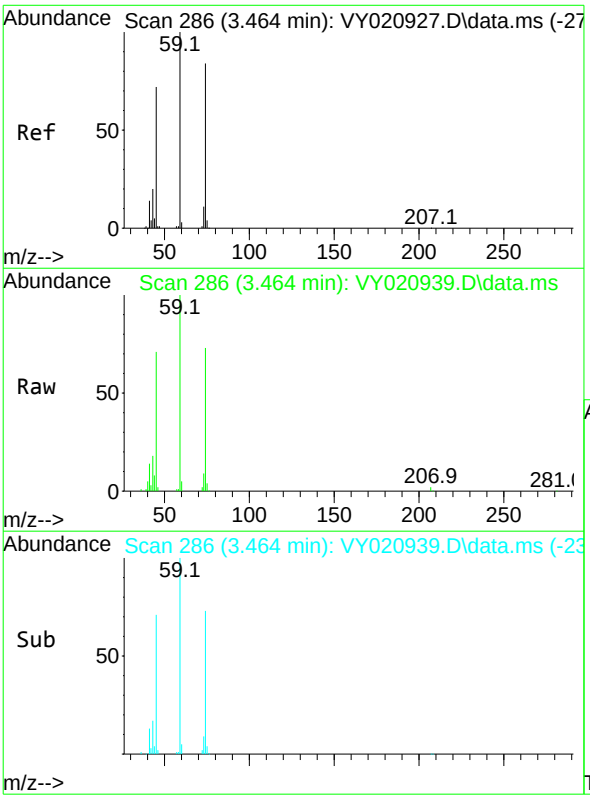


#7
Trichlorofluoromethane
Concen: 20.756 ug/l
RT: 3.068 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:101 Resp: 77010

Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.0	76.4

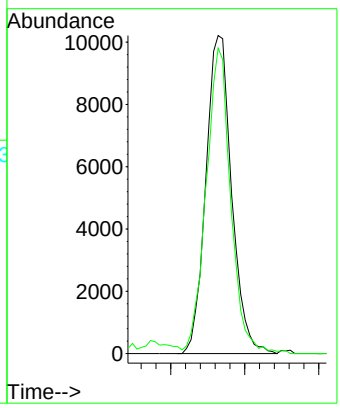


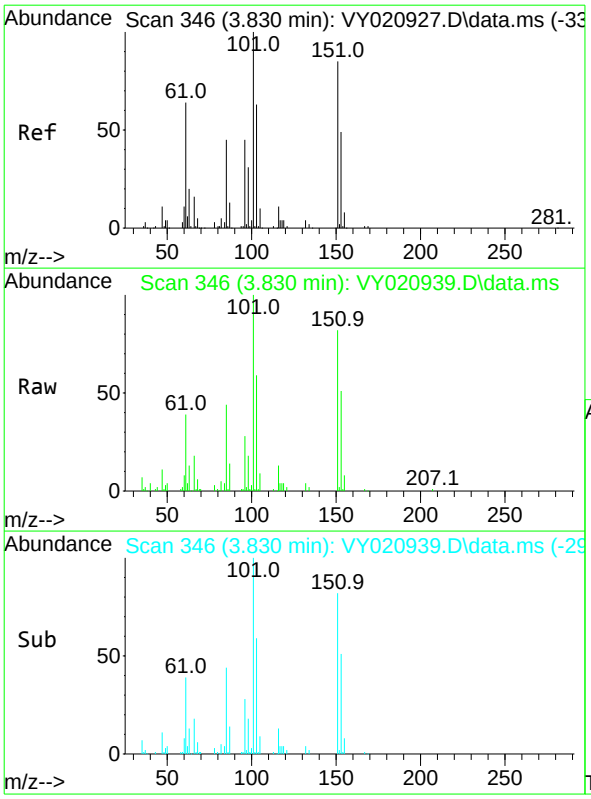


#8
Diethyl Ether
Concen: 21.666 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 74 Resp: 24706

Ion	Ratio	Lower	Upper
74	100		
45	92.0	45.1	135.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.171 ug/l
RT: 3.830 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Tgt Ion:101 Resp: 51831

Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.4	53.2
151	82.9	66.3	99.5

Manual Integrations
APPROVED

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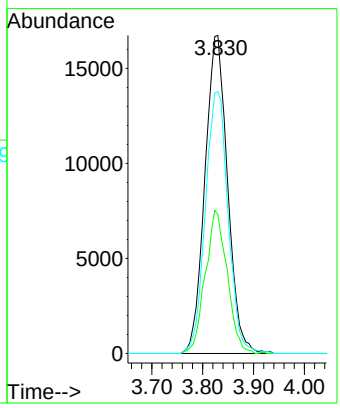
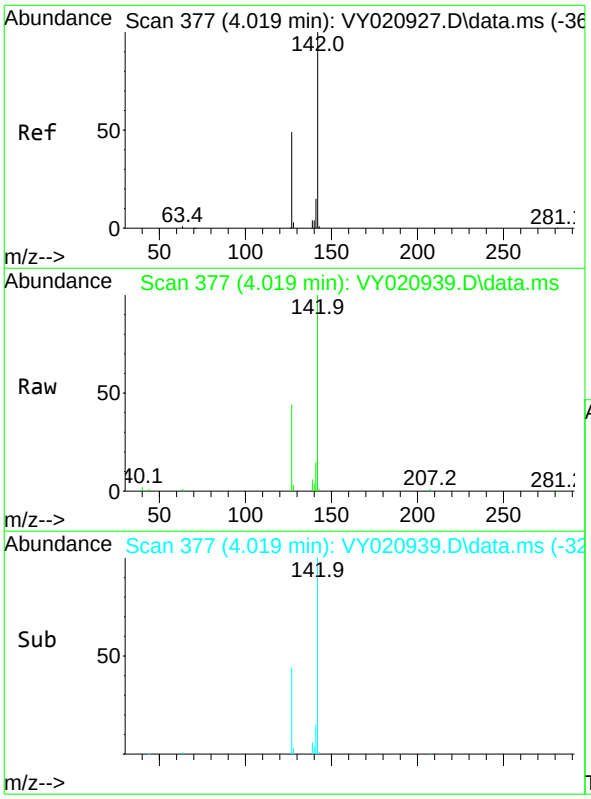
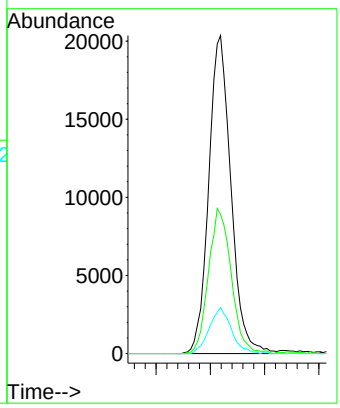


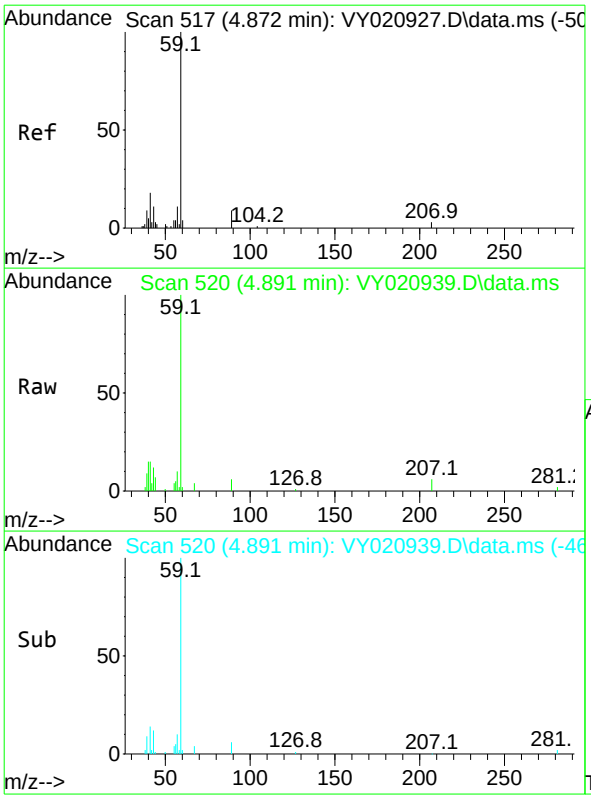


#10
Methyl Iodide
Concen: 19.843 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:142 Resp: 57895

Ion	Ratio	Lower	Upper
142	100		
127	46.6	37.3	55.9
141	14.4	11.4	17.2

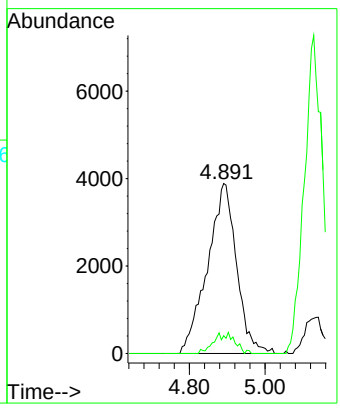




#11
Tert butyl alcohol
Concen: 118.255 ug/l
RT: 4.891 min Scan# 52
Delta R.T. 0.018 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 59 Resp: 20731

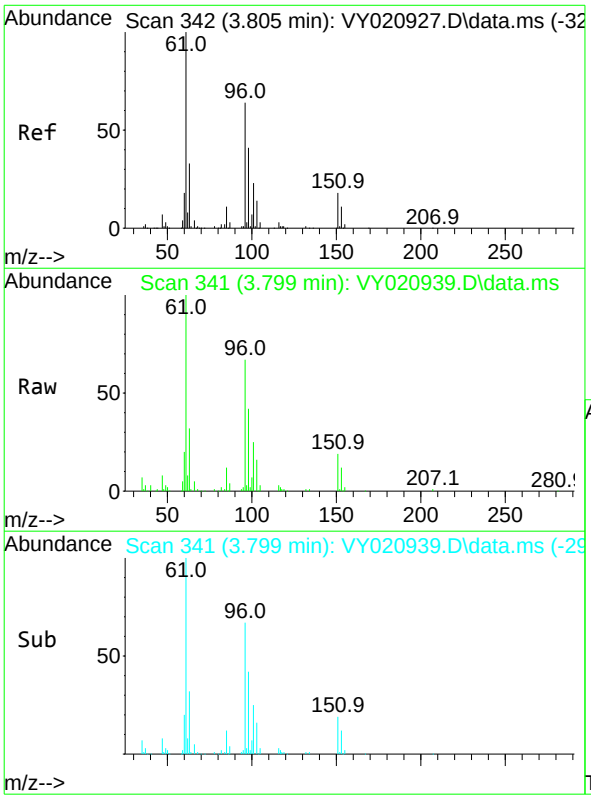
Ion	Ratio	Lower	Upper
59	100		
57	3.8	7.7	11.5#



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations
APPROVED

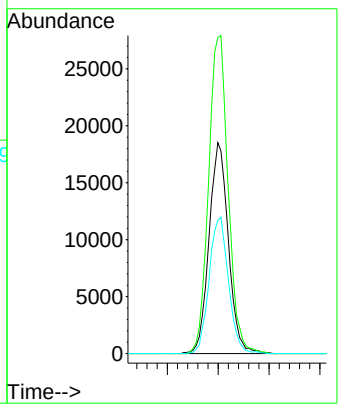
Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

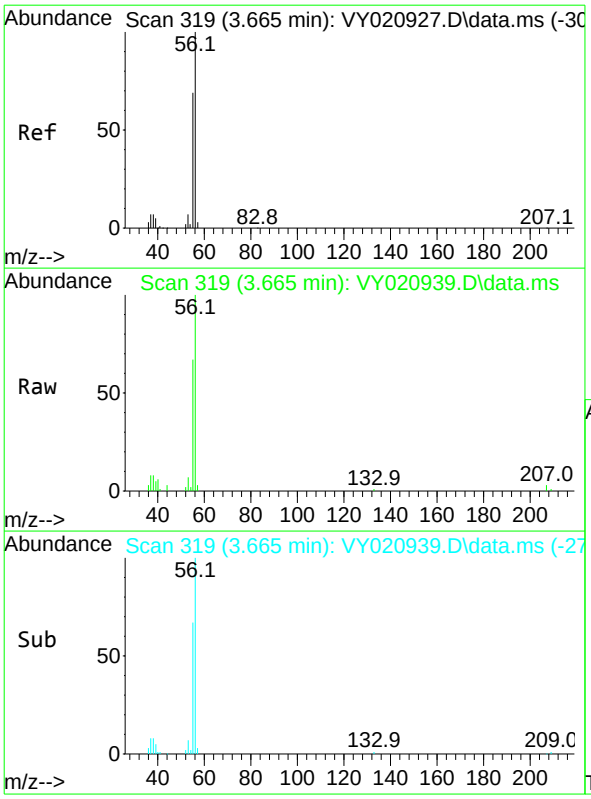


#12
1,1-Dichloroethene
Concen: 21.170 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 96 Resp: 48946

Ion	Ratio	Lower	Upper
96	100		
61	149.8	124.5	186.7
98	63.1	50.5	75.7

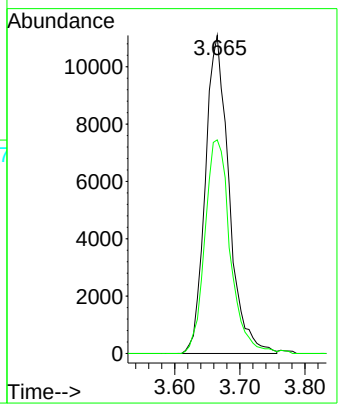




#13
Acrolein
Concen: 118.208 ug/l
RT: 3.665 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 56 Resp: 28093

Ion	Ratio	Lower	Upper
56	100		
55	71.7	54.6	81.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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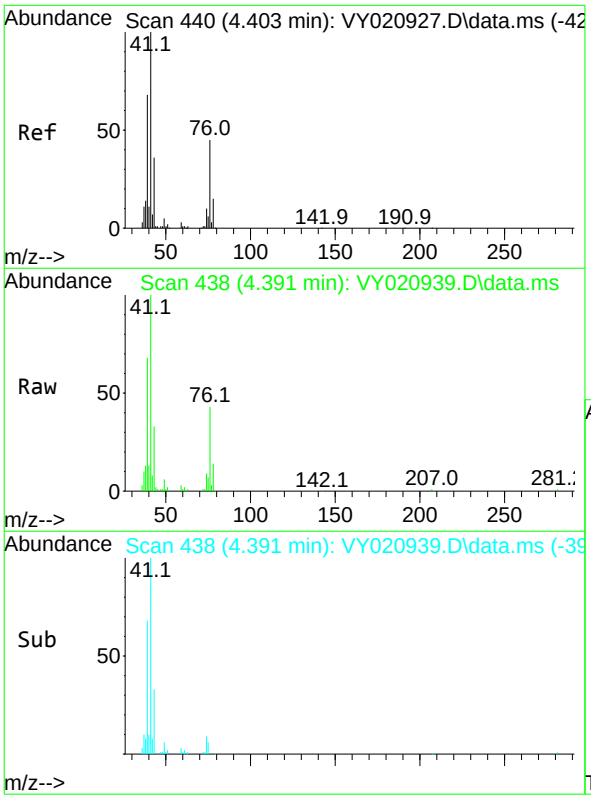
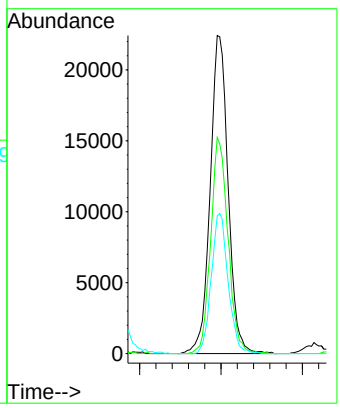
Supervised By :Semsettin Yesilyurt 01/28/2025

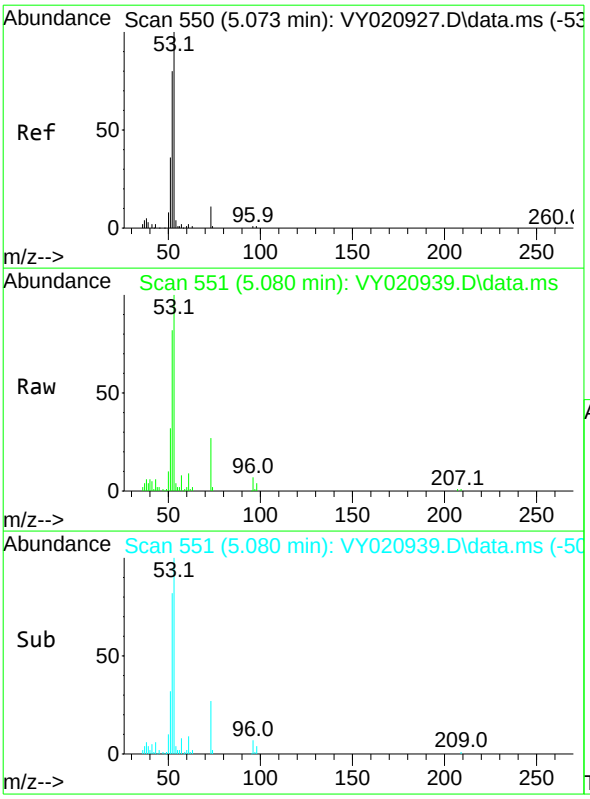


#14
Allyl chloride
Concen: 21.301 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.012 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 41 Resp: 68738

Ion	Ratio	Lower	Upper
41	100		
39	65.4	53.8	80.6
76	41.3	34.2	51.4

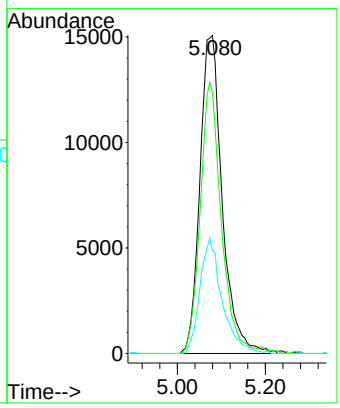




#15
Acrylonitrile
Concen: 118.575 ug/l
RT: 5.080 min Scan# 55
Delta R.T. 0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 53 Resp: 53151

Ion	Ratio	Lower	Upper
53	100		
52	80.1	64.5	96.7
51	35.9	28.9	43.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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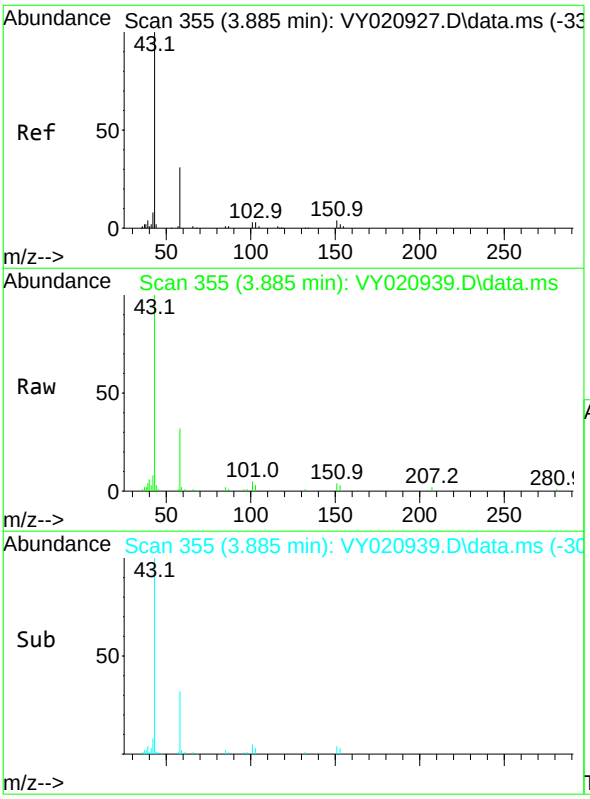
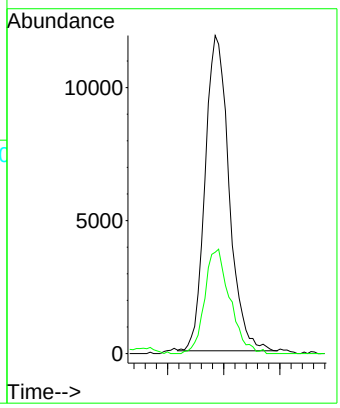
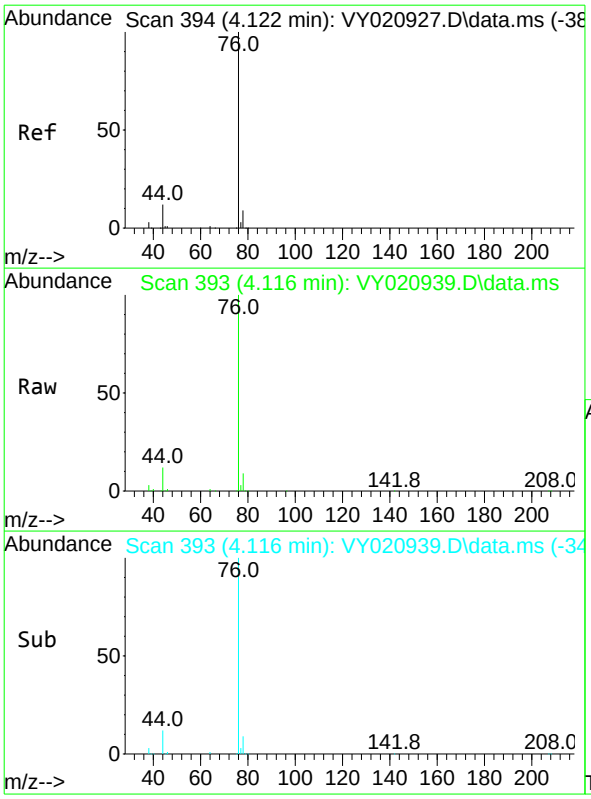


#16
Acetone
Concen: 114.319 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 43 Resp: 35174

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.6	38.4

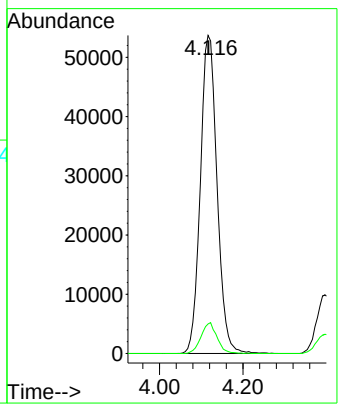




#17
Carbon Disulfide
Concen: 20.914 ug/l
RT: 4.116 min Scan# 39
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 76 Resp: 149327

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8



Instrument :
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ClientSampleId :
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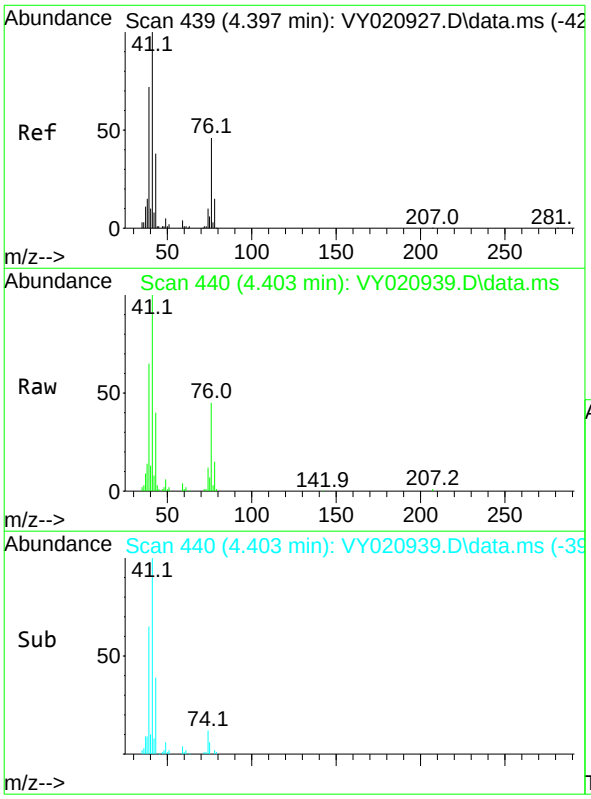
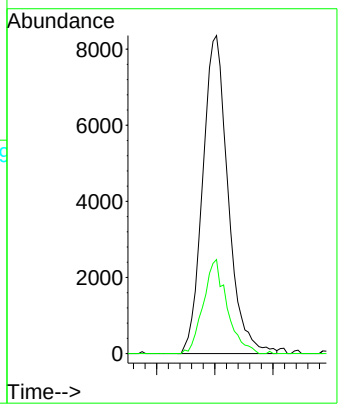
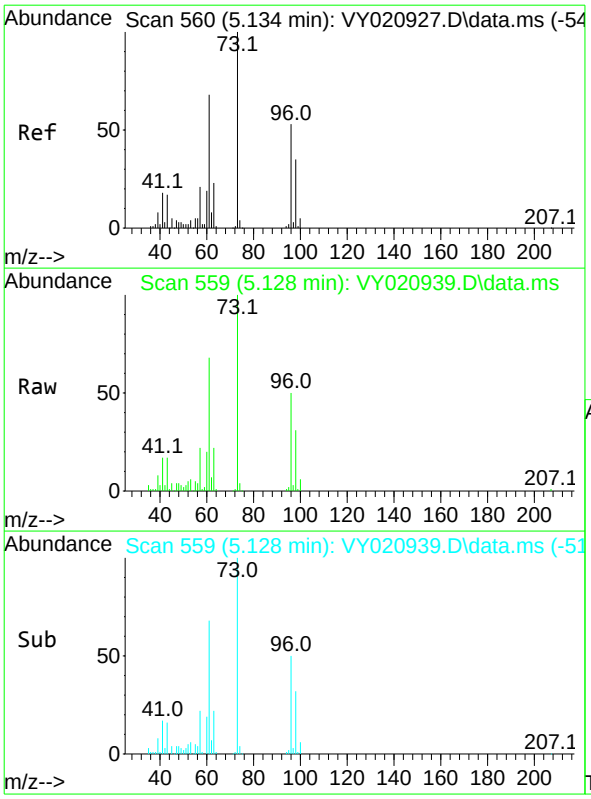


#18
Methyl Acetate
Concen: 22.770 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 43 Resp: 25309

Ion	Ratio	Lower	Upper
43	100		
74	27.7	21.0	31.6

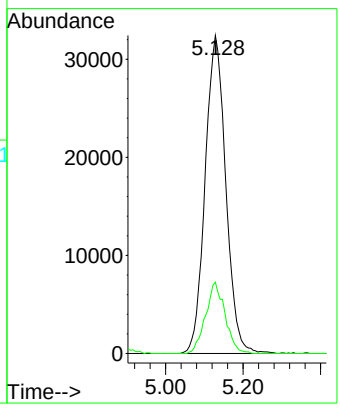




#19
Methyl tert-butyl Ether
Concen: 22.421 ug/l
RT: 5.128 min Scan# 55
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 73 Resp: 120063

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.0	25.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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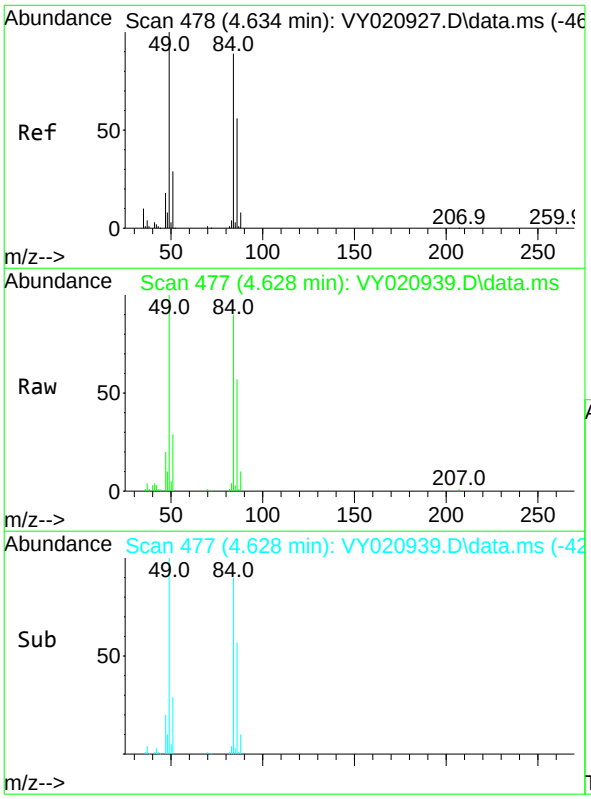
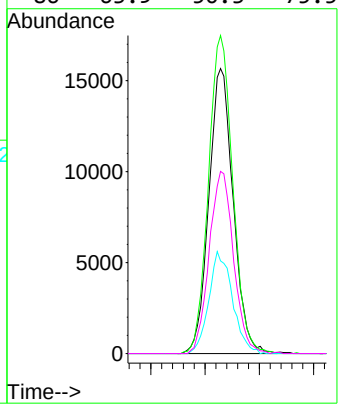
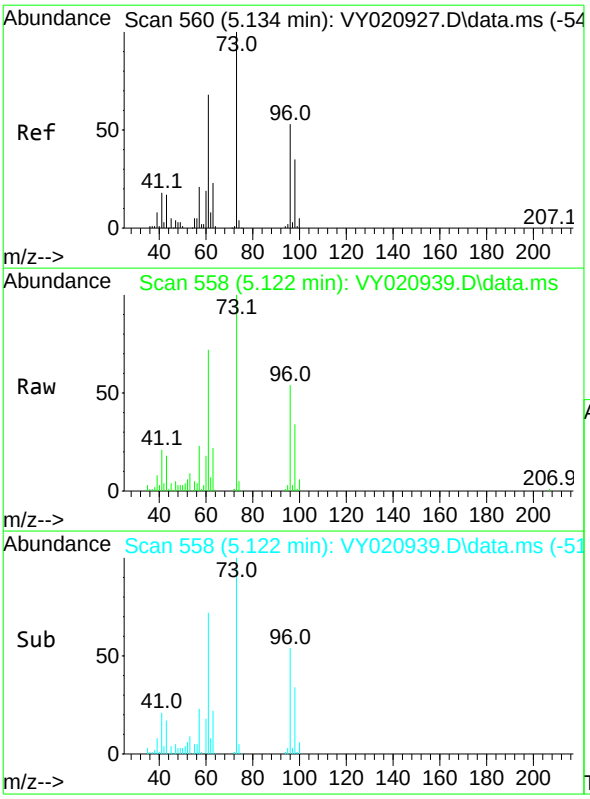


#20
Methylene Chloride
Concen: 21.323 ug/l
RT: 4.628 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 84 Resp: 48793

Ion	Ratio	Lower	Upper
84	100		
49	111.6	90.3	135.5
51	32.5	26.6	39.8
86	63.9	50.3	75.5

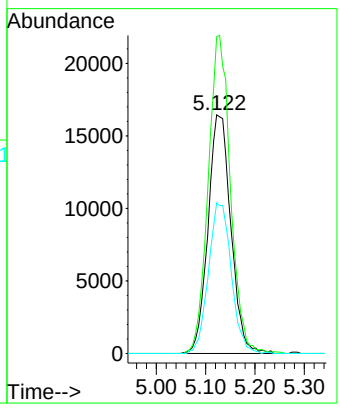




#21
trans-1,2-Dichloroethene
Concen: 21.255 ug/l
RT: 5.122 min Scan# 55
Delta R.T. -0.012 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 96 Resp: 52984

Ion	Ratio	Lower	Upper
96	100		
61	132.7	102.4	153.6
98	63.1	52.0	78.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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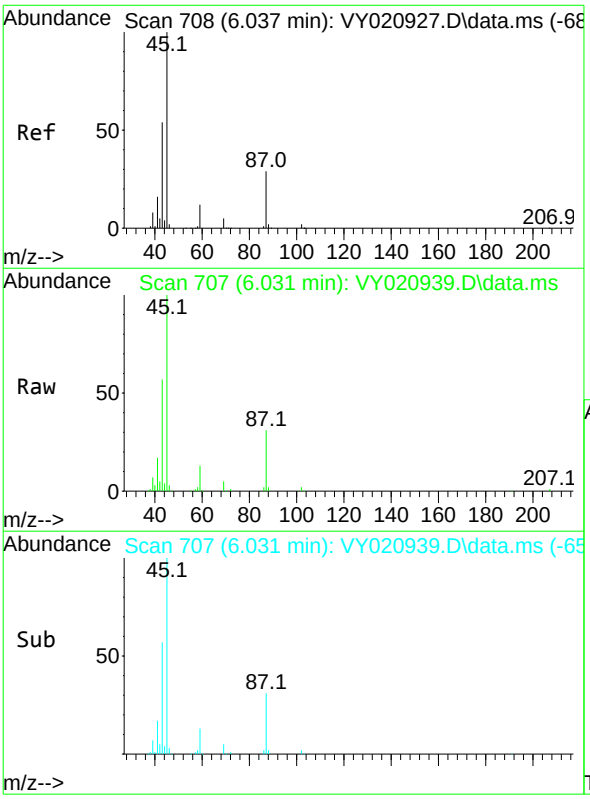
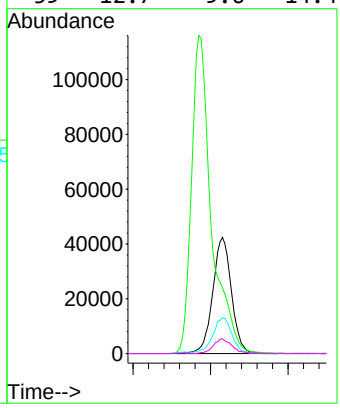
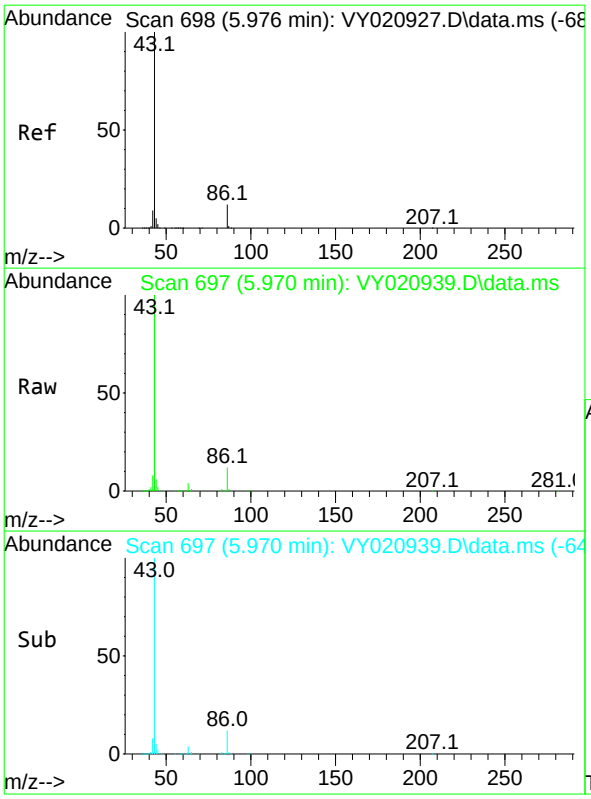


#22
Diisopropyl ether
Concen: 21.953 ug/l
RT: 6.031 min Scan# 707
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 45 Resp: 142495

Ion	Ratio	Lower	Upper
45	100		
43	56.3	43.2	64.8
87	30.8	23.4	35.0
59	12.7	9.6	14.4





#23
Vinyl Acetate
Concen: 115.245 ug/l
RT: 5.970 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 43 Resp: 413997

Ion	Ratio	Lower	Upper
43	100		
86	12.3	9.8	14.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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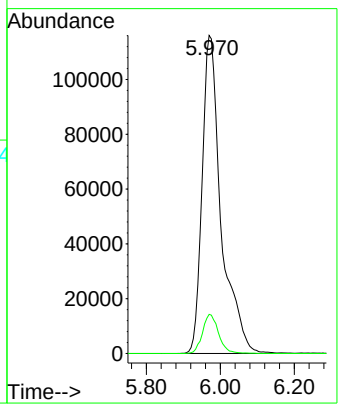
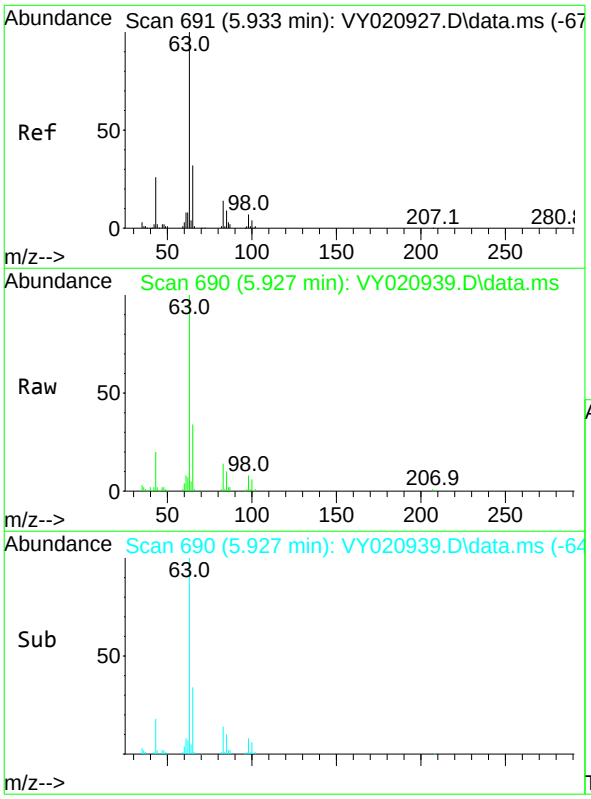
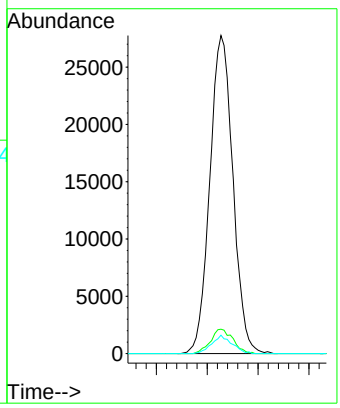


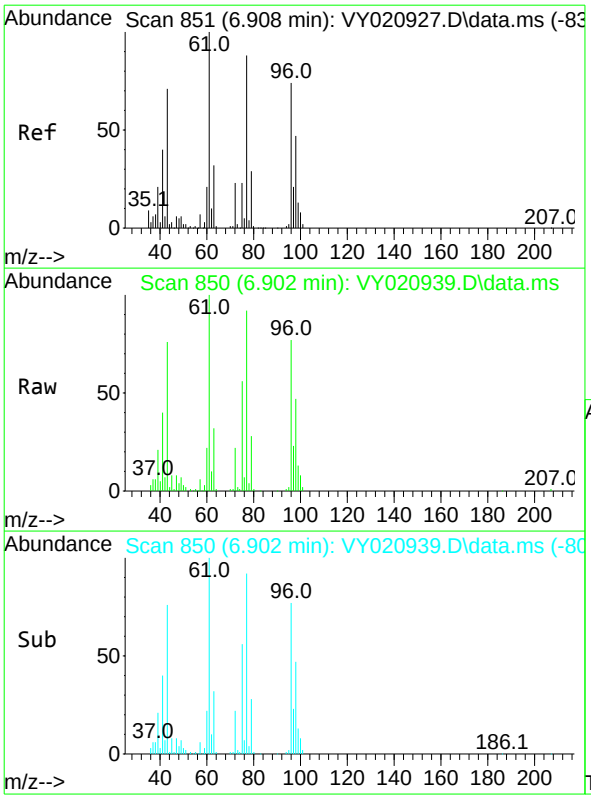


#24
1,1-Dichloroethane
Concen: 21.285 ug/l
RT: 5.927 min Scan# 690
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 63 Resp: 87580

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.7	11.1
100	5.8	2.3	6.8

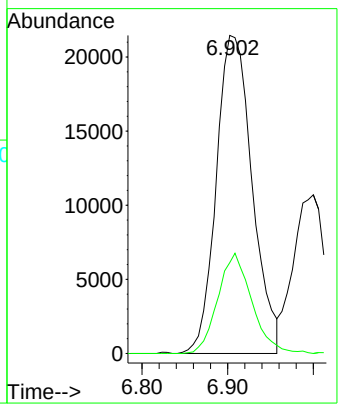




#25
2-Butanone
Concen: 120.223 ug/l
RT: 6.902 min Scan# 85
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 43 Resp: 62660

Ion	Ratio	Lower	Upper
43	100		
72	28.6	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
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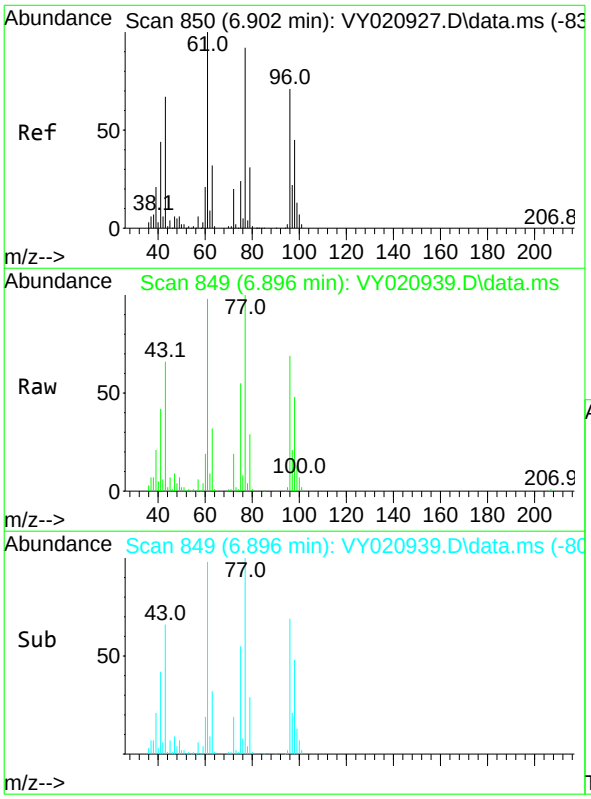
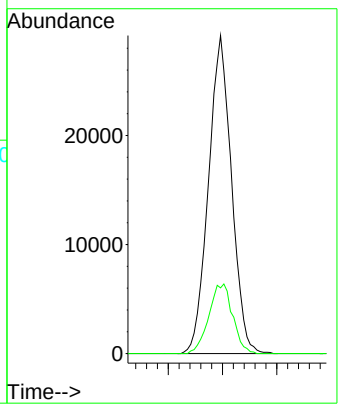
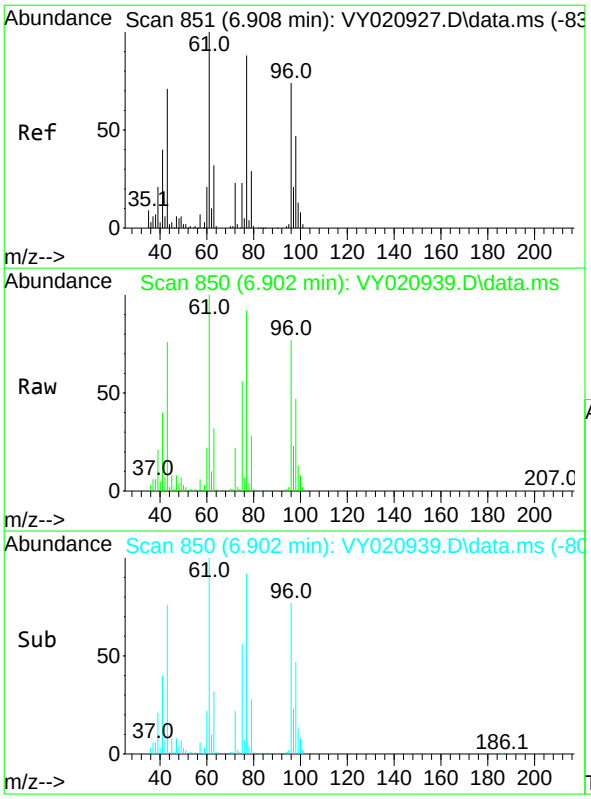


#26
2,2-Dichloropropane
Concen: 21.258 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 77 Resp: 86153

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.7	35.1





#27
cis-1,2-Dichloroethene
Concen: 21.437 ug/l
RT: 6.902 min Scan# 85
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 96 Resp: 60307

Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	275.2
98	64.2	0.0	129.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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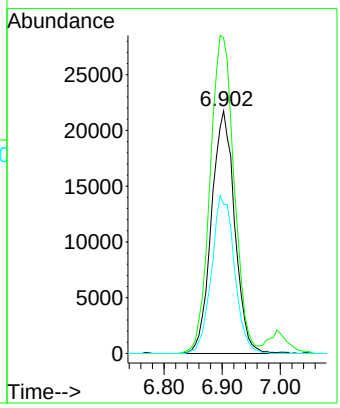
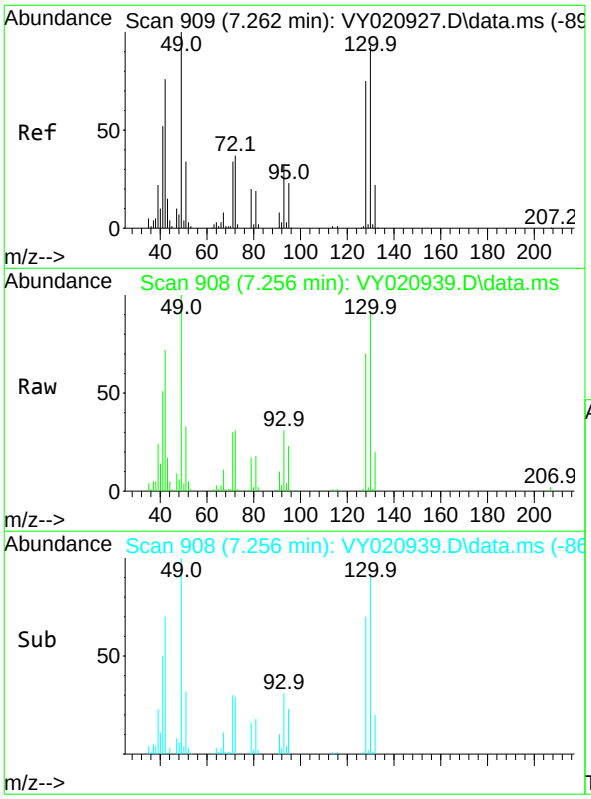
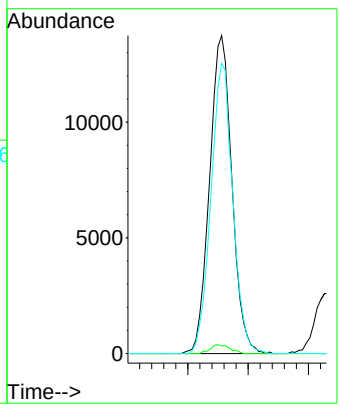


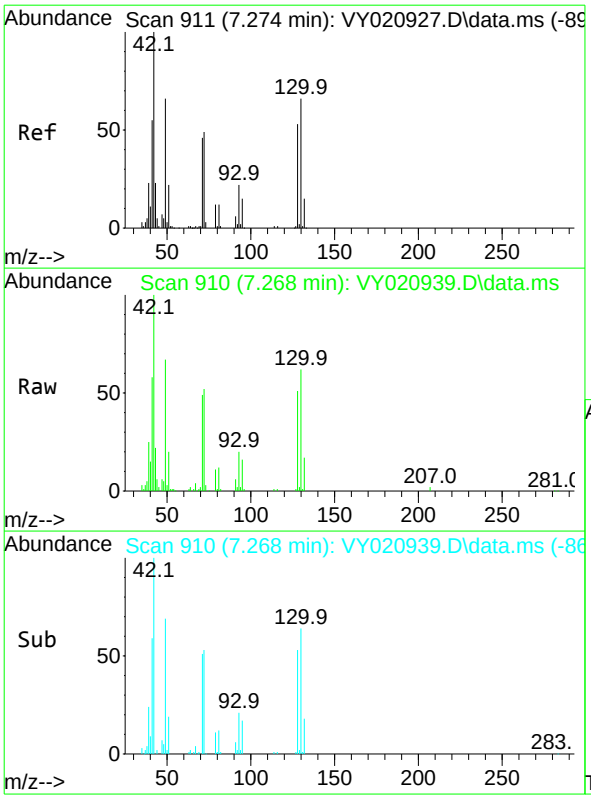


#28
Bromochloromethane
Concen: 21.362 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 49 Resp: 35375

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	89.2	72.6	109.0

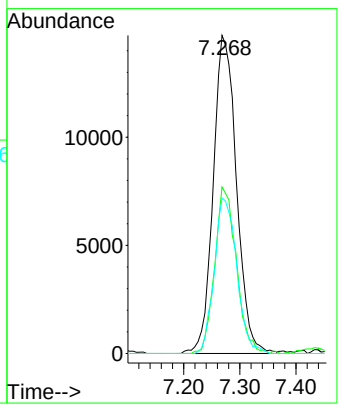




#29
Tetrahydrofuran
Concen: 121.924 ug/l
RT: 7.268 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 42 Resp: 42351

Ion	Ratio	Lower	Upper
42	100		
72	48.6	38.8	58.2
71	47.2	36.4	54.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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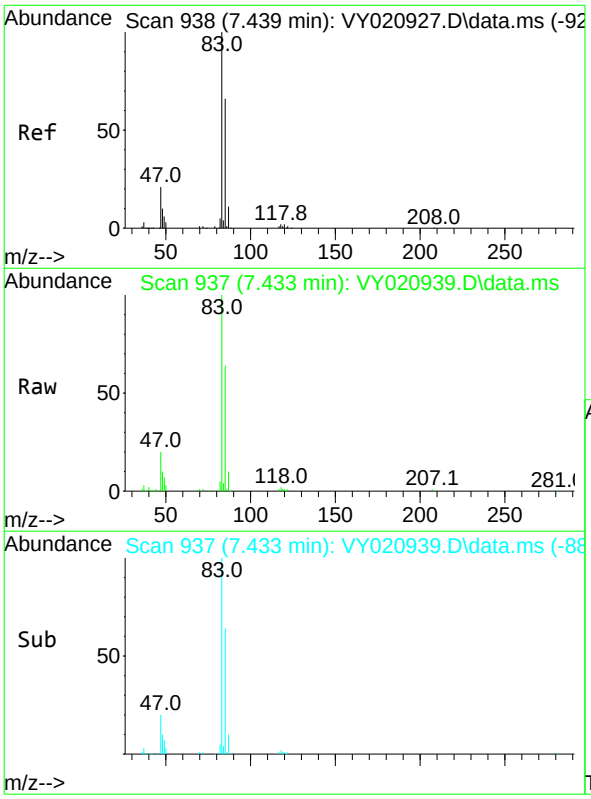
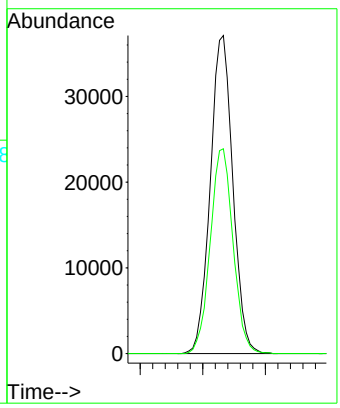
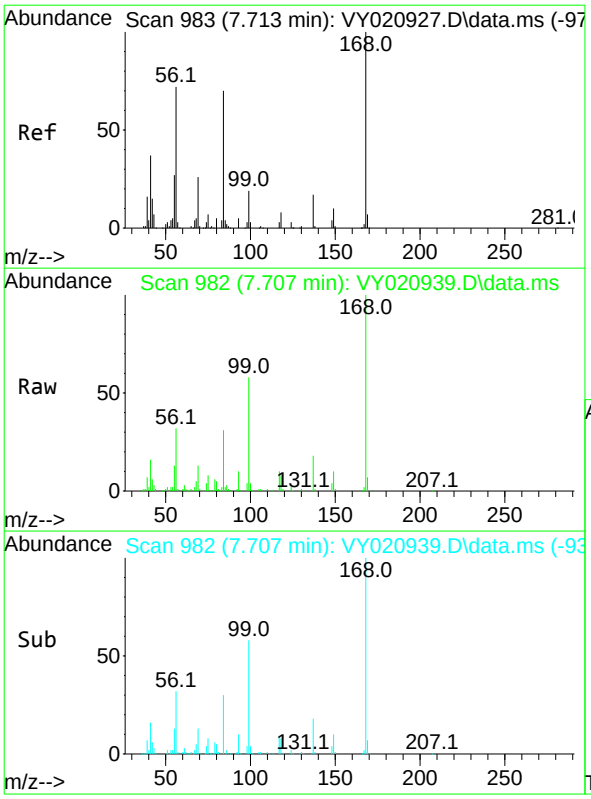


#30
Chloroform
Concen: 21.326 ug/l
RT: 7.433 min Scan# 937
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 83 Resp: 92869

Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.0	79.4





#31
Cyclohexane
Concen: 20.995 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 56 Resp: 84903

Ion	Ratio	Lower	Upper
56	100		
69	40.6	28.7	43.1
84	96.5	77.4	116.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations
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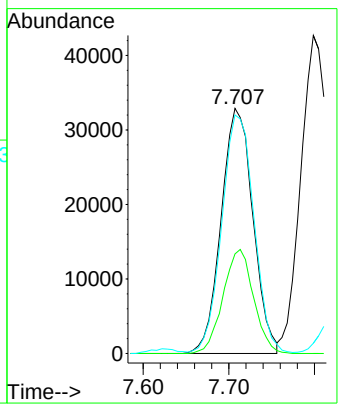
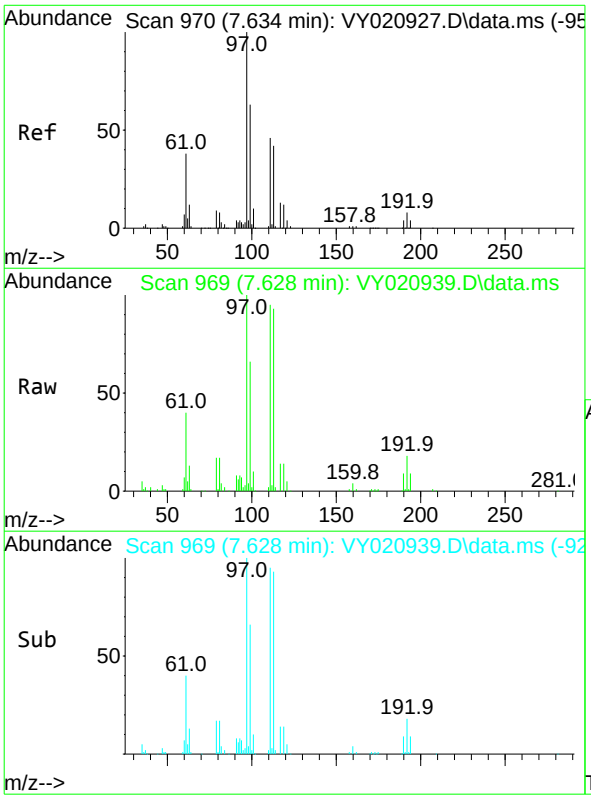
Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

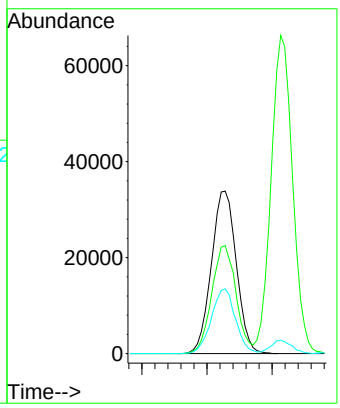


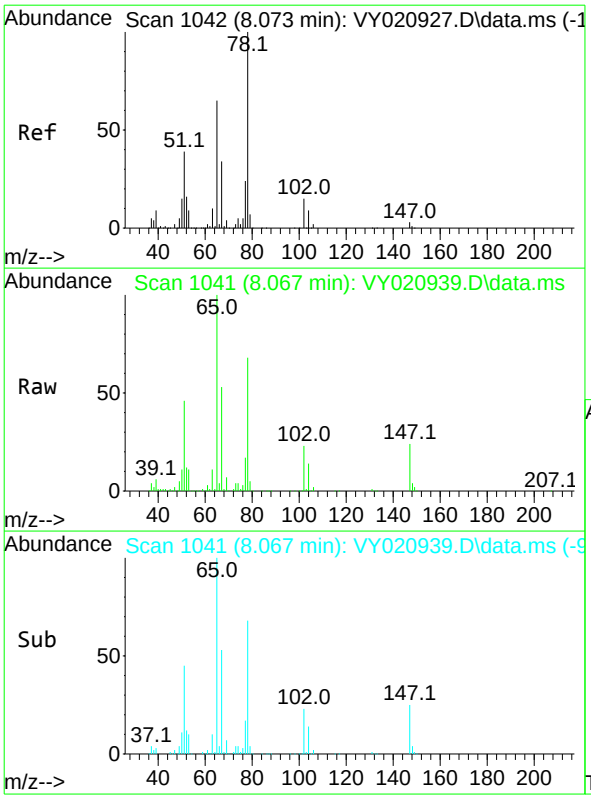


#32
1,1,1-Trichloroethane
Concen: 21.340 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 97 Resp: 90140

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.7	77.5
61	38.5	30.8	46.2

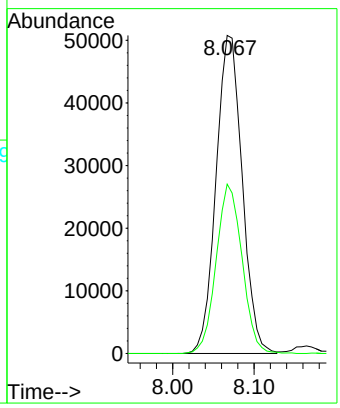




#33
1,2-Dichloroethane-d4
Concen: 49.894 ug/l
RT: 8.067 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 65 Resp: 113305

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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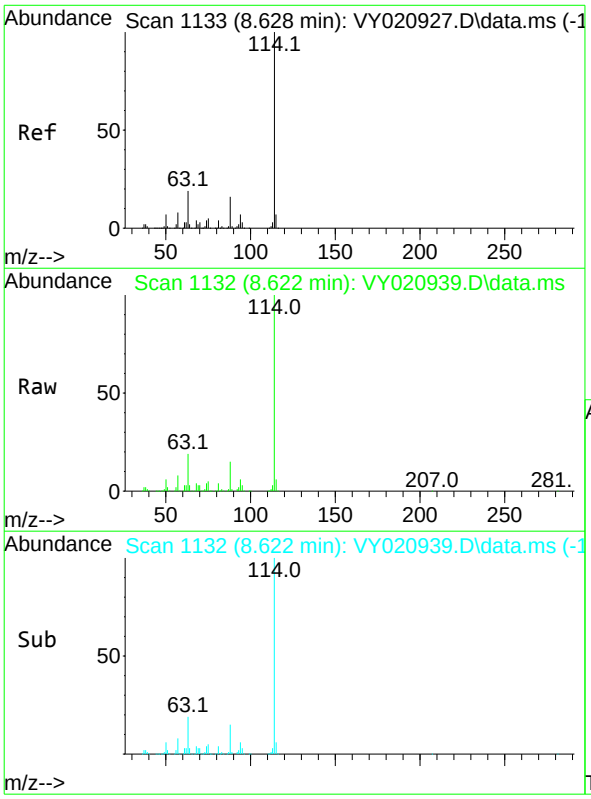
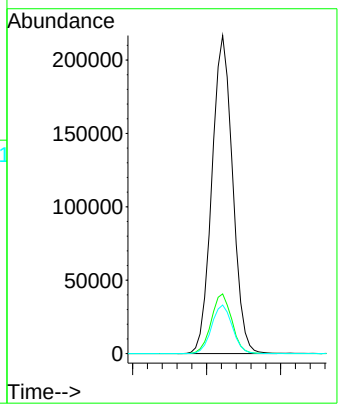
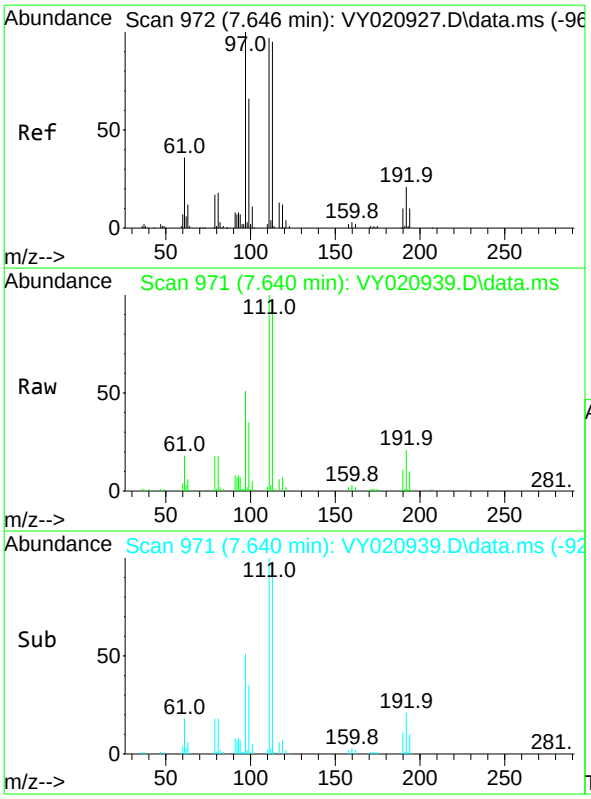


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:114 Resp: 421282

Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	38.4
88	15.3	0.0	31.6





#35
Dibromofluoromethane
Concen: 48.363 ug/l
RT: 7.640 min Scan# 97
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:113 Resp: 116966

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.3	123.5
192	21.9	17.4	26.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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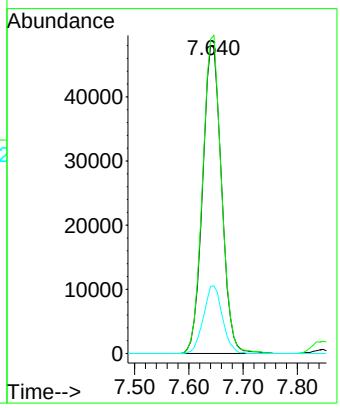
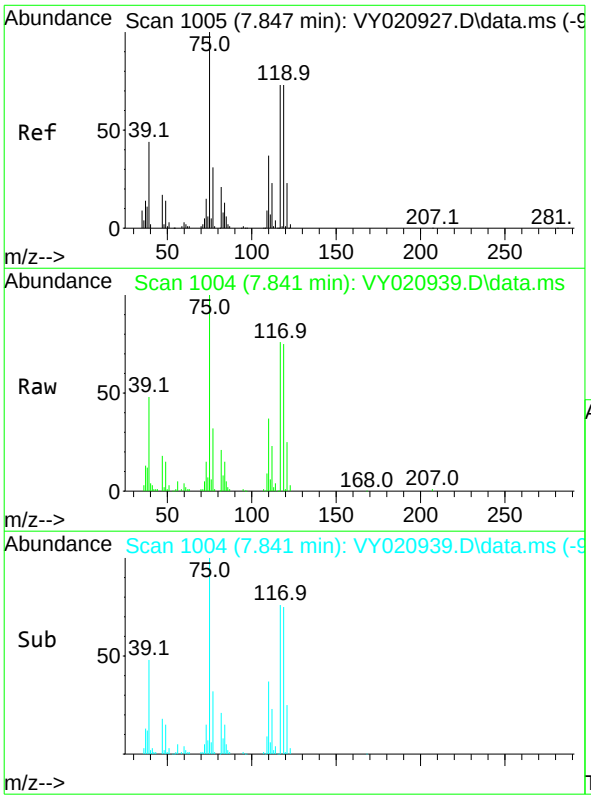
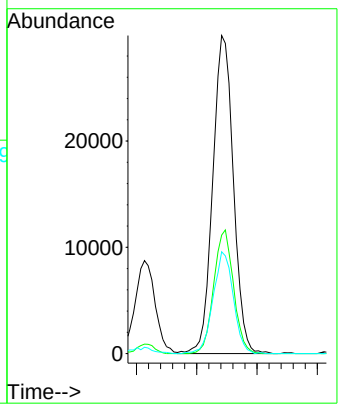


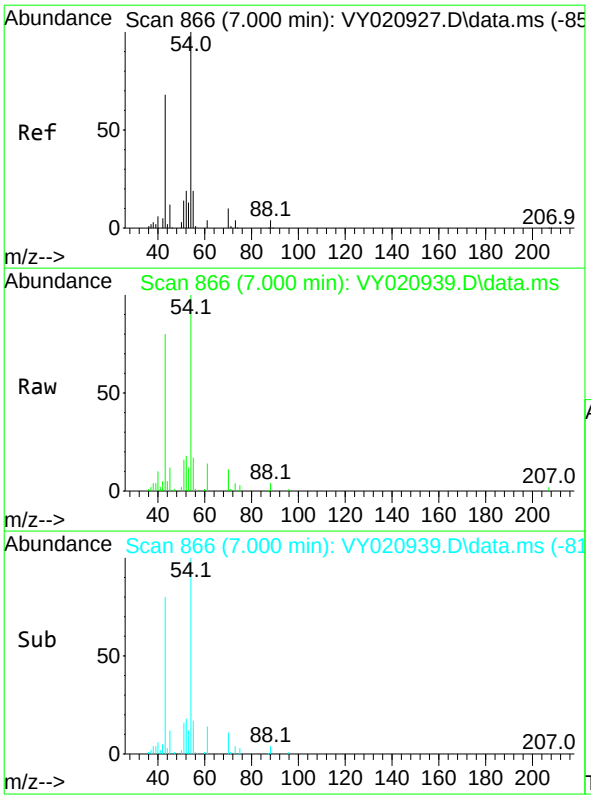


#36
1,1-Dichloropropene
Concen: 21.097 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 75 Resp: 71237

Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.5	55.5
77	31.4	25.0	37.4





#37
Ethyl Acetate
Concen: 23.056 ug/l
RT: 7.000 min Scan# 86
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 43 Resp: 30206

Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.1	18.1
70	11.6	9.5	14.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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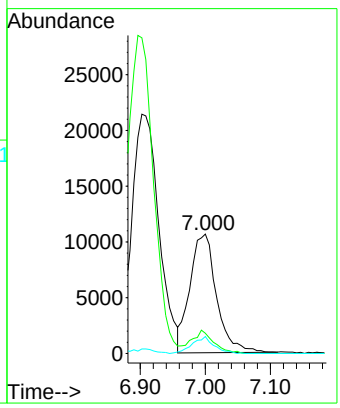
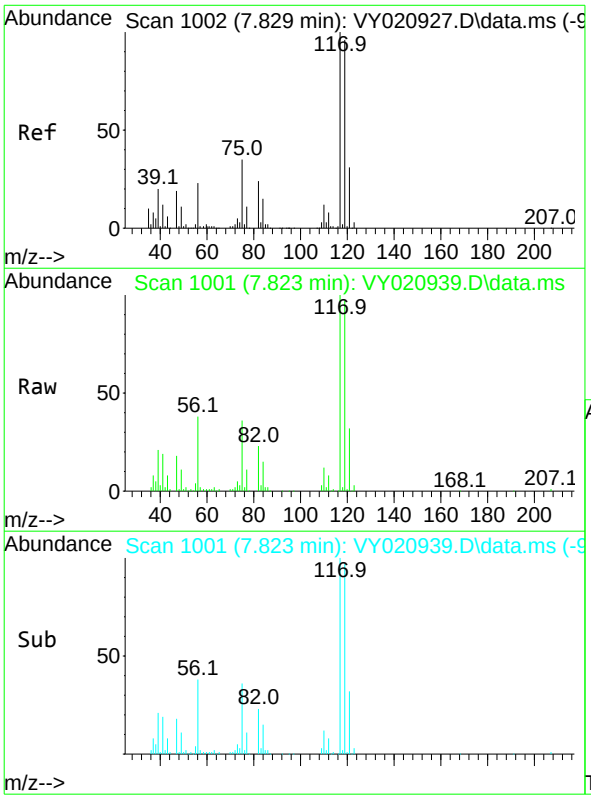
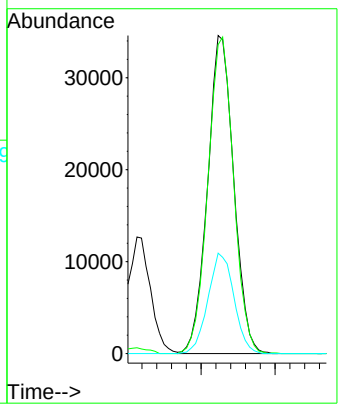


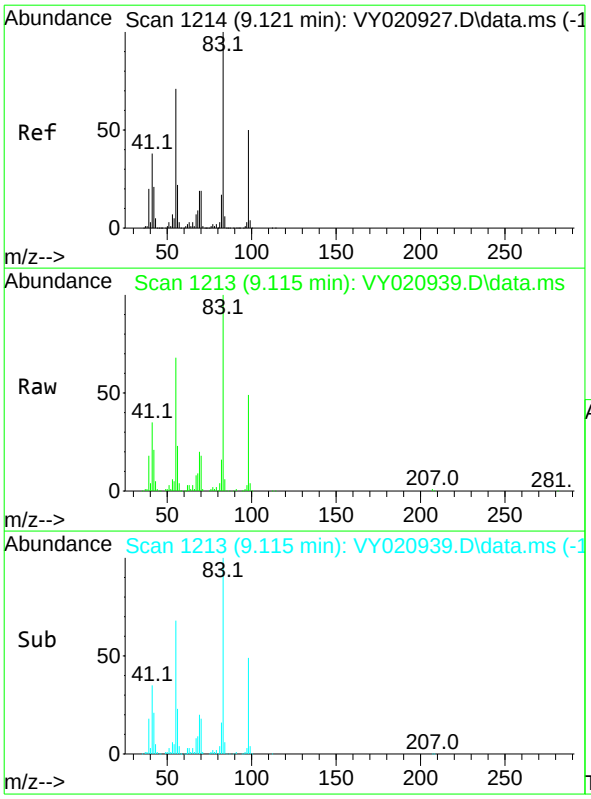


#38
Carbon Tetrachloride
Concen: 20.855 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:117 Resp: 84923

Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.5	114.7
121	31.6	25.0	37.4





#39
Methylcyclohexane
Concen: 20.969 ug/l
RT: 9.115 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 83 Resp: 95859

Ion	Ratio	Lower	Upper
83	100		
55	67.9	57.0	85.4
98	49.5	40.1	60.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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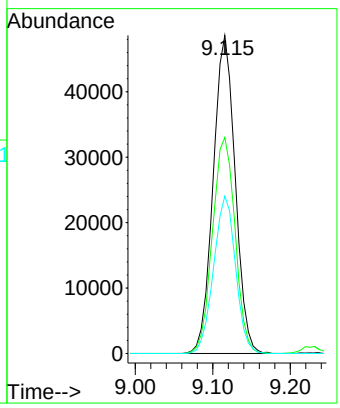
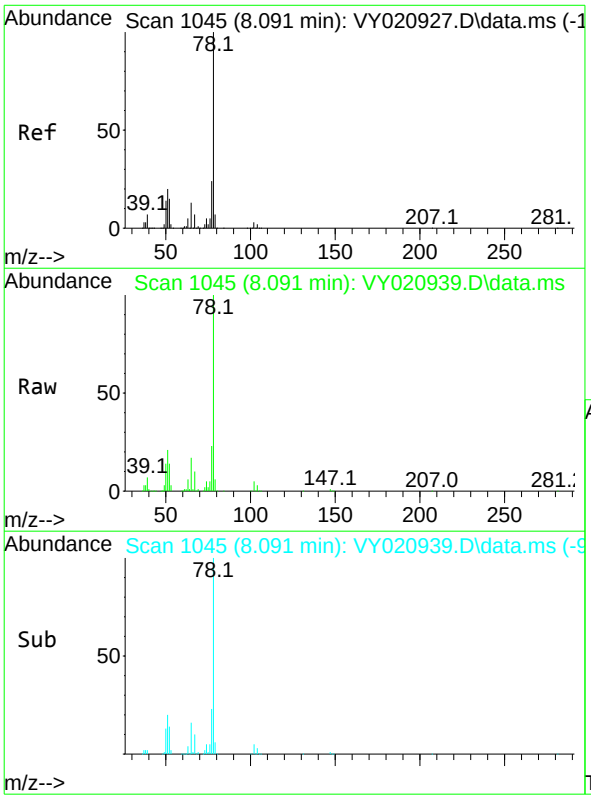
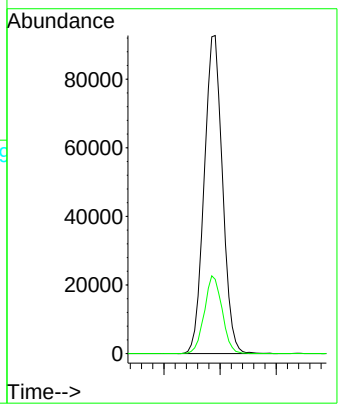


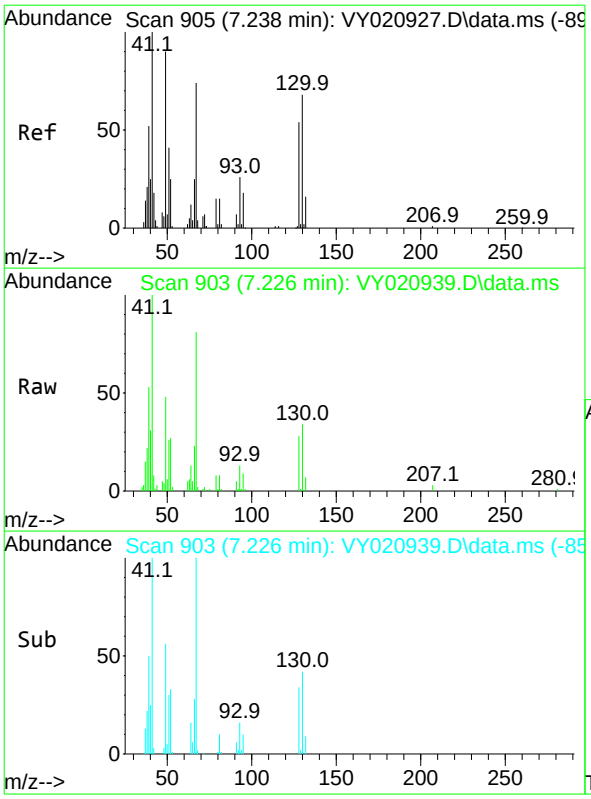


#40
Benzene
Concen: 21.178 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 78 Resp: 209800

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6

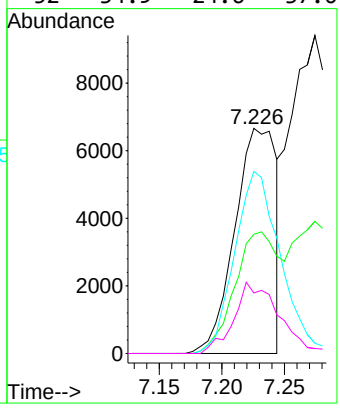




#41
Methacrylonitrile
Concen: 22.209 ug/l
RT: 7.226 min Scan# 90
Delta R.T. -0.012 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 41 Resp: 15370

Ion	Ratio	Lower	Upper
41	100		
39	59.6	46.4	69.6
67	90.1	66.7	100.1
52	34.9	24.6	37.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations
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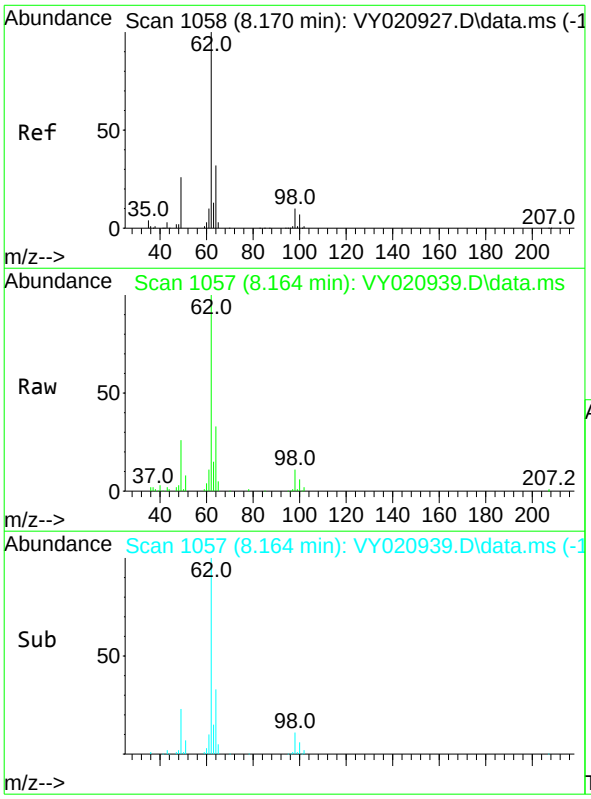
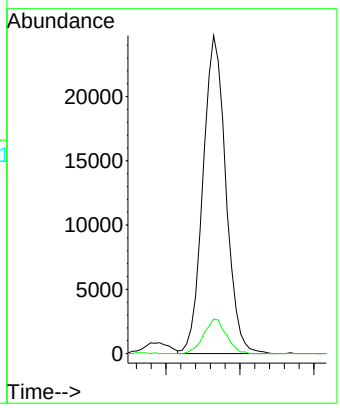
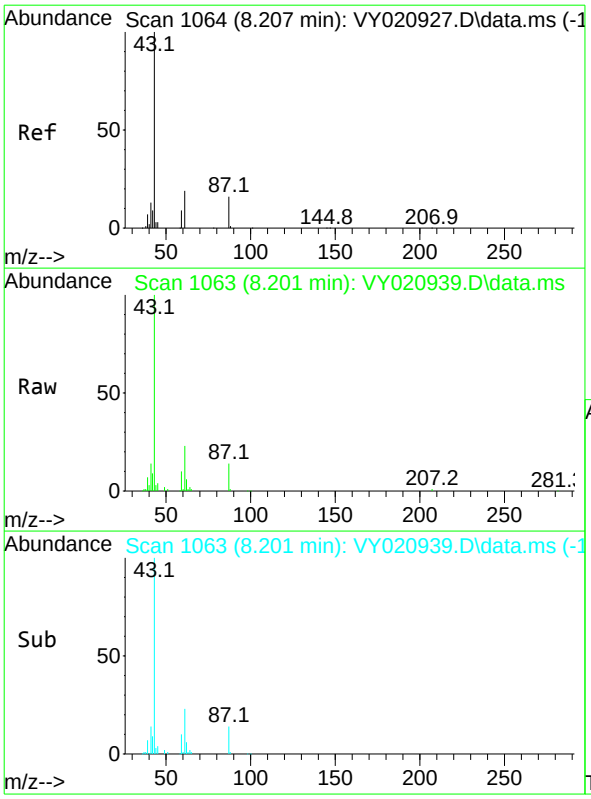


#42
1,2-Dichloroethane
Concen: 21.539 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 62 Resp: 53093

Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	19.8

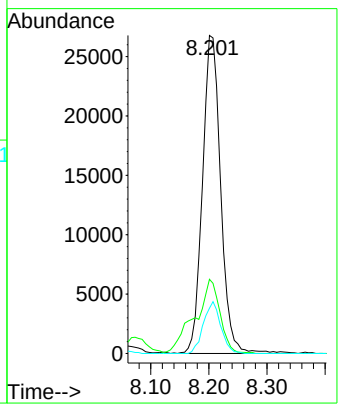




#43
Isopropyl Acetate
Concen: 23.436 ug/l
RT: 8.201 min Scan# 10
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 43 Resp: 58221

Ion	Ratio	Lower	Upper
43	100		
61	32.4	26.0	39.0
87	15.5	12.4	18.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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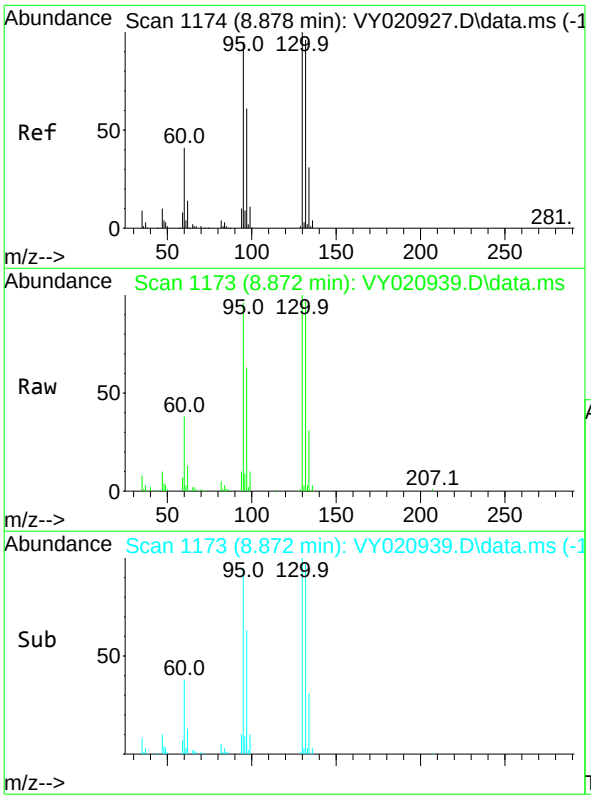
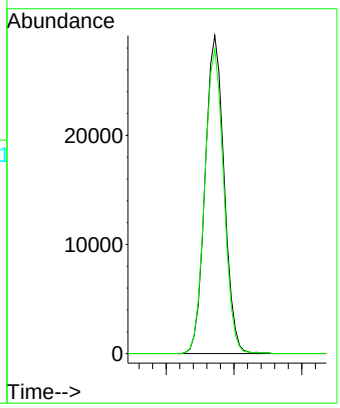
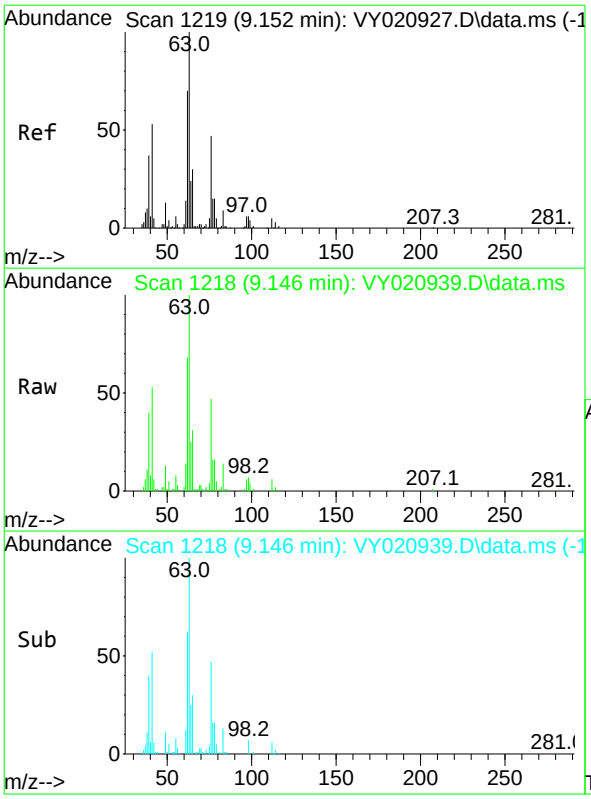


#44
Trichloroethene
Concen: 21.131 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:130 Resp: 56869

Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	189.4





#45
1,2-Dichloropropane
Concen: 21.329 ug/l
RT: 9.146 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 63 Resp: 46640

Ion	Ratio	Lower	Upper
63	100		
65	30.7	23.9	35.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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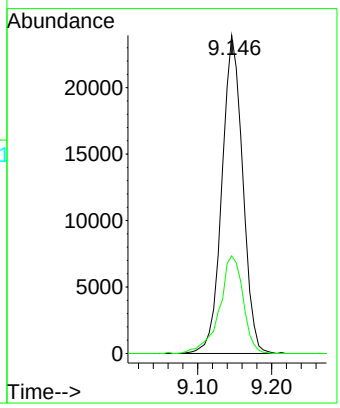
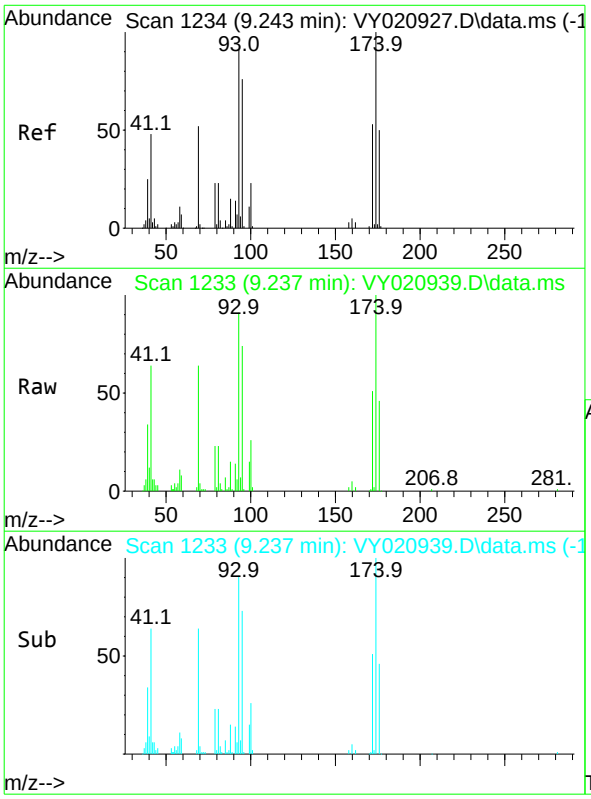
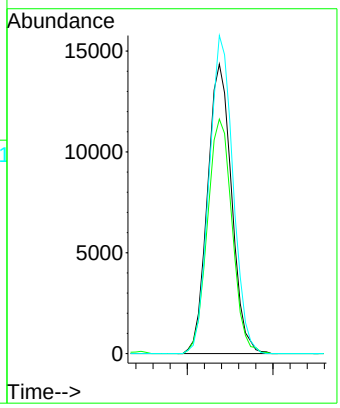


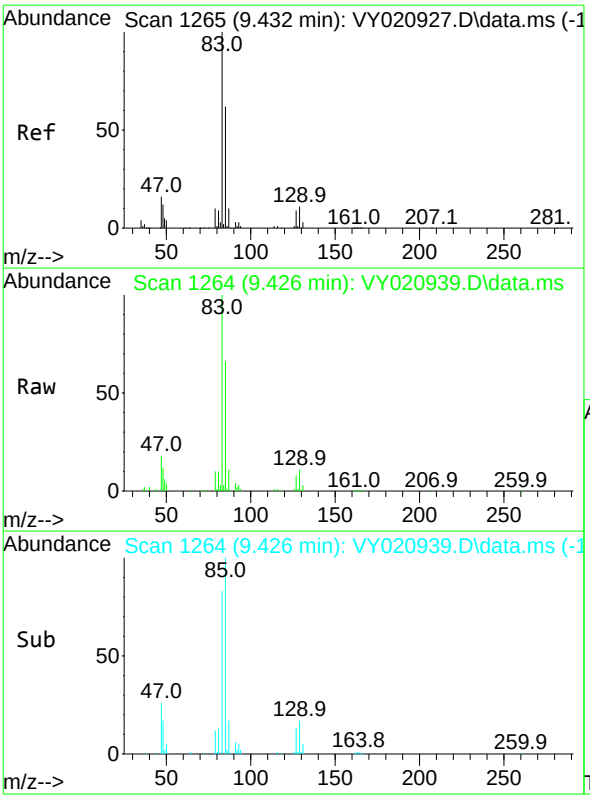


#46
Dibromomethane
Concen: 22.543 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 93 Resp: 28025

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.2	99.2
174	108.9	87.0	130.4

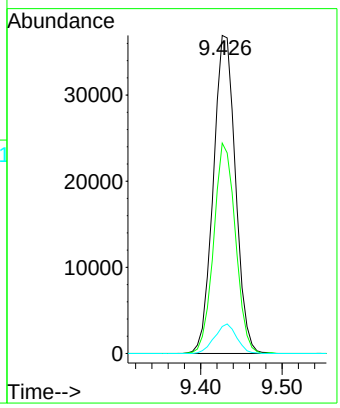




#47
Bromodichloromethane
Concen: 21.125 ug/l
RT: 9.426 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 83 Resp: 69877

Ion	Ratio	Lower	Upper
83	100		
85	66.1	49.3	73.9
127	8.5	7.4	11.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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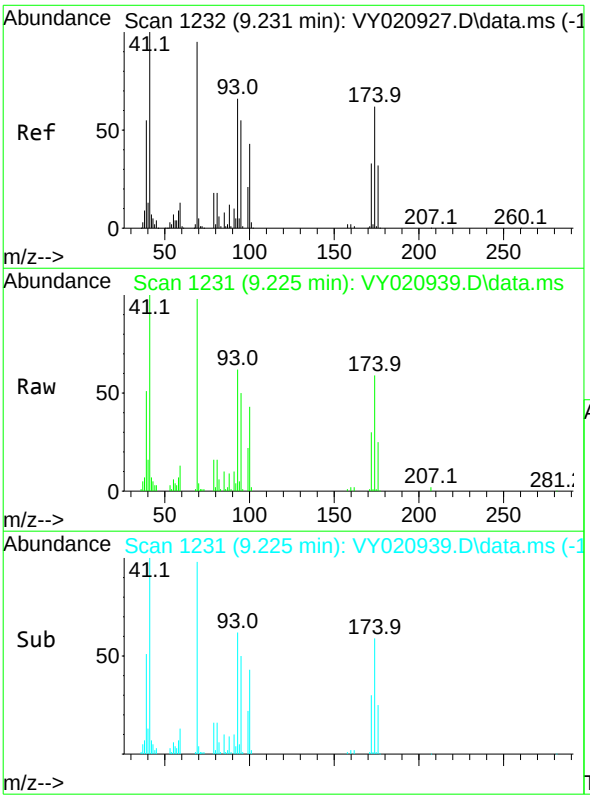
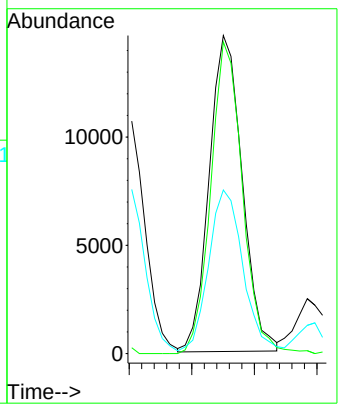
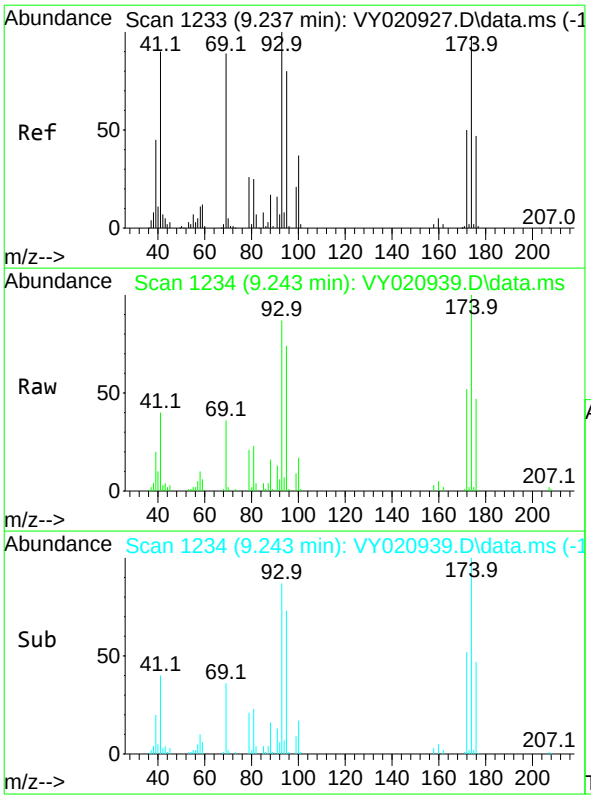


#48
Methyl methacrylate
Concen: 22.856 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 41 Resp: 26785

Ion	Ratio	Lower	Upper
41	100		
69	94.7	77.0	115.4
39	52.8	41.1	61.7





#49
1,4-Dioxane
Concen: 469.849 ug/l
RT: 9.243 min Scan# 12
Delta R.T. 0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Tgt Ion: 88 Resp: 6014

Ion	Ratio	Lower	Upper
88	100		
43	30.0	23.1	34.7
58	73.0	49.0	73.6

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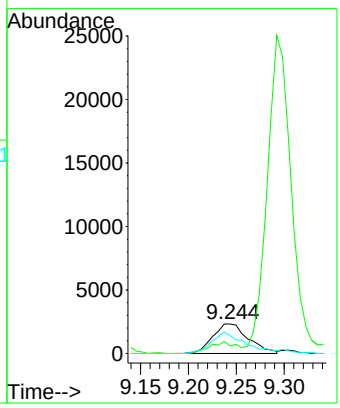
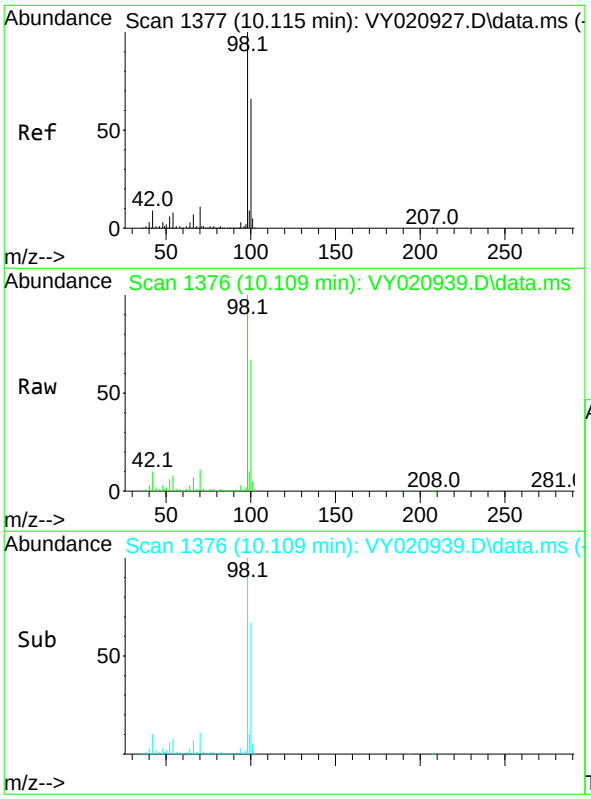
Supervised By :Semsettin Yesilyurt 01/28/2025

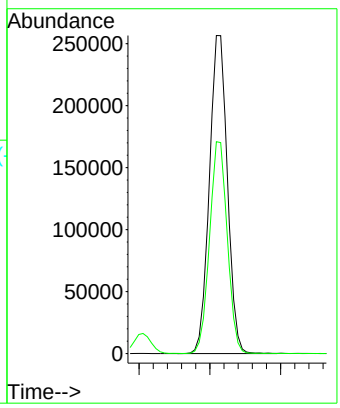


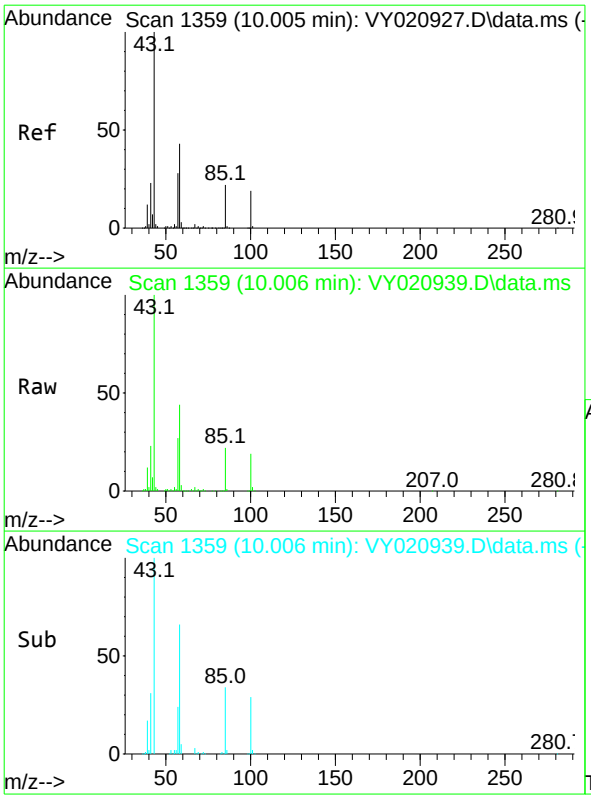


#50
Toluene-d8
Concen: 48.271 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 98 Resp: 452829

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.3	78.5





#51
4-Methyl-2-Pentanone
Concen: 119.182 ug/l
RT: 10.006 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 43 Resp: 149292

Ion	Ratio	Lower	Upper
43	100		
58	43.2	33.7	50.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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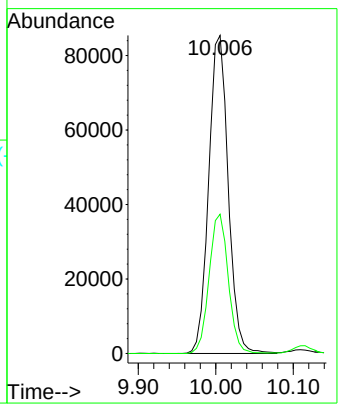
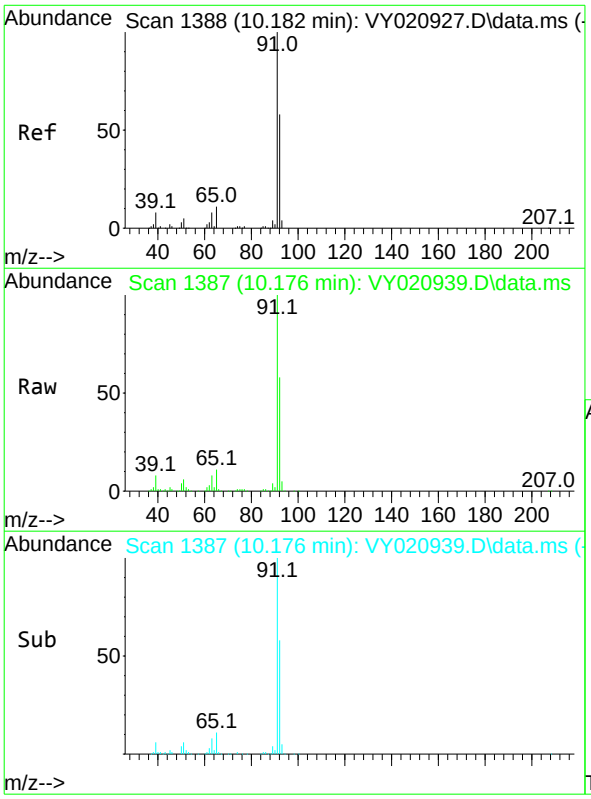
Supervised By :Semsettin Yesilyurt 01/28/2025

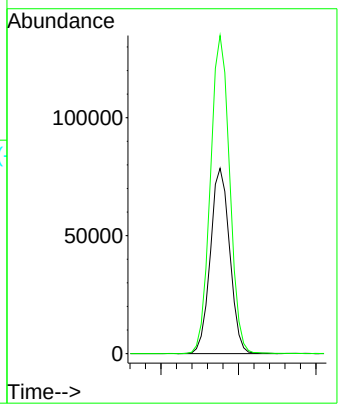


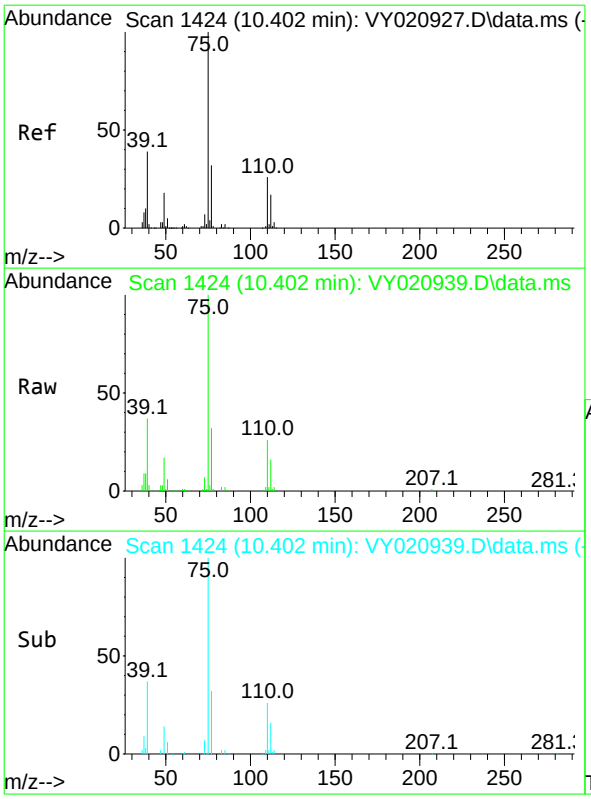


#52
Toluene
Concen: 21.339 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 92 Resp: 135955

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.3	205.9

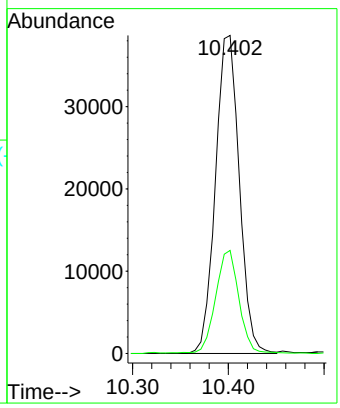




#53
t-1,3-Dichloropropene
Concen: 22.037 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 75 Resp: 66836

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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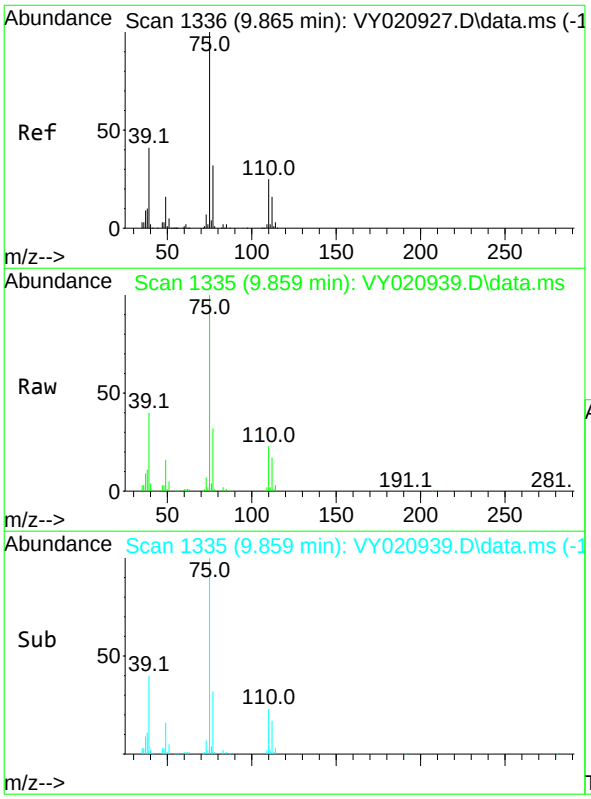
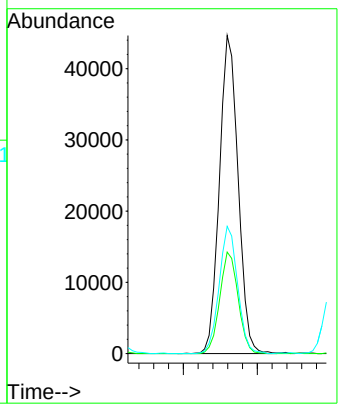
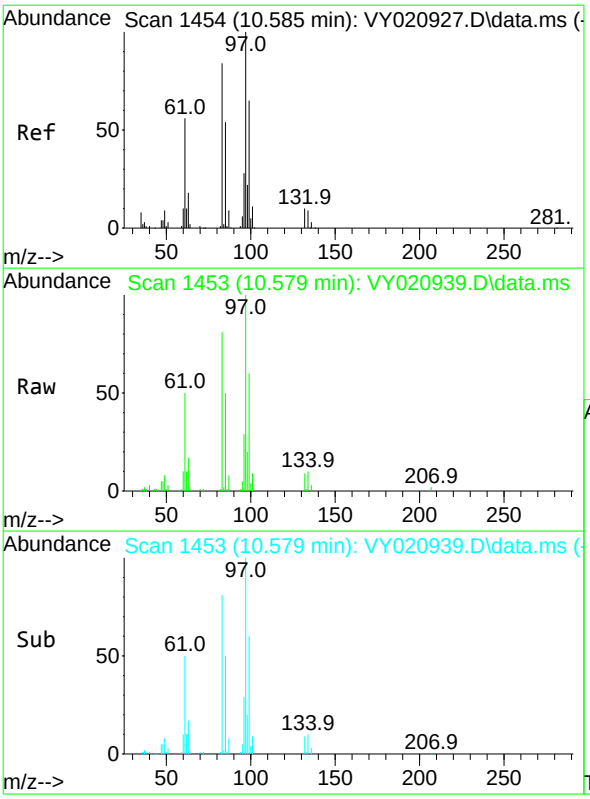


#54
cis-1,3-Dichloropropene
Concen: 21.653 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 75 Resp: 78415

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5
39	40.0	32.8	49.2

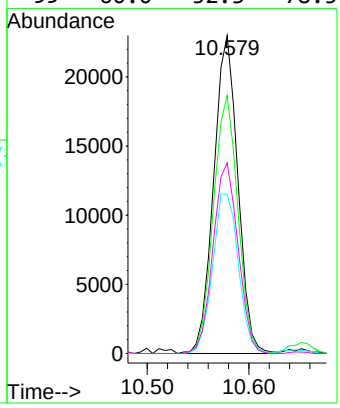




#55
1,1,2-Trichloroethane
Concen: 22.587 ug/l
RT: 10.579 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 97 Resp: 37955

Ion	Ratio	Lower	Upper
97	100		
83	81.1	67.0	100.6
85	50.0	43.1	64.7
99	60.0	52.3	78.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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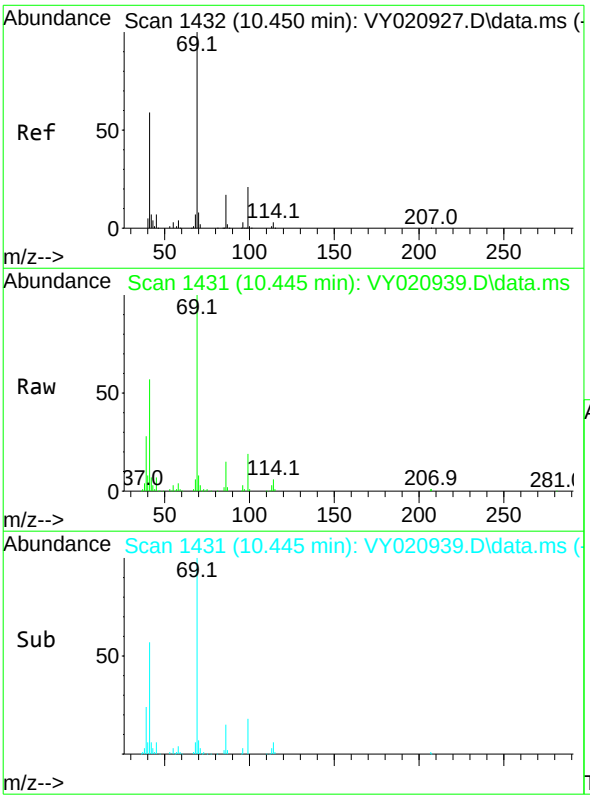
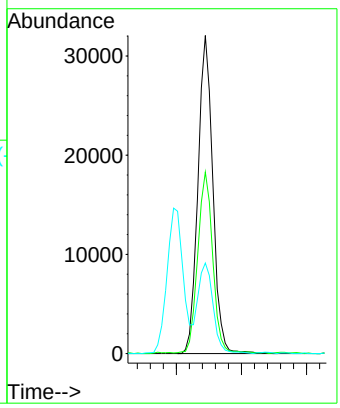
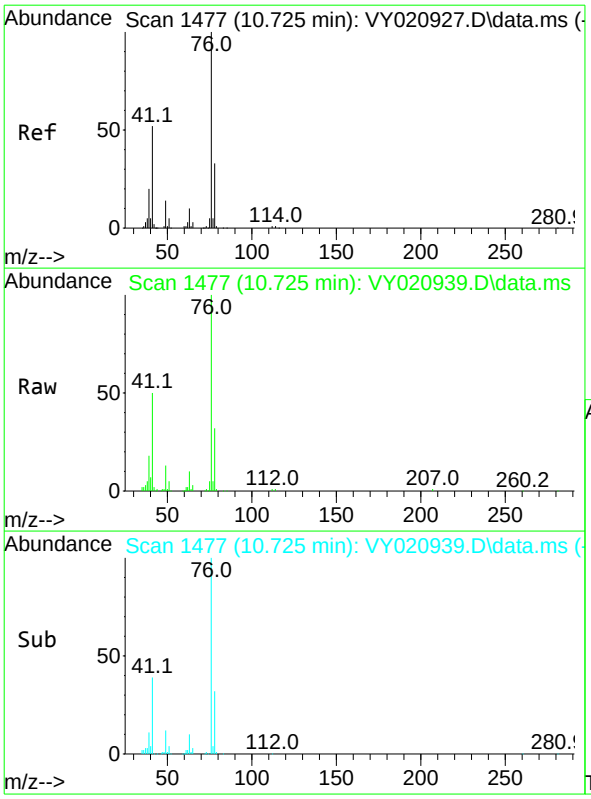


#56
Ethyl methacrylate
Concen: 23.086 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 69 Resp: 50841

Ion	Ratio	Lower	Upper
69	100		
41	58.1	46.6	70.0
39	30.4	23.9	35.9

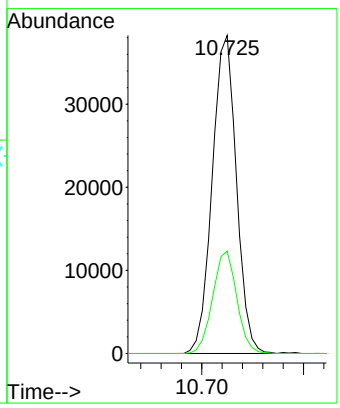




#57
1,3-Dichloropropane
Concen: 22.109 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 76 Resp: 63115

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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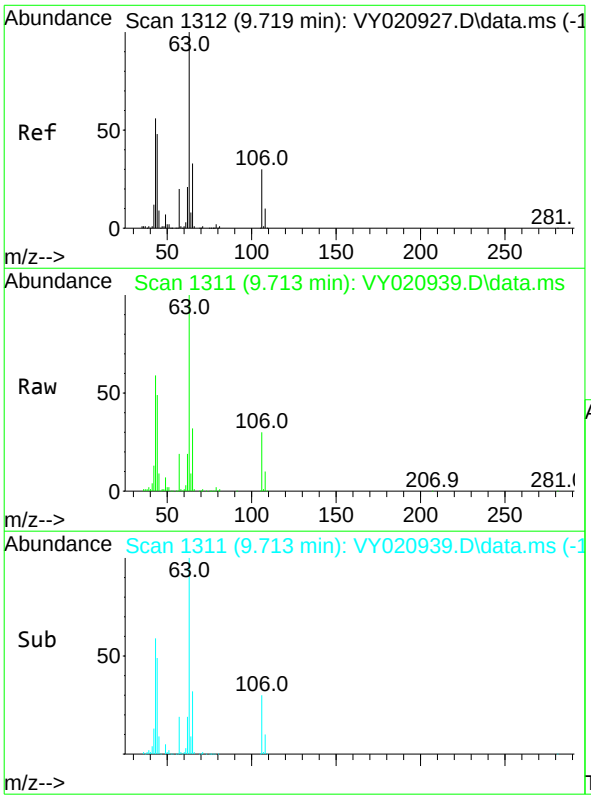
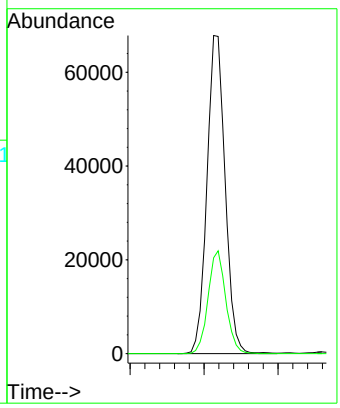
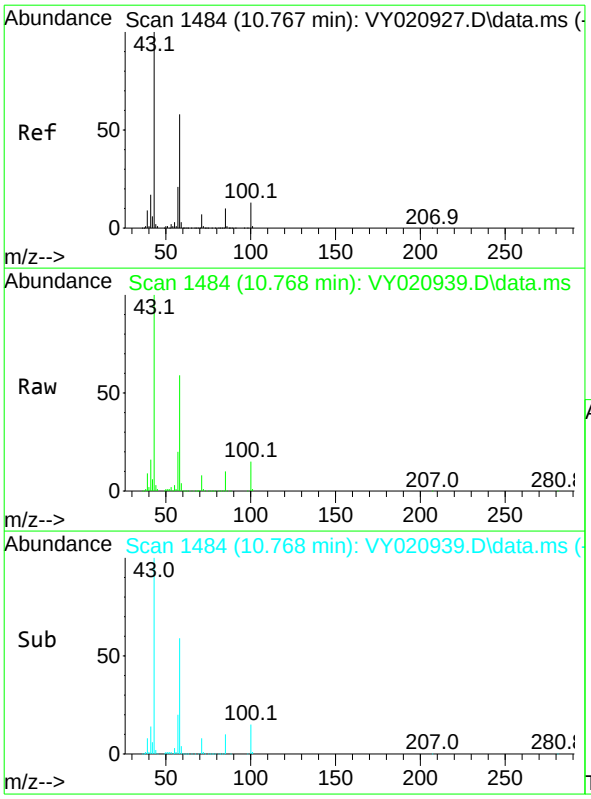


#58
2-Chloroethyl Vinyl ether
Concen: 115.673 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 63 Resp: 115619

Ion	Ratio	Lower	Upper
63	100		
106	31.4	24.7	37.1

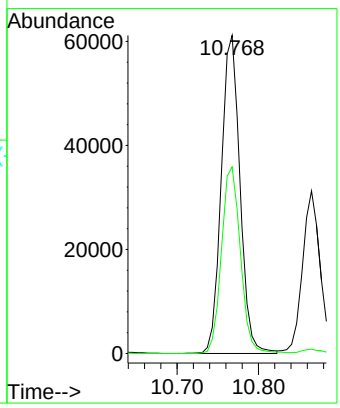




#59
2-Hexanone
Concen: 121.392 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 43 Resp: 97780

Ion	Ratio	Lower	Upper
43	100		
58	59.5	29.9	89.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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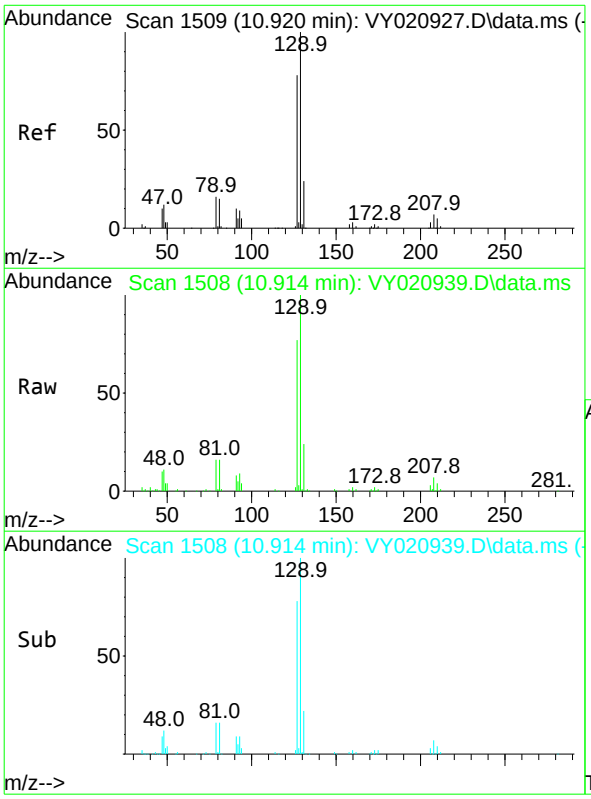
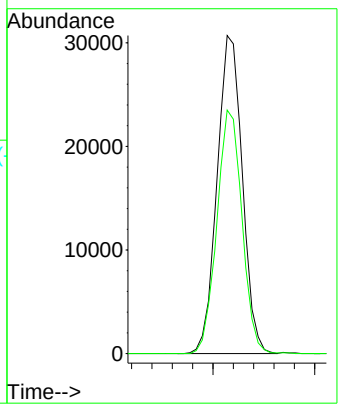
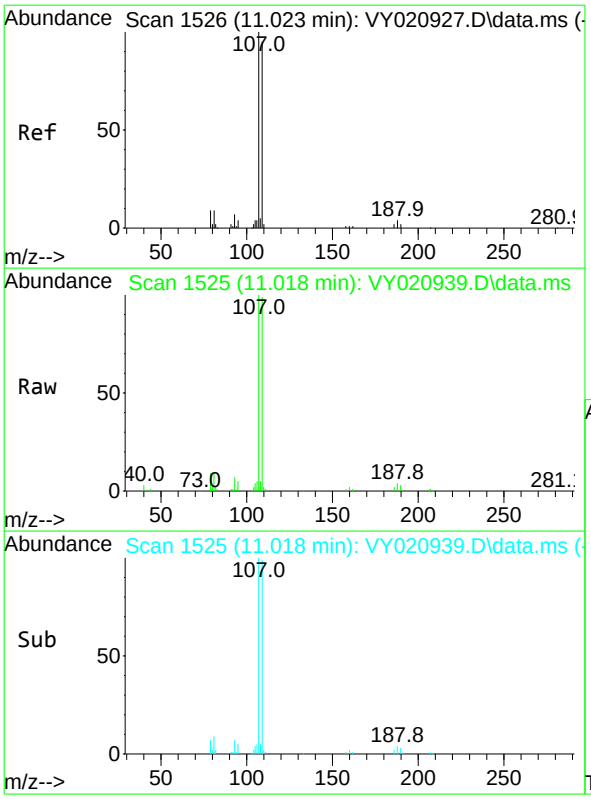


#60
Dibromochloromethane
Concen: 22.348 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:129 Resp: 52852

Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.2	117.6





#61
1,2-Dibromoethane
Concen: 22.541 ug/l
RT: 11.018 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:107 Resp: 36229

Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.3	114.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations
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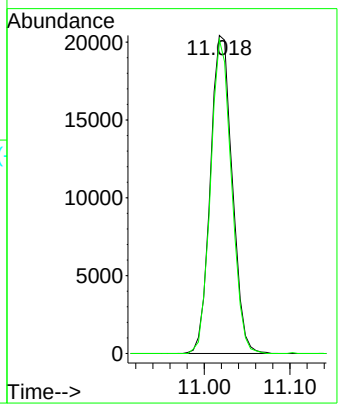
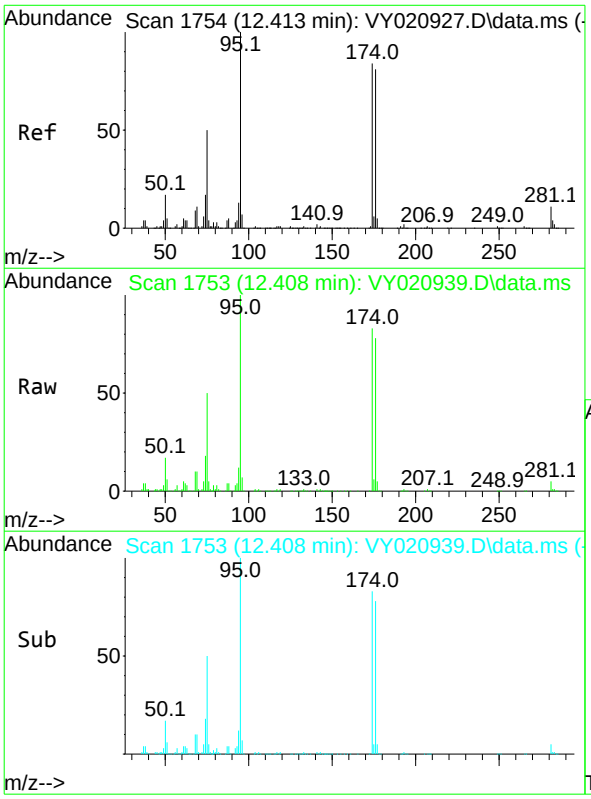
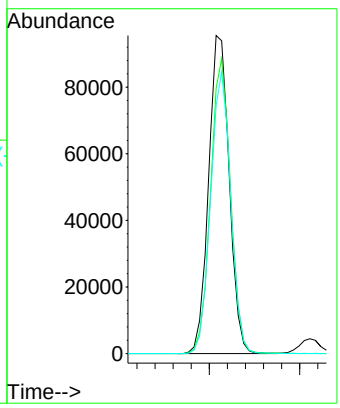


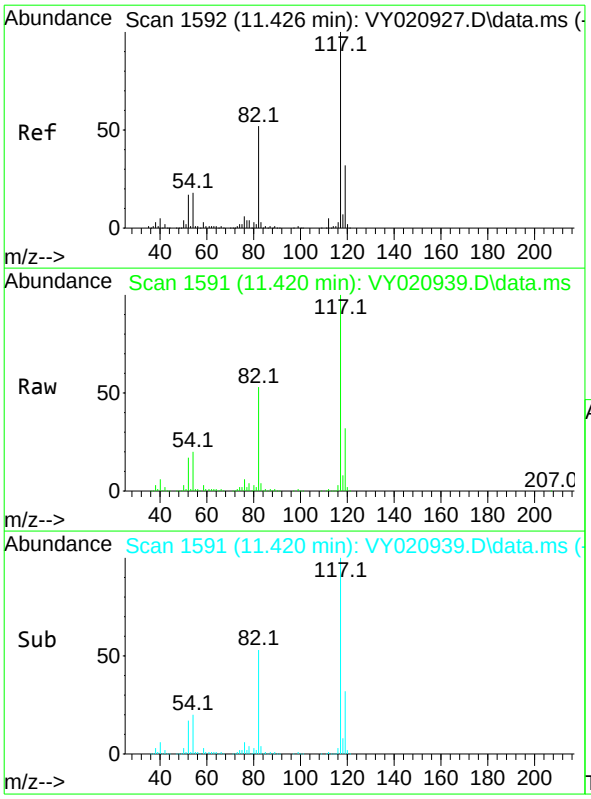


#62
4-Bromofluorobenzene
Concen: 48.345 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 95 Resp: 150937

Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	177.4
176	86.4	0.0	172.2

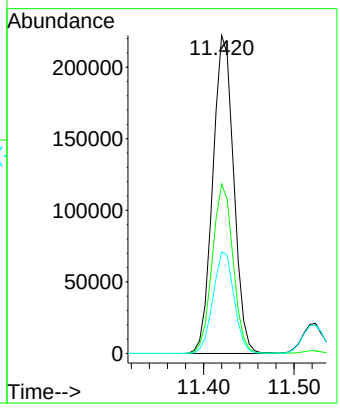




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:117 Resp: 357449

Ion	Ratio	Lower	Upper
117	100		
82	53.3	41.8	62.8
119	31.9	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
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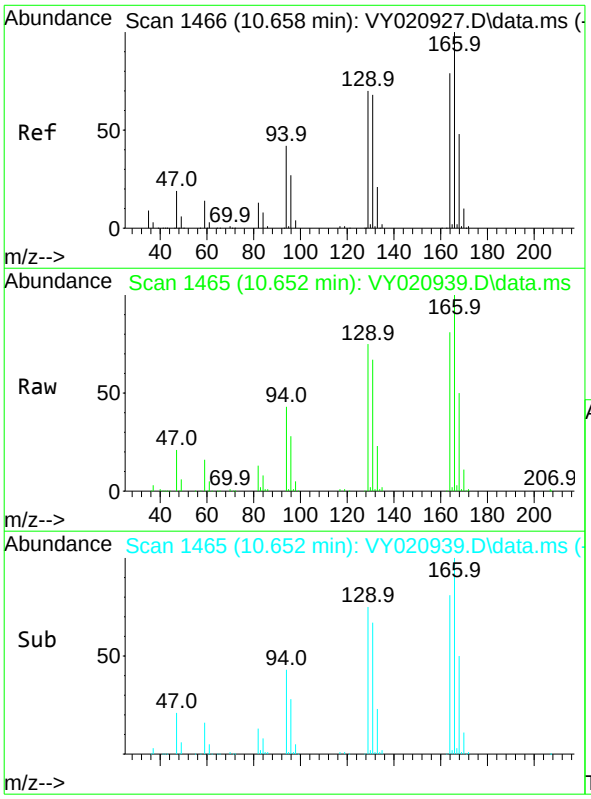
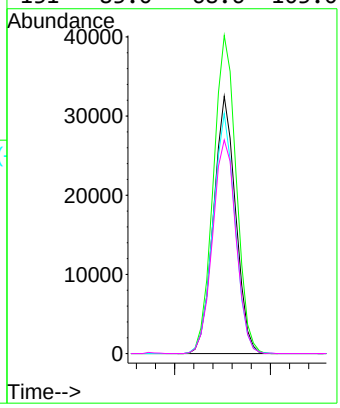
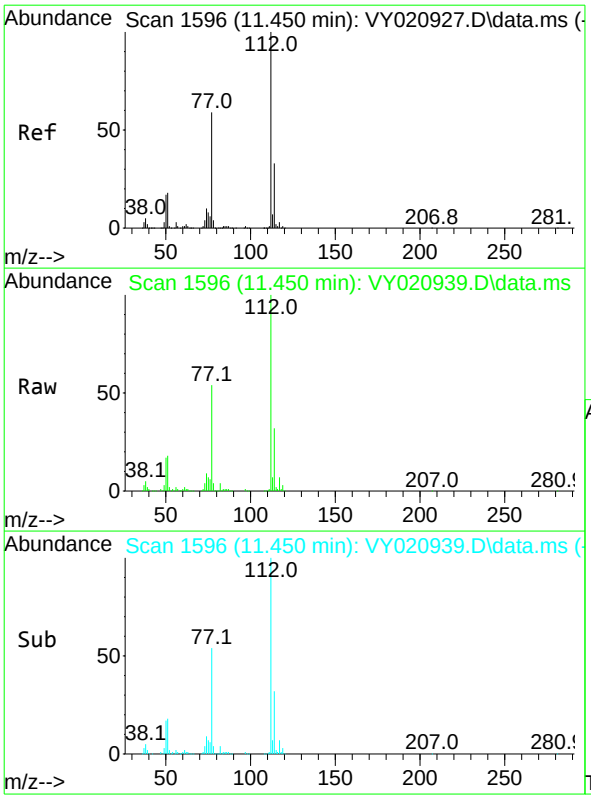


#64
Tetrachloroethene
Concen: 20.956 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:164 Resp: 52128

Ion	Ratio	Lower	Upper
164	100		
166	123.6	101.0	151.6
129	93.3	70.8	106.2
131	83.0	68.6	103.0

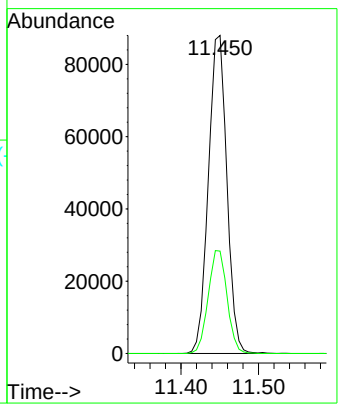




#65
Chlorobenzene
Concen: 20.845 ug/l
RT: 11.450 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:112 Resp: 145707

Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.0	39.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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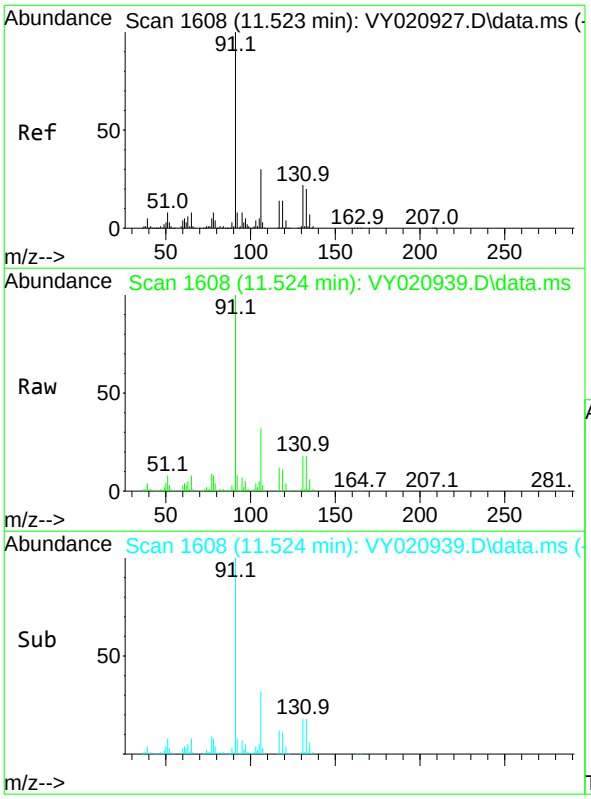
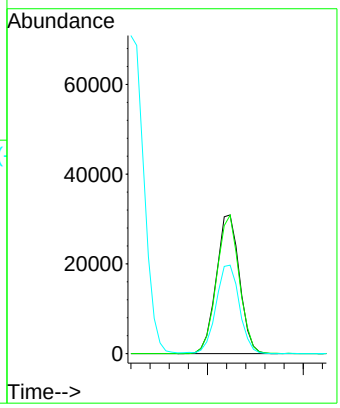
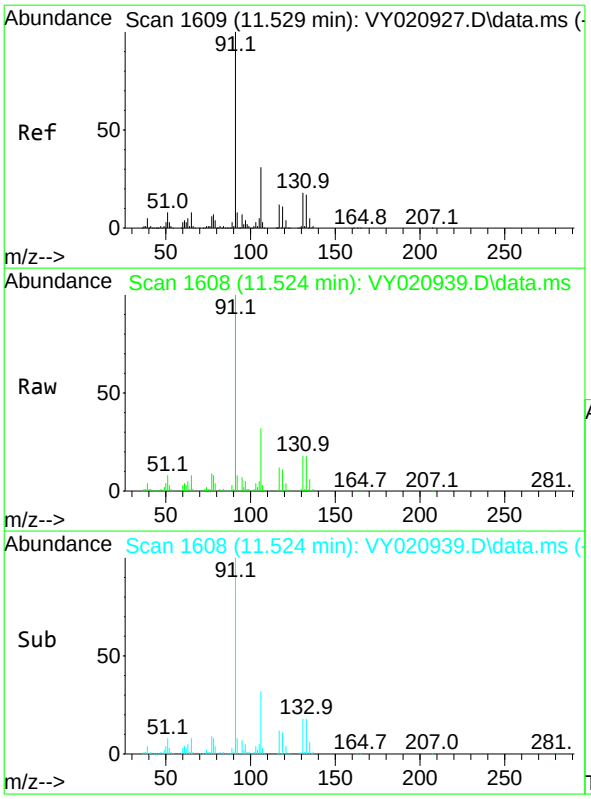


#66
1,1,1,2-Tetrachloroethane
Concen: 21.001 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:131 Resp: 52164

Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.5	142.6
119	64.0	31.2	93.6

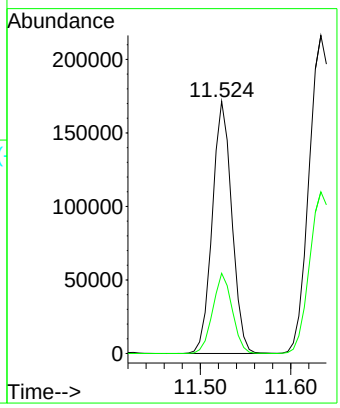




#67
Ethyl Benzene
Concen: 21.124 ug/l
RT: 11.524 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 91 Resp: 257647

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.2	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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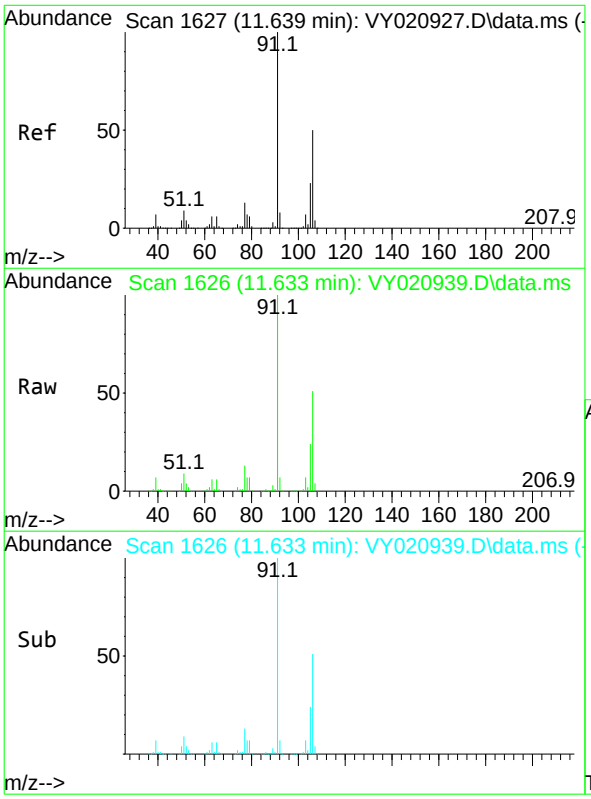
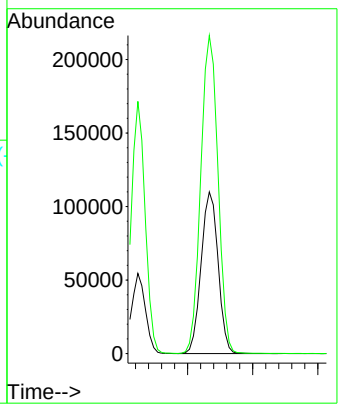
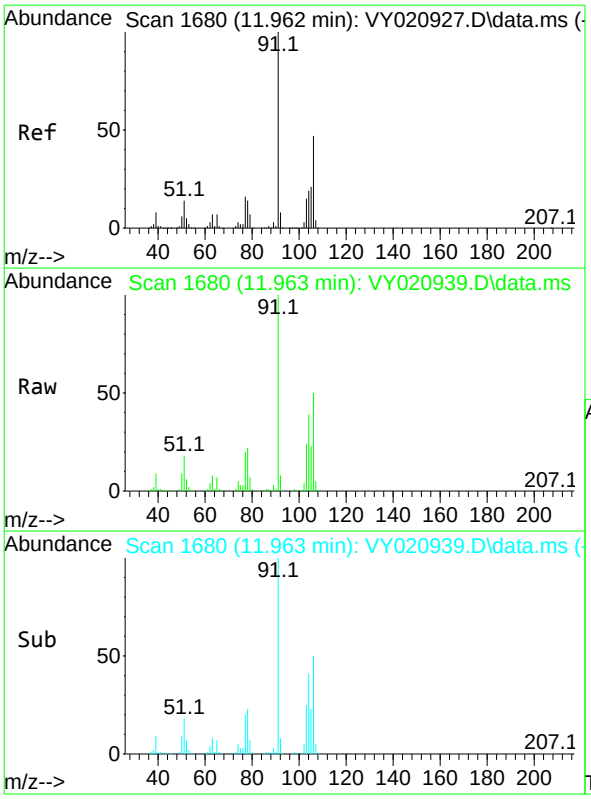


#68
m/p-Xylenes
Concen: 42.560 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:106 Resp: 198772

Ion	Ratio	Lower	Upper
106	100		
91	199.8	159.5	239.3

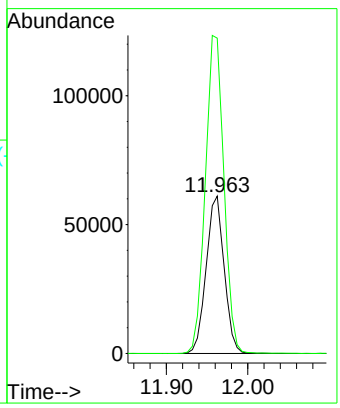




#69
o-Xylene
Concen: 21.530 ug/l
RT: 11.963 min Scan# 16
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:106 Resp: 93925

Ion	Ratio	Lower	Upper
106	100		
91	208.1	105.3	315.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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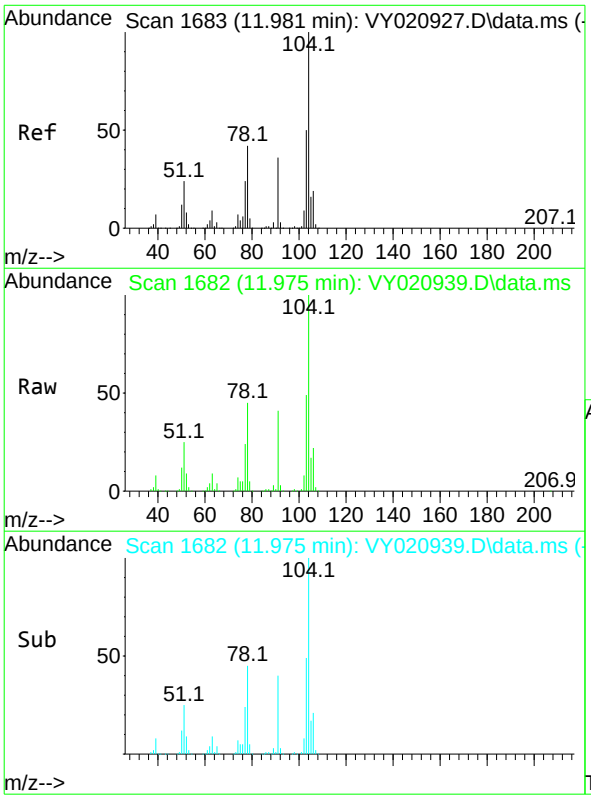
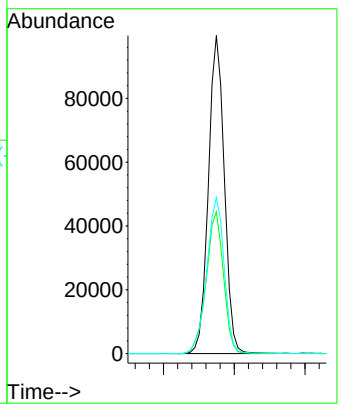
Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

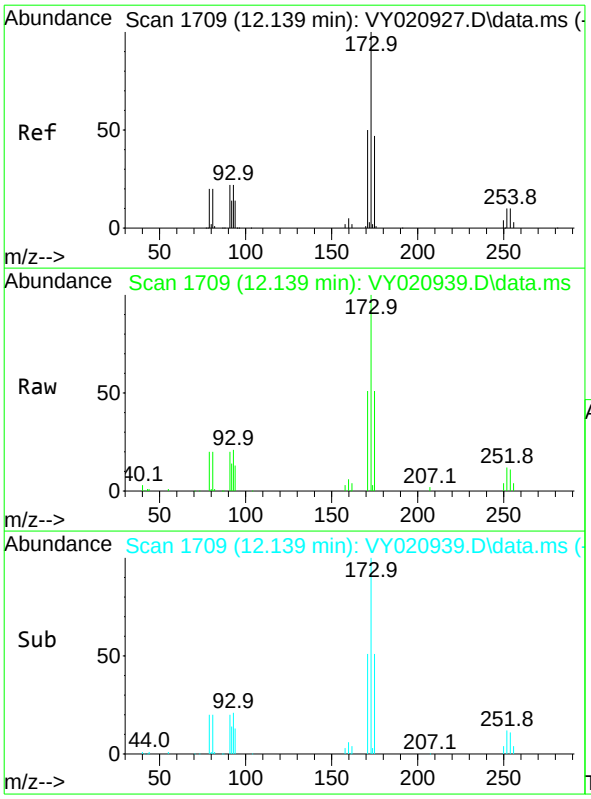


#70
Styrene
Concen: 21.762 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:104 Resp: 155592

Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.5	57.7
103	53.8	43.4	65.2





#71
Bromoform
Concen: 23.162 ug/l
RT: 12.139 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Tgt Ion:173 Resp: 32578

Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	73.0
254	0.0	0.1	0.1#

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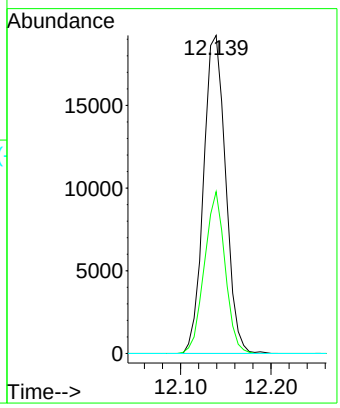
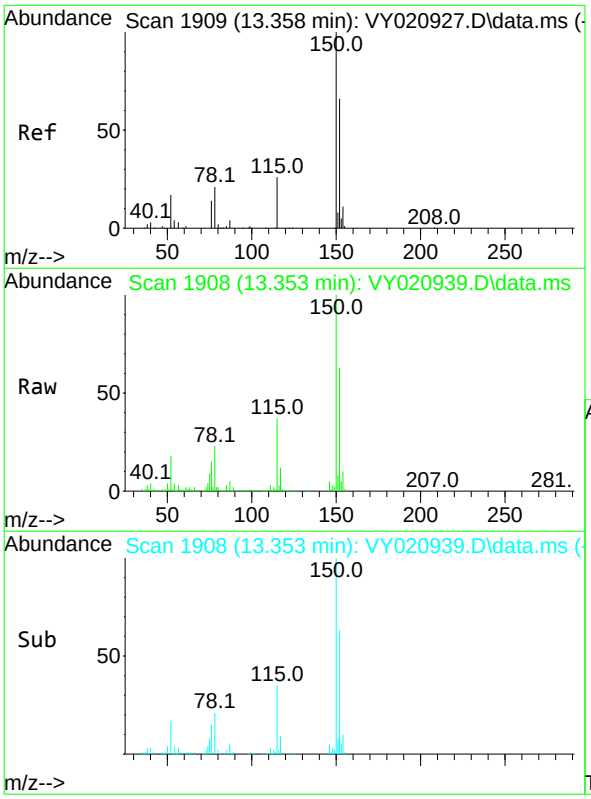
Supervised By :Semsettin Yesilyurt 01/28/2025

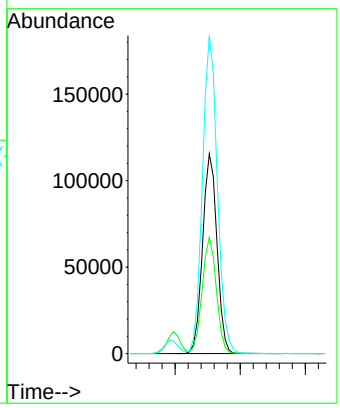


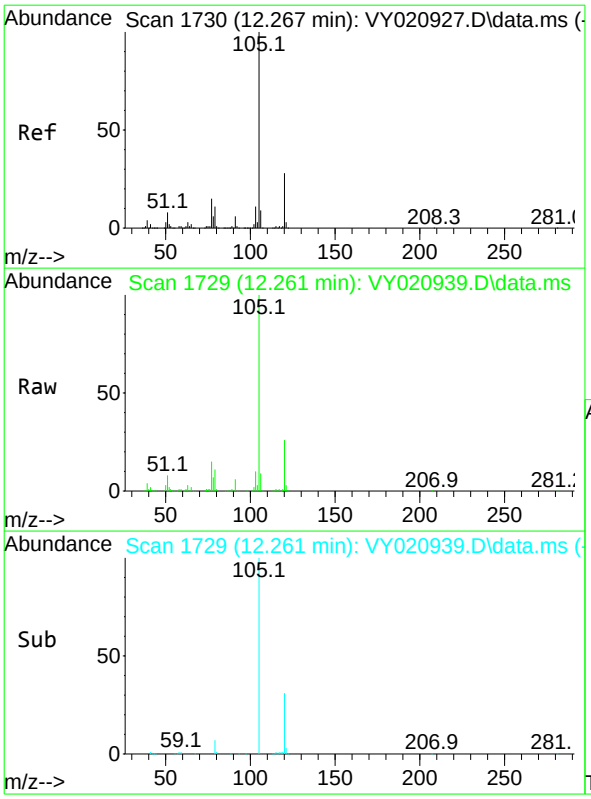


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:152 Resp: 177256

Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.0	87.0
150	164.7	0.0	347.6

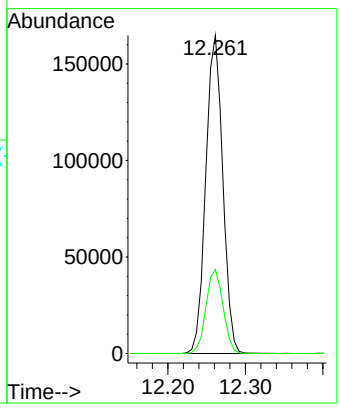




#73
Isopropylbenzene
Concen: 20.544 ug/l
RT: 12.261 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:105 Resp: 250807

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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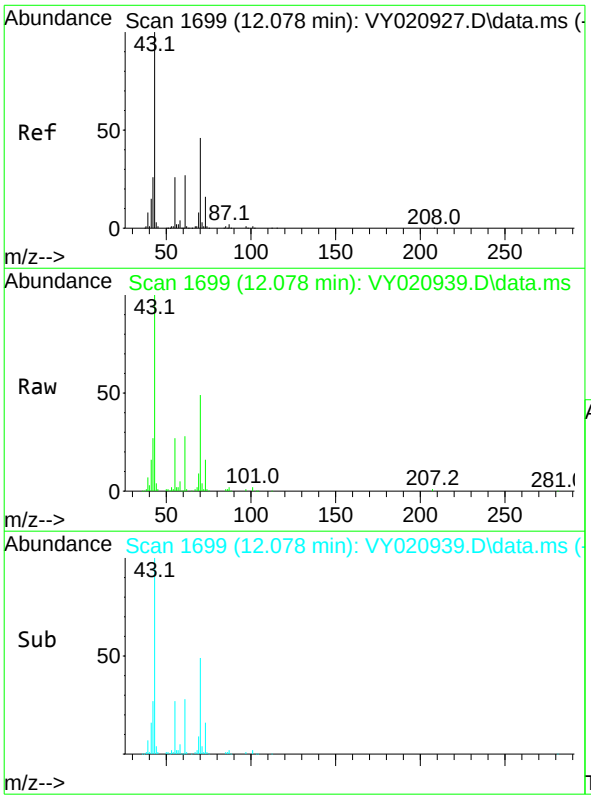
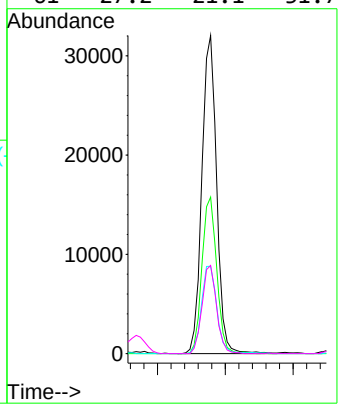
Supervised By :Semsettin Yesilyurt 01/28/2025

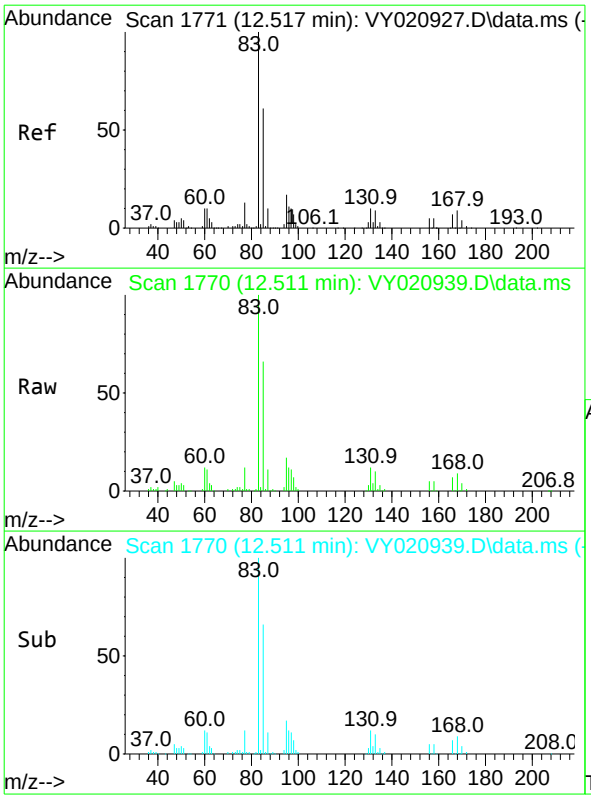


#74
N-amyl acetate
Concen: 22.278 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 43 Resp: 48395

Ion	Ratio	Lower	Upper
43	100		
70	49.2	38.7	58.1
55	28.6	21.6	32.4
61	27.2	21.1	31.7

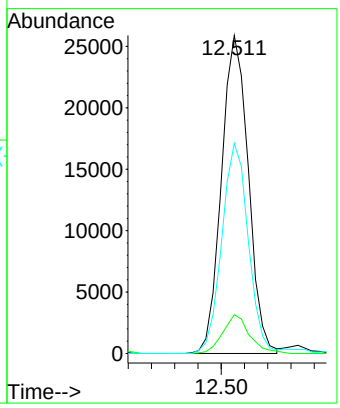




#75
1,1,2,2-Tetrachloroethane
Concen: 21.875 ug/l
RT: 12.511 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 83 Resp: 41551

Ion	Ratio	Lower	Upper
83	100		
131	12.2	5.5	16.7
85	65.5	31.8	95.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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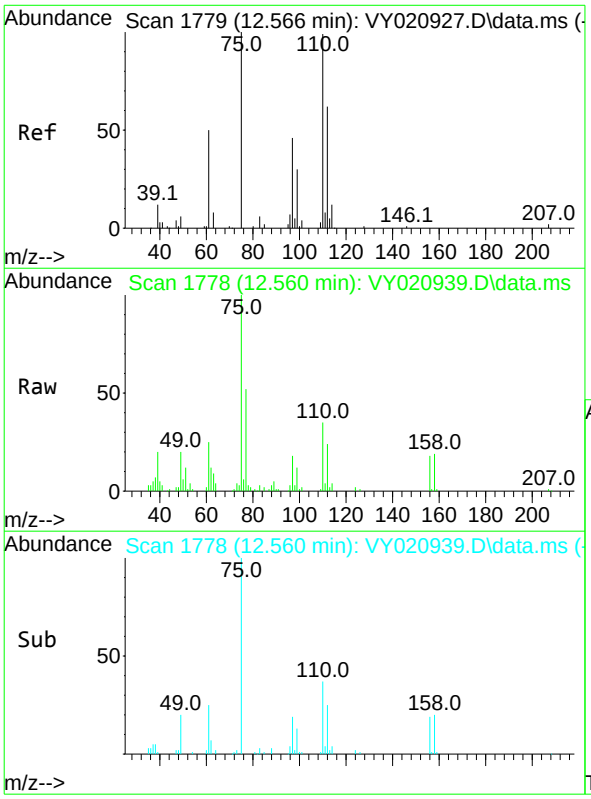
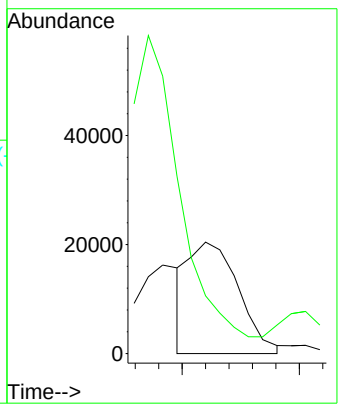
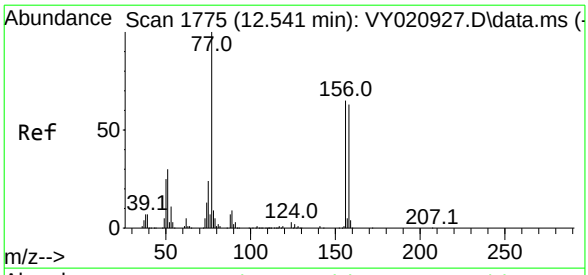


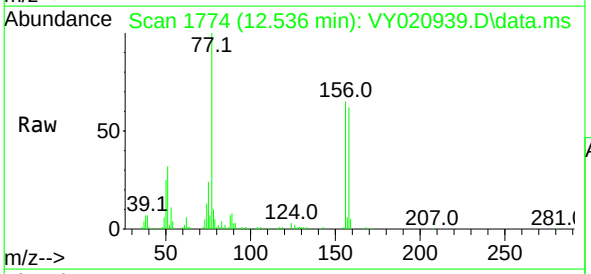
#76
1,2,3-Trichloropropane
Concen: 24.174 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

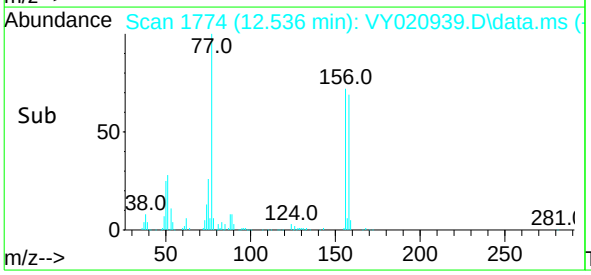
Tgt Ion: 75 Resp: 30296

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





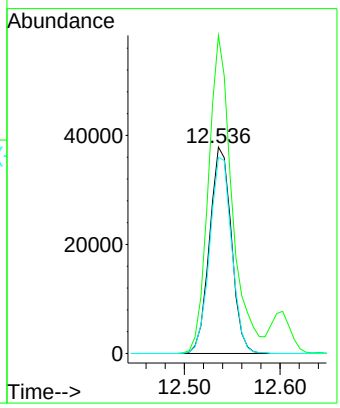




#77
Bromobenzene
Concen: 20.931 ug/l
RT: 12.536 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:156 Resp: 59898

Ion	Ratio	Lower	Upper
156	100		
77	167.8	84.4	253.1
158	96.1	48.9	146.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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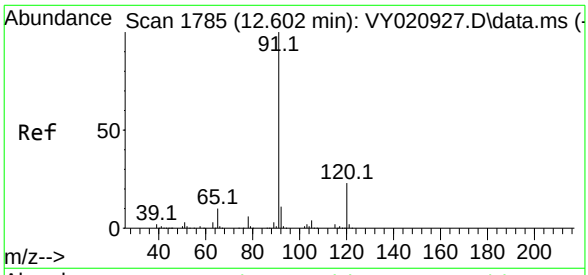
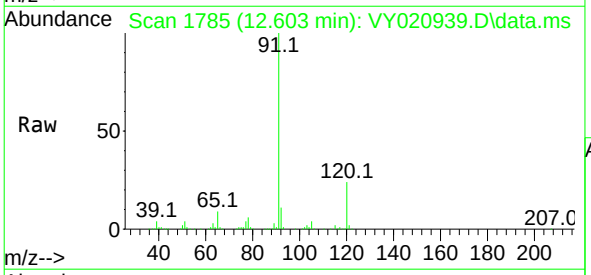
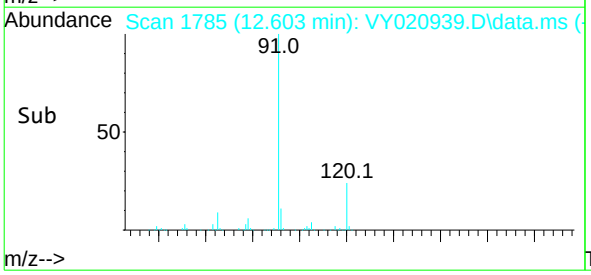


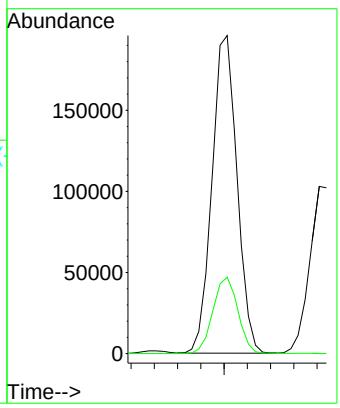


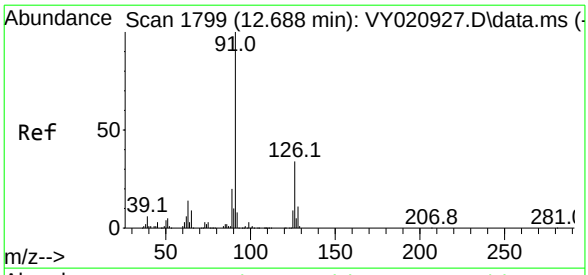


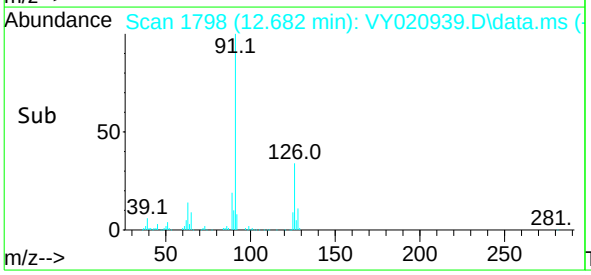
#78
n-propylbenzene
Concen: 20.591 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 91 Resp: 292813

Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.8	35.4



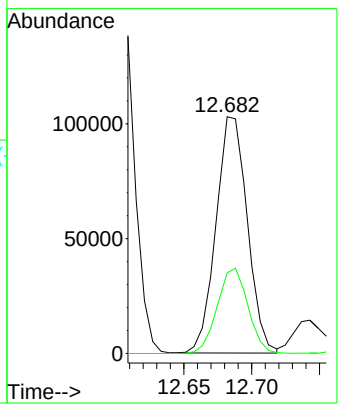




#79
2-Chlorotoluene
Concen: 20.519 ug/l
RT: 12.682 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 91 Resp: 165489

Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.6	52.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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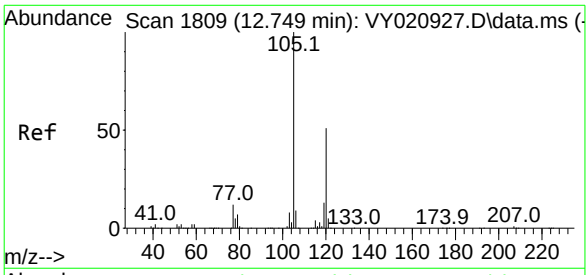
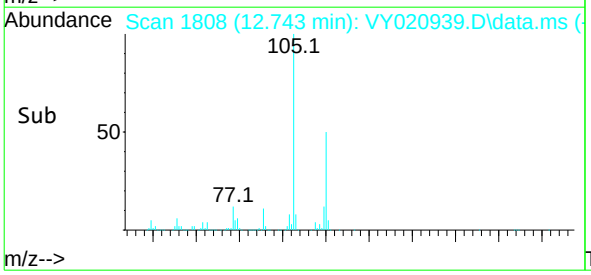
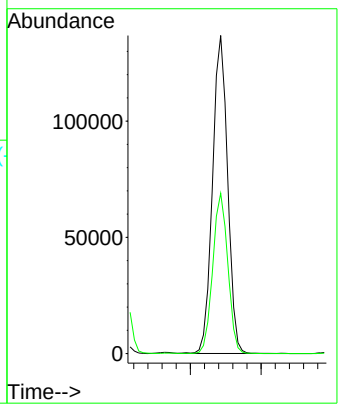


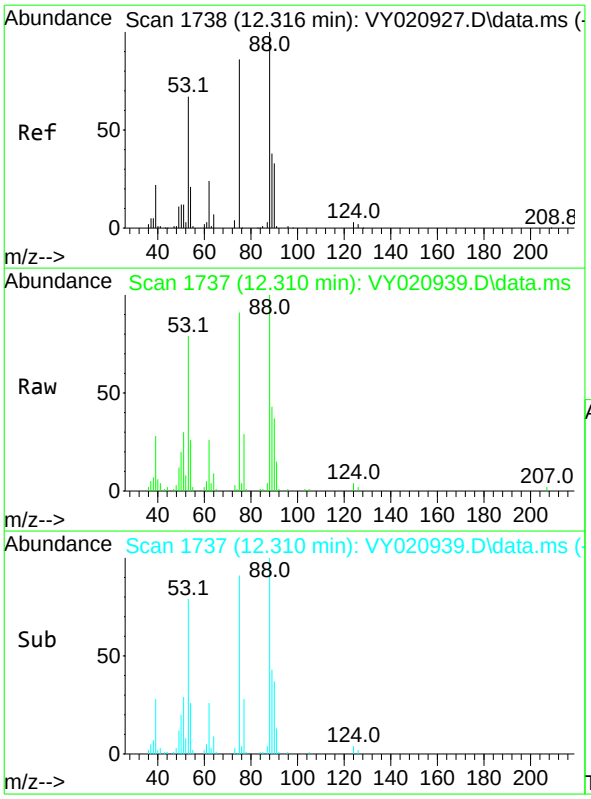


#80
1,3,5-Trimethylbenzene
Concen: 20.682 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:105 Resp: 202876

Ion	Ratio	Lower	Upper
105	100		
120	50.3	24.9	74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 23.432 ug/l
RT: 12.310 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 75 Resp: 15200

Ion	Ratio	Lower	Upper
75	100		
53	85.4	67.7	101.5
89	45.1	38.4	57.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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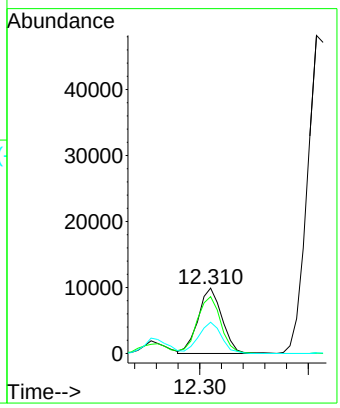
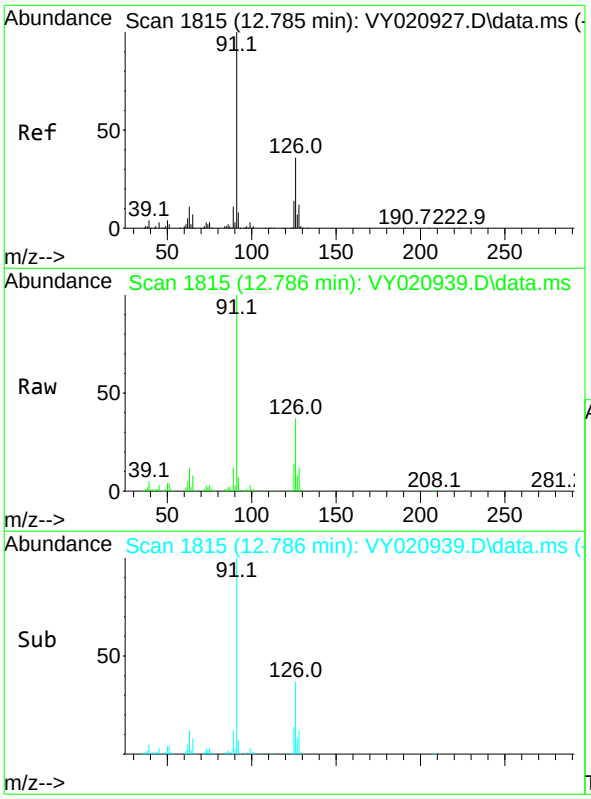
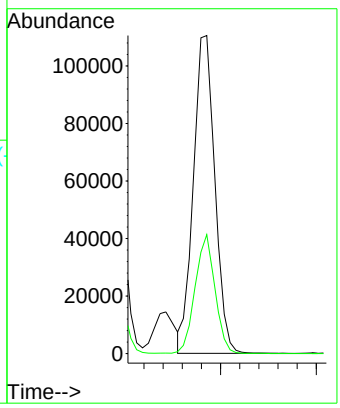


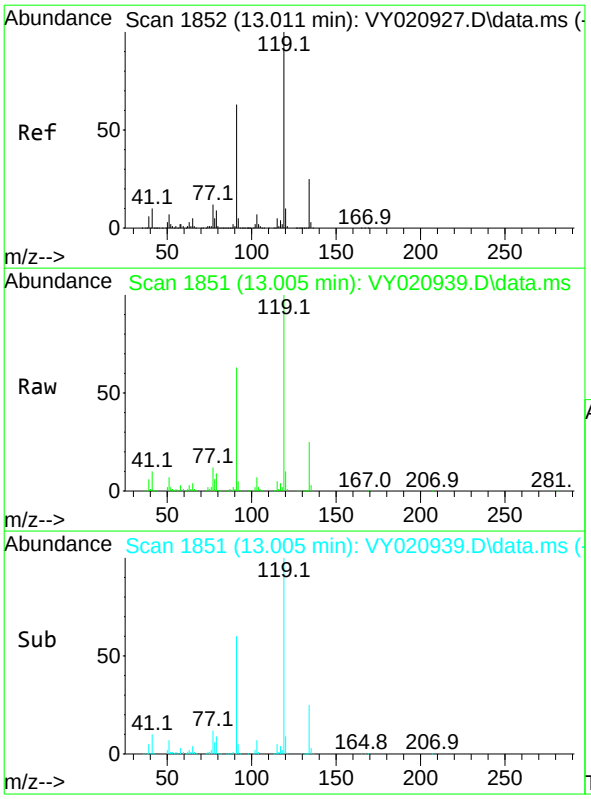


#82
4-Chlorotoluene
Concen: 20.883 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 91 Resp: 171989

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.3

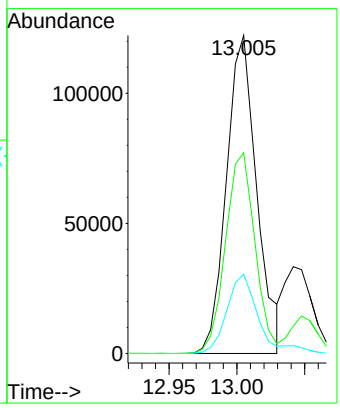




#83
tert-Butylbenzene
Concen: 20.988 ug/l
RT: 13.005 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:119 Resp: 189901

Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.9	92.8
134	26.1	13.1	39.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

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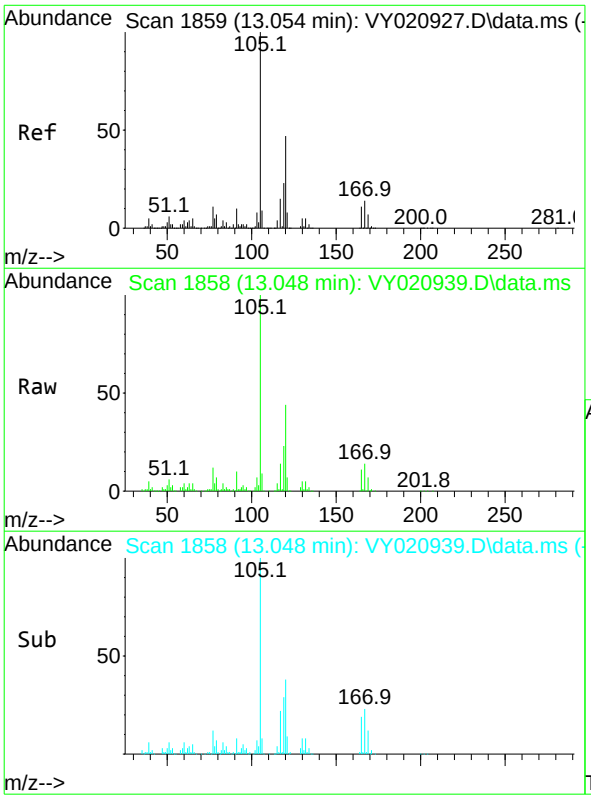
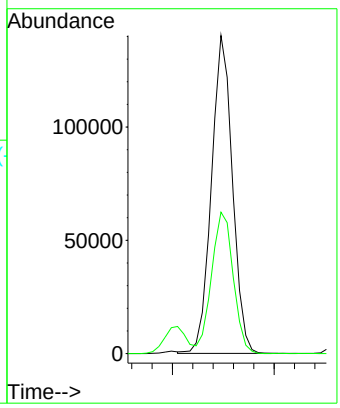
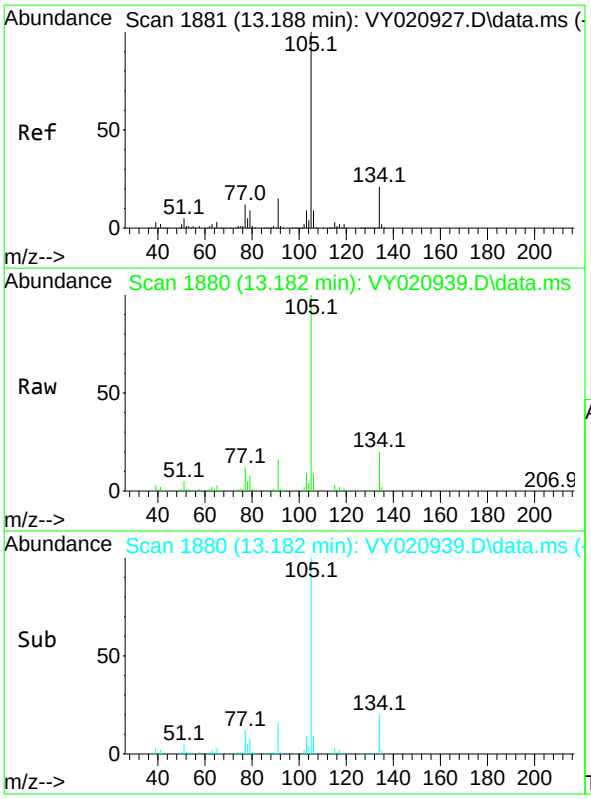


#84
1,2,4-Trimethylbenzene
Concen: 20.828 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:105 Resp: 201137

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.7





#85
sec-Butylbenzene
Concen: 20.725 ug/l
RT: 13.182 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

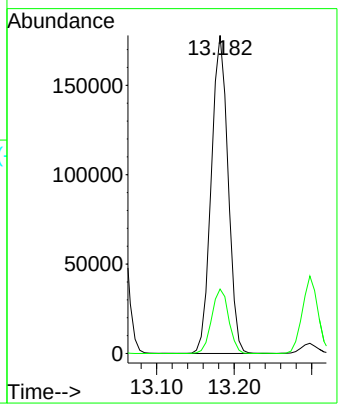
Tgt Ion:105 Resp: 267350

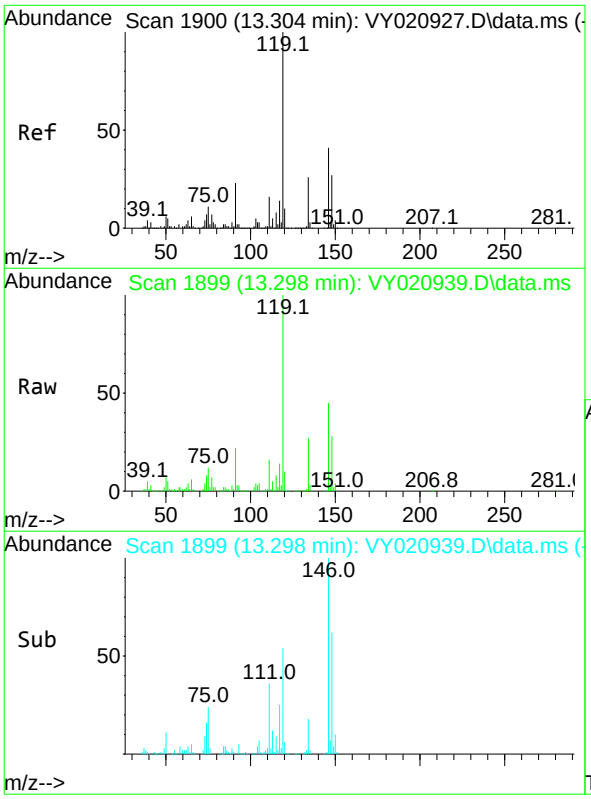
Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.4	31.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

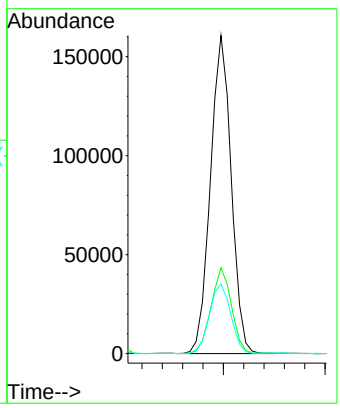


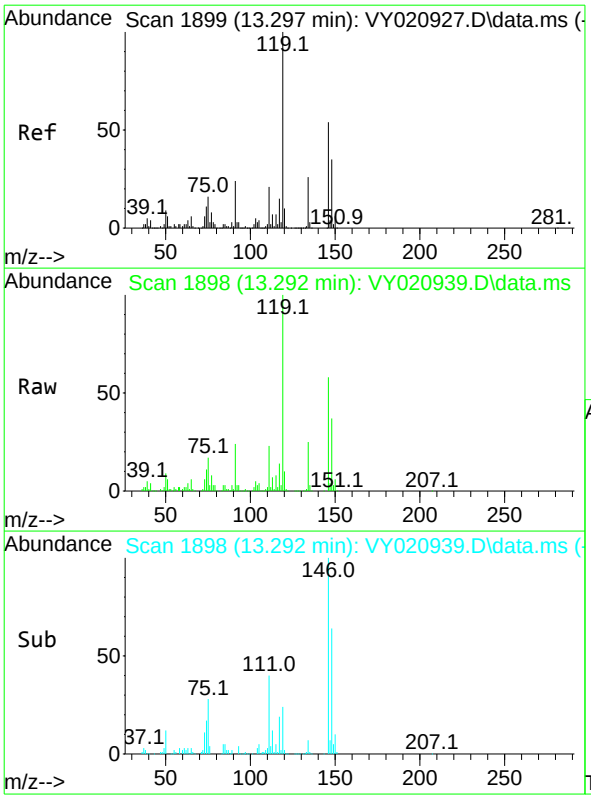


#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:119 Resp: 228567

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.8
91	22.6	11.6	34.7

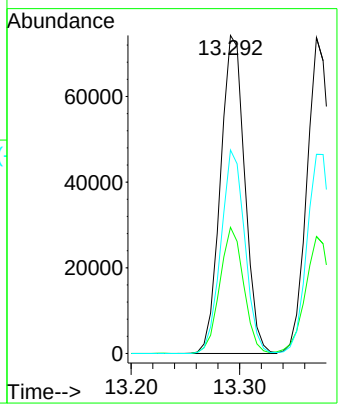




#87
1,3-Dichlorobenzene
Concen: 21.064 ug/l
RT: 13.292 min Scan# 18
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:146 Resp: 115425

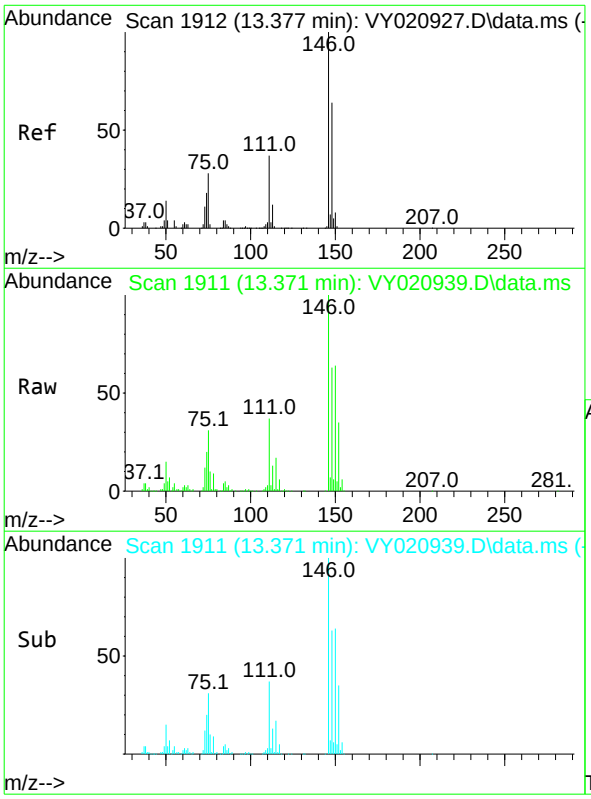
Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	62.9	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations
APPROVED

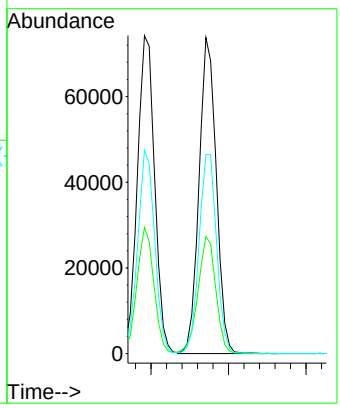
Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

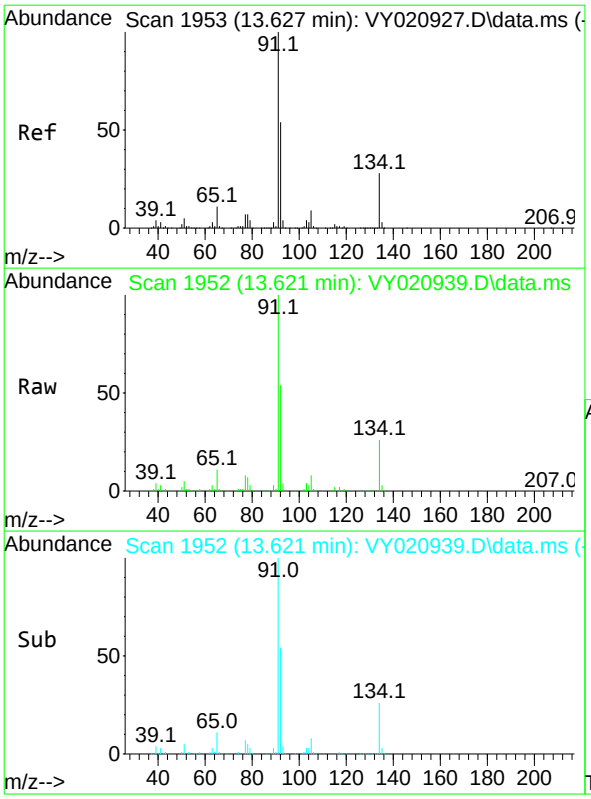


#88
1,4-Dichlorobenzene
Concen: 21.194 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:146 Resp: 114087

Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.8	56.4
148	64.4	32.0	96.0

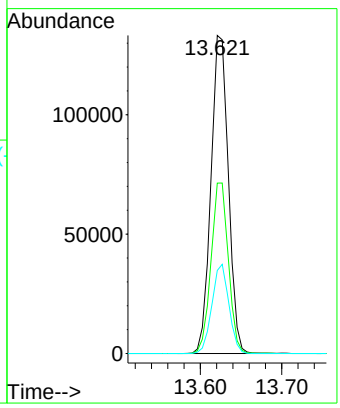




#89
n-Butylbenzene
Concen: 20.606 ug/l
RT: 13.621 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 91 Resp: 198093

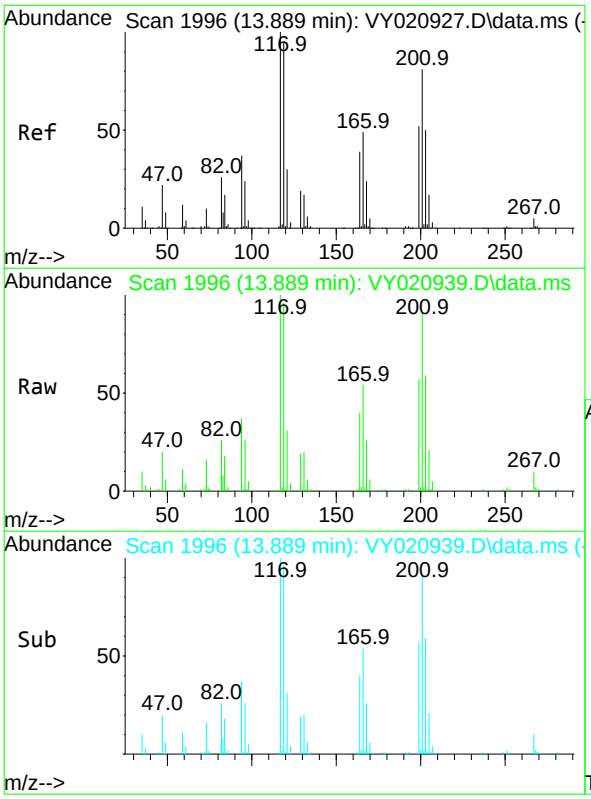
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.3
134	27.3	13.8	41.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations
APPROVED

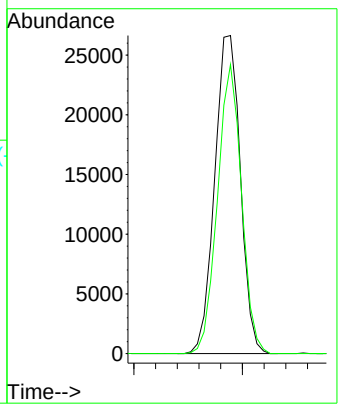
Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

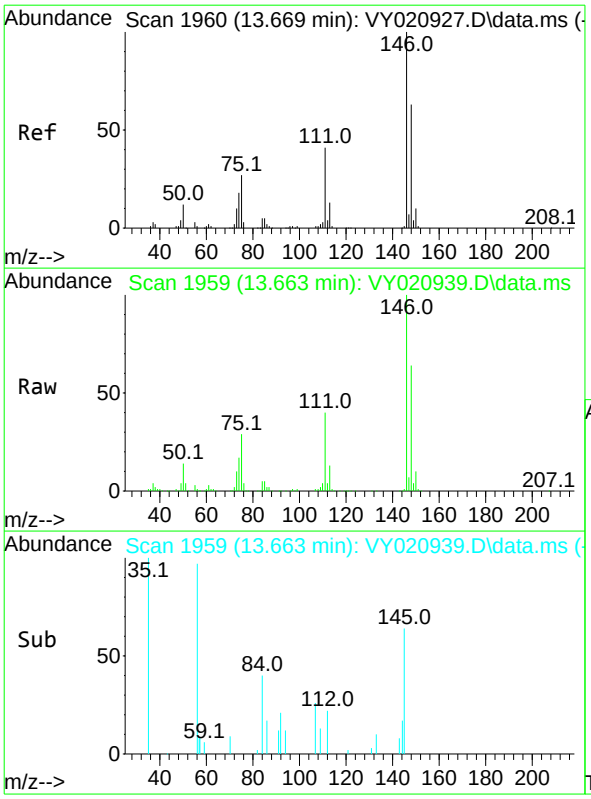


#90
Hexachloroethane
Concen: 20.208 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:117 Resp: 43750

Ion	Ratio	Lower	Upper
117	100		
201	84.9	42.7	128.1





#91
1,2-Dichlorobenzene
Concen: 21.180 ug/l
RT: 13.663 min Scan# 19
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

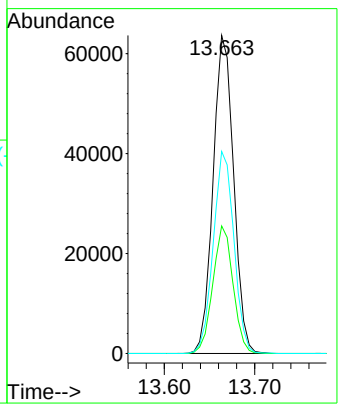
Tgt Ion:146 Resp: 100553

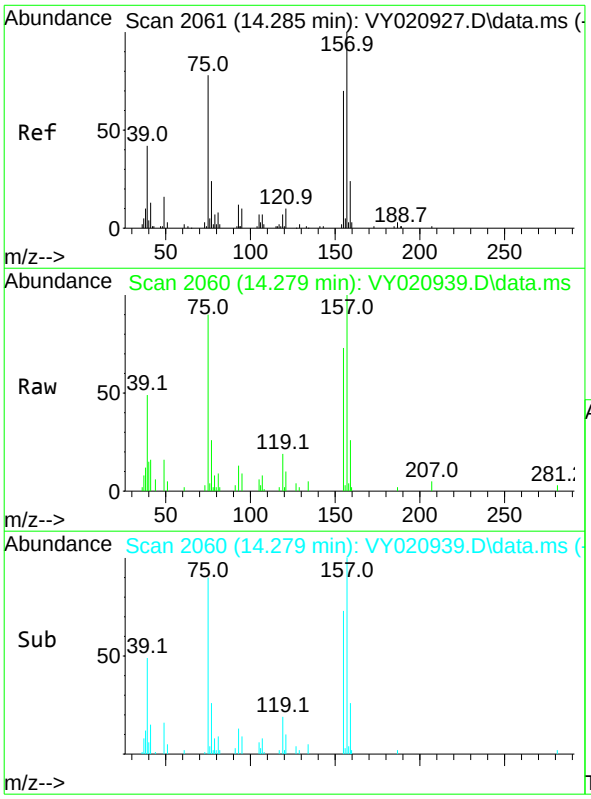
Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.2	60.6
148	64.0	32.2	96.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

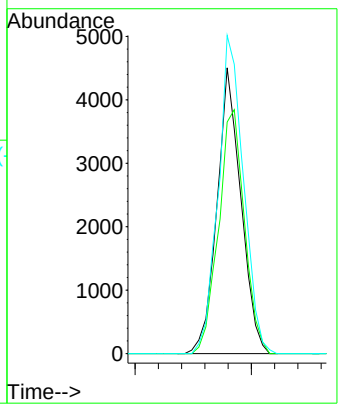


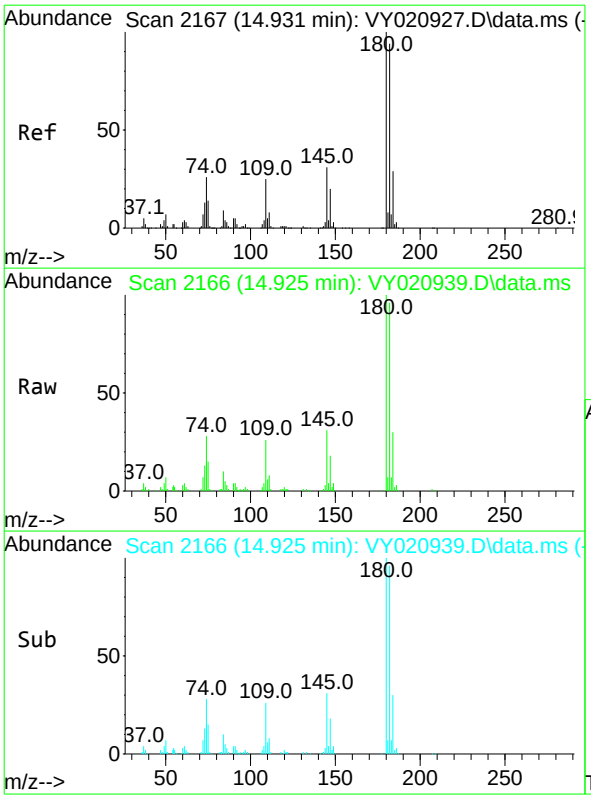


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.545 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion: 75 Resp: 6433

Ion	Ratio	Lower	Upper
75	100		
155	92.2	46.6	139.7
157	117.6	60.1	180.3





#93
1,2,4-Trichlorobenzene
Concen: 20.153 ug/l
RT: 14.925 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Tgt Ion:180 Resp: 57558

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.0	141.2
145	29.9	14.9	44.5

Manual Integrations
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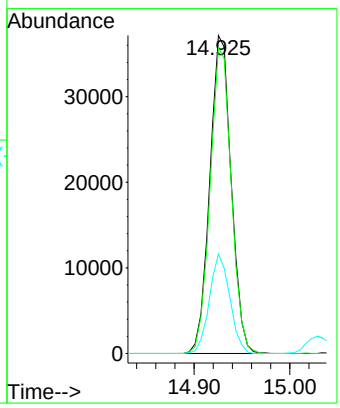
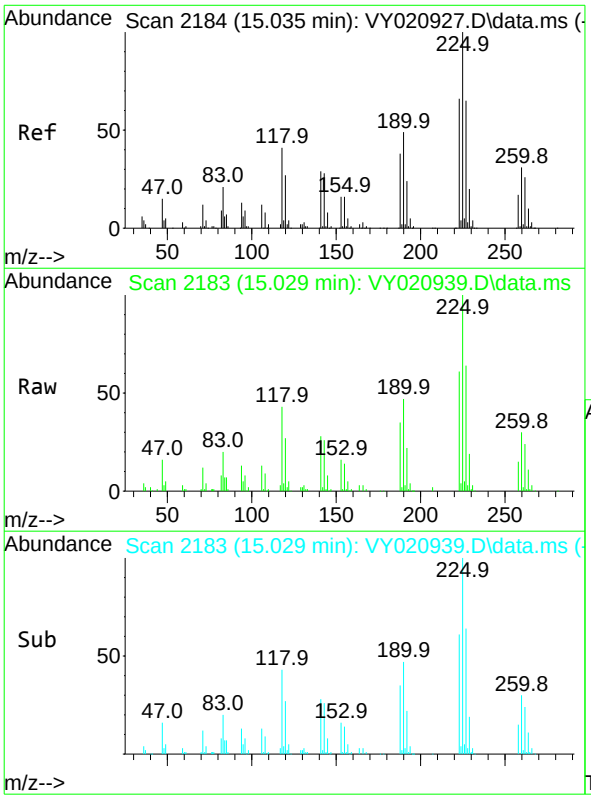
Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025

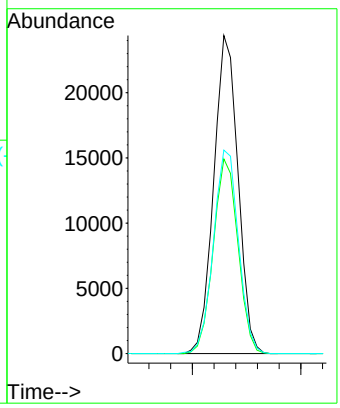


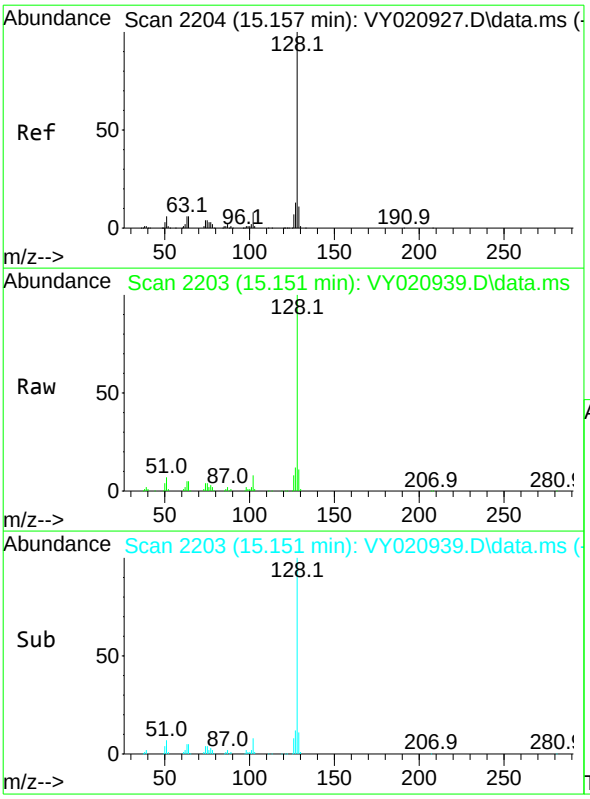


#94
Hexachlorobutadiene
Concen: 19.352 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:225 Resp: 37814

Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.5	94.5
227	66.3	31.9	95.9

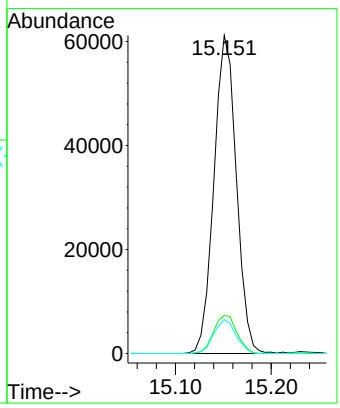




#95
Naphthalene
Concen: 21.712 ug/l
RT: 15.151 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:128 Resp: 99439

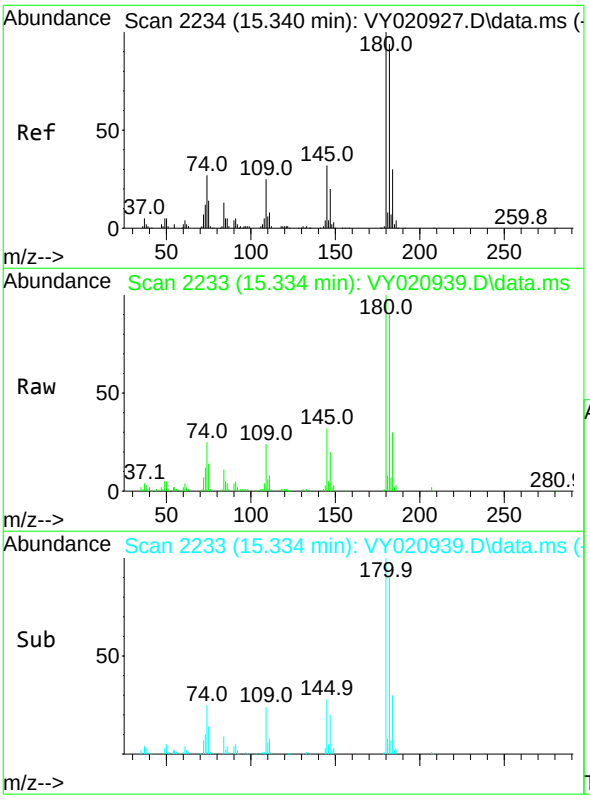
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.6	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0127SBSD01

Manual Integrations
APPROVED

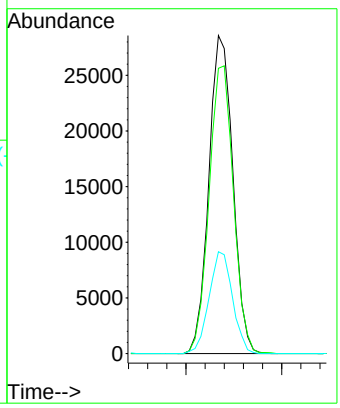
Reviewed By :Mahesh Dadoda 01/28/2025
Supervised By :Semsettin Yesilyurt 01/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.749 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.006 min
Lab File: VY020939.D
Acq: 27 Jan 2025 10:54

Tgt Ion:180 Resp: 49787

Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.5	142.6
145	31.3	15.7	47.0



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VN011425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085438.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:09 AM	MMDadoda	1/15/2025 12:55:19 PM	Peak Integrated by Software
VSTDICCC050	VN085439.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:14 AM	MMDadoda	1/15/2025 12:55:22 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	trans-1,4-Dichloro-2-but ene	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	Vinyl Acetate	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC010	VN085441.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:23 AM	MMDadoda	1/15/2025 12:55:29 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	Ethyl Acetate	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	Vinyl Acetate	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,1,2-Trichlorotrifluoroet hane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,1-Dichloroethane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,4-Dichlorobenzene	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN011425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN085443.D	2-Butanone	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	Ethyl Acetate	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	Vinyl Acetate	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICV050	VN085445.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:37 AM	MMDadoda	1/15/2025 12:55:43 PM	Peak Integrated by Software
VSTDICV050	VN085445.D	trans-1,4-Dichloro-2-but ene	JOHN	1/15/2025 9:31:37 AM	MMDadoda	1/15/2025 12:55:43 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn012725	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085516.D	1,2,3-Trichloropropane	JOHN	1/28/2025 9:58:51 AM	MMDadoda	1/28/2025 2:28:14 PM	Peak Integrated by Software
VN0127WBS01	VN085519.D	1,2,3-Trichloropropane	JOHN	1/28/2025 9:58:56 AM	MMDadoda	1/28/2025 2:28:15 PM	Peak Integrated by Software
VN0127WBSD01	VN085520.D	1,2,3-Trichloropropane	JOHN	1/28/2025 9:59:00 AM	MMDadoda	1/28/2025 2:28:16 PM	Peak Integrated by Software
VSTDCCC050	VN085524.D	1,2,3-Trichloropropane	JOHN	1/28/2025 9:59:04 AM	MMDadoda	1/28/2025 2:28:18 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN012825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085526.D	1,2,3-Trichloropropane	JOHN	1/29/2025 9:37:19 AM	SAM	1/29/2025 12:55:25 PM	Peak Integrated by Software
VN0128WBS01	VN085529.D	1,2,3-Trichloropropane	JOHN	1/29/2025 9:37:23 AM	SAM	1/29/2025 12:55:23 PM	Peak Integrated by Software
VSTDCCC050	VN085546.D	1,2,3-Trichloropropane	JOHN	1/29/2025 9:37:40 AM	SAM	1/29/2025 12:55:20 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY012425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC050	VY020927.D	1,2,3-Trichloropropane	SAM	1/27/2025 8:16:47 AM	MMDadoda	1/27/2025 1:08:24 PM	Peak Integrated by Software
VSTDICC100	VY020928.D	1,2,3-Trichloropropane	SAM	1/27/2025 8:16:51 AM	MMDadoda	1/27/2025 1:08:26 PM	Peak Integrated by Software
VSTDICC150	VY020929.D	1,2,3-Trichloropropane	SAM	1/27/2025 8:17:18 AM	MMDadoda	1/27/2025 1:08:27 PM	Peak Integrated by Software
VSTDICC020	VY020931.D	1,2,3-Trichloropropane	SAM	1/27/2025 8:17:13 AM	MMDadoda	1/27/2025 1:08:29 PM	Peak Integrated by Software
VSTDICC010	VY020932.D	1,2,3-Trichloropropane	SAM	1/27/2025 8:17:28 AM	MMDadoda	1/27/2025 1:08:32 PM	Peak Integrated by Software
VSTDICC005	VY020933.D	1,2,3-Trichloropropane	SAM	1/27/2025 8:17:06 AM	MMDadoda	1/27/2025 1:08:39 PM	Peak Integrated by Software
VSTDICC005	VY020933.D	Tert butyl alcohol	SAM	1/27/2025 8:17:06 AM	MMDadoda	1/27/2025 1:08:39 PM	Peak Integrated by Software
VSTDICV050	VY020934.D	1,2,3-Trichloropropane	SAM	1/27/2025 8:17:02 AM	MMDadoda	1/27/2025 1:08:41 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY012725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020936.D	1,2,3-Trichloropropane	MMDadoda	1/28/2025 2:27:45 PM	SAM	1/28/2025 2:29:23 PM	Peak Integrated by Software
VY0127SBS01	VY020938.D	1,2,3-Trichloropropane	MMDadoda	1/28/2025 2:27:43 PM	SAM	1/28/2025 2:29:21 PM	Peak Integrated by Software
VY0127SBSD01	VY020939.D	1,2,3-Trichloropropane	MMDadoda	1/28/2025 2:27:43 PM	SAM	1/28/2025 2:29:19 PM	Peak Integrated by Software
VSTDCCC050	VY020955.D	1,2,3-Trichloropropane	MMDadoda	1/28/2025 2:27:42 PM	SAM	1/28/2025 2:29:18 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN011425

Review By	John Carlone	Review On	1/15/2025 9:31:51 AM				
Supervise By	Mahesh Dadoda	Supervise On	1/15/2025 12:55:51 PM				
SubDirectory	VN011425	HP Acquire Method	MSVOA_N		HP Processing Method	82N011425W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP132529
Initial Calibration Stds	VP132530,VP132531,VP132532,VP132533,VP132534,VP132535
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132544
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085437.D	14 Jan 2025 14:22	JC\MD	Ok
2	VSTDICC100	VN085438.D	14 Jan 2025 14:56	JC\MD	Ok,M
3	VSTDICCC050	VN085439.D	14 Jan 2025 15:19	JC\MD	Ok,M
4	VSTDICC020	VN085440.D	14 Jan 2025 15:43	JC\MD	Ok,M
5	VSTDICC010	VN085441.D	14 Jan 2025 16:07	JC\MD	Ok,M
6	VSTDICC005	VN085442.D	14 Jan 2025 16:31	JC\MD	Ok,M
7	VSTDICC001	VN085443.D	14 Jan 2025 17:19	JC\MD	Ok,M
8	IBLK	VN085444.D	14 Jan 2025 17:42	JC\MD	Ok
9	VSTDICV050	VN085445.D	14 Jan 2025 18:06	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN012725

Review By	John Carlone	Review On	1/28/2025 9:59:48 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:28:25 PM		
SubDirectory	VN012725	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132698
Initial Calibration Stds	
CCC	VP132699,VP132700
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085515.D	27 Jan 2025 13:08	JC\MD	Ok
2	VSTDCCC050	VN085516.D	27 Jan 2025 14:50	JC\MD	Ok,M
3	VN0127MBL01	VN085517.D	27 Jan 2025 15:24	JC\MD	Ok
4	VN0127WBL01	VN085518.D	27 Jan 2025 15:48	JC\MD	Ok
5	VN0127WBS01	VN085519.D	27 Jan 2025 16:12	JC\MD	Ok,M
6	VN0127WBSD01	VN085520.D	27 Jan 2025 16:46	JC\MD	Ok,M
7	IBLK	VN085521.D	27 Jan 2025 17:10	JC\MD	Ok
8	Q1194-09	VN085522.D	27 Jan 2025 17:34	JC\MD	ReRun
9	Q1194-10	VN085523.D	27 Jan 2025 17:58	JC\MD	Ok
10	VSTDCCC050	VN085524.D	27 Jan 2025 18:22	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN012825

Review By	John Carlone	Review On	1/29/2025 9:40:00 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/29/2025 12:55:29 PM		
SubDirectory	VN012825	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132723
Initial Calibration Stds	
CCC	VP132724,VP132725
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085525.D	28 Jan 2025 09:17	JC\MD	Ok
2	VSTDCCC050	VN085526.D	28 Jan 2025 09:53	JC\MD	Ok,M
3	VN0128MBL01	VN085527.D	28 Jan 2025 10:27	JC\MD	Ok
4	VN0128WBL01	VN085528.D	28 Jan 2025 10:51	JC\MD	Ok
5	VN0128WBS01	VN085529.D	28 Jan 2025 11:15	JC\MD	Ok,M
6	VN0128WBSD01	VN085530.D	28 Jan 2025 11:48	JC\MD	Ok,M
7	IBLK	VN085531.D	28 Jan 2025 12:12	JC\MD	Ok
8	Q1180-04	VN085532.D	28 Jan 2025 12:36	JC\MD	Ok
9	Q1194-09	VN085533.D	28 Jan 2025 13:00	JC\MD	Ok
10	Q1199-01	VN085534.D	28 Jan 2025 13:24	JC\MD	Ok
11	Q1199-02	VN085535.D	28 Jan 2025 13:49	JC\MD	Ok
12	Q1199-03	VN085536.D	28 Jan 2025 14:13	JC\MD	Ok
13	Q1199-04	VN085537.D	28 Jan 2025 14:37	JC\MD	Ok
14	Q1199-05	VN085538.D	28 Jan 2025 15:01	JC\MD	Ok
15	Q1199-06	VN085539.D	28 Jan 2025 15:25	JC\MD	ReRun
16	Q1199-07	VN085540.D	28 Jan 2025 15:49	JC\MD	Ok
17	PB166233ZHE#11	VN085541.D	28 Jan 2025 16:13	JC\MD	Ok
18	PB166233ZHE#12	VN085542.D	28 Jan 2025 16:37	JC\MD	Ok
19	PB166233ZHE#13	VN085543.D	28 Jan 2025 17:01	JC\MD	Ok
20	IBLK	VN085544.D	28 Jan 2025 17:25	JC\MD	Ok
21	Q1199-06	VN085545.D	28 Jan 2025 17:50	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN012825

Review By	John Carlone	Review On	1/29/2025 9:40:00 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/29/2025 12:55:29 PM		
SubDirectory	VN012825	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132723
Initial Calibration Stds	
CCC	VP132724,VP132725
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VN085546.D	28 Jan 2025 18:14	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY012425

Review By	Semsettin Yesilyurt	Review On	1/27/2025 8:17:43 AM				
Supervise By	Mahesh Dadoda	Supervise On	1/27/2025 1:08:52 PM				
SubDirectory	VY012425	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y012425S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP132671
Initial Calibration Stds	VP132672,VP132673,VP132674,VP132675,VP132676,VP132677
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132680
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020922.D	24 Jan 2025 08:44	SY/MD	Ok
2	VSTDCCC050	VY020923.D	24 Jan 2025 09:42	SY/MD	Not Ok
3	VSTDICC005	VY020924.D	24 Jan 2025 12:49	SY/MD	Not Ok
4	VSTDICC010	VY020925.D	24 Jan 2025 13:11	SY/MD	Not Ok
5	VSTDICC020	VY020926.D	24 Jan 2025 13:34	SY/MD	Not Ok
6	VSTDICCC050	VY020927.D	24 Jan 2025 14:03	SY/MD	Ok,M
7	VSTDICC100	VY020928.D	24 Jan 2025 14:27	SY/MD	Ok,M
8	VSTDICC150	VY020929.D	24 Jan 2025 14:50	SY/MD	Ok,M
9	VIBLK	VY020930.D	24 Jan 2025 15:13	SY/MD	Ok
10	VSTDICC020	VY020931.D	24 Jan 2025 15:36	SY/MD	Ok,M
11	VSTDICC010	VY020932.D	24 Jan 2025 15:59	SY/MD	Ok,M
12	VSTDICC005	VY020933.D	24 Jan 2025 16:21	SY/MD	Ok,M
13	VSTDICV050	VY020934.D	24 Jan 2025 17:29	SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY012725

Review By	Semsettin Yesilyurt	Review On	1/28/2025 11:09:32 AM				
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:27:48 PM				
SubDirectory	VY012725	HP Acquire Method	MSVOA_Y		HP Processing Method	82Y012425S.M	

STD. NAME	STD REF.#
Tune/Reschk	VP132687
Initial Calibration Stds	
CCC	VP132688,VP132689
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020935.D	27 Jan 2025 08:32	SY/MD	Ok
2	VSTDCCC050	VY020936.D	27 Jan 2025 09:06	SY/MD	Ok,M
3	VY0127SBL01	VY020937.D	27 Jan 2025 09:51	SY/MD	Ok
4	VY0127SBS01	VY020938.D	27 Jan 2025 10:30	SY/MD	Ok,M
5	VY0127SBSD01	VY020939.D	27 Jan 2025 10:54	SY/MD	Ok,M
6	Q1183-01	VY020940.D	27 Jan 2025 11:20	SY/MD	Not Ok
7	Q1187-01	VY020941.D	27 Jan 2025 11:43	SY/MD	Not Ok
8	Q1183-01	VY020942.D	27 Jan 2025 12:16	SY/MD	ReRun
9	Q1187-01	VY020943.D	27 Jan 2025 12:38	SY/MD	Not Ok
10	Q1183-01	VY020944.D	27 Jan 2025 13:02	SY/MD	Ok
11	Q1187-01	VY020945.D	27 Jan 2025 13:25	SY/MD	Not Ok
12	Q1194-01	VY020946.D	27 Jan 2025 14:24	SY/MD	ReRun
13	Q1194-02	VY020947.D	27 Jan 2025 14:47	SY/MD	Ok
14	Q1194-03	VY020948.D	27 Jan 2025 15:10	SY/MD	Not Ok
15	Q1194-04	VY020949.D	27 Jan 2025 15:32	SY/MD	Ok
16	Q1194-01RE	VY020950.D	27 Jan 2025 16:01	SY/MD	Confirms
17	Q1194-03	VY020951.D	27 Jan 2025 16:24	SY/MD	Ok
18	Q1187-01	VY020952.D	27 Jan 2025 16:49	SY/MD	ReRun
19	Q1187-01RE	VY020953.D	27 Jan 2025 17:11	SY/MD	Confirms
20	VIBLK	VY020954.D	27 Jan 2025 17:35	SY/MD	Ok
21	VSTDCCC050	VY020955.D	27 Jan 2025 17:57	SY/MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN011425

Review By	John Carlone	Review On	1/15/2025 9:31:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/15/2025 12:55:51 PM		
SubDirectory	VN011425	HP Acquire Method	MSVOA_N	HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132529
Initial Calibration Stds	VP132530,VP132531,VP132532,VP132533,VP132534,VP132535
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132544
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085437.D	14 Jan 2025 14:22		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN085438.D	14 Jan 2025 14:56		JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN085439.D	14 Jan 2025 15:19	Comp.#56 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN085440.D	14 Jan 2025 15:43	Comp.#86 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN085441.D	14 Jan 2025 16:07		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN085442.D	14 Jan 2025 16:31		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN085443.D	14 Jan 2025 17:19		JC\MD	Ok,M
8	IBLK	IBLK	VN085444.D	14 Jan 2025 17:42		JC\MD	Ok
9	VSTDICV050	ICVVN011425	VN085445.D	14 Jan 2025 18:06		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN012725

Review By	John Carlone	Review On	1/28/2025 9:59:48 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:28:25 PM		
SubDirectory	VN012725	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132698
Initial Calibration Stds	
CCC	VP132699,VP132700
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085515.D	27 Jan 2025 13:08		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085516.D	27 Jan 2025 14:50	V13516	JC\MD	Ok,M
3	VN0127MBL01	VN0127MBL01	VN085517.D	27 Jan 2025 15:24		JC\MD	Ok
4	VN0127WBL01	VN0127WBL01	VN085518.D	27 Jan 2025 15:48		JC\MD	Ok
5	VN0127WBS01	VN0127WBS01	VN085519.D	27 Jan 2025 16:12		JC\MD	Ok,M
6	VN0127WBSD01	VN0127WBSD01	VN085520.D	27 Jan 2025 16:46		JC\MD	Ok,M
7	IBLK	IBLK	VN085521.D	27 Jan 2025 17:10		JC\MD	Ok
8	Q1194-09	FB	VN085522.D	27 Jan 2025 17:34	vial A pH<2 FB;hit of com.#16	JC\MD	ReRun
9	Q1194-10	TB	VN085523.D	27 Jan 2025 17:58	vial A pH<2 TB	JC\MD	Ok
10	VSTDCCC050	VSTDCCC050EC	VN085524.D	27 Jan 2025 18:22		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN012825

Review By	John Carlone	Review On	1/29/2025 9:40:00 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/29/2025 12:55:29 PM		
SubDirectory	VN012825	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132723
Initial Calibration Stds	
CCC	VP132724,VP132725
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085525.D	28 Jan 2025 09:17		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085526.D	28 Jan 2025 09:53	V13516	JC\MD	Ok,M
3	VN0128MBL01	VN0128MBL01	VN085527.D	28 Jan 2025 10:27		JC\MD	Ok
4	VN0128WBL01	VN0128WBL01	VN085528.D	28 Jan 2025 10:51		JC\MD	Ok
5	VN0128WBS01	VN0128WBS01	VN085529.D	28 Jan 2025 11:15		JC\MD	Ok,M
6	VN0128WBSD01	VN0128WBSD01	VN085530.D	28 Jan 2025 11:48		JC\MD	Ok,M
7	IBLK	IBLK	VN085531.D	28 Jan 2025 12:12		JC\MD	Ok
8	Q1180-04	Storage-Blank-SAMPLE	VN085532.D	28 Jan 2025 12:36	vial B pH<2	JC\MD	Ok
9	Q1194-09	FB	VN085533.D	28 Jan 2025 13:00	vial B pH<2 FB	JC\MD	Ok
10	Q1199-01	BP-VPB-192-TB-20250	VN085534.D	28 Jan 2025 13:24	vial A pH<2 TB	JC\MD	Ok
11	Q1199-02	BP-VPB-192-EB-20250	VN085535.D	28 Jan 2025 13:49	vial A pH<2 EB	JC\MD	Ok
12	Q1199-03	BP-VPB-192-GW-280-2	VN085536.D	28 Jan 2025 14:13	vial A pH<2	JC\MD	Ok
13	Q1199-04	BP-VPB-192-GW-260-2	VN085537.D	28 Jan 2025 14:37	vial A pH<2	JC\MD	Ok
14	Q1199-05	BP-VPB-192-GW-240-2	VN085538.D	28 Jan 2025 15:01	vial A pH<2	JC\MD	Ok
15	Q1199-06	BP-VPB-192-GW-220-2	VN085539.D	28 Jan 2025 15:25	vial A pH<2 Surrogate Fail	JC\MD	ReRun
16	Q1199-07	BP-VPB-192-GW-DUP-	VN085540.D	28 Jan 2025 15:49	vial A pH<2	JC\MD	Ok
17	PB166233ZHE#11	PB166233ZHE#11	VN085541.D	28 Jan 2025 16:13		JC\MD	Ok
18	PB166233ZHE#12	PB166233ZHE#12	VN085542.D	28 Jan 2025 16:37		JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN012825

Review By	John Carlone	Review On	1/29/2025 9:40:00 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/29/2025 12:55:29 PM		
SubDirectory	VN012825	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132723
Initial Calibration Stds	
CCC	VP132724,VP132725
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB166233ZHE#13	PB166233ZHE#13	VN085543.D	28 Jan 2025 17:01		JC\MD	Ok
20	IBLK	IBLK	VN085544.D	28 Jan 2025 17:25		JC\MD	Ok
21	Q1199-06	BP-VPB-192-GW-220-2	VN085545.D	28 Jan 2025 17:50	vial B pH<2	JC\MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VN085546.D	28 Jan 2025 18:14		JC\MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY012425

Review By	Semsettin Yesilyurt	Review On	1/27/2025 8:17:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/27/2025 1:08:52 PM		
SubDirectory	VY012425	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y012425S.M

STD. NAME	STD REF.#
Tune/Reschk	VP132671
Initial Calibration Stds	VP132672,VP132673,VP132674,VP132675,VP132676,VP132677
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132680
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020922.D	24 Jan 2025 08:44		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020923.D	24 Jan 2025 09:42	Need ICAL	SY/MD	Not Ok
3	VSTDICC005	VSTDICC005	VY020924.D	24 Jan 2025 12:49	Spike error	SY/MD	Not Ok
4	VSTDICC010	VSTDICC010	VY020925.D	24 Jan 2025 13:11	Spike error	SY/MD	Not Ok
5	VSTDICC020	VSTDICC020	VY020926.D	24 Jan 2025 13:34	Spike error	SY/MD	Not Ok
6	VSTDICCC050	VSTDICCC050	VY020927.D	24 Jan 2025 14:03		SY/MD	Ok,M
7	VSTDICC100	VSTDICC100	VY020928.D	24 Jan 2025 14:27		SY/MD	Ok,M
8	VSTDICC150	VSTDICC150	VY020929.D	24 Jan 2025 14:50	Method fail for comp.#11	SY/MD	Ok,M
9	VIBLK	VIBLK	VY020930.D	24 Jan 2025 15:13		SY/MD	Ok
10	VSTDICC020	VSTDICC020	VY020931.D	24 Jan 2025 15:36		SY/MD	Ok,M
11	VSTDICC010	VSTDICC010	VY020932.D	24 Jan 2025 15:59		SY/MD	Ok,M
12	VSTDICC005	VSTDICC005	VY020933.D	24 Jan 2025 16:21		SY/MD	Ok,M
13	VSTDICV050	ICVVY012425	VY020934.D	24 Jan 2025 17:29		SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY012725

Review By	Semsettin Yesilyurt	Review On	1/28/2025 11:09:32 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:27:48 PM		
SubDirectory	VY012725	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y012425S.M

STD. NAME	STD REF.#
Tune/Reschk	VP132687
Initial Calibration Stds	
CCC	VP132688,VP132689
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020935.D	27 Jan 2025 08:32		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020936.D	27 Jan 2025 09:06		SY/MD	Ok,M
3	VY0127SBL01	VY0127SBL01	VY020937.D	27 Jan 2025 09:51		SY/MD	Ok
4	VY0127SBS01	VY0127SBS01	VY020938.D	27 Jan 2025 10:30		SY/MD	Ok,M
5	VY0127SBSD01	VY0127SBSD01	VY020939.D	27 Jan 2025 10:54		SY/MD	Ok,M
6	Q1183-01	VNJ-237	VY020940.D	27 Jan 2025 11:20	NOT PURGE	SY/MD	Not Ok
7	Q1187-01	SP-COMP	VY020941.D	27 Jan 2025 11:43	NOT PURGE	SY/MD	Not Ok
8	Q1183-01	VNJ-237	VY020942.D	27 Jan 2025 12:16	Internal Standard Fail,vial B	SY/MD	ReRun
9	Q1187-01	SP-COMP	VY020943.D	27 Jan 2025 12:38	NOT PURGE	SY/MD	Not Ok
10	Q1183-01	VNJ-237	VY020944.D	27 Jan 2025 13:02	vial A	SY/MD	Ok
11	Q1187-01	SP-COMP	VY020945.D	27 Jan 2025 13:25	NOT PURGE	SY/MD	Not Ok
12	Q1194-01	B-110-SB01	VY020946.D	27 Jan 2025 14:24	Internal Standard Fail,vial A	SY/MD	ReRun
13	Q1194-02	B-110-SB02	VY020947.D	27 Jan 2025 14:47	vial A	SY/MD	Ok
14	Q1194-03	B-113-SB01	VY020948.D	27 Jan 2025 15:10	not purge,vial A	SY/MD	Not Ok
15	Q1194-04	B-113-SB02	VY020949.D	27 Jan 2025 15:32	vial A	SY/MD	Ok
16	Q1194-01RE	B-110-SB01RE	VY020950.D	27 Jan 2025 16:01	Internal Standard Fail,vial B	SY/MD	Confirms
17	Q1194-03	B-113-SB01	VY020951.D	27 Jan 2025 16:24	vial B	SY/MD	Ok
18	Q1187-01	SP-COMP	VY020952.D	27 Jan 2025 16:49	Internal Standard Fail,vial A	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY012725

Review By	Semsettin Yesilyurt	Review On	1/28/2025 11:09:32 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:27:48 PM		
SubDirectory	VY012725	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y012425S.M

STD. NAME	STD REF.#
Tune/Reschk	VP132687
Initial Calibration Stds	
CCC	VP132688,VP132689
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1187-01RE	SP-COMPRE	VY020953.D	27 Jan 2025 17:11	Internal Standard Fail,vial B	SY/MD	Confirms
20	VIBLK	VIBLK	VY020954.D	27 Jan 2025 17:35		SY/MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VY020955.D	27 Jan 2025 17:57		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1194	**OrderDate:**	1/27/2025 9:35:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	N41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1194-01	**B-110-SB01**	**SOIL**			**01/25/25**			**01/27/25**
			VOC-TCLVOA-10	8260D			01/27/25	
Q1194-01RE	**B-110-SB01RE**	**SOIL**			**01/25/25**			**01/27/25**
			VOC-TCLVOA-10	8260D			01/27/25	
Q1194-02	**B-110-SB02**	**SOIL**			**01/25/25**			**01/27/25**
			VOC-TCLVOA-10	8260D			01/27/25	
Q1194-03	**B-113-SB01**	**SOIL**			**01/25/25**			**01/27/25**
			VOC-TCLVOA-10	8260D			01/27/25	
Q1194-04	**B-113-SB02**	**SOIL**			**01/25/25**			**01/27/25**
			VOC-TCLVOA-10	8260D			01/27/25	
Q1194-09	**FB**	**Water**			**01/25/25**			**01/27/25**
			VOC-TCLVOA-10	8260-Low			01/28/25	
Q1194-10	**TB**	**Water**			**01/25/25**			**01/27/25**
			VOC-TCLVOA-10	8260-Low			01/27/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : B-110-SB01									
Q1194-01	B-110-SB01	SOIL	Benzophenone	*	130.000	J	0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	Hexanedioic acid, bis(2-ethylhexy	*	200.000	J	0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	n-Hexadecanoic acid	*	170.000	J	0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	Propane, 1,1-dimethoxy-	*	90.800	JB	0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	unknown2.346	*	160.000	J	0	0	ug/Kg
			Total Tics :		**750.80**				
			Total Concentration:		**750.80**				
Client ID : B-110-SB02									
Q1194-02	B-110-SB02	SOIL	Benzophenone	*	140.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	Eicosane	*	140.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	Hexanedioic acid, dioctyl ester	*	500.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	n-Hexadecanoic acid	*	230.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	Propane, 1,1-dimethoxy-	*	130.000	JB	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	unknown13.869	*	130.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	unknown16.739	*	140.000	J	0	0	ug/Kg
			Total Tics :		**1,410.00**				
			Total Concentration:		**1,410.00**				
Client ID : B-113-SB01									
Q1194-03	B-113-SB01	SOIL	Fluorene		110.000	J	98.4	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Phenanthrene		820.000		96.6	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Anthracene		180.000	J	97.1	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Fluoranthene		600.000		94	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Pyrene		430.000		95.5	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo(a)anthracene		230.000		92.8	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Chrysene		200.000		91.5	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo(b)fluoranthene		180.000	J	93.3	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo(a)pyrene		170.000	J	110	200	ug/Kg
			Total Svoc :		**2,920.00**				
Q1194-03	B-113-SB01	SOIL	9,10-Dimethylanthracene	*	82.800	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzaldehyde, 3,5-dichloro-2-hyd	*	300.000	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo[e]pyrene	*	95.100	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Dibenzo[def,mno]chrysene	*	86.700	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Naphthalene, 2-phenyl-	*	130.000	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Phenanthrene, 1-methyl-	*	150.000	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Phenanthrene, 2-methyl-	*	150.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1194-03	B-113-SB01	SOIL	Propane, 1,1-dimethoxy-	*	120.000	JB	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Pyrene, 1-methyl-	*	92.800	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	unknown12.398	*	80.900	J	0	0	ug/Kg
			Total Tics :		**1,478.30**				
			Total Concentration:		**4,398.30**				
Client ID :	**B-113-SB02**								
Q1194-04	B-113-SB02	SOIL	Adipic acid, 2-ethylhexyl octyl es	*	280.000	J	0	0	ug/Kg
Q1194-04	B-113-SB02	SOIL	Benzophenone	*	200.000	J	0	0	ug/Kg
Q1194-04	B-113-SB02	SOIL	n-Hexadecanoic acid	*	380.000	J	0	0	ug/Kg
Q1194-04	B-113-SB02	SOIL	Propane, 1,1-dimethoxy-	*	160.000	JB	0	0	ug/Kg
			Total Tics :		**1,020.00**				
			Total Concentration:		**1,020.00**				
Client ID :	**EB**								
Q1194-08	EB	WATER	2-Propanol, 1-(2-methoxy-1-meth	*	3.200	J	0	0	ug/L
Q1194-08	EB	WATER	Benzophenone	*	2.100	J	0	0	ug/L
Q1194-08	EB	WATER	n-Hexadecanoic acid	*	14.700	J	0	0	ug/L
Q1194-08	EB	WATER	Octadecanoic acid	*	6.100	J	0	0	ug/L
Q1194-08	EB	WATER	Trifluoroacetoxy hexadecane	*	3.800	J	0	0	ug/L
			Total Tics :		**29.90**				
			Total Concentration:		**29.90**				

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	UQ	210	370	ug/Kg
108-95-2	Phenol	93.7	U	93.7	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	94.6	U	94.6	190	ug/Kg
95-57-8	2-Chlorophenol	94.3	U	94.3	190	ug/Kg
95-48-7	2-Methylphenol	91.1	U	91.1	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	98.2	U	98.2	190	ug/Kg
65794-96-9	3+4-Methylphenols	90.2	U	90.2	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.5	U	45.5	90.4	ug/Kg
67-72-1	Hexachloroethane	93.8	U	93.8	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	95.6	U	95.6	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	96.9	U	96.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85.3	U	85.3	190	ug/Kg
91-20-3	Naphthalene	93.3	U	93.3	190	ug/Kg
106-47-8	4-Chloroaniline	93.3	UQ	93.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.1	U	94.1	190	ug/Kg
105-60-2	Caprolactam	98.1	U	98.1	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.6	U	87.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	93.2	U	93.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	UQ	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.7	U	80.7	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83.6	U	83.6	190	ug/Kg
92-52-4	1,1-Biphenyl	98.8	U	98.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.1	U	94.1	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	92.3	U	92.3	190	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	97.7	U	97.7	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.0	U	94.0	190	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	190	ug/Kg
83-32-9	Acenaphthene	91.6	U	91.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	370	ug/Kg
132-64-9	Dibenzofuran	95.4	U	95.4	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.4	U	97.4	190	ug/Kg
84-66-2	Diethylphthalate	90.5	U	90.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.7	U	96.7	190	ug/Kg
86-73-7	Fluorene	96.6	U	96.6	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.2	U	92.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	89.1	U	89.1	190	ug/Kg
118-74-1	Hexachlorobenzene	96.0	U	96.0	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	87.3	U	87.3	370	ug/Kg
85-01-8	Phenanthrene	94.9	U	94.9	190	ug/Kg
120-12-7	Anthracene	95.4	U	95.4	190	ug/Kg
86-74-8	Carbazole	90.7	U	90.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	95.2	U	95.2	190	ug/Kg
206-44-0	Fluoranthene	92.3	U	92.3	190	ug/Kg
129-00-0	Pyrene	93.8	U	93.8	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	91.2	U	91.2	190	ug/Kg
218-01-9	Chrysene	89.8	U	89.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.6	U	91.6	190	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	93.3	U	93.3	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88.2	U	88.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	91.7	U	91.7	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.5	U	90.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.1	U	98.1	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	84.4	U	84.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.7		30 (18) - 130 (112)	58%	SPK: 150
13127-88-3	Phenol-d6	84.9		30 (15) - 130 (107)	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.0		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.4		30 (20) - 130 (109)	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.0		30 (10) - 130 (116)	54%	SPK: 150
1718-51-0	Terphenyl-d14	46.2		30 (10) - 130 (105)	46%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.798			
1146-65-2	Naphthalene-d8	588000	8.081			
15067-26-2	Acenaphthene-d10	300000	9.834			
1517-22-2	Phenanthrene-d10	443000	11.322			
1719-03-5	Chrysene-d12	301000	13.963			
1520-96-3	Perylene-d12	270000	15.416			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	90.8	JB		2.16	ug/Kg
	unknown2.346	160	J		2.35	ug/Kg
000119-61-9	Benzophenone	130	J		10.5	ug/Kg
000057-10-3	n-Hexadecanoic acid	170	J		11.9	ug/Kg
000103-23-1	Hexanedioic acid, bis(2-ethylhexyl	200	J		13.5	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	320	UQ	320	580	ug/Kg
108-95-2	Phenol	150	U	150	300	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	150	300	ug/Kg
95-57-8	2-Chlorophenol	150	U	150	300	ug/Kg
95-48-7	2-Methylphenol	140	U	140	300	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	160	300	ug/Kg
98-86-2	Acetophenone	150	U	150	300	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	580	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	70.6	U	70.6	140	ug/Kg
67-72-1	Hexachloroethane	150	U	150	300	ug/Kg
98-95-3	Nitrobenzene	160	U	160	300	ug/Kg
78-59-1	Isophorone	150	U	150	300	ug/Kg
88-75-5	2-Nitrophenol	170	U	170	300	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	160	300	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	150	300	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	130	300	ug/Kg
91-20-3	Naphthalene	140	U	140	300	ug/Kg
106-47-8	4-Chloroaniline	140	UQ	140	300	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	300	ug/Kg
105-60-2	Caprolactam	150	U	150	580	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	140	300	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	300	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	UQ	270	580	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	130	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	300	ug/Kg
92-52-4	1,1-Biphenyl	150	U	150	300	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	150	300	ug/Kg
88-74-4	2-Nitroaniline	170	U	170	300	ug/Kg
131-11-3	Dimethylphthalate	140	U	140	300	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	150	300	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	150	300	ug/Kg
99-09-2	3-Nitroaniline	160	UQ	160	300	ug/Kg
83-32-9	Acenaphthene	140	U	140	300	ug/Kg
51-28-5	2,4-Dinitrophenol	430	U	430	580	ug/Kg
100-02-7	4-Nitrophenol	200	U	200	580	ug/Kg
132-64-9	Dibenzofuran	150	U	150	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	150	300	ug/Kg
84-66-2	Diethylphthalate	140	U	140	300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	150	300	ug/Kg
86-73-7	Fluorene	150	U	150	300	ug/Kg
100-01-6	4-Nitroaniline	190	U	190	300	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	210	580	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	140	300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	300	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	300	ug/Kg
1912-24-9	Atrazine	160	U	160	300	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	580	ug/Kg
85-01-8	Phenanthrene	150	U	150	300	ug/Kg
120-12-7	Anthracene	150	U	150	300	ug/Kg
86-74-8	Carbazole	140	U	140	300	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	300	ug/Kg
206-44-0	Fluoranthene	140	U	140	300	ug/Kg
129-00-0	Pyrene	150	U	150	300	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	170	300	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	UQ	170	580	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	140	300	ug/Kg
218-01-9	Chrysene	140	U	140	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	160	300	ug/Kg
117-84-0	Di-n-octyl phthalate	190	U	190	580	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	140	300	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	140	300	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	160	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	140	300	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	300	ug/Kg
123-91-1	1,4-Dioxane	190	U	190	300	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	130	300	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	73.0		30 (18) - 130 (112)	49%	SPK: 150
13127-88-3	Phenol-d6	69.9		30 (15) - 130 (107)	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.9		30 (18) - 130 (107)	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.0		30 (20) - 130 (109)	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	61.9		30 (10) - 130 (116)	41%	SPK: 150
1718-51-0	Terphenyl-d14	35.0		30 (10) - 130 (105)	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.798			
1146-65-2	Naphthalene-d8	594000	8.081			
15067-26-2	Acenaphthene-d10	307000	9.834			
1517-22-2	Phenanthrene-d10	442000	11.322			
1719-03-5	Chrysene-d12	305000	13.963			
1520-96-3	Perylene-d12	279000	15.416			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	130	JB		2.15	ug/Kg
000119-61-9	Benzophenone	140	J		10.5	ug/Kg
000057-10-3	n-Hexadecanoic acid	230	J		11.9	ug/Kg
000123-79-5	Hexanedioic acid, dioctyl ester	500	J		13.5	ug/Kg
	unknown13.869	130	J		13.9	ug/Kg
000112-95-8	Eicosane	140	J		15.1	ug/Kg
	unknown16.739	140	J		16.7	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	UQ	210	380	ug/Kg
108-95-2	Phenol	95.4	U	95.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	96.3	U	96.3	200	ug/Kg
95-57-8	2-Chlorophenol	96.1	U	96.1	200	ug/Kg
95-48-7	2-Methylphenol	92.7	U	92.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	200	ug/Kg
98-86-2	Acetophenone	100	U	100	200	ug/Kg
65794-96-9	3+4-Methylphenols	91.8	U	91.8	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.4	U	46.4	92.0	ug/Kg
67-72-1	Hexachloroethane	95.5	U	95.5	200	ug/Kg
98-95-3	Nitrobenzene	100	U	100	200	ug/Kg
78-59-1	Isophorone	97.3	U	97.3	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	98.7	U	98.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	86.9	U	86.9	200	ug/Kg
91-20-3	Naphthalene	95.0	U	95.0	200	ug/Kg
106-47-8	4-Chloroaniline	95.0	UQ	95.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	95.8	U	95.8	200	ug/Kg
105-60-2	Caprolactam	99.9	U	99.9	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.2	U	89.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	UQ	180	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.1	U	82.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	85.1	U	85.1	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	200	ug/Kg
91-58-7	2-Chloronaphthalene	95.8	U	95.8	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	200	ug/Kg
131-11-3	Dimethylphthalate	94.0	U	94.0	200	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	99.5	U	99.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	95.7	U	95.7	200	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	200	ug/Kg
83-32-9	Acenaphthene	93.3	U	93.3	200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	380	ug/Kg
132-64-9	Dibenzofuran	97.1	U	97.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.2	U	99.2	200	ug/Kg
84-66-2	Diethylphthalate	92.1	U	92.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.5	U	98.5	200	ug/Kg
86-73-7	Fluorene	110	J	98.4	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.9	U	93.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	90.8	U	90.8	200	ug/Kg
118-74-1	Hexachlorobenzene	97.8	U	97.8	200	ug/Kg
1912-24-9	Atrazine	110	U	110	200	ug/Kg
87-86-5	Pentachlorophenol	88.9	U	88.9	380	ug/Kg
85-01-8	Phenanthrene	820		96.6	200	ug/Kg
120-12-7	Anthracene	180	J	97.1	200	ug/Kg
86-74-8	Carbazole	92.4	U	92.4	200	ug/Kg
84-74-2	Di-n-butylphthalate	97.0	U	97.0	200	ug/Kg
206-44-0	Fluoranthene	600		94.0	200	ug/Kg
129-00-0	Pyrene	430		95.5	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	380	ug/Kg
56-55-3	Benzo(a)anthracene	230		92.8	200	ug/Kg
218-01-9	Chrysene	200		91.5	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	180	J	93.3	200	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	95.0	U	95.0	200	ug/Kg
50-32-8	Benzo(a)pyrene	170	J	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	89.8	U	89.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	93.4	U	93.4	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.1	U	92.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.9	U	99.9	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	85.9	U	85.9	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	110		30 (18) - 130 (112)	74%	SPK: 150
13127-88-3	Phenol-d6	106		30 (15) - 130 (107)	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.3		30 (18) - 130 (107)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		30 (10) - 130 (116)	71%	SPK: 150
1718-51-0	Terphenyl-d14	60.0		30 (10) - 130 (105)	60%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70300	6.787			
1146-65-2	Naphthalene-d8	280000	8.069			
15067-26-2	Acenaphthene-d10	156000	9.822			
1517-22-2	Phenanthrene-d10	273000	11.31			
1719-03-5	Chrysene-d12	230000	13.951			
1520-96-3	Perylene-d12	197000	15.41			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	120	JB		2.13	ug/Kg
000119-61-9	Benzophenone	190	J		10.5	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	150	J		11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	150	J		11.8	ug/Kg
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	300	J		11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	130	J		12.1	ug/Kg
000781-43-1	9,10-Dimethylanthracene	82.8	J		12.4	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown12.398	80.9	J		12.4	ug/Kg
002381-21-7	Pyrene, 1-methyl-	92.8	J		13.1	ug/Kg
000192-97-2	Benzo[e]pyrene	95.1	J		15.3	ug/Kg
000191-26-4	Dibenzo[def,mno]chrysene	86.7	J		16.8	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	280	UQ	280	510	ug/Kg
108-95-2	Phenol	130	U	130	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	260	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	260	ug/Kg
95-48-7	2-Methylphenol	120	U	120	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	260	ug/Kg
98-86-2	Acetophenone	130	U	130	260	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	62.2	U	62.2	120	ug/Kg
67-72-1	Hexachloroethane	130	U	130	260	ug/Kg
98-95-3	Nitrobenzene	140	U	140	260	ug/Kg
78-59-1	Isophorone	130	U	130	260	ug/Kg
88-75-5	2-Nitrophenol	150	U	150	260	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	260	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	120	260	ug/Kg
91-20-3	Naphthalene	130	U	130	260	ug/Kg
106-47-8	4-Chloroaniline	130	UQ	130	260	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	260	ug/Kg
105-60-2	Caprolactam	130	U	130	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	260	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	UQ	240	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	260	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	260	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	260	ug/Kg
88-74-4	2-Nitroaniline	150	U	150	260	ug/Kg
131-11-3	Dimethylphthalate	130	U	130	260	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	130	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	130	260	ug/Kg
99-09-2	3-Nitroaniline	140	UQ	140	260	ug/Kg
83-32-9	Acenaphthene	130	U	130	260	ug/Kg
51-28-5	2,4-Dinitrophenol	370	U	370	510	ug/Kg
100-02-7	4-Nitrophenol	180	U	180	510	ug/Kg
132-64-9	Dibenzofuran	130	U	130	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	260	ug/Kg
84-66-2	Diethylphthalate	120	U	120	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	130	260	ug/Kg
86-73-7	Fluorene	130	U	130	260	ug/Kg
100-01-6	4-Nitroaniline	170	U	170	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	180	510	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	260	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	260	ug/Kg
1912-24-9	Atrazine	140	U	140	260	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	510	ug/Kg
85-01-8	Phenanthrene	130	U	130	260	ug/Kg
120-12-7	Anthracene	130	U	130	260	ug/Kg
86-74-8	Carbazole	120	U	120	260	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	260	ug/Kg
206-44-0	Fluoranthene	130	U	130	260	ug/Kg
129-00-0	Pyrene	130	U	130	260	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	150	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	UQ	150	510	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	260	ug/Kg
218-01-9	Chrysene	120	U	120	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	260	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	130	260	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	130	260	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	140	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	260	ug/Kg
123-91-1	1,4-Dioxane	170	U	170	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	120	U	120	260	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	108		30 (18) - 130 (112)	72%	SPK: 150
13127-88-3	Phenol-d6	104		30 (15) - 130 (107)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.9		30 (18) - 130 (107)	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.9		30 (20) - 130 (109)	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	102		30 (10) - 130 (116)	68%	SPK: 150
1718-51-0	Terphenyl-d14	56.4		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	148000	6.798			
1146-65-2	Naphthalene-d8	590000	8.081			
15067-26-2	Acenaphthene-d10	307000	9.833			
1517-22-2	Phenanthrene-d10	457000	11.321			
1719-03-5	Chrysene-d12	306000	13.962			
1520-96-3	Perylene-d12	277000	15.421			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	160	JB		2.16	ug/Kg
000119-61-9	Benzophenone	200	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	380	J		11.9	ug/Kg
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	280	J		13.5	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	UQ	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	UQ	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	UQ	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	25.5		15 (10) - 110 (139)	34%	SPK: 75
13127-88-3	Phenol-d6	16.6		15 (10) - 110 (134)	22%	SPK: 75
4165-60-0	Nitrobenzene-d5	32.2		30 (49) - 130 (133)	64%	SPK: 50
321-60-8	2-Fluorobiphenyl	32.8		30 (52) - 130 (132)	66%	SPK: 50
118-79-6	2,4,6-Tribromophenol	52.9		15 (44) - 110 (137)	71%	SPK: 75
1718-51-0	Terphenyl-d14	35.1		30 (48) - 130 (125)	70%	SPK: 50
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	101000	6.793			
1146-65-2	Naphthalene-d8	410000	8.075			
15067-26-2	Acenaphthene-d10	228000	9.828			
1517-22-2	Phenanthrene-d10	407000	11.316			
1719-03-5	Chrysene-d12	332000	13.957			
1520-96-3	Perylene-d12	265000	15.41			
TENTATIVE IDENTIFIED COMPOUNDS						
020324-32-7	2-Propanol, 1-(2-methoxy-1-methyle	3.20	J		8.32	ug/L
000119-61-9	Benzophenone	2.10	J		10.5	ug/L
000057-10-3	n-Hexadecanoic acid	14.7	J		11.9	ug/L
000057-11-4	Octadecanoic acid	6.10	J		12.6	ug/L
006222-03-3	Trifluoroacetoxy hexadecane	3.80	J		13.8	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166294BL	PB166294BL	2-Fluorophenol	150	132	88		30 (18)	130 (112)
		Phenol-d6	150	126	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	91.8	92		30 (18)	130 (107)
		2-Fluorobiphenyl	100	92.9	93		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	142	95		30 (10)	130 (116)
		Terphenyl-d14	100	85.6	86		30 (10)	130 (105)
PB166294BS	PB166294BS	2-Fluorophenol	150	133	88		30 (18)	130 (112)
		Phenol-d6	150	128	85		30 (15)	130 (107)
		Nitrobenzene-d5	100	95.1	95		30 (18)	130 (107)
		2-Fluorobiphenyl	100	93.5	94		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	155	103		30 (10)	130 (116)
		Terphenyl-d14	100	95.8	96		30 (10)	130 (105)
Q1194-01	B-110-SB01	2-Fluorophenol	150	87.7	58		30 (18)	130 (112)
		Phenol-d6	150	84.9	57		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.0	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	59.4	59		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	81.0	54		30 (10)	130 (116)
		Terphenyl-d14	100	46.2	46		30 (10)	130 (105)
Q1194-02	B-110-SB02	2-Fluorophenol	150	73.0	49		30 (18)	130 (112)
		Phenol-d6	150	69.9	47		30 (15)	130 (107)
		Nitrobenzene-d5	100	47.9	48		30 (18)	130 (107)
		2-Fluorobiphenyl	100	46.0	46		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	61.9	41		30 (10)	130 (116)
		Terphenyl-d14	100	35.0	35		30 (10)	130 (105)
Q1194-03	B-113-SB01	2-Fluorophenol	150	110	74		30 (18)	130 (112)
		Phenol-d6	150	106	70		30 (15)	130 (107)
		Nitrobenzene-d5	100	76.3	76		30 (18)	130 (107)
		2-Fluorobiphenyl	100	74.1	74		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	107	71		30 (10)	130 (116)
		Terphenyl-d14	100	60.0	60		30 (10)	130 (105)
Q1194-04	B-113-SB02	2-Fluorophenol	150	108	72		30 (18)	130 (112)
		Phenol-d6	150	104	69		30 (15)	130 (107)
		Nitrobenzene-d5	100	72.9	73		30 (18)	130 (107)
		2-Fluorobiphenyl	100	68.9	69		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	102	68		30 (10)	130 (116)
		Terphenyl-d14	100	56.4	56		30 (10)	130 (105)
Q1194-04MS	B-113-SB02MS	2-Fluorophenol	150	93.0	62		30 (18)	130 (112)
		Phenol-d6	150	91.1	61		30 (15)	130 (107)
		Nitrobenzene-d5	100	65.2	65		30 (18)	130 (107)
		2-Fluorobiphenyl	100	61.8	62		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.2	61		30 (10)	130 (116)
		Terphenyl-d14	100	52.5	53		30 (10)	130 (105)
Q1194-04MSD	B-113-SB02MSD	2-Fluorophenol	150	92.8	62		30 (18)	130 (112)
		Phenol-d6	150	89.2	59		30 (15)	130 (107)
		Nitrobenzene-d5	100	64.3	64		30 (18)	130 (107)
		2-Fluorobiphenyl	100	60.9	61		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	88.9	59		30 (10)	130 (116)
		Terphenyl-d14	100	49.9	50		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166339BL	PB166339BL	2-Fluorophenol	150	120	80		15 (10)	110 (139)
		Phenol-d6	150	117	78		15 (10)	110 (134)
		Nitrobenzene-d5	100	81.4	81		30 (49)	130 (133)
		2-Fluorobiphenyl	100	78.3	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	120	80		15 (44)	110 (137)
		Terphenyl-d14	100	81.6	82		30 (48)	130 (125)
PB166339BS	PB166339BS	2-Fluorophenol	150	136	90		15 (10)	110 (139)
		Phenol-d6	150	130	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.4	96		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.6	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	152	102		15 (44)	110 (137)
		Terphenyl-d14	100	95.4	95		30 (48)	130 (125)
PB166339BSD	PB166339BSD	2-Fluorophenol	150	131	87		15 (10)	110 (139)
		Phenol-d6	150	124	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.1	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.4	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	151	101		15 (44)	110 (137)
		Terphenyl-d14	100	96.5	96		30 (48)	130 (125)
Q1194-08	EB	2-Fluorophenol	75	25.5	34		15 (10)	110 (139)
		Phenol-d6	75	16.6	22		15 (10)	110 (134)
		Nitrobenzene-d5	50	32.2	64		30 (49)	130 (133)
		2-Fluorobiphenyl	50	32.8	66		30 (52)	130 (132)
		2,4,6-Tribromophenol	75	52.9	71		15 (44)	110 (137)
		Terphenyl-d14	50	35.1	70		30 (48)	130 (125)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1194-04MS		**Client Sample ID: B-113-SB02MS**						**DataFile: BF141352.D**			
Benzaldehyde	2600	0	330	ug/Kg	13	*			20 (10)	160 (86)	
Phenol	2600	0	2100	ug/Kg	81				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	2600	0	2200	ug/Kg	85				70 (54)	130 (125)	
2-Chlorophenol	2600	0	2200	ug/Kg	85				70 (79)	130 (107)	
2-Methylphenol	2600	0	2100	ug/Kg	81				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	2600	0	2100	ug/Kg	81				70 (65)	130 (110)	
Acetophenone	2600	0	2200	ug/Kg	85				70 (75)	130 (111)	
3+4-Methylphenols	2600	0	2200	ug/Kg	85				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	2600	0	2100	ug/Kg	81				70 (59)	130 (119)	
Hexachloroethane	2600	0	2100	ug/Kg	81				20 (65)	160 (117)	
Nitrobenzene	2600	0	2100	ug/Kg	81				70 (70)	130 (119)	
Isophorone	2600	0	2200	ug/Kg	85				70 (76)	130 (122)	
2-Nitrophenol	2600	0	2200	ug/Kg	85				70 (54)	130 (145)	
2,4-Dimethylphenol	2600	0	2600	ug/Kg	100				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	2600	0	2200	ug/Kg	85				70 (68)	130 (112)	
2,4-Dichlorophenol	2600	0	2200	ug/Kg	85				70 (72)	130 (118)	
Naphthalene	2600	0	2100	ug/Kg	81				70 (72)	130 (110)	
4-Chloroaniline	2600	0	450	ug/Kg	17	*			70 (10)	130 (91)	
Hexachlorobutadiene	2600	0	2000	ug/Kg	77				70 (66)	130 (114)	
Caprolactam	2600	0	2200	ug/Kg	85				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2600	0	2200	ug/Kg	85				70 (57)	130 (132)	
2-Methylnaphthalene	2600	0	2100	ug/Kg	81				70 (59)	130 (123)	
Hexachlorocyclopentadiene	5100	0	6900	ug/Kg	135				20 (10)	160 (175)	
2,4,6-Trichlorophenol	2600	0	2200	ug/Kg	85				70 (72)	130 (117)	
2,4,5-Trichlorophenol	2600	0	2200	ug/Kg	85				70 (72)	130 (117)	
1,1-Biphenyl	2600	0	2200	ug/Kg	85				70 (75)	130 (113)	
2-Chloronaphthalene	2600	0	2100	ug/Kg	81				70 (67)	130 (118)	
2-Nitroaniline	2600	0	2200	ug/Kg	85				70 (69)	130 (127)	
Dimethylphthalate	2600	0	2300	ug/Kg	88				70 (70)	130 (113)	
Acenaphthylene	2600	0	2300	ug/Kg	88				70 (79)	130 (118)	
2,6-Dinitrotoluene	2600	0	2100	ug/Kg	81				70 (70)	130 (125)	
3-Nitroaniline	2600	0	1400	ug/Kg	54	*			70 (30)	130 (99)	
Acenaphthene	2600	0	2400	ug/Kg	92				70 (70)	130 (121)	
2,4-Dinitrophenol	5100	0	5000	ug/Kg	98				20 (10)	160 (155)	
4-Nitrophenol	5100	0	3800	ug/Kg	75				20 (45)	160 (133)	
Dibenzofuran	2600	0	2100	ug/Kg	81				70 (72)	130 (110)	
2,4-Dinitrotoluene	2600	0	2200	ug/Kg	85				70 (55)	130 (128)	
Diethylphthalate	2600	0	2200	ug/Kg	85				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	2600	0	2100	ug/Kg	81				70 (71)	130 (108)	
Fluorene	2600	0	2000	ug/Kg	77				70 (68)	130 (116)	
4-Nitroaniline	2600	0	1900	ug/Kg	73				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	2600	0	2800	ug/Kg	108				70 (10)	130 (160)	
N-Nitrosodiphenylamine	2600	0	2500	ug/Kg	96				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2600	0	2400	ug/Kg	92				70 (65)	130 (121)	
Hexachlorobenzene	2600	0	2300	ug/Kg	88				70 (67)	130 (118)	
Atrazine	2600	0	2400	ug/Kg	92				70 (79)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	5100	0	4300	ug/Kg	84				20 (47)	160 (128)	
Phenanthrene	2600	0	2200	ug/Kg	85				70 (52)	130 (128)	
Anthracene	2600	0	2300	ug/Kg	88				70 (62)	130 (124)	
Carbazole	2600	0	2100	ug/Kg	81				70 (59)	130 (119)	
Di-n-butylphthalate	2600	0	2400	ug/Kg	92				70 (69)	130 (118)	
Fluoranthene	2600	0	2000	ug/Kg	77				70 (44)	130 (125)	
Pyrene	2600	0	1800	ug/Kg	69	*			70 (26)	130 (142)	
Butylbenzylphthalate	2600	0	2100	ug/Kg	81				70 (64)	130 (126)	
3,3-Dichlorobenzidine	2600	0	1500	ug/Kg	58	*			70 (33)	130 (116)	
Benzo(a)anthracene	2600	0	2100	ug/Kg	81				70 (71)	130 (114)	
Chrysene	2600	0	2300	ug/Kg	88				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2600	0	2200	ug/Kg	85				70 (42)	130 (169)	
Di-n-octyl phthalate	2600	0	2600	ug/Kg	100				70 (23)	130 (175)	
Benzo(b)fluoranthene	2600	0	2400	ug/Kg	92				70 (67)	130 (121)	
Benzo(k)fluoranthene	2600	0	2400	ug/Kg	92				70 (57)	130 (134)	
Benzo(a)pyrene	2600	0	2500	ug/Kg	96				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2600	0	1800	ug/Kg	69	*			70 (40)	130 (129)	
Dibenz(a,h)anthracene	2600	0	1800	ug/Kg	69	*			70 (43)	130 (123)	
Benzo(g,h,i)perylene	2600	0	1500	ug/Kg	58	*			70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	2600	0	2200	ug/Kg	85				70 (69)	130 (124)	
1,4-Dioxane	2600	0	1900	ug/Kg	73				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2600	0	2300	ug/Kg	88				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1194-04MSD		**Client Sample ID: B-113-SB02MSD**						**DataFile: BF141353.D**			
Benzaldehyde	2600	0	330	ug/Kg	13	*	0		20 (10)	160 (86)	30 (20)
Phenol	2600	0	2100	ug/Kg	81		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	2600	0	2200	ug/Kg	85		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	2600	0	2200	ug/Kg	85		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	2600	0	2000	ug/Kg	77		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	2600	0	2100	ug/Kg	81		0		70 (65)	130 (110)	30 (20)
Acetophenone	2600	0	2100	ug/Kg	81		5		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	2600	0	2200	ug/Kg	85		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	2600	0	2100	ug/Kg	81		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	2600	0	2100	ug/Kg	81		0		20 (65)	160 (117)	30 (20)
Nitrobenzene	2600	0	2100	ug/Kg	81		0		70 (70)	130 (119)	30 (20)
Isophorone	2600	0	2200	ug/Kg	85		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	2600	0	2200	ug/Kg	85		0		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	2600	0	2600	ug/Kg	100		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	2600	0	2100	ug/Kg	81		5		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	2600	0	2200	ug/Kg	85		0		70 (72)	130 (118)	30 (20)
Naphthalene	2600	0	2000	ug/Kg	77		5		70 (72)	130 (110)	30 (20)
4-Chloroaniline	2600	0	600	ug/Kg	23	*	30		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	2600	0	2000	ug/Kg	77		0		70 (66)	130 (114)	30 (20)
Caprolactam	2600	0	2100	ug/Kg	81		5		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2600	0	2100	ug/Kg	81		5		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2600	0	2100	ug/Kg	81		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	5100	0	6600	ug/Kg	129		5		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2600	0	2200	ug/Kg	85		0		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	2600	0	2100	ug/Kg	81		5		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	2600	0	2100	ug/Kg	81		5		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	2600	0	2000	ug/Kg	77		5		70 (67)	130 (118)	30 (20)
2-Nitroaniline	2600	0	2200	ug/Kg	85		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	2600	0	2200	ug/Kg	85		3		70 (70)	130 (113)	30 (20)
Acenaphthylene	2600	0	2200	ug/Kg	85		3		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	2600	0	2100	ug/Kg	81		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	2600	0	1400	ug/Kg	54	*	0		70 (30)	130 (99)	30 (20)
Acenaphthene	2600	0	2300	ug/Kg	88		4		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	5100	0	4800	ug/Kg	94		4		20 (10)	160 (155)	30 (20)
4-Nitrophenol	5100	0	3600	ug/Kg	71		5		20 (45)	160 (133)	30 (20)
Dibenzofuran	2600	0	2100	ug/Kg	81		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	2600	0	2100	ug/Kg	81		5		70 (55)	130 (128)	30 (20)
Diethylphthalate	2600	0	2200	ug/Kg	85		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	2600	0	2000	ug/Kg	77		5		70 (71)	130 (108)	30 (20)
Fluorene	2600	0	2000	ug/Kg	77		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	2600	0	1900	ug/Kg	73		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	2600	0	2700	ug/Kg	104		4		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	2600	0	2400	ug/Kg	92		4		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2600	0	2400	ug/Kg	92		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2600	0	2300	ug/Kg	88		0		70 (67)	130 (118)	30 (20)
Atrazine	2600	0	2300	ug/Kg	88		4		70 (79)	130 (127)	30 (20)

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	5100	0	4100	ug/Kg	80		5		20 (47)	160 (128)	30 (20)
Phenanthrene	2600	0	2200	ug/Kg	85		0		70 (52)	130 (128)	30 (20)
Anthracene	2600	0	2300	ug/Kg	88		0		70 (62)	130 (124)	30 (20)
Carbazole	2600	0	2000	ug/Kg	77		5		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2600	0	2300	ug/Kg	88		4		70 (69)	130 (118)	30 (20)
Fluoranthene	2600	0	2000	ug/Kg	77		0		70 (44)	130 (125)	30 (20)
Pyrene	2600	0	1700	ug/Kg	65	*	6		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	2600	0	2000	ug/Kg	77		5		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	2600	0	1600	ug/Kg	62	*	7		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	2600	0	2000	ug/Kg	77		5		70 (71)	130 (114)	30 (20)
Chrysene	2600	0	2200	ug/Kg	85		3		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2600	0	2100	ug/Kg	81		5		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	2600	0	2500	ug/Kg	96		4		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	2600	0	2200	ug/Kg	85		8		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	2600	0	2600	ug/Kg	100		8		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2600	0	2400	ug/Kg	92		4		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2600	0	1800	ug/Kg	69	*	0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2600	0	1800	ug/Kg	69	*	0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2600	0	1500	ug/Kg	58	*	0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	2600	0	2100	ug/Kg	81		5		70 (69)	130 (124)	30 (20)
1,4-Dioxane	2600	0	1900	ug/Kg	73		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2600	0	2200	ug/Kg	85		3		70 (69)	130 (112)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141439.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166294BS	Benzaldehyde	1700	200	ug/Kg	12		*		20 (10)	160 (133)	
	Phenol	1700	1500	ug/Kg	88				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	2-Chlorophenol	1700	1600	ug/Kg	94				70 (65)	130 (112)	
	2-Methylphenol	1700	1500	ug/Kg	88				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				70 (51)	130 (100)	
	Acetophenone	1700	1600	ug/Kg	94				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1600	ug/Kg	94				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				70 (63)	130 (95)	
	Hexachloroethane	1700	1600	ug/Kg	94				20 (72)	160 (108)	
	Nitrobenzene	1700	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1600	ug/Kg	94				70 (59)	130 (99)	
	2-Nitrophenol	1700	1600	ug/Kg	94				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				70 (62)	130 (107)	
	Naphthalene	1700	1500	ug/Kg	88				70 (62)	130 (100)	
	4-Chloroaniline	1700	720	ug/Kg	42		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				70 (53)	130 (98)	
	Caprolactam	1700	1500	ug/Kg	88				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	6100	ug/Kg	185		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1600	ug/Kg	94				70 (61)	130 (99)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				70 (61)	130 (104)	
	3-Nitroaniline	1700	900	ug/Kg	53		*		70 (28)	130 (100)	
	Acenaphthene	1700	1800	ug/Kg	106				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3800	ug/Kg	115				20 (37)	160 (128)	
	4-Nitrophenol	3300	3400	ug/Kg	103				20 (48)	160 (119)	
	Dibenzofuran	1700	1600	ug/Kg	94				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				70 (60)	130 (106)	
	Diethylphthalate	1700	1600	ug/Kg	94				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				70 (58)	130 (98)	
	Fluorene	1700	1600	ug/Kg	94				70 (61)	130 (101)	
	4-Nitroaniline	1700	1600	ug/Kg	94				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1900	ug/Kg	112				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141439.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166294BS	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Atrazine	1700	1700	ug/Kg	100				70 (47)	130 (152)	
	Pentachlorophenol	3300	3400	ug/Kg	103				20 (67)	160 (105)	
	Phenanthrene	1700	1700	ug/Kg	100				70 (59)	130 (103)	
	Anthracene	1700	1800	ug/Kg	106				70 (61)	130 (105)	
	Carbazole	1700	1800	ug/Kg	106				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				70 (58)	130 (104)	
	Fluoranthene	1700	1800	ug/Kg	106				70 (57)	130 (107)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	800	ug/Kg	47		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Chrysene	1700	1600	ug/Kg	94				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1800	ug/Kg	106				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				70 (53)	130 (101)	
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				70 (59)	130 (108)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141442.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166339BS	Benzaldehyde	50	6.70	ug/L	13		*		20 (10)	160 (162)	
	Phenol	50	46.5	ug/L	93				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	45.8	ug/L	92				70 (62)	130 (103)	
	2-Chlorophenol	50	49.1	ug/L	98				70 (70)	130 (117)	
	2-Methylphenol	50	46.5	ug/L	93				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	45.0	ug/L	90				70 (65)	130 (100)	
	Acetophenone	50	50.6	ug/L	101				70 (60)	130 (104)	
	3+4-Methylphenols	50	49.1	ug/L	98				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	47.5	ug/L	95				70 (57)	130 (107)	
	Hexachloroethane	50	49.7	ug/L	99				20 (76)	160 (118)	
	Nitrobenzene	50	47.1	ug/L	94				70 (58)	130 (106)	
	Isophorone	50	48.6	ug/L	97				70 (61)	130 (102)	
	2-Nitrophenol	50	50.1	ug/L	100				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	56.9	ug/L	114				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	45.9	ug/L	92				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	49.0	ug/L	98				70 (66)	130 (115)	
	Naphthalene	50	48.3	ug/L	97				70 (64)	130 (107)	
	4-Chloroaniline	50	19.6	ug/L	39		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	51.1	ug/L	102				70 (69)	130 (101)	
	Caprolactam	50	46.8	ug/L	94				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	50.7	ug/L	101				70 (65)	130 (114)	
	2-Methylnaphthalene	50	48.7	ug/L	97				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	190	ug/L	190		*		20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	49.0	ug/L	98				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	48.0	ug/L	96				70 (70)	130 (106)	
	1,1-Biphenyl	50	47.5	ug/L	95				70 (72)	130 (98)	
	2-Chloronaphthalene	50	45.9	ug/L	92				70 (59)	130 (106)	
	2-Nitroaniline	50	50.6	ug/L	101				70 (73)	130 (114)	
	Dimethylphthalate	50	48.7	ug/L	97				70 (64)	130 (103)	
	Acenaphthylene	50	50.8	ug/L	102				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	47.3	ug/L	95				70 (64)	130 (110)	
	3-Nitroaniline	50	26.4	ug/L	53		*		70 (28)	130 (100)	
	Acenaphthene	50	55.1	ug/L	110				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	110	ug/L	110				20 (36)	160 (166)	
	4-Nitrophenol	100	110	ug/L	110				20 (45)	160 (147)	
	Dibenzofuran	50	49.0	ug/L	98				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	51.2	ug/L	102				70 (60)	130 (115)	
	Diethylphthalate	50	49.7	ug/L	99				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	49.6	ug/L	99				70 (61)	130 (104)	
	Fluorene	50	50.4	ug/L	101				70 (64)	130 (107)	
	4-Nitroaniline	50	49.3	ug/L	99				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	59.5	ug/L	119				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	49.5	ug/L	99				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	48.9	ug/L	98				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141442.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166339BS	Hexachlorobenzene	50	49.7	ug/L	99				70 (73)	130 (106)	
	Atrazine	50	52.3	ug/L	105				70 (76)	130 (120)	
	Pentachlorophenol	100	100	ug/L	100				20 (47)	160 (114)	
	Phenanthrene	50	52.0	ug/L	104				70 (62)	130 (109)	
	Anthracene	50	54.5	ug/L	109				70 (65)	130 (110)	
	Carbazole	50	53.8	ug/L	108				70 (62)	130 (106)	
	Di-n-butylphthalate	50	51.5	ug/L	103				70 (64)	130 (106)	
	Fluoranthene	50	55.4	ug/L	111				70 (64)	130 (110)	
	Pyrene	50	46.4	ug/L	93				70 (71)	130 (103)	
	Butylbenzylphthalate	50	50.3	ug/L	101				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	23.2	ug/L	46		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	48.6	ug/L	97				70 (62)	130 (107)	
	Chrysene	50	50.3	ug/L	101				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	50.4	ug/L	101				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	49.5	ug/L	99				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	50.8	ug/L	102				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	53.6	ug/L	107				70 (77)	130 (105)	
	Benzo(a)pyrene	50	55.2	ug/L	110				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	52.5	ug/L	105				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	52.3	ug/L	105				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	46.9	ug/L	94				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	49.1	ug/L	98				70 (72)	130 (101)	
	1,4-Dioxane	50	38.0	ug/L	76				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	54.4	ug/L	109				70 (63)	130 (116)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141443.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166339BSD	Benzaldehyde	50	6.20	ug/L	12	8	*		20 (10)	160 (162)	20 (20)
	Phenol	50	43.9	ug/L	88	6			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	44.1	ug/L	88	4			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	47.7	ug/L	95	3			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	44.4	ug/L	89	5			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	43.0	ug/L	86	5			70 (65)	130 (100)	20 (20)
	Acetophenone	50	50.0	ug/L	100	1			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	47.3	ug/L	95	4			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	46.6	ug/L	93	2			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	47.0	ug/L	94	6			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	45.5	ug/L	91	3			70 (58)	130 (106)	20 (20)
	Isophorone	50	47.5	ug/L	95	2			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	47.8	ug/L	96	5			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	54.9	ug/L	110	4			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	44.5	ug/L	89	3			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	48.0	ug/L	96	2			70 (66)	130 (115)	20 (20)
	Naphthalene	50	46.2	ug/L	92	4			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	18.4	ug/L	37	6	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	49.5	ug/L	99	3			70 (69)	130 (101)	20 (20)
	Caprolactam	50	46.3	ug/L	93	1			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	49.1	ug/L	98	3			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	47.4	ug/L	95	3			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	190	ug/L	190	0	*		20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	48.2	ug/L	96	2			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	46.8	ug/L	94	3			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	46.8	ug/L	94	1			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	45.6	ug/L	91	1			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	49.7	ug/L	99	2			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	48.6	ug/L	97	0			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	50.0	ug/L	100	2			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	46.6	ug/L	93	1			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	26.8	ug/L	54	2	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	54.4	ug/L	109	1			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	110	ug/L	110	0			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	100	ug/L	100	10			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	48.6	ug/L	97	1			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	50.0	ug/L	100	2			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	49.2	ug/L	98	1			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	49.2	ug/L	98	1			70 (61)	130 (104)	20 (20)
	Fluorene	50	49.5	ug/L	99	2			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	48.0	ug/L	96	3			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	57.0	ug/L	114	4			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	49.6	ug/L	99	0			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	48.9	ug/L	98	0			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141443.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166339BSD	Hexachlorobenzene	50	49.0	ug/L	98	1			70 (73)	130 (106)	20 (20)
	Atrazine	50	52.1	ug/L	104	0			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	100	ug/L	100	0			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	51.8	ug/L	104	0			70 (62)	130 (109)	20 (20)
	Anthracene	50	54.1	ug/L	108	1			70 (65)	130 (110)	20 (20)
	Carbazole	50	53.1	ug/L	106	1			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	51.4	ug/L	103	0			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	55.3	ug/L	111	0			70 (64)	130 (110)	20 (20)
	Pyrene	50	46.5	ug/L	93	0			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	50.5	ug/L	101	0			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	23.5	ug/L	47	1	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	47.2	ug/L	94	3			70 (62)	130 (107)	20 (20)
	Chrysene	50	49.2	ug/L	98	2			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	50.1	ug/L	100	1			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	48.4	ug/L	97	2			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	46.4	ug/L	93	9			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	52.7	ug/L	105	2			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	53.1	ug/L	106	4			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	50.7	ug/L	101	3			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	50.2	ug/L	100	4			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	45.0	ug/L	90	4			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	48.6	ug/L	97	1			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	37.0	ug/L	74	3			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	53.4	ug/L	107	2			70 (63)	130 (116)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166294BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141408.D Lab Sample ID: PB166294BL

Instrument ID: BNA_F Date Extracted: 01/28/2025

Matrix: (soil/water) SOIL Date Analyzed: 02/04/2025

Level: (low/med) LOW Time Analyzed: 15:06

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-113-SB01	Q1194-03	BF141424.D	02/04/2025
PB166294BS	PB166294BS	BF141439.D	02/05/2025
B-110-SB01	Q1194-01	BF141349.D	01/31/2025
B-110-SB02	Q1194-02	BF141350.D	01/31/2025
B-113-SB02	Q1194-04	BF141351.D	02/01/2025
B-113-SB02MS	Q1194-04MS	BF141352.D	02/01/2025
B-113-SB02MSD	Q1194-04MSD	BF141353.D	02/01/2025

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166339BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141312.D Lab Sample ID: PB166339BL

Instrument ID: BNA_F Date Extracted: 01/29/2025

Matrix: (soil/water) Water Date Analyzed: 01/30/2025

Level: (low/med) LOW Time Analyzed: 14:32

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EB	Q1194-08	BF141367.D	02/03/2025
PB166339BS	PB166339BS	BF141442.D	02/05/2025
PB166339BSD	PB166339BSD	BF141443.D	02/05/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141289.D DFTPP Injection Date: 01/29/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	83.6
443	15.0 - 24.0% of mass 442	16.2 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141290.D	01/29/2025	10:30
SSTDICC005	SSTDICC005	BF141291.D	01/29/2025	10:56
SSTDICC010	SSTDICC010	BF141292.D	01/29/2025	11:49
SSTDICC020	SSTDICC020	BF141293.D	01/29/2025	15:17
SSTDICCC040	SSTDICCC040	BF141294.D	01/29/2025	15:45
SSTDICC050	SSTDICC050	BF141295.D	01/29/2025	16:11
SSTDICC060	SSTDICC060	BF141296.D	01/29/2025	16:38
SSTDICC080	SSTDICC080	BF141297.D	01/29/2025	17:05

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141300.D DFTPP Injection Date: 01/30/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	72.8
443	15.0 - 24.0% of mass 442	14.4 (19.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141301.D	01/30/2025	08:54
PB166339BL	PB166339BL	BF141312.D	01/30/2025	14:32

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141335.D DFTPP Injection Date: 01/31/2025

Instrument ID: BNA_F DFTPP Injection Time: 16:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	74.1
443	15.0 - 24.0% of mass 442	14.6 (19.7) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141336.D	01/31/2025	17:19
B-110-SB01	Q1194-01	BF141349.D	01/31/2025	23:10
B-110-SB02	Q1194-02	BF141350.D	01/31/2025	23:37
B-113-SB02	Q1194-04	BF141351.D	02/01/2025	00:03
B-113-SB02MS	Q1194-04MS	BF141352.D	02/01/2025	00:30
B-113-SB02MSD	Q1194-04MSD	BF141353.D	02/01/2025	00:57

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141360.D DFTPP Injection Date: 02/03/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	47.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.3
442	Greater than 50% of mass 198	77.3
443	15.0 - 24.0% of mass 442	14.4 (18.6) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141361.D	02/03/2025	11:24
EB	Q1194-08	BF141367.D	02/03/2025	14:08

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141397.D DFTPP Injection Date: 02/04/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.3
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	73.2
443	15.0 - 24.0% of mass 442	14.4 (19.7) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141398.D	02/04/2025	10:42
PB166294BL	PB166294BL	BF141408.D	02/04/2025	15:06

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141409.D DFTPP Injection Date: 02/04/2025

Instrument ID: BNA_F DFTPP Injection Time: 15:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.7
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	81.7
443	15.0 - 24.0% of mass 442	15.1 (18.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141410.D	02/04/2025	15:58
B-113-SB01	Q1194-03	BF141424.D	02/04/2025	22:11

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141434.D DFTPP Injection Date: 02/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.7
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	48.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	75.4
443	15.0 - 24.0% of mass 442	14.5 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141435.D	02/05/2025	10:02
PB166294BS	PB166294BS	BF141439.D	02/05/2025	11:47
PB166339BS	PB166339BS	BF141442.D	02/05/2025	13:05
PB166339BSD	PB166339BSD	BF141443.D	02/05/2025	13:31

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/30/2025

Lab File ID: BF141301.D Time Analyzed: 08:54

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	146467	6.798	575983	8.08	308835	9.84
	UPPER LIMIT	292934	7.298	1151970	8.581	617670	10.339
	LOWER LIMIT	73233.5	6.298	287992	7.581	154418	9.339
	EPA SAMPLE NO.						
01	PB166339BL	146115	6.80	599878	8.08	324432	9.83

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/30/2025

Lab File ID: BF141301.D Time Analyzed: 08:54

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	511005	11.322	290304	13.969	298783	15.421
	UPPER LIMIT	1022010	11.822	580608	14.469	597566	15.921
	LOWER LIMIT	255503	10.822	145152	13.469	149392	14.921
	EPA SAMPLE NO.						
01	PB166339BL	552085	11.32	345336	13.96	288136	15.44

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	140033	6.798	558386	8.08	299701	9.84
	UPPER LIMIT	280066	7.298	1116770	8.581	599402	10.339
	LOWER LIMIT	70016.5	6.298	279193	7.581	149851	9.339
	EPA SAMPLE NO.						
01	B-110-SB01	146484	6.80	587603	8.08	300372	9.83
02	B-110-SB02	149181	6.80	593714	8.08	307017	9.83
03	B-113-SB02	147849	6.80	589893	8.08	306711	9.83
04	B-113-SB02MS	160040	6.80	632082	8.08	327389	9.84
05	B-113-SB02MSD	149676	6.80	589897	8.08	304724	9.84

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	493954	11.322	281629	13.968	286623	15.433
	UPPER LIMIT	987908	11.822	563258	14.468	573246	15.933
	LOWER LIMIT	246977	10.822	140815	13.468	143312	14.933
	EPA SAMPLE NO.						
01	B-110-SB01	443291	11.32	300964	13.96	270058	15.42
02	B-110-SB02	441643	11.32	304741	13.96	278986	15.42
03	B-113-SB02	457334	11.32	306408	13.96	276735	15.42
04	B-113-SB02MS	478396	11.33	306959	13.97	307907	15.42
05	B-113-SB02MSD	446574	11.33	289652	13.97	291978	15.42

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141361.D Time Analyzed: 11:24

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	93803	6.798	362783	8.08	198566	9.83
	UPPER LIMIT	187606	7.298	725566	8.581	397132	10.333
	LOWER LIMIT	46901.5	6.298	181392	7.581	99283	9.333
	EPA SAMPLE NO.						
01	EB	101266	6.79	409757	8.08	228085	9.83

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141361.D Time Analyzed: 11:24

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	334466	11.322	243574	13.968	284769	15.427
	UPPER LIMIT	668932	11.822	487148	14.468	569538	15.927
	LOWER LIMIT	167233	10.822	121787	13.468	142385	14.927
	EPA SAMPLE NO.						
01	EB	407498	11.32	332056	13.96	264824	15.41

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	87552	6.793	331835	8.08	180473	9.83
	UPPER LIMIT	175104	7.293	663670	8.575	360946	10.328
	LOWER LIMIT	43776	6.293	165918	7.575	90236.5	9.328
	EPA SAMPLE NO.						
01	PB166294BL	79060	6.79	317518	8.07	174923	9.83

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	318826	11.316	235294	13.963	201713	15.421
	UPPER LIMIT	637652	11.816	470588	14.463	403426	15.921
	LOWER LIMIT	159413	10.816	117647	13.463	100857	14.921
	EPA SAMPLE NO.						
01	PB166294BL	303054	11.31	230654	13.96	181526	15.41

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141410.D Time Analyzed: 15:58

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	89972	6.792	349697	8.08	187729	9.83
	UPPER LIMIT	179944	7.292	699394	8.575	375458	10.328
	LOWER LIMIT	44986	6.292	174849	7.575	93864.5	9.328
	EPA SAMPLE NO.						
01	B-113-SB01	70324	6.79	279899	8.07	155548	9.82

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141410.D Time Analyzed: 15:58

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	325046	11.316	235785	13.963	203742	15.421
	UPPER LIMIT	650092	11.816	471570	14.463	407484	15.921
	LOWER LIMIT	162523	10.816	117893	13.463	101871	14.921
	EPA SAMPLE NO.						
01	B-113-SB01	272951	11.31	230042	13.95	197101	15.41

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BF141435.D Time Analyzed: 10:02

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	78610	6.792	301871	8.08	162758	9.83
	UPPER LIMIT	157220	7.292	603742	8.575	325516	10.328
	LOWER LIMIT	39305	6.292	150936	7.575	81379	9.328
	EPA SAMPLE NO.						
01	PB166294BS	72987	6.79	285622	8.08	157073	9.83
02	PB166339BS	69540	6.79	272946	8.08	150801	9.83
03	PB166339BSD	70045	6.79	272862	8.08	147235	9.83

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BF141435.D Time Analyzed: 10:02

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	271503	11.316	168458	13.963	170248	15.427
	UPPER LIMIT	543006	11.816	336916	14.463	340496	15.927
	LOWER LIMIT	135752	10.816	84229	13.463	85124	14.927
	EPA SAMPLE NO.						
01	PB166294BS	268815	11.32	187164	13.96	163935	15.43
02	PB166339BS	258651	11.32	176386	13.96	154350	15.42
03	PB166339BSD	252391	11.32	168766	13.96	154833	15.43

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BL	SDG No.:	Q1194
Lab Sample ID:	PB166294BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.9	U	82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	170	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	83.0	U	83.0	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	170	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.0	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	170	ug/Kg
88-74-4	2-Nitroaniline	95.0	U	95.0	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	170	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BL	SDG No.:	Q1194
Lab Sample ID:	PB166294BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.5	U	86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	85.0	U	85.0	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	330	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91.0	U	91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BL	SDG No.:	Q1194
Lab Sample ID:	PB166294BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	132		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.8		30 (18) - 130 (107)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.9		30 (20) - 130 (109)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		30 (10) - 130 (116)	95%	SPK: 150
1718-51-0	Terphenyl-d14	85.6		30 (10) - 130 (105)	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79100	6.787			
1146-65-2	Naphthalene-d8	318000	8.069			
15067-26-2	Acenaphthene-d10	175000	9.828			
1517-22-2	Phenanthrene-d10	303000	11.31			
1719-03-5	Chrysene-d12	231000	13.957			
1520-96-3	Perylene-d12	182000	15.41			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	120	J		2.16	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB166294BL			SDG No.:	Q1194
Lab Sample ID:	PB166294BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	U	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	120		15 (10) - 110 (139)	80%	SPK: 150
13127-88-3	Phenol-d6	117		15 (10) - 110 (134)	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.4		30 (49) - 130 (133)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.3		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		15 (44) - 110 (137)	80%	SPK: 150
1718-51-0	Terphenyl-d14	81.6		30 (48) - 130 (125)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.798			
1146-65-2	Naphthalene-d8	600000	8.081			
15067-26-2	Acenaphthene-d10	324000	9.834			
1517-22-2	Phenanthrene-d10	552000	11.322			
1719-03-5	Chrysene-d12	345000	13.963			
1520-96-3	Perylene-d12	288000	15.439			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	3.20	J		2.21	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB166339BL			SDG No.:	Q1194
Lab Sample ID:	PB166339BL			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BS	SDG No.:	Q1194
Lab Sample ID:	PB166294BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141439.D	1	01/28/25 09:56	02/05/25 11:47	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	J	180	330	ug/Kg
108-95-2	Phenol	1500		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	170	ug/Kg
98-86-2	Acetophenone	1600		86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		82.9	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	170	ug/Kg
78-59-1	Isophorone	1600		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	170	ug/Kg
91-20-3	Naphthalene	1500		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	720		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	170	ug/Kg
105-60-2	Caprolactam	1500		86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6100	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.6	170	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BS	SDG No.:	Q1194
Lab Sample ID:	PB166294BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141439.D	1	01/28/25 09:56	02/05/25 11:47	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	900		89.1	170	ug/Kg
83-32-9	Acenaphthene	1800		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	170	ug/Kg
84-66-2	Diethylphthalate	1600		80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	170	ug/Kg
86-73-7	Fluorene	1600		85.4	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		84.9	170	ug/Kg
1912-24-9	Atrazine	1700		91.3	170	ug/Kg
87-86-5	Pentachlorophenol	3400	E	77.2	330	ug/Kg
85-01-8	Phenanthrene	1700		83.9	170	ug/Kg
120-12-7	Anthracene	1800		84.3	170	ug/Kg
86-74-8	Carbazole	1800		80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		84.2	170	ug/Kg
206-44-0	Fluoranthene	1800		81.6	170	ug/Kg
129-00-0	Pyrene	1500		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	800		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	170	ug/Kg
218-01-9	Chrysene	1600		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.0	170	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BS	SDG No.:	Q1194
Lab Sample ID:	PB166294BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141439.D	1	01/28/25 09:56	02/05/25 11:47	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	133		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	128		30 (15) - 130 (107)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.1		30 (18) - 130 (107)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.5		30 (20) - 130 (109)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		30 (10) - 130 (116)	103%	SPK: 150
1718-51-0	Terphenyl-d14	95.8		30 (10) - 130 (105)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73000	6.792			
1146-65-2	Naphthalene-d8	286000	8.075			
15067-26-2	Acenaphthene-d10	157000	9.827			
1517-22-2	Phenanthrene-d10	269000	11.316			
1719-03-5	Chrysene-d12	187000	13.963			
1520-96-3	Perylene-d12	164000	15.427			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BS	SDG No.:	Q1194
Lab Sample ID:	PB166339BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141442.D	1	01/29/25 08:40	02/05/25 13:05	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	6.70	J	4.00	10.0	ug/L
108-95-2	Phenol	46.5		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.8		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	49.1		0.71	5.00	ug/L
95-48-7	2-Methylphenol	46.5		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.0		1.40	5.00	ug/L
98-86-2	Acetophenone	50.6		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	49.1		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	47.5		1.50	2.50	ug/L
67-72-1	Hexachloroethane	49.7		1.00	5.00	ug/L
98-95-3	Nitrobenzene	47.1		1.30	5.00	ug/L
78-59-1	Isophorone	48.6		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	50.1		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	56.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.9		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	49.0		0.88	5.00	ug/L
91-20-3	Naphthalene	48.3		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.6		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	51.1		1.30	5.00	ug/L
105-60-2	Caprolactam	46.8		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	50.7		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	48.7		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	49.0		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.0		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	47.5		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.9		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	50.6		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	48.7		0.93	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BS	SDG No.:	Q1194
Lab Sample ID:	PB166339BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141442.D	1	01/29/25 08:40	02/05/25 13:05	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	50.8		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	47.3		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	26.4		1.40	5.00	ug/L
83-32-9	Acenaphthene	55.1		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	110	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	49.0		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	51.2		1.50	5.00	ug/L
84-66-2	Diethylphthalate	49.7		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	49.6		0.98	5.00	ug/L
86-73-7	Fluorene	50.4		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	49.3		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	59.5		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	49.5		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.9		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	49.7		1.10	5.00	ug/L
1912-24-9	Atrazine	52.3		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	52.0		0.89	5.00	ug/L
120-12-7	Anthracene	54.5		1.10	5.00	ug/L
86-74-8	Carbazole	53.8		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	51.5		1.50	5.00	ug/L
206-44-0	Fluoranthene	55.4		1.30	5.00	ug/L
129-00-0	Pyrene	46.4		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.3		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	23.2		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.6		0.94	5.00	ug/L
218-01-9	Chrysene	50.3		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.4		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.5		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	50.8		1.10	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BS	SDG No.:	Q1194
Lab Sample ID:	PB166339BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141442.D	1	01/29/25 08:40	02/05/25 13:05	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	53.6		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	55.2		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	52.5		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	52.3		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	46.9		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.1		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	38.0		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	54.4		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	136		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.4		30 (49) - 130 (133)	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.6		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		15 (44) - 110 (137)	102%	SPK: 150
1718-51-0	Terphenyl-d14	95.4		30 (48) - 130 (125)	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69500	6.792			
1146-65-2	Naphthalene-d8	273000	8.075			
15067-26-2	Acenaphthene-d10	151000	9.828			
1517-22-2	Phenanthrene-d10	259000	11.316			
1719-03-5	Chrysene-d12	176000	13.963			
1520-96-3	Perylene-d12	154000	15.421			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BSD	SDG No.:	Q1194
Lab Sample ID:	PB166339BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141443.D	1	01/29/25 08:40	02/05/25 13:31	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	6.20	J	4.00	10.0	ug/L
108-95-2	Phenol	43.9		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.1		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	47.7		0.71	5.00	ug/L
95-48-7	2-Methylphenol	44.4		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.0		1.40	5.00	ug/L
98-86-2	Acetophenone	50.0		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.3		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.6		1.50	2.50	ug/L
67-72-1	Hexachloroethane	47.0		1.00	5.00	ug/L
98-95-3	Nitrobenzene	45.5		1.30	5.00	ug/L
78-59-1	Isophorone	47.5		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	47.8		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	54.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.5		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	48.0		0.88	5.00	ug/L
91-20-3	Naphthalene	46.2		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	18.4		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	49.5		1.30	5.00	ug/L
105-60-2	Caprolactam	46.3		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	49.1		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	47.4		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	48.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.8		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	46.8		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.6		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	49.7		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	48.6		0.93	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BSD	SDG No.:	Q1194
Lab Sample ID:	PB166339BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141443.D	1	01/29/25 08:40	02/05/25 13:31	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	50.0		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.6		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	26.8		1.40	5.00	ug/L
83-32-9	Acenaphthene	54.4		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	100	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	48.6		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	50.0		1.50	5.00	ug/L
84-66-2	Diethylphthalate	49.2		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	49.2		0.98	5.00	ug/L
86-73-7	Fluorene	49.5		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	48.0		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	57.0		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	49.6		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.9		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	49.0		1.10	5.00	ug/L
1912-24-9	Atrazine	52.1		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	51.8		0.89	5.00	ug/L
120-12-7	Anthracene	54.1		1.10	5.00	ug/L
86-74-8	Carbazole	53.1		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	51.4		1.50	5.00	ug/L
206-44-0	Fluoranthene	55.3		1.30	5.00	ug/L
129-00-0	Pyrene	46.5		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.5		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	23.5		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.2		0.94	5.00	ug/L
218-01-9	Chrysene	49.2		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.1		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	48.4		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.4		1.10	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BSD	SDG No.:	Q1194
Lab Sample ID:	PB166339BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141443.D	1	01/29/25 08:40	02/05/25 13:31	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	52.7		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	53.1		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.7		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.2		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	45.0		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.6		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	37.0		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	53.4		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	131		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	124		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.1		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.4		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		15 (44) - 110 (137)	101%	SPK: 150
1718-51-0	Terphenyl-d14	96.5		30 (48) - 130 (125)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70000	6.793			
1146-65-2	Naphthalene-d8	273000	8.075			
15067-26-2	Acenaphthene-d10	147000	9.828			
1517-22-2	Phenanthrene-d10	252000	11.316			
1719-03-5	Chrysene-d12	169000	13.963			
1520-96-3	Perylene-d12	155000	15.427			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141352.D	1	01/28/25 09:56	02/01/25 00:30	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330	J	280	510	ug/Kg
108-95-2	Phenol	2100		130	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2200		130	260	ug/Kg
95-57-8	2-Chlorophenol	2200		130	260	ug/Kg
95-48-7	2-Methylphenol	2100		120	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100		140	260	ug/Kg
98-86-2	Acetophenone	2200		130	260	ug/Kg
65794-96-9	3+4-Methylphenols	2200		120	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		62.2	120	ug/Kg
67-72-1	Hexachloroethane	2100		130	260	ug/Kg
98-95-3	Nitrobenzene	2100		140	260	ug/Kg
78-59-1	Isophorone	2200		130	260	ug/Kg
88-75-5	2-Nitrophenol	2200		150	260	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		140	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2200		130	260	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		120	260	ug/Kg
91-20-3	Naphthalene	2100		130	260	ug/Kg
106-47-8	4-Chloroaniline	450		130	260	ug/Kg
87-68-3	Hexachlorobutadiene	2000		130	260	ug/Kg
105-60-2	Caprolactam	2200		130	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2200		120	260	ug/Kg
91-57-6	2-Methylnaphthalene	2100		130	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6900	E	240	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		110	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2200		110	260	ug/Kg
92-52-4	1,1-Biphenyl	2200		130	260	ug/Kg
91-58-7	2-Chloronaphthalene	2100		130	260	ug/Kg
88-74-4	2-Nitroaniline	2200		150	260	ug/Kg
131-11-3	Dimethylphthalate	2300		130	260	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141352.D	1	01/28/25 09:56	02/01/25 00:30	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2300		130	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		130	260	ug/Kg
99-09-2	3-Nitroaniline	1400		140	260	ug/Kg
83-32-9	Acenaphthene	2400		130	260	ug/Kg
51-28-5	2,4-Dinitrophenol	5000	E	380	510	ug/Kg
100-02-7	4-Nitrophenol	3800		180	510	ug/Kg
132-64-9	Dibenzofuran	2100		130	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	2200		130	260	ug/Kg
84-66-2	Diethylphthalate	2200		120	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2100		130	260	ug/Kg
86-73-7	Fluorene	2000		130	260	ug/Kg
100-01-6	4-Nitroaniline	1900		170	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2800		180	510	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2500		130	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2400		120	260	ug/Kg
118-74-1	Hexachlorobenzene	2300		130	260	ug/Kg
1912-24-9	Atrazine	2400		140	260	ug/Kg
87-86-5	Pentachlorophenol	4300	E	120	510	ug/Kg
85-01-8	Phenanthrene	2200		130	260	ug/Kg
120-12-7	Anthracene	2300		130	260	ug/Kg
86-74-8	Carbazole	2100		120	260	ug/Kg
84-74-2	Di-n-butylphthalate	2400		130	260	ug/Kg
206-44-0	Fluoranthene	2000		130	260	ug/Kg
129-00-0	Pyrene	1800		130	260	ug/Kg
85-68-7	Butylbenzylphthalate	2100		150	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		150	510	ug/Kg
56-55-3	Benzo(a)anthracene	2100		120	260	ug/Kg
218-01-9	Chrysene	2300		120	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		140	260	ug/Kg
117-84-0	Di-n-octyl phthalate	2600		170	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	2400		130	260	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141352.D	1	01/28/25 09:56	02/01/25 00:30	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2400		130	260	ug/Kg
50-32-8	Benzo(a)pyrene	2500		140	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		120	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		130	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		120	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2200		130	260	ug/Kg
123-91-1	1,4-Dioxane	1900		170	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2300		120	260	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	93.0		30 (18) - 130 (112)	62%	SPK: 150
13127-88-3	Phenol-d6	91.1		30 (15) - 130 (107)	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.2		30 (18) - 130 (107)	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.8		30 (20) - 130 (109)	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.2		30 (10) - 130 (116)	61%	SPK: 150
1718-51-0	Terphenyl-d14	52.5		30 (10) - 130 (105)	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	160000	6.798			
1146-65-2	Naphthalene-d8	632000	8.081			
15067-26-2	Acenaphthene-d10	327000	9.839			
1517-22-2	Phenanthrene-d10	478000	11.327			
1719-03-5	Chrysene-d12	307000	13.968			
1520-96-3	Perylene-d12	308000	15.421			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141353.D	1	01/28/25 09:56	02/01/25 00:57	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330	J	280	510	ug/Kg
108-95-2	Phenol	2100		130	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2200		130	260	ug/Kg
95-57-8	2-Chlorophenol	2200		130	260	ug/Kg
95-48-7	2-Methylphenol	2000		120	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100		140	260	ug/Kg
98-86-2	Acetophenone	2100		130	260	ug/Kg
65794-96-9	3+4-Methylphenols	2200		120	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		62.2	120	ug/Kg
67-72-1	Hexachloroethane	2100		130	260	ug/Kg
98-95-3	Nitrobenzene	2100		140	260	ug/Kg
78-59-1	Isophorone	2200		130	260	ug/Kg
88-75-5	2-Nitrophenol	2200		150	260	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		140	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2100		130	260	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		120	260	ug/Kg
91-20-3	Naphthalene	2000		130	260	ug/Kg
106-47-8	4-Chloroaniline	600		130	260	ug/Kg
87-68-3	Hexachlorobutadiene	2000		130	260	ug/Kg
105-60-2	Caprolactam	2100		130	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2100		120	260	ug/Kg
91-57-6	2-Methylnaphthalene	2100		130	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6600	E	240	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		110	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2100		110	260	ug/Kg
92-52-4	1,1-Biphenyl	2100		130	260	ug/Kg
91-58-7	2-Chloronaphthalene	2000		130	260	ug/Kg
88-74-4	2-Nitroaniline	2200		150	260	ug/Kg
131-11-3	Dimethylphthalate	2200		130	260	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141353.D	1	01/28/25 09:56	02/01/25 00:57	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2200		130	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		130	260	ug/Kg
99-09-2	3-Nitroaniline	1400		140	260	ug/Kg
83-32-9	Acenaphthene	2300		130	260	ug/Kg
51-28-5	2,4-Dinitrophenol	4800	E	370	510	ug/Kg
100-02-7	4-Nitrophenol	3600		180	510	ug/Kg
132-64-9	Dibenzofuran	2100		130	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		130	260	ug/Kg
84-66-2	Diethylphthalate	2200		120	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		130	260	ug/Kg
86-73-7	Fluorene	2000		130	260	ug/Kg
100-01-6	4-Nitroaniline	1900		170	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2700		180	510	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2400		130	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2400		120	260	ug/Kg
118-74-1	Hexachlorobenzene	2300		130	260	ug/Kg
1912-24-9	Atrazine	2300		140	260	ug/Kg
87-86-5	Pentachlorophenol	4100		120	510	ug/Kg
85-01-8	Phenanthrene	2200		130	260	ug/Kg
120-12-7	Anthracene	2300		130	260	ug/Kg
86-74-8	Carbazole	2000		120	260	ug/Kg
84-74-2	Di-n-butylphthalate	2300		130	260	ug/Kg
206-44-0	Fluoranthene	2000		130	260	ug/Kg
129-00-0	Pyrene	1700		130	260	ug/Kg
85-68-7	Butylbenzylphthalate	2000		150	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		150	510	ug/Kg
56-55-3	Benzo(a)anthracene	2000		120	260	ug/Kg
218-01-9	Chrysene	2200		120	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		140	260	ug/Kg
117-84-0	Di-n-octyl phthalate	2500		170	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		130	260	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141353.D	1	01/28/25 09:56	02/01/25 00:57	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2600		130	260	ug/Kg
50-32-8	Benzo(a)pyrene	2400		140	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		120	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		130	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		120	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		130	260	ug/Kg
123-91-1	1,4-Dioxane	1900		170	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2200		120	260	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	92.8		30 (18) - 130 (112)	62%	SPK: 150
13127-88-3	Phenol-d6	89.2		30 (15) - 130 (107)	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.3		30 (18) - 130 (107)	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.9		30 (20) - 130 (109)	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.9		30 (10) - 130 (116)	59%	SPK: 150
1718-51-0	Terphenyl-d14	49.9		30 (10) - 130 (105)	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	150000	6.798			
1146-65-2	Naphthalene-d8	590000	8.081			
15067-26-2	Acenaphthene-d10	305000	9.839			
1517-22-2	Phenanthrene-d10	447000	11.327			
1719-03-5	Chrysene-d12	290000	13.968			
1520-96-3	Perylene-d12	292000	15.415			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141290.D 5 =BF141291.D 10 =BF141292.D 20 =BF141293.D 40 =BF141294.D 50 =BF141295.D 60 =BF141296.D 80 =BF1412
97.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.600	0.603	0.597	0.538	0.574	0.569	0.530	0.573	5.19
3)		Pyridine		1.364	1.410	1.450	1.320	1.394	1.404	1.322	1.380	3.46
4)		n-Nitrosodimet...		0.770	0.789	0.824	0.751	0.803	0.813	0.771	0.789	3.32
5)	S	2-Fluorophenol		1.428	1.391	1.402	1.201	1.267	1.268	1.163	1.303	8.03
6)		Aniline		1.480	1.511	1.542	1.359	1.404	1.350	1.174	1.403	8.93
7)	S	Phenol-d6		1.841	1.800	1.743	1.520	1.611	1.611	1.475	1.657	8.47
8)		2-Chlorophenol		1.535	1.510	1.487	1.297	1.353	1.355	1.237	1.396	8.24
9)		Benzaldehyde		1.166	1.130	1.104	0.895	0.861	0.837	0.727	0.960	17.81
10)	C	Phenol		1.938	1.879	1.884	1.643	1.696	1.704	1.554	1.757	8.22
11)		bis(2-Chloroet...		1.478	1.413	1.426	1.232	1.299	1.329	1.253	1.347	6.93
12)		1,3-Dichlorobe...		1.697	1.668	1.648	1.429	1.499	1.474	1.362	1.540	8.49
13)	C	1,4-Dichlorobe...		1.719	1.663	1.659	1.432	1.502	1.487	1.365	1.547	8.66
14)		1,2-Dichlorobe...		1.629	1.609	1.565	1.338	1.392	1.366	1.240	1.448	10.46
15)		Benzyl Alcohol		1.138	1.201	1.216	1.082	1.137	1.125	1.028	1.133	5.72
16)		2,2'-oxybis(1-...		2.533	2.484	2.495	2.189	2.296	2.287	2.112	2.342	7.01
17)		2-Methylphenol		1.237	1.175	1.210	1.042	1.107	1.120	1.053	1.135	6.62
18)		Hexachloroethane		0.609	0.612	0.610	0.530	0.560	0.561	0.513	0.571	7.09
19)	P	n-Nitroso-di-n...	1.084	1.052	1.060	1.032	0.895	0.936	0.945	0.874	0.985	8.27
20)		3+4-Methylphenols		1.561	1.564	1.502	1.287	1.331	1.323	1.186	1.393	10.65
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.547	0.523	0.517	0.436	0.449	0.443	0.412	0.475	11.06
23)	S	Nitrobenzene-d5		0.405	0.396	0.406	0.354	0.373	0.373	0.349	0.379	6.14
24)		Nitrobenzene		0.418	0.411	0.420	0.371	0.385	0.389	0.358	0.393	6.14
25)		Isophorone		0.698	0.685	0.694	0.611	0.640	0.648	0.615	0.656	5.62
26)	C	2-Nitrophenol		0.176	0.187	0.199	0.177	0.189	0.191	0.179	0.185	4.66
27)		2,4-Dimethylph...		0.244	0.239	0.249	0.224	0.235	0.238	0.223	0.236	4.12
28)		bis(2-Chloroet...		0.454	0.440	0.445	0.389	0.405	0.411	0.384	0.418	6.70
29)	C	2,4-Dichloroph...		0.307	0.300	0.312	0.271	0.284	0.286	0.262	0.289	6.39
30)		1,2,4-Trichlor...		0.372	0.354	0.354	0.304	0.318	0.316	0.292	0.330	9.11
31)		Naphthalene		1.193	1.145	1.140	0.976	1.020	1.002	0.919	1.057	9.72
32)		Benzoic acid		0.140	0.178	0.238	0.221	0.241	0.259	0.242	0.217	19.59
33)		4-Chloroaniline		0.382	0.378	0.391	0.338	0.351	0.349	0.318	0.358	7.38
34)	C	Hexachlorobuta...		0.209	0.207	0.209	0.179	0.190	0.187	0.174	0.194	7.52
35)		Caprolactam		0.097	0.095	0.102	0.089	0.094	0.096	0.089	0.094	4.89
36)	C	4-Chloro-3-met...		0.328	0.328	0.334	0.287	0.301	0.307	0.283	0.310	6.71
37)		2-Methylnaphth...		0.755	0.732	0.724	0.624	0.643	0.639	0.583	0.672	9.68
38)		1-Methylnaphth...		0.757	0.723	0.711	0.606	0.625	0.623	0.573	0.660	10.56

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.615	0.613	0.603	0.534	0.555	0.551	0.512	0.569	7.25
41)	P	Hexachlorocycl...	0.136	0.157	0.174	0.172	0.182	0.181	0.174	0.168	9.69
42)	S	2,4,6-Tribromo...	0.198	0.198	0.198	0.173	0.175	0.179	0.163	0.183	7.98
43)	C	2,4,6-Trichlor...	0.381	0.380	0.390	0.364	0.375	0.369	0.347	0.372	3.79
44)		2,4,5-Trichlor...	0.429	0.425	0.429	0.377	0.391	0.403	0.383	0.405	5.50
45)	S	2-Fluorobiphenyl	1.597	1.464	1.398	1.184	1.202	1.168	1.083	1.299	14.48
46)		1,1'-Biphenyl	1.810	1.692	1.650	1.454	1.492	1.460	1.360	1.560	10.27
47)		2-Chloronaphth...	1.396	1.310	1.290	1.122	1.159	1.156	1.077	1.216	9.59
48)		2-Nitroaniline	0.386	0.389	0.407	0.364	0.382	0.385	0.364	0.382	3.91
49)		Acenaphthylene	1.921	1.854	1.815	1.595	1.620	1.612	1.495	1.702	9.38
50)		Dimethylphthalate	1.498	1.456	1.445	1.239	1.299	1.296	1.223	1.351	8.34
51)		2,6-Dinitrotol...	0.333	0.331	0.333	0.296	0.304	0.309	0.290	0.314	5.90
52)	C	Acenaphthene	1.361	1.300	1.291	1.128	1.170	1.180	1.079	1.216	8.46
53)		3-Nitroaniline	0.321	0.330	0.341	0.303	0.293	0.298	0.264	0.307	8.44
54)	P	2,4-Dinitrophenol		0.102	0.136	0.147	0.156	0.169	0.164	0.146	16.81
55)		Dibenzofuran	1.869	1.788	1.755	1.518	1.525	1.539	1.398	1.627	10.72
56)	P	4-Nitrophenol	0.187	0.215	0.251	0.224	0.231	0.244	0.222	0.225	9.21
57)		2,4-Dinitrotol...	0.424	0.431	0.443	0.386	0.392	0.404	0.362	0.406	7.03
58)		Fluorene	1.512	1.410	1.353	1.167	1.164	1.172	1.059	1.262	12.96
59)		2,3,4,6-Tetrac...	0.325	0.343	0.341	0.304	0.305	0.324	0.291	0.319	6.11
60)		Diethylphthalate	1.470	1.417	1.412	1.225	1.238	1.260	1.146	1.310	9.32
61)		4-Chlorophenyl...	0.738	0.694	0.659	0.567	0.565	0.571	0.522	0.617	13.04
62)		4-Nitroaniline	0.297	0.312	0.330	0.290	0.294	0.311	0.281	0.302	5.45
63)		Azobenzene	1.464	1.411	1.390	1.224	1.249	1.276	1.162	1.311	8.51
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.080	0.105	0.122	0.125	0.131	0.134	0.131	0.118	16.29
66)	c	n-Nitrosodiphe...	0.716	0.684	0.674	0.626	0.622	0.614	0.593	0.647	6.89
67)		4-Bromophenyl-...	0.235	0.234	0.234	0.217	0.218	0.220	0.210	0.224	4.57
68)		Hexachlorobenzene	0.257	0.250	0.248	0.229	0.229	0.232	0.217	0.238	6.07
69)		Atrazine	0.211	0.202	0.213	0.213	0.215	0.235	0.224	0.216	4.86
70)	C	Pentachlorophenol	0.112	0.136	0.146	0.143	0.146	0.149	0.141	0.139	9.08
71)		Phenanthrene	1.233	1.170	1.142	1.025	1.008	1.010	0.937	1.075	9.96
72)		Anthracene	1.179	1.146	1.120	1.009	0.999	0.996	0.924	1.053	9.00
73)		Carbazole	1.019	1.014	1.021	0.899	0.878	0.900	0.807	0.934	9.04
74)		Di-n-butylphth...	1.244	1.239	1.245	1.086	1.051	1.081	0.978	1.132	9.65
75)	C	Fluoranthene	1.195	1.202	1.196	1.013	0.963	0.982	0.880	1.062	12.57
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.882	0.480	0.210	0.730	0.906	0.724	0.556	0.641	38.34
78)		Pyrene	2.178	2.063	2.002	1.754	1.870	1.898	1.674	1.920	9.14
79)	S	Terphenyl-d14	1.543	1.411	1.370	1.183	1.238	1.230	1.103	1.297	11.68
80)		Butylbenzylpht...	0.686	0.690	0.739	0.626	0.657	0.688	0.610	0.671	6.49
81)		Benzo(a)anthra...	1.532	1.410	1.453	1.270	1.375	1.355	1.265	1.380	6.96
82)		3,3'-Dichlorob...	0.412	0.422	0.427	0.418	0.478	0.466	0.449	0.439	5.82
83)		Chrysene	1.332	1.325	1.342	1.136	1.267	1.243	1.210	1.265	5.98
84)		Bis(2-ethylhex...	0.882	0.903	0.956	0.785	0.831	0.834	0.764	0.851	7.93
85)	c	Di-n-octyl pht...	1.194	1.267	1.438	1.230	1.365	1.406	1.352	1.321	6.98

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.217	1.268	1.337	1.257	1.348	1.322	1.287	1.291	3.67
88)		Benzo(b)fluora...	1.358	1.382	1.328	1.120	1.265	1.218	1.136	1.258	8.33
89)		Benzo(k)fluora...	1.167	1.114	1.274	1.083	1.049	1.060	1.054	1.114	7.32
90)	C	Benzo(a)pyrene	1.118	1.059	1.131	1.011	1.061	1.051	1.010	1.063	4.44
91)		Dibenzo(a,h)an...	0.966	1.001	1.101	1.016	1.087	1.071	1.028	1.039	4.73
92)		Benzo(g,h,i)pe...	1.011	1.075	1.139	1.043	1.123	1.105	1.063	1.080	4.22

(#) = Out of Range

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/30/2025 08:54

Lab File ID: BF141301.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.194		-8.4	
Benzaldehyde	0.960	0.852		-11.3	
Phenol-d6	1.657	1.545		-6.8	
Phenol	1.757	1.657		-5.7	20.0
bis(2-Chloroethyl)ether	1.347	1.242		-7.8	
2-Chlorophenol	1.396	1.317		-5.7	
2-Methylphenol	1.135	1.057		-6.9	
2,2-oxybis(1-Chloropropane)	2.342	2.216		-5.4	
Acetophenone	0.475	0.435		-8.4	
3+4-Methylphenols	1.393	1.298		-6.8	
n-Nitroso-di-n-propylamine	0.985	0.911	0.050	-7.5	
Nitrobenzene-d5	0.379	0.356		-6.1	
Hexachloroethane	0.571	0.533		-6.7	
Nitrobenzene	0.393	0.370		-5.9	
Isophorone	0.656	0.621		-5.3	
2-Nitrophenol	0.185	0.177		-4.3	20.0
2,4-Dimethylphenol	0.236	0.227		-3.8	
bis(2-Chloroethoxy)methane	0.418	0.394		-5.7	
2,4-Dichlorophenol	0.289	0.273		-5.5	20.0
Naphthalene	1.057	0.980		-7.3	
4-Chloroaniline	0.358	0.341		-4.7	
Hexachlorobutadiene	0.194	0.181		-6.7	20.0
Caprolactam	0.094	0.091		-3.2	
4-Chloro-3-methylphenol	0.310	0.295		-4.8	20.0
2-Methylnaphthalene	0.672	0.622		-7.4	
Hexachlorocyclopentadiene	0.168	0.172	0.050	2.4	
2,4,6-Trichlorophenol	0.372	0.361		-3.0	20.0
2-Fluorobiphenyl	1.299	1.166		-10.2	
2,4,5-Trichlorophenol	0.405	0.374		-7.7	
1,1-Biphenyl	1.560	1.444		-7.4	
2-Chloronaphthalene	1.216	1.115		-8.3	
2-Nitroaniline	0.382	0.364		-4.7	
Dimethylphthalate	1.351	1.260		-6.7	
Acenaphthylene	1.702	1.594		-6.3	
2,6-Dinitrotoluene	0.314	0.293		-6.7	
3-Nitroaniline	0.307	0.296		-3.6	
Acenaphthene	1.216	1.130		-7.1	20.0
2,4-Dinitrophenol	0.146	0.139	0.050	-4.8	
4-Nitrophenol	0.225	0.221	0.050	-1.8	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/30/2025 08:54

Lab File ID: BF141301.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.502		-7.7	
2,4-Dinitrotoluene	0.406	0.387		-4.7	
Diethylphthalate	1.310	1.217		-7.1	
4-Chlorophenyl-phenylether	0.617	0.568		-7.9	
Fluorene	1.262	1.151		-8.8	
4-Nitroaniline	0.302	0.294		-2.6	
4,6-Dinitro-2-methylphenol	0.118	0.123		4.2	
n-Nitrosodiphenylamine	0.647	0.610		-5.7	20.0
2,4,6-Tribromophenol	0.183	0.174		-4.9	
4-Bromophenyl-phenylether	0.224	0.216		-3.6	
Hexachlorobenzene	0.238	0.229		-3.8	
Atrazine	0.216	0.194		-10.2	
Pentachlorophenol	0.139	0.142		2.2	20.0
Phenanthrene	1.075	1.008		-6.2	
Anthracene	1.053	0.988		-6.2	
Carbazole	0.934	0.889		-4.8	
Di-n-butylphthalate	1.132	1.094		-3.4	
Fluoranthene	1.062	1.005		-5.4	20.0
Pyrene	1.920	1.777		-7.4	
Terphenyl-d14	1.297	1.185		-8.6	
Butylbenzylphthalate	0.671	0.641		-4.5	
3,3-Dichlorobenzidine	0.439	0.407		-7.3	
Benzo(a)anthracene	1.380	1.214		-12.0	
Chrysene	1.265	1.188		-6.1	
Bis(2-ethylhexyl)phthalate	0.851	0.798		-6.2	
Di-n-octyl phthalate	1.321	1.218		-7.8	20.0
Benzo(b)fluoranthene	1.258	1.162		-7.6	
Benzo(k)fluoranthene	1.114	1.056		-5.2	
Benzo(a)pyrene	1.063	1.010		-5.0	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.200		-7.0	
Dibenzo(a,h)anthracene	1.039	0.965		-7.1	
Benzo(g,h,i)perylene	1.080	0.995		-7.9	
1,2,4,5-Tetrachlorobenzene	0.569	0.533		-6.3	
1,4-Dioxane	0.573	0.542		-5.4	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.312		-2.2	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.218		-6.5	
Benzaldehyde	0.960	0.972		1.3	
Phenol-d6	1.657	1.534		-7.4	
Phenol	1.757	1.652		-6.0	20.0
bis(2-Chloroethyl)ether	1.347	1.267		-5.9	
2-Chlorophenol	1.396	1.307		-6.4	
2-Methylphenol	1.135	1.062		-6.4	
2,2-oxybis(1-Chloropropane)	2.342	2.199		-6.1	
Acetophenone	0.475	0.424		-10.7	
3+4-Methylphenols	1.393	1.318		-5.4	
n-Nitroso-di-n-propylamine	0.985	0.946	0.050	-4.0	
Nitrobenzene-d5	0.379	0.348		-8.2	
Hexachloroethane	0.571	0.536		-6.1	
Nitrobenzene	0.393	0.365		-7.1	
Isophorone	0.656	0.622		-5.2	
2-Nitrophenol	0.185	0.175		-5.4	20.0
2,4-Dimethylphenol	0.236	0.224		-5.1	
bis(2-Chloroethoxy)methane	0.418	0.386		-7.7	
2,4-Dichlorophenol	0.289	0.272		-5.9	20.0
Naphthalene	1.057	0.966		-8.6	
4-Chloroaniline	0.358	0.329		-8.1	
Hexachlorobutadiene	0.194	0.179		-7.7	20.0
Caprolactam	0.094	0.091		-3.2	
4-Chloro-3-methylphenol	0.310	0.341		10.0	20.0
2-Methylnaphthalene	0.672	0.618		-8.0	
Hexachlorocyclopentadiene	0.168	0.159	0.050	-5.4	
2,4,6-Trichlorophenol	0.372	0.365		-1.9	20.0
2-Fluorobiphenyl	1.299	1.148		-11.6	
2,4,5-Trichlorophenol	0.405	0.381		-5.9	
1,1-Biphenyl	1.560	1.427		-8.5	
2-Chloronaphthalene	1.216	1.102		-9.4	
2-Nitroaniline	0.382	0.366		-4.2	
Dimethylphthalate	1.351	1.290		-4.5	
Acenaphthylene	1.702	1.577		-7.3	
2,6-Dinitrotoluene	0.314	0.300		-4.5	
3-Nitroaniline	0.307	0.292		-4.9	
Acenaphthene	1.216	1.127		-7.3	20.0
2,4-Dinitrophenol	0.146	0.150	0.050	2.7	
4-Nitrophenol	0.225	0.300	0.050	33.3	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.481		-9.0	
2,4-Dinitrotoluene	0.406	0.427		5.2	
Diethylphthalate	1.310	1.249		-4.7	
4-Chlorophenyl-phenylether	0.617	0.562		-8.9	
Fluorene	1.262	1.151		-8.8	
4-Nitroaniline	0.302	0.288		-4.6	
4,6-Dinitro-2-methylphenol	0.118	0.131		11.0	
n-Nitrosodiphenylamine	0.647	0.627		-3.1	20.0
2,4,6-Tribromophenol	0.183	0.177		-3.3	
4-Bromophenyl-phenylether	0.224	0.220		-1.8	
Hexachlorobenzene	0.238	0.232		-2.5	
Atrazine	0.216	0.184		-14.8	
Pentachlorophenol	0.139	0.186		33.8	20.0
Phenanthrene	1.075	1.016		-5.5	
Anthracene	1.053	0.999		-5.1	
Carbazole	0.934	0.892		-4.5	
Di-n-butylphthalate	1.132	1.116		-1.4	
Fluoranthene	1.062	1.011		-4.8	20.0
Pyrene	1.920	1.949		1.5	
Terphenyl-d14	1.297	1.177		-9.3	
Butylbenzylphthalate	0.671	0.656		-2.2	
3,3-Dichlorobenzidine	0.439	0.397		-9.6	
Benzo(a)anthracene	1.380	1.181		-14.4	
Chrysene	1.265	1.179		-6.8	
Bis(2-ethylhexyl)phthalate	0.851	0.815		-4.2	
Di-n-octyl phthalate	1.321	1.285		-2.7	20.0
Benzo(b)fluoranthene	1.258	1.168		-7.2	
Benzo(k)fluoranthene	1.114	1.042		-6.5	
Benzo(a)pyrene	1.063	0.991		-6.8	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.238		-4.1	
Dibenzo(a,h)anthracene	1.039	0.999		-3.8	
Benzo(g,h,i)perylene	1.080	1.050		-2.8	
1,2,4,5-Tetrachlorobenzene	0.569	0.515		-9.5	
1,4-Dioxane	0.573	0.545		-4.9	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.310		-2.8	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 11:24

Lab File ID: BF141361.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.313		0.8	
Benzaldehyde	0.960	0.989		3.0	
Phenol-d6	1.657	1.641		-1.0	
Phenol	1.757	1.726		-1.8	20.0
bis(2-Chloroethyl)ether	1.347	1.302		-3.3	
2-Chlorophenol	1.396	1.420		1.7	
2-Methylphenol	1.135	1.098		-3.3	
2,2-oxybis(1-Chloropropane)	2.342	2.200		-6.1	
Acetophenone	0.475	0.501		5.5	
3+4-Methylphenols	1.393	1.446		3.8	
n-Nitroso-di-n-propylamine	0.985	0.973	0.050	-1.2	
Nitrobenzene-d5	0.379	0.397		4.7	
Hexachloroethane	0.571	0.590		3.3	
Nitrobenzene	0.393	0.407		3.6	
Isophorone	0.656	0.653		-0.5	
2-Nitrophenol	0.185	0.192		3.8	20.0
2,4-Dimethylphenol	0.236	0.234		-0.8	
bis(2-Chloroethoxy)methane	0.418	0.414		-1.0	
2,4-Dichlorophenol	0.289	0.297		2.8	20.0
Naphthalene	1.057	1.079		2.1	
4-Chloroaniline	0.358	0.348		-2.8	
Hexachlorobutadiene	0.194	0.207		6.7	20.0
Caprolactam	0.094	0.095		1.1	
4-Chloro-3-methylphenol	0.310	0.324		4.5	20.0
2-Methylnaphthalene	0.672	0.690		2.7	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
2,4,6-Trichlorophenol	0.372	0.384		3.2	20.0
2-Fluorobiphenyl	1.299	1.315		1.2	
2,4,5-Trichlorophenol	0.405	0.416		2.7	
1,1-Biphenyl	1.560	1.548		-0.8	
2-Chloronaphthalene	1.216	1.208		-0.7	
2-Nitroaniline	0.382	0.392		2.6	
Dimethylphthalate	1.351	1.368		1.3	
Acenaphthylene	1.702	1.699		-0.2	
2,6-Dinitrotoluene	0.314	0.315		0.3	
3-Nitroaniline	0.307	0.322		4.9	
Acenaphthene	1.216	1.239		1.9	20.0
2,4-Dinitrophenol	0.146	0.163	0.050	11.6	
4-Nitrophenol	0.225	0.256	0.050	13.8	

Form VII SV-1

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 11:24

Lab File ID: BF141361.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.650		1.4	
2,4-Dinitrotoluene	0.406	0.426		4.9	
Diethylphthalate	1.310	1.343		2.5	
4-Chlorophenyl-phenylether	0.617	0.635		2.9	
Fluorene	1.262	1.311		3.9	
4-Nitroaniline	0.302	0.331		9.6	
4,6-Dinitro-2-methylphenol	0.118	0.139		17.8	
n-Nitrosodiphenylamine	0.647	0.658		1.7	20.0
2,4,6-Tribromophenol	0.183	0.200		9.3	
4-Bromophenyl-phenylether	0.224	0.234		4.5	
Hexachlorobenzene	0.238	0.249		4.6	
Atrazine	0.216	0.216		0.0	
Pentachlorophenol	0.139	0.152		9.4	20.0
Phenanthrene	1.075	1.130		5.1	
Anthracene	1.053	1.117		6.1	
Carbazole	0.934	1.033		10.6	
Di-n-butylphthalate	1.132	1.220		7.8	
Fluoranthene	1.062	1.211		14.0	20.0
Pyrene	1.920	1.679		-12.6	
Terphenyl-d14	1.297	1.144		-11.8	
Butylbenzylphthalate	0.671	0.642		-4.3	
3,3-Dichlorobenzidine	0.439	0.436		-0.7	
Benzo(a)anthracene	1.380	1.322		-4.2	
Chrysene	1.265	1.235		-2.4	
Bis(2-ethylhexyl)phthalate	0.851	0.896		5.3	
Di-n-octyl phthalate	1.321	1.471		11.4	20.0
Benzo(b)fluoranthene	1.258	1.389		10.4	
Benzo(k)fluoranthene	1.114	1.030		-7.5	
Benzo(a)pyrene	1.063	1.103		3.8	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.398		8.3	
Dibenzo(a,h)anthracene	1.039	1.124		8.2	
Benzo(g,h,i)perylene	1.080	1.182		9.4	
1,2,4,5-Tetrachlorobenzene	0.569	0.572		0.5	
1,4-Dioxane	0.573	0.630		9.9	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.342		7.2	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Alliance TECHNICAL GROUP
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 10:42

Lab File ID: BF141398.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.302		-0.1	
Benzaldehyde	0.960	0.893		-7.0	
Phenol-d6	1.657	1.560		-5.9	
Phenol	1.757	1.650		-6.1	20.0
bis(2-Chloroethyl)ether	1.347	1.262		-6.3	
2-Chlorophenol	1.396	1.387		-0.6	
2-Methylphenol	1.135	1.074		-5.4	
2,2-oxybis(1-Chloropropane)	2.342	2.108		-10.0	
Acetophenone	0.475	0.491		3.4	
3+4-Methylphenols	1.393	1.375		-1.3	
n-Nitroso-di-n-propylamine	0.985	0.929	0.050	-5.7	
Nitrobenzene-d5	0.379	0.391		3.2	
Hexachloroethane	0.571	0.583		2.1	
Nitrobenzene	0.393	0.398		1.3	
Isophorone	0.656	0.643		-2.0	
2-Nitrophenol	0.185	0.185		0.0	20.0
2,4-Dimethylphenol	0.236	0.230		-2.5	
bis(2-Chloroethoxy)methane	0.418	0.403		-3.6	
2,4-Dichlorophenol	0.289	0.296		2.4	20.0
Naphthalene	1.057	1.061		0.4	
4-Chloroaniline	0.358	0.347		-3.1	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
Caprolactam	0.094	0.093		-1.1	
4-Chloro-3-methylphenol	0.310	0.325		4.8	20.0
2-Methylnaphthalene	0.672	0.684		1.8	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
2,4,6-Trichlorophenol	0.372	0.382		2.7	20.0
2-Fluorobiphenyl	1.299	1.328		2.2	
2,4,5-Trichlorophenol	0.405	0.421		4.0	
1,1-Biphenyl	1.560	1.563		0.2	
2-Chloronaphthalene	1.216	1.209		-0.6	
2-Nitroaniline	0.382	0.390		2.1	
Dimethylphthalate	1.351	1.371		1.5	
Acenaphthylene	1.702	1.717		0.9	
2,6-Dinitrotoluene	0.314	0.321		2.2	
3-Nitroaniline	0.307	0.321		4.6	
Acenaphthene	1.216	1.256		3.3	20.0
2,4-Dinitrophenol	0.146	0.165	0.050	13.0	
4-Nitrophenol	0.225	0.257	0.050	14.2	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 10:42

Lab File ID: BF141398.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.669		2.6	
2,4-Dinitrotoluene	0.406	0.441		8.6	
Diethylphthalate	1.310	1.374		4.9	
4-Chlorophenyl-phenylether	0.617	0.648		5.0	
Fluorene	1.262	1.306		3.5	
4-Nitroaniline	0.302	0.344		13.9	
4,6-Dinitro-2-methylphenol	0.118	0.137		16.1	
n-Nitrosodiphenylamine	0.647	0.634		-2.0	20.0
2,4,6-Tribromophenol	0.183	0.202		10.4	
4-Bromophenyl-phenylether	0.224	0.225		0.4	
Hexachlorobenzene	0.238	0.243		2.1	
Atrazine	0.216	0.214		-0.9	
Pentachlorophenol	0.139	0.161		15.8	20.0
Phenanthrene	1.075	1.109		3.2	
Anthracene	1.053	1.092		3.7	
Carbazole	0.934	1.029		10.1	
Di-n-butylphthalate	1.132	1.214		7.2	
Fluoranthene	1.062	1.240		16.8	20.0
Pyrene	1.920	1.729		-9.9	
Terphenyl-d14	1.297	1.200		-7.5	
Butylbenzylphthalate	0.671	0.691		3.0	
3,3-Dichlorobenzidine	0.439	0.412		-6.2	
Benzo(a)anthracene	1.380	1.305		-5.4	
Chrysene	1.265	1.270		0.4	
Bis(2-ethylhexyl)phthalate	0.851	0.910		6.9	
Di-n-octyl phthalate	1.321	1.415		7.1	20.0
Benzo(b)fluoranthene	1.258	1.341		6.6	
Benzo(k)fluoranthene	1.114	1.140		2.3	
Benzo(a)pyrene	1.063	1.072		0.8	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.338		3.6	
Dibenzo(a,h)anthracene	1.039	1.068		2.8	
Benzo(g,h,i)perylene	1.080	1.113		3.1	
1,2,4,5-Tetrachlorobenzene	0.569	0.587		3.2	
1,4-Dioxane	0.573	0.555		-3.1	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.341		6.9	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 15:58

Lab File ID: BF141410.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.284		-1.5	
Benzaldehyde	0.960	1.013		5.5	
Phenol-d6	1.657	1.572		-5.1	
Phenol	1.757	1.636		-6.9	20.0
bis(2-Chloroethyl)ether	1.347	1.259		-6.5	
2-Chlorophenol	1.396	1.368		-2.0	
2-Methylphenol	1.135	1.080		-4.8	
2,2-oxybis(1-Chloropropane)	2.342	2.088		-10.8	
Acetophenone	0.475	0.494		4.0	
3+4-Methylphenols	1.393	1.396		0.2	
n-Nitroso-di-n-propylamine	0.985	0.944	0.050	-4.2	
Nitrobenzene-d5	0.379	0.388		2.4	
Hexachloroethane	0.571	0.577		1.1	
Nitrobenzene	0.393	0.393		0.0	
Isophorone	0.656	0.640		-2.4	
2-Nitrophenol	0.185	0.192		3.8	20.0
2,4-Dimethylphenol	0.236	0.228		-3.4	
bis(2-Chloroethoxy)methane	0.418	0.398		-4.8	
2,4-Dichlorophenol	0.289	0.292		1.0	20.0
Naphthalene	1.057	1.049		-0.8	
4-Chloroaniline	0.358	0.319		-10.9	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
Caprolactam	0.094	0.093		-1.1	
4-Chloro-3-methylphenol	0.310	0.319		2.9	20.0
2-Methylnaphthalene	0.672	0.673		0.1	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.299	1.327		2.2	
2,4,5-Trichlorophenol	0.405	0.420		3.7	
1,1-Biphenyl	1.560	1.554		-0.4	
2-Chloronaphthalene	1.216	1.203		-1.1	
2-Nitroaniline	0.382	0.396		3.7	
Dimethylphthalate	1.351	1.359		0.6	
Acenaphthylene	1.702	1.720		1.1	
2,6-Dinitrotoluene	0.314	0.322		2.5	
3-Nitroaniline	0.307	0.312		1.6	
Acenaphthene	1.216	1.251		2.9	20.0
2,4-Dinitrophenol	0.146	0.175	0.050	19.9	
4-Nitrophenol	0.225	0.248	0.050	10.2	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 15:58

Lab File ID: BF141410.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.657		1.8	
2,4-Dinitrotoluene	0.406	0.439		8.1	
Diethylphthalate	1.310	1.369		4.5	
4-Chlorophenyl-phenylether	0.617	0.644		4.4	
Fluorene	1.262	1.315		4.2	
4-Nitroaniline	0.302	0.342		13.2	
4,6-Dinitro-2-methylphenol	0.118	0.142		20.3	
n-Nitrosodiphenylamine	0.647	0.643		-0.6	20.0
2,4,6-Tribromophenol	0.183	0.206		12.6	
4-Bromophenyl-phenylether	0.224	0.229		2.2	
Hexachlorobenzene	0.238	0.248		4.2	
Atrazine	0.216	0.211		-2.3	
Pentachlorophenol	0.139	0.158		13.7	20.0
Phenanthrene	1.075	1.113		3.5	
Anthracene	1.053	1.102		4.7	
Carbazole	0.934	1.020		9.2	
Di-n-butylphthalate	1.132	1.231		8.7	
Fluoranthene	1.062	1.232		16.0	20.0
Pyrene	1.920	1.732		-9.8	
Terphenyl-d14	1.297	1.228		-5.3	
Butylbenzylphthalate	0.671	0.671		0.0	
3,3-Dichlorobenzidine	0.439	0.410		-6.6	
Benzo(a)anthracene	1.380	1.278		-7.4	
Chrysene	1.265	1.238		-2.1	
Bis(2-ethylhexyl)phthalate	0.851	0.877		3.1	
Di-n-octyl phthalate	1.321	1.327		0.5	20.0
Benzo(b)fluoranthene	1.258	1.276		1.4	
Benzo(k)fluoranthene	1.114	1.215		9.1	
Benzo(a)pyrene	1.063	1.092		2.7	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.304		1.0	
Dibenzo(a,h)anthracene	1.039	1.055		1.5	
Benzo(g,h,i)perylene	1.080	1.076		-0.4	
1,2,4,5-Tetrachlorobenzene	0.569	0.587		3.2	
1,4-Dioxane	0.573	0.535		-6.6	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.336		5.3	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 10:02

Lab File ID: BF141435.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.295		-0.6	
Benzaldehyde	0.960	0.988		2.9	
Phenol-d6	1.657	1.600		-3.4	
Phenol	1.757	1.663		-5.3	20.0
bis(2-Chloroethyl)ether	1.347	1.263		-6.2	
2-Chlorophenol	1.396	1.383		-0.9	
2-Methylphenol	1.135	1.083		-4.6	
2,2-oxybis(1-Chloropropane)	2.342	2.038		-13.0	
Acetophenone	0.475	0.493		3.8	
3+4-Methylphenols	1.393	1.395		0.1	
n-Nitroso-di-n-propylamine	0.985	0.951	0.050	-3.5	
Nitrobenzene-d5	0.379	0.397		4.5	
Hexachloroethane	0.571	0.582		1.9	
Nitrobenzene	0.393	0.403		2.5	
Isophorone	0.656	0.632		-3.7	
2-Nitrophenol	0.185	0.191		3.2	20.0
2,4-Dimethylphenol	0.236	0.229		-3.0	
bis(2-Chloroethoxy)methane	0.418	0.393		-6.0	
2,4-Dichlorophenol	0.289	0.297		2.8	20.0
Naphthalene	1.057	1.058		0.1	
4-Chloroaniline	0.358	0.335		-6.4	
Hexachlorobutadiene	0.194	0.212		9.3	20.0
Caprolactam	0.094	0.092		-2.1	
4-Chloro-3-methylphenol	0.310	0.323		4.2	20.0
2-Methylnaphthalene	0.672	0.670		-0.3	
Hexachlorocyclopentadiene	0.168	0.166	0.050	-1.2	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.299	1.338		3.0	
2,4,5-Trichlorophenol	0.405	0.418		3.2	
1,1-Biphenyl	1.560	1.536		-1.5	
2-Chloronaphthalene	1.216	1.222		0.5	
2-Nitroaniline	0.382	0.396		3.7	
Dimethylphthalate	1.351	1.345		-0.4	
Acenaphthylene	1.702	1.696		-0.4	
2,6-Dinitrotoluene	0.314	0.319		1.6	
3-Nitroaniline	0.307	0.309		0.7	
Acenaphthene	1.216	1.232		1.3	20.0
2,4-Dinitrophenol	0.146	0.160	0.050	9.6	
4-Nitrophenol	0.225	0.235	0.050	4.4	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 10:02

Lab File ID: BF141435.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.626		-0.1	
2,4-Dinitrotoluene	0.406	0.428		5.4	
Diethylphthalate	1.310	1.326		1.2	
4-Chlorophenyl-phenylether	0.617	0.644		4.4	
Fluorene	1.262	1.312		4.0	
4-Nitroaniline	0.302	0.314		4.0	
4,6-Dinitro-2-methylphenol	0.118	0.135		14.4	
n-Nitrosodiphenylamine	0.647	0.657		1.5	20.0
2,4,6-Tribromophenol	0.183	0.197		7.7	
4-Bromophenyl-phenylether	0.224	0.231		3.1	
Hexachlorobenzene	0.238	0.246		3.4	
Atrazine	0.216	0.200		-7.4	
Pentachlorophenol	0.139	0.151		8.6	20.0
Phenanthrene	1.075	1.115		3.7	
Anthracene	1.053	1.101		4.6	
Carbazole	0.934	1.005		7.6	
Di-n-butylphthalate	1.132	1.165		2.9	
Fluoranthene	1.062	1.154		8.7	20.0
Pyrene	1.920	1.874		-2.4	
Terphenyl-d14	1.297	1.290		-0.5	
Butylbenzylphthalate	0.671	0.667		-0.6	
3,3-Dichlorobenzidine	0.439	0.419		-4.6	
Benzo(a)anthracene	1.380	1.310		-5.1	
Chrysene	1.265	1.242		-1.8	
Bis(2-ethylhexyl)phthalate	0.851	0.821		-3.5	
Di-n-octyl phthalate	1.321	1.243		-5.9	20.0
Benzo(b)fluoranthene	1.258	1.327		5.5	
Benzo(k)fluoranthene	1.114	1.082		-2.9	
Benzo(a)pyrene	1.063	1.102		3.7	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.411		9.3	
Dibenzo(a,h)anthracene	1.039	1.133		9.0	
Benzo(g,h,i)perylene	1.080	1.191		10.3	
1,2,4,5-Tetrachlorobenzene	0.569	0.579		1.8	
1,4-Dioxane	0.573	0.500		-12.7	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.335		5.0	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Time: Feb 01 00:05:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

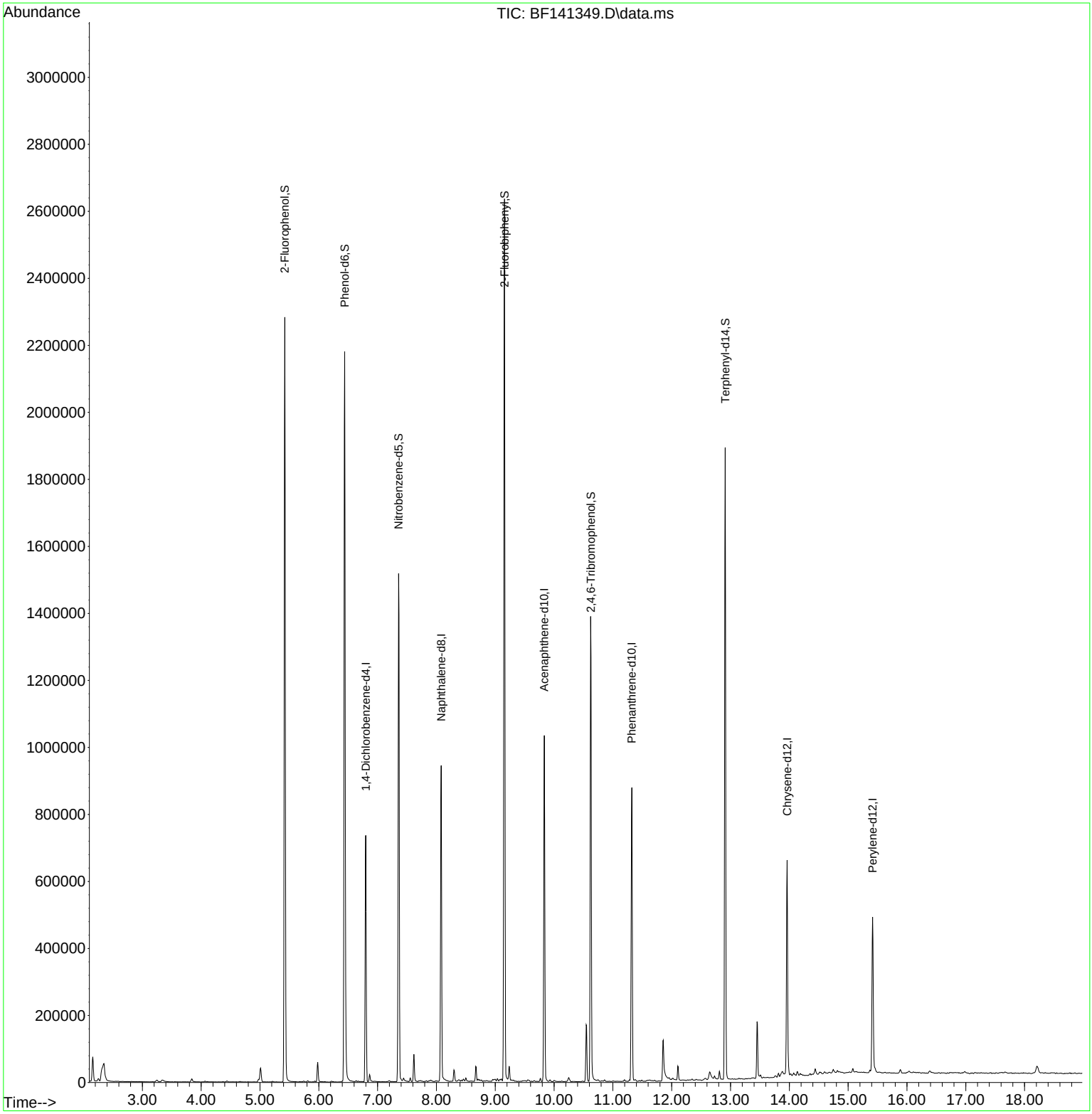
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146484	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	587603	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	300372	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	443291	20.000	ng	0.00
76) Chrysene-d12	13.963	240	300964	20.000	ng	-0.01
86) Perylene-d12	15.416	264	270058	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	837109	87.732	ng	0.01
7) Phenol-d6	6.440	99	1031120	84.948	ng	0.00
23) Nitrobenzene-d5	7.357	82	669348	60.050	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	223067	81.006	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1158393	59.359	ng	0.00
79) Terphenyl-d14	12.910	244	901846	46.212	ng	0.00
Target Compounds						Qvalue

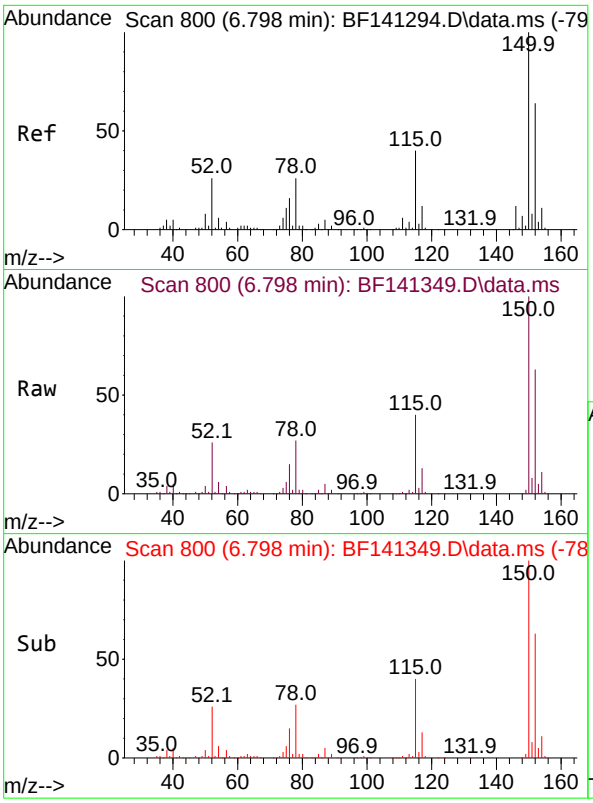
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Time: Feb 01 00:05:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



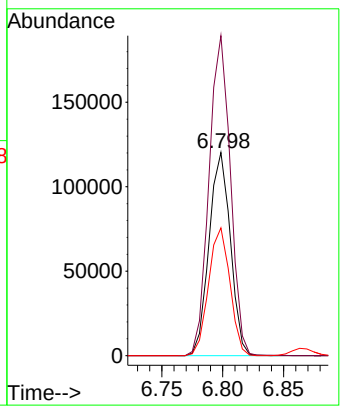


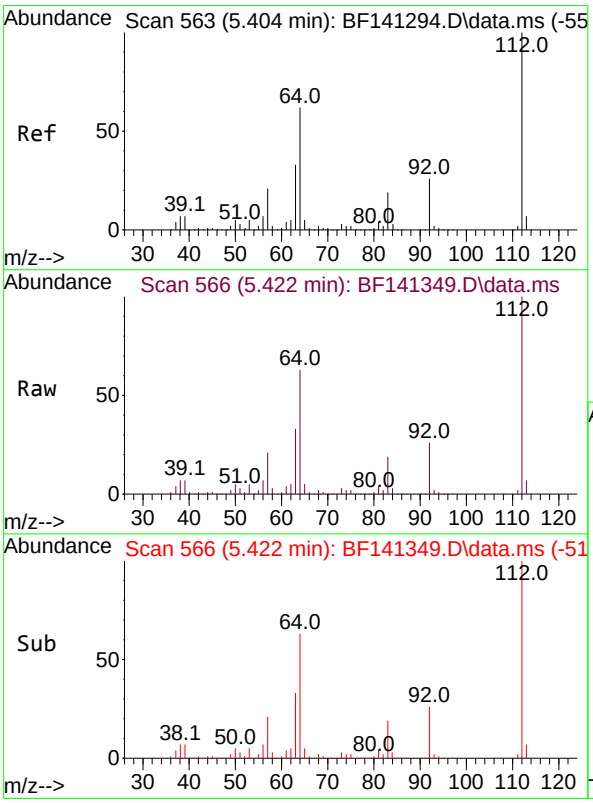
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion:152 Resp: 146484

Ion	Ratio	Lower	Upper
152	100		
150	157.5	125.9	188.9
115	62.9	49.7	74.5

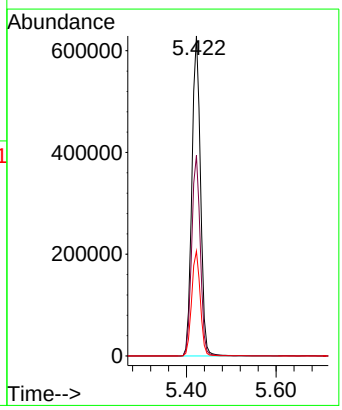


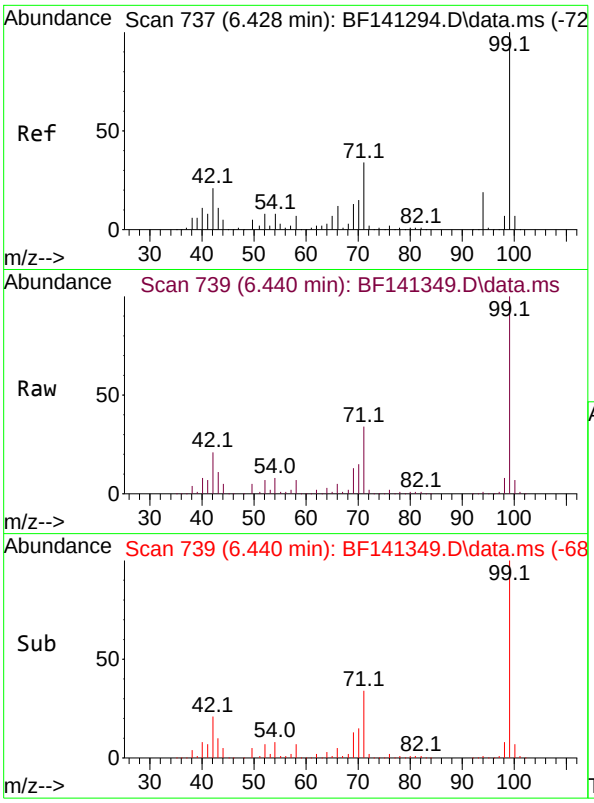


#5
2-Fluorophenol
Concen: 87.732 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:112 Resp: 837109

Ion	Ratio	Lower	Upper
112	100		
64	62.6	49.8	74.8
63	32.8	26.1	39.1



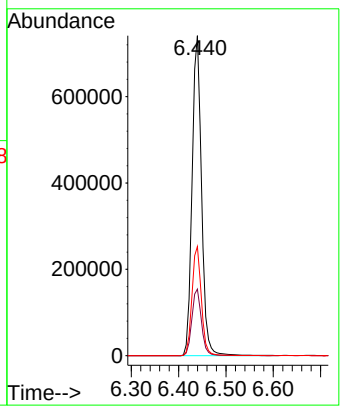


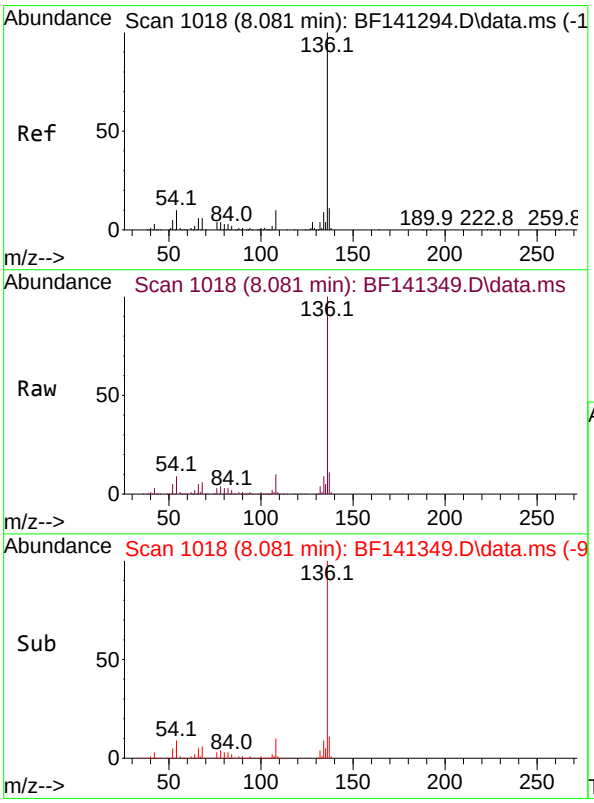
#7
Phenol-d6
Concen: 84.948 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion: 99 Resp: 1031120

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.1	25.7
71	34.1	26.9	40.3

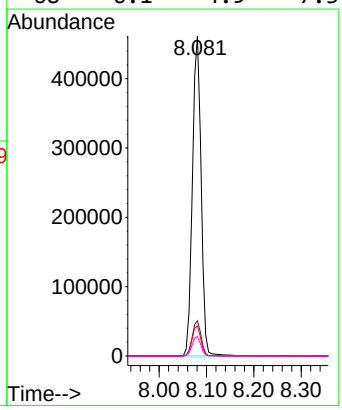


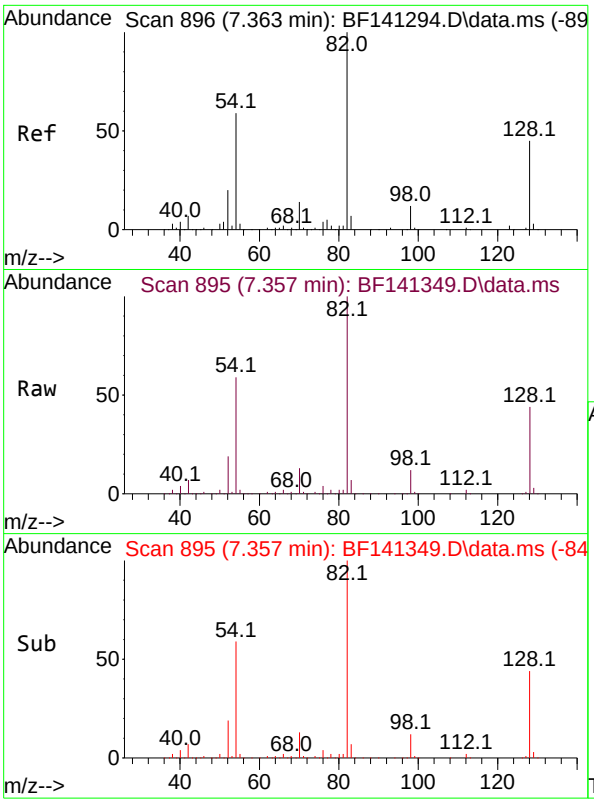


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:136 Resp: 587603

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.3	7.8	11.8
68	6.1	4.9	7.3



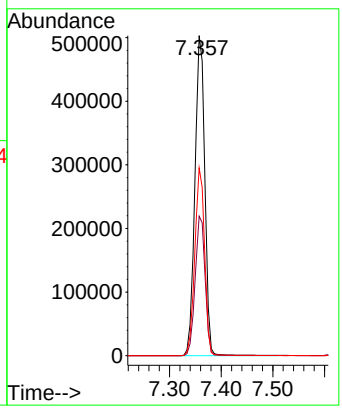


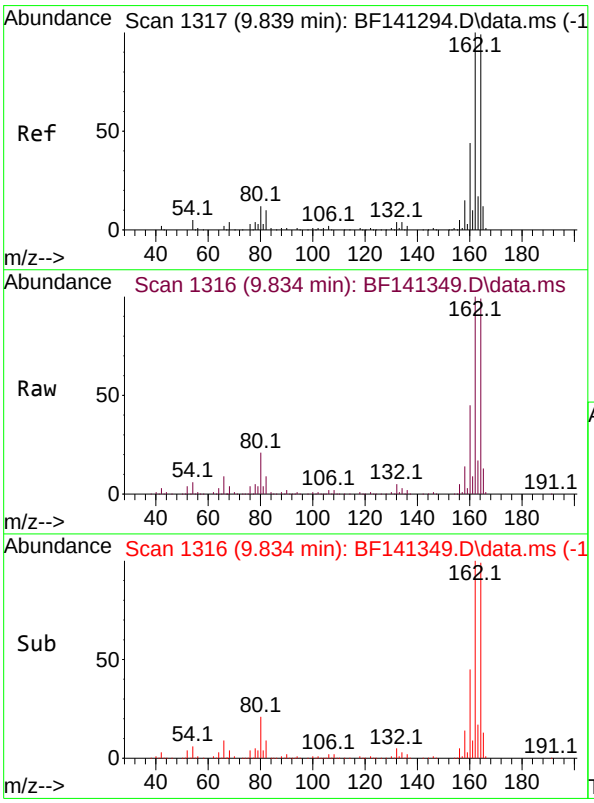
#23
Nitrobenzene-d5
Concen: 60.050 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion: 82 Resp: 669348

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.7	53.5
54	58.7	47.1	70.7

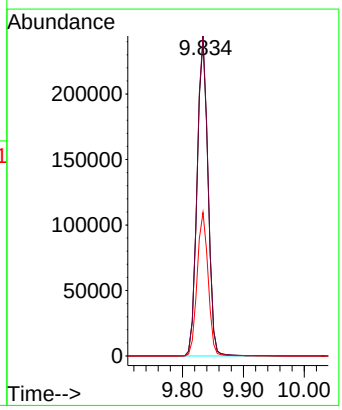


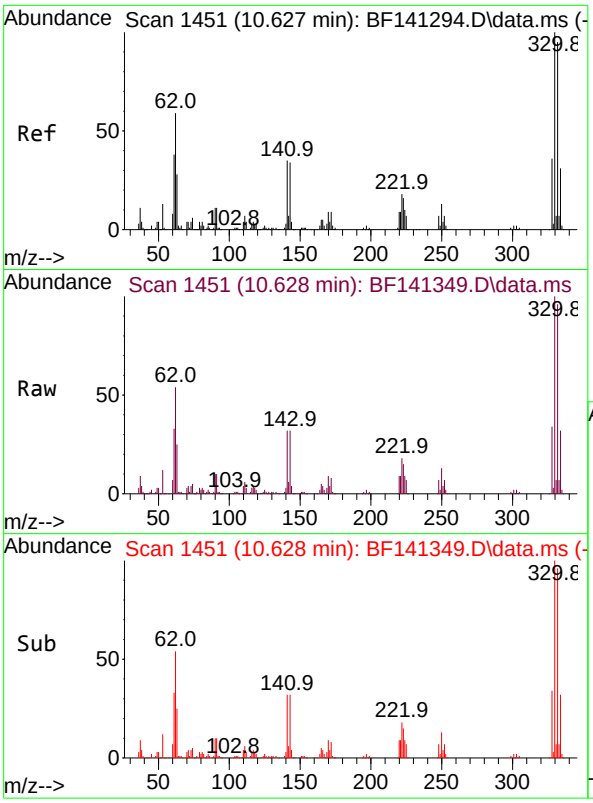


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:164 Resp: 300372

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	121.0
160	45.5	35.8	53.6



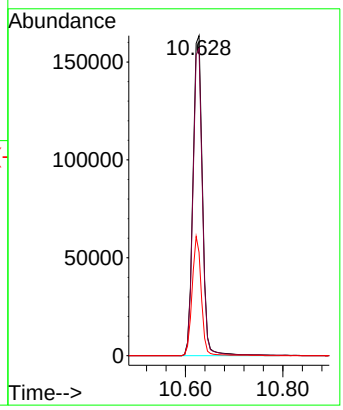


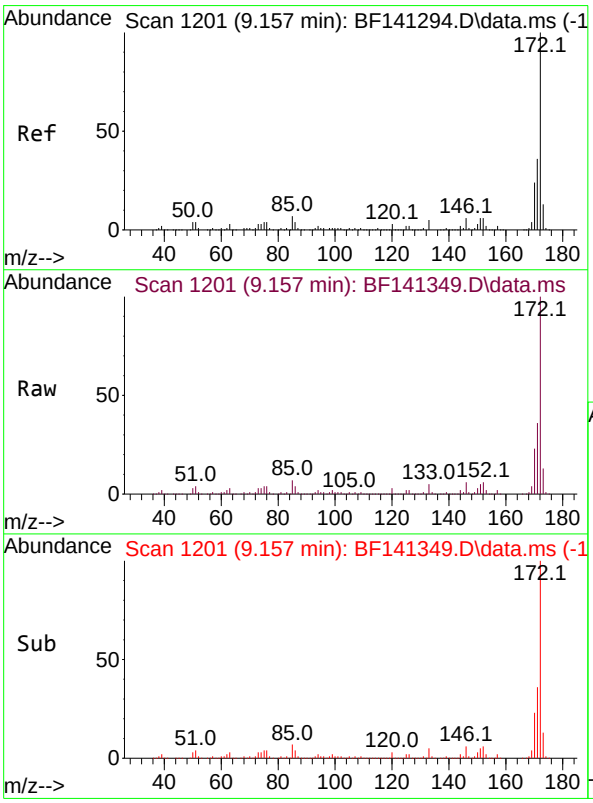
#42
2,4,6-Tribromophenol
Concen: 81.006 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion:330 Resp: 223067

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.1	114.1
141	36.0	28.8	43.2

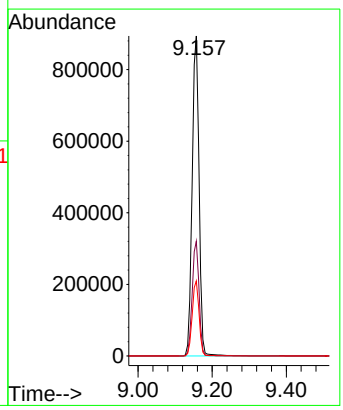


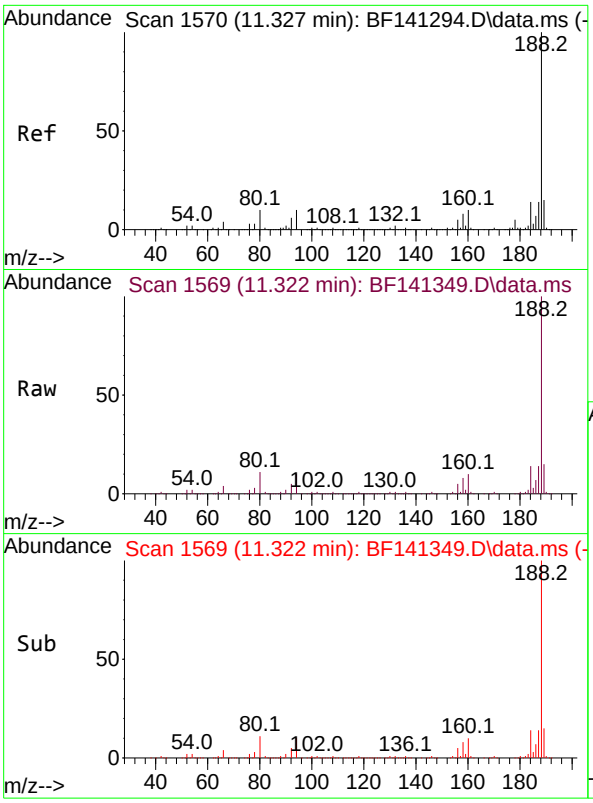


#45
2-Fluorobiphenyl
Concen: 59.359 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:172 Resp: 1158393

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.4	19.0	28.6



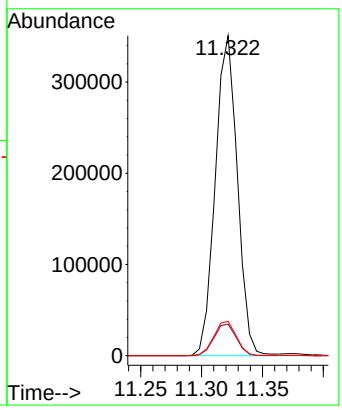


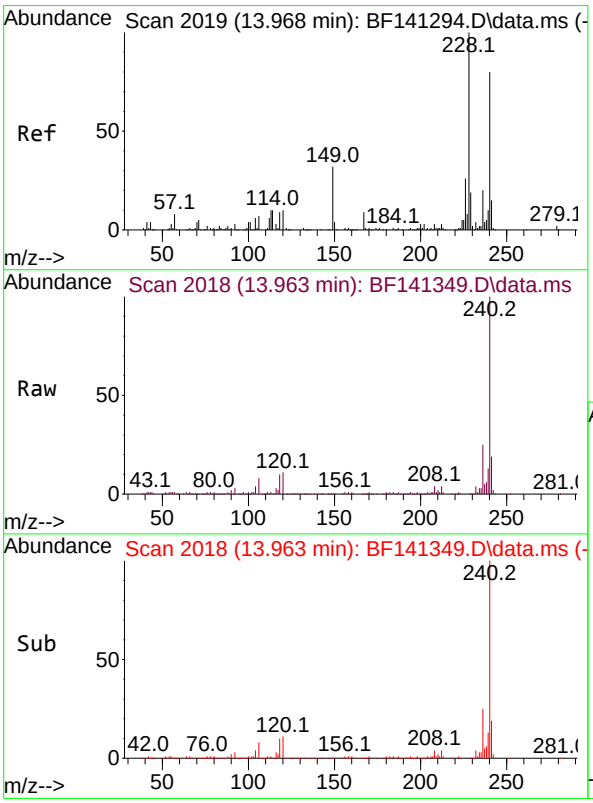
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion:188 Resp: 443291

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.7	8.2	12.4

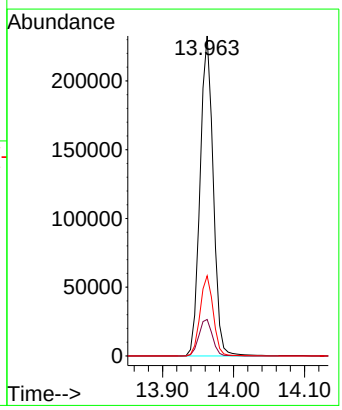


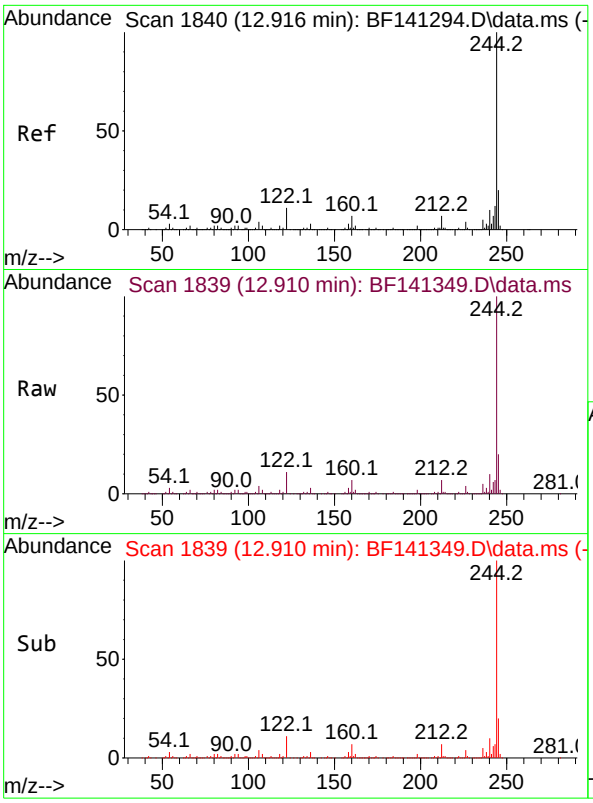


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:240 Resp: 300964

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.0	15.0
236	25.1	19.7	29.5



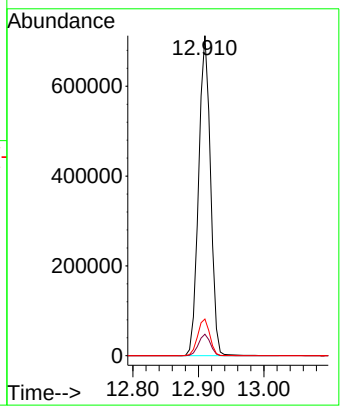


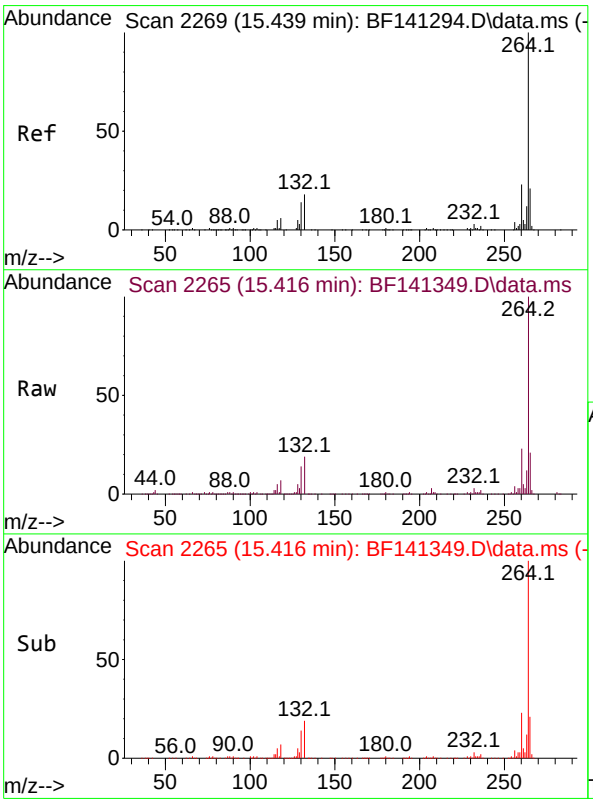
#79
Terphenyl-d14
Concen: 46.212 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion:244 Resp: 901846

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.5	8.8	13.2

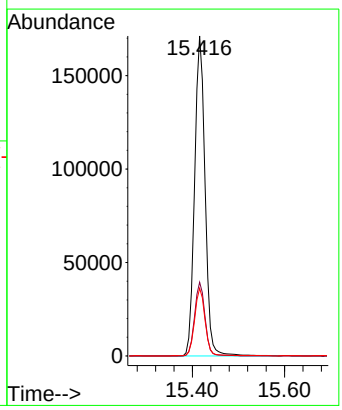




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:264 Resp: 270058

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.2	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141349.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.158	5	11	17	rBV	72385	108401	3.20%	0.463%
2	2.346	31	43	57	rVB	51666	186216	5.50%	0.795%
3	5.010	491	496	502	rVB	40951	67045	1.98%	0.286%
4	5.422	560	566	584	rBV	2282457	3033055	89.59%	12.948%
5	5.981	656	661	670	rBV	59009	79311	2.34%	0.339%
6	6.440	733	739	756	rBV	2177653	3055889	90.26%	13.045%
7	6.798	795	800	805	rBV	735261	899199	26.56%	3.839%
8	7.357	889	895	900	rBV	1516199	2002245	59.14%	8.547%
9	7.616	933	939	947	rBV	81440	104051	3.07%	0.444%
10	8.081	1010	1018	1023	rBV	942087	1208483	35.69%	5.159%
11	8.298	1051	1055	1062	rVB	33531	43882	1.30%	0.187%
12	8.669	1113	1118	1122	rBV	44461	58728	1.73%	0.251%
13	9.157	1195	1201	1206	rBV	2631881	3385629	100.00%	14.453%
14	9.234	1210	1214	1219	rVB	41207	56425	1.67%	0.241%
15	9.834	1310	1316	1328	rBV	1032656	1291141	38.14%	5.512%
16	10.545	1432	1437	1445	rBV	169420	221757	6.55%	0.947%
17	10.622	1445	1450	1468	rBV	1387377	1843411	54.45%	7.869%
18	11.322	1564	1569	1576	rVB	873519	1099316	32.47%	4.693%
19	11.857	1654	1660	1674	rBV2	122009	244818	7.23%	1.045%
20	12.104	1698	1702	1710	rVB	42057	54385	1.61%	0.232%
21	12.645	1787	1794	1805	rBV6	23026	65109	1.92%	0.278%
22	12.910	1833	1839	1844	rBV	1885314	2389896	70.59%	10.202%
23	13.451	1926	1931	1939	rBV	169032	231058	6.82%	0.986%
24	13.880	1996	2004	2010	rBV6	14878	43408	1.28%	0.185%
25	13.963	2012	2018	2025	rVB	641075	867094	25.61%	3.701%
26	15.416	2259	2265	2281	rVB	463911	734594	21.70%	3.136%
27	18.210	2736	2740	2750	rVB3	19926	51064	1.51%	0.218%

Sum of corrected areas: 23425610

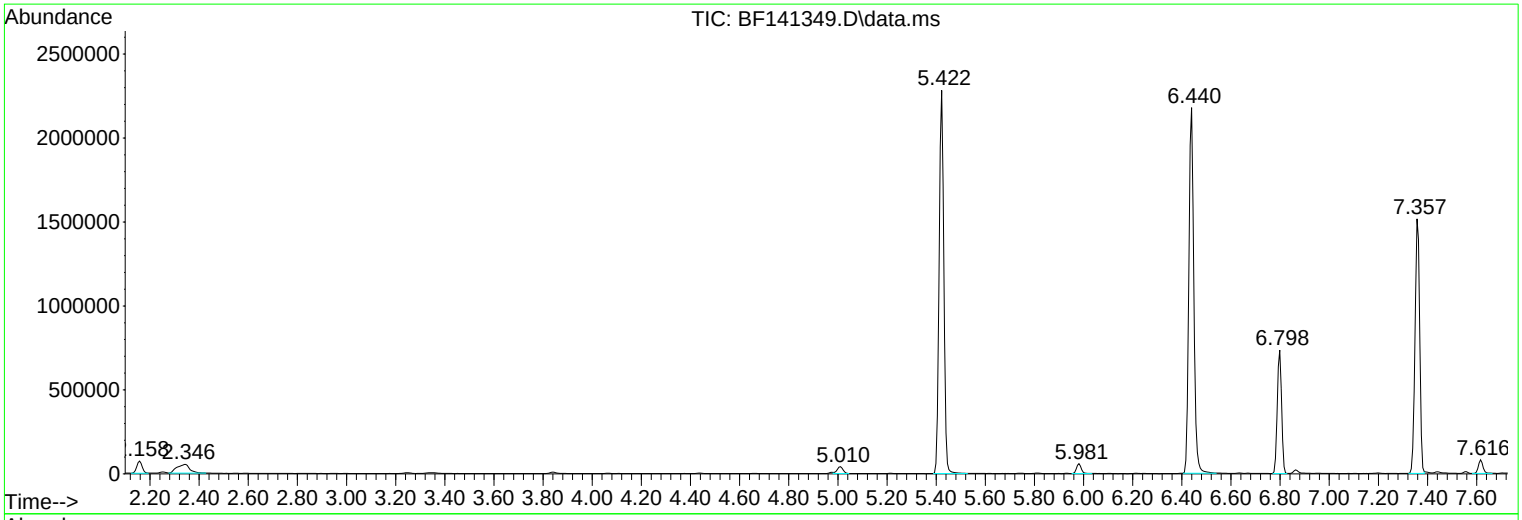
Sample Results: **BF141349.D**

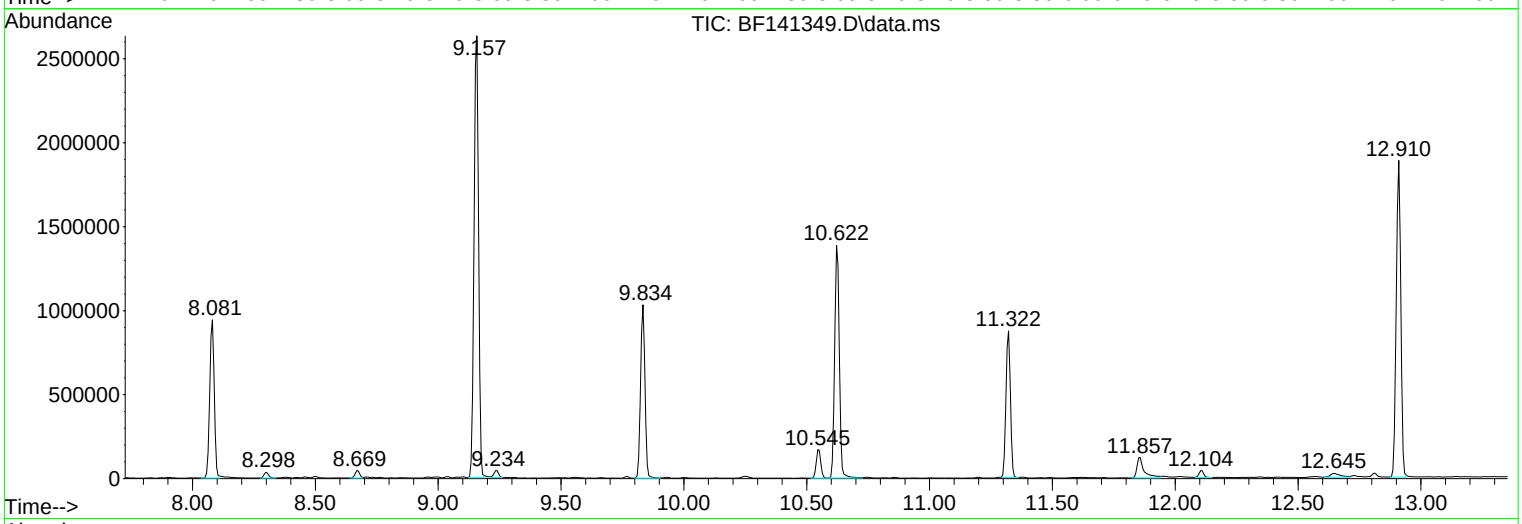
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

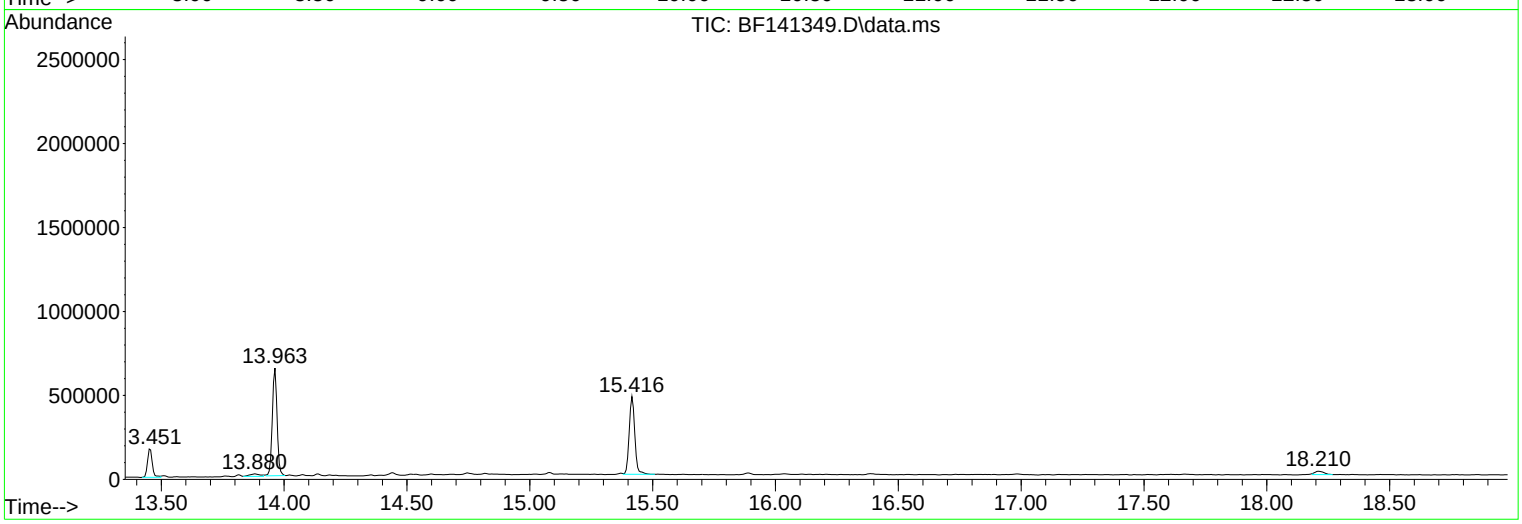
Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

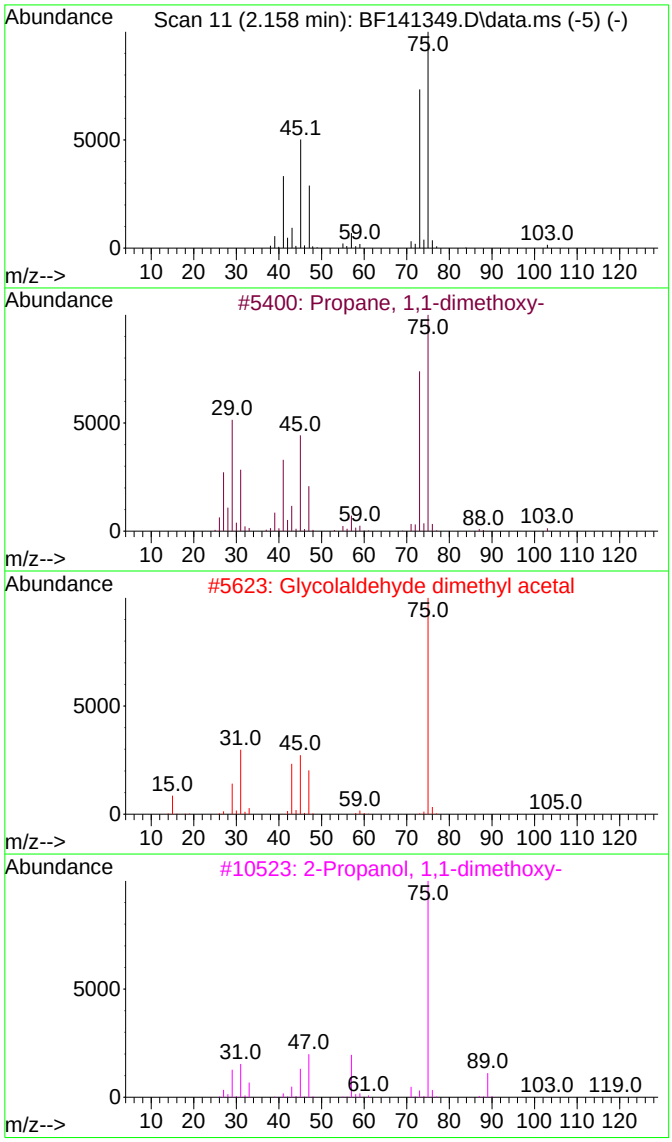
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

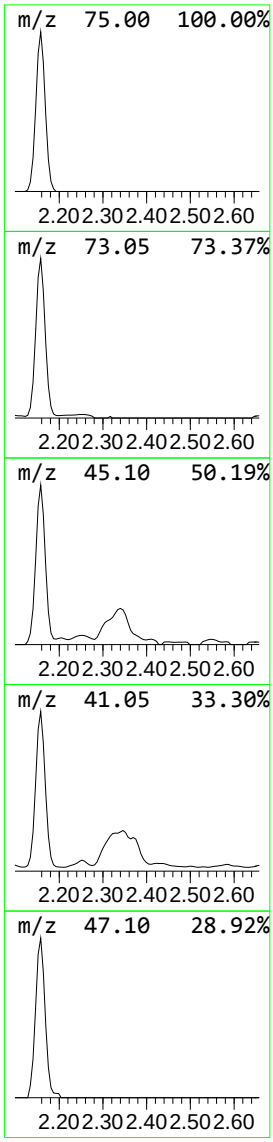
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.158	2.41 ng	108401	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	42
3	2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	40
4	Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	38
5	Methane, trimethoxy-	106	C4H10O3	000149-73-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

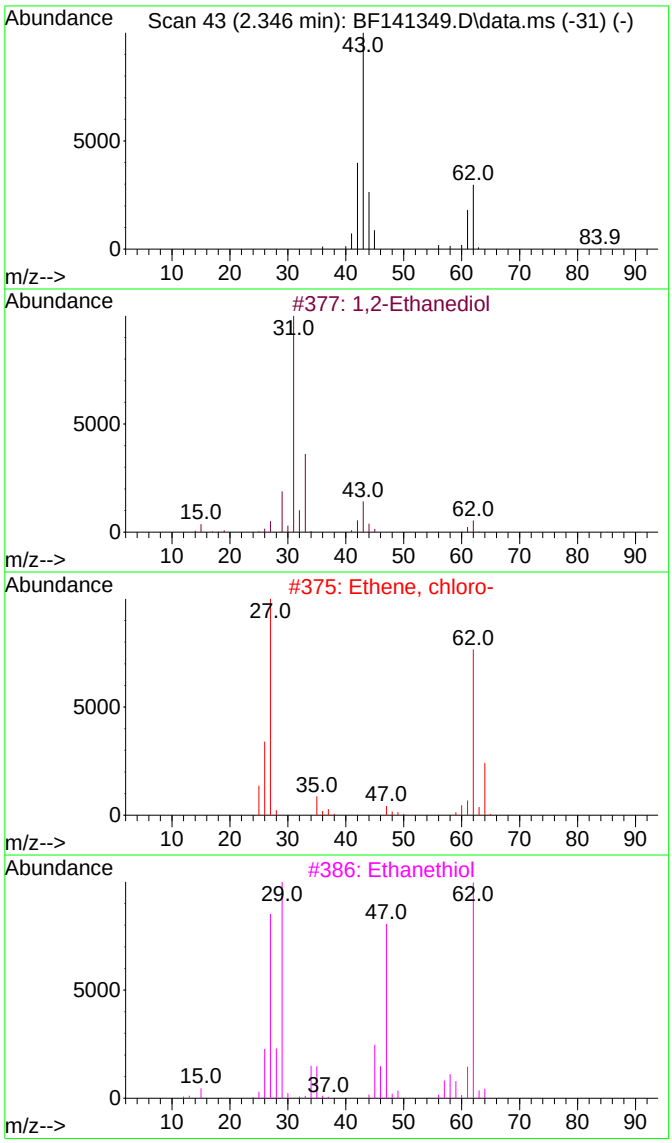
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

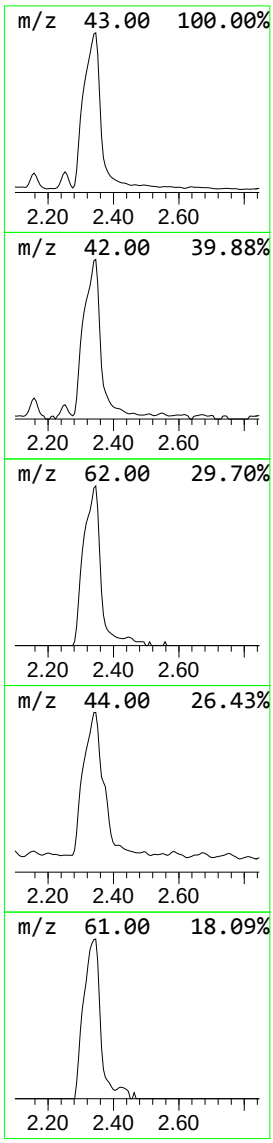
****

Peak Number 2 unknown2.346 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.346	4.14 ng	186216	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Ethanediol	62	C2H6O2	000107-21-1	9
2	Ethene, chloro-	62	C2H3Cl	000075-01-4	5
3	Ethanethiol	62	C2H6S	000075-08-1	4
4	Peroxide, dimethyl	62	C2H6O2	000690-02-8	4
5	Diazirine	42	CH2N2	1000305-84-1	3





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

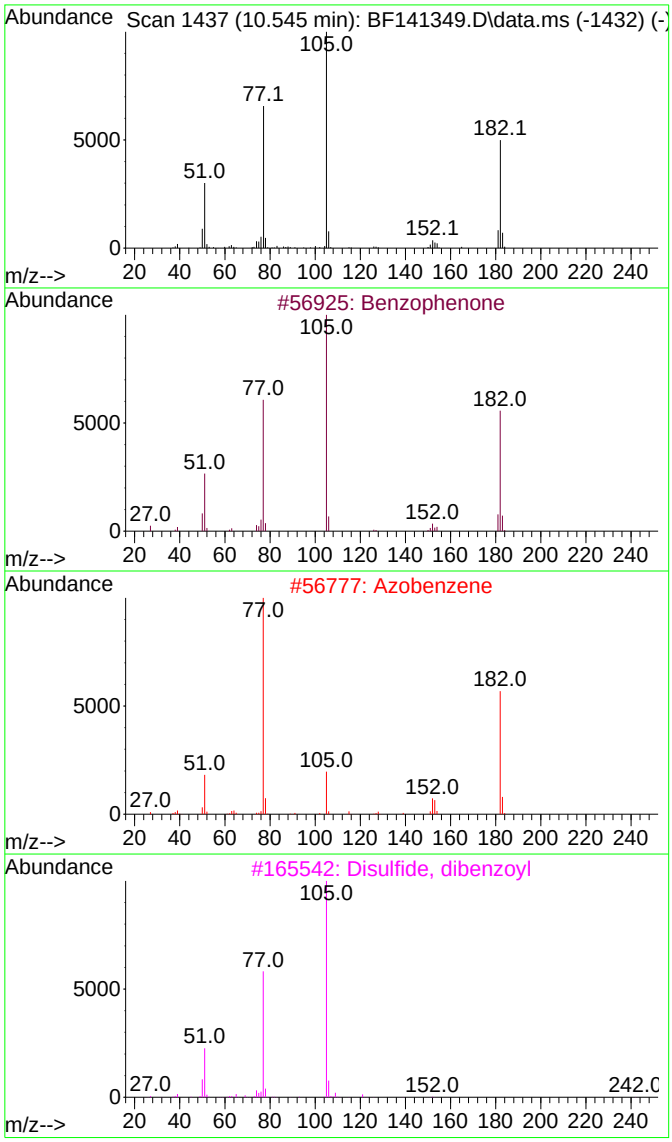
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

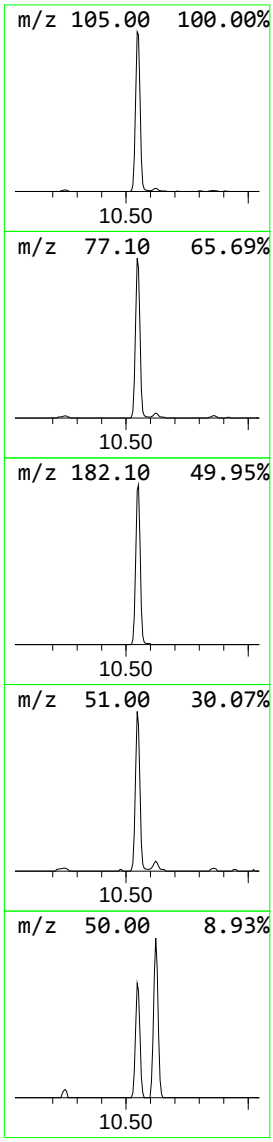
****

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.545	3.44 ng	221757	Acenaphthene-d10	9.834

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	64
3	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47
4	Methyl benzilate	242	C15H14O3	000076-89-1	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

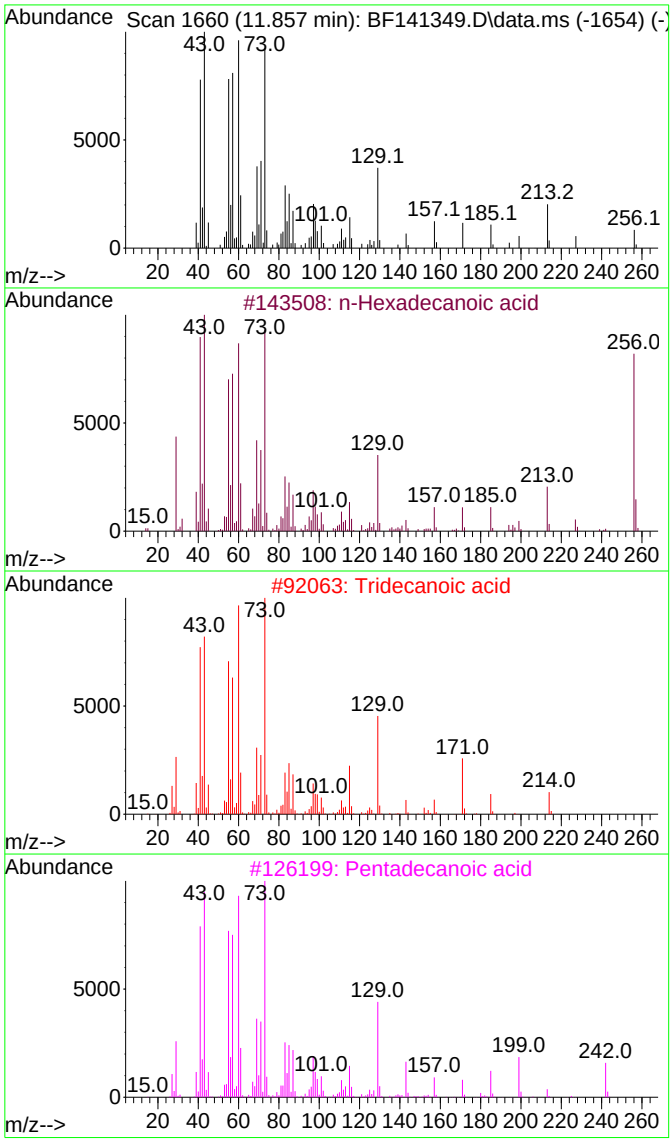
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

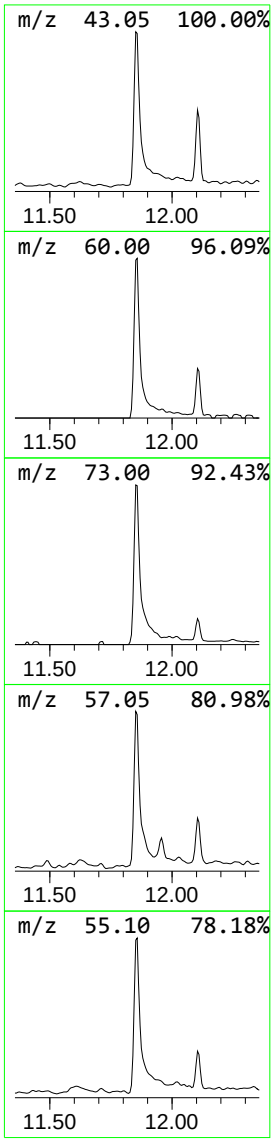
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	4.45 ng	244818	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Octanoic acid	144	C8H16O2	000124-07-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

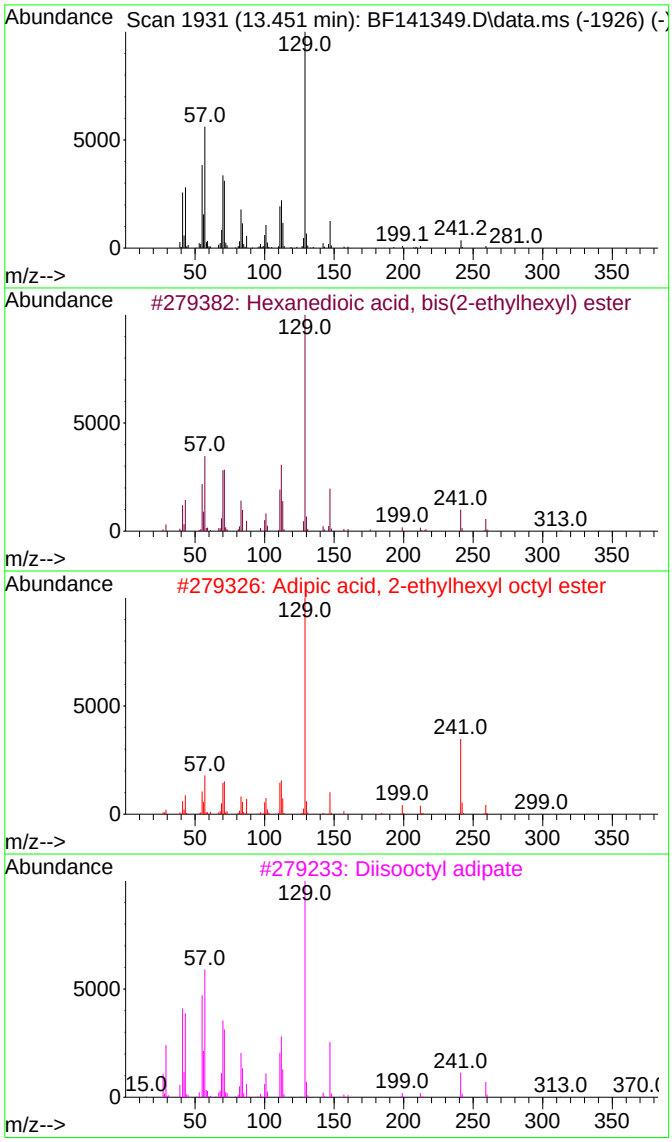
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

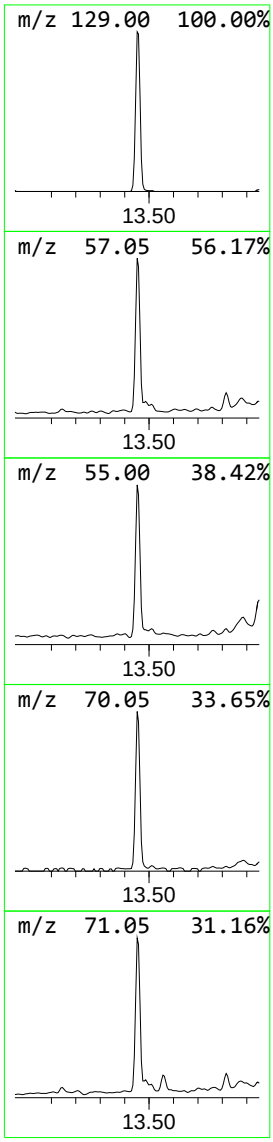
****

Peak Number 5 Hexanedioic acid, bis(2-eth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.451	5.33 ng	231058	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
2	Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	90
3	Diisooctyl adipate	370	C22H42O4	001330-86-5	86
4	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	70
5	Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-di...	2.158	2.4	ng	108401	1	6.798	899199	20.0
unknown2.346	2.346	4.1	ng	186216	1	6.798	899199	20.0
Benzophenone	10.545	3.4	ng	221757	3	9.834	1291140	20.0
n-Hexadecanoic ...	11.857	4.5	ng	244818	4	11.322	1099320	20.0
Hexanedioic aci...	13.451	5.3	ng	231058	5	13.963	867094	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Time: Feb 01 00:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

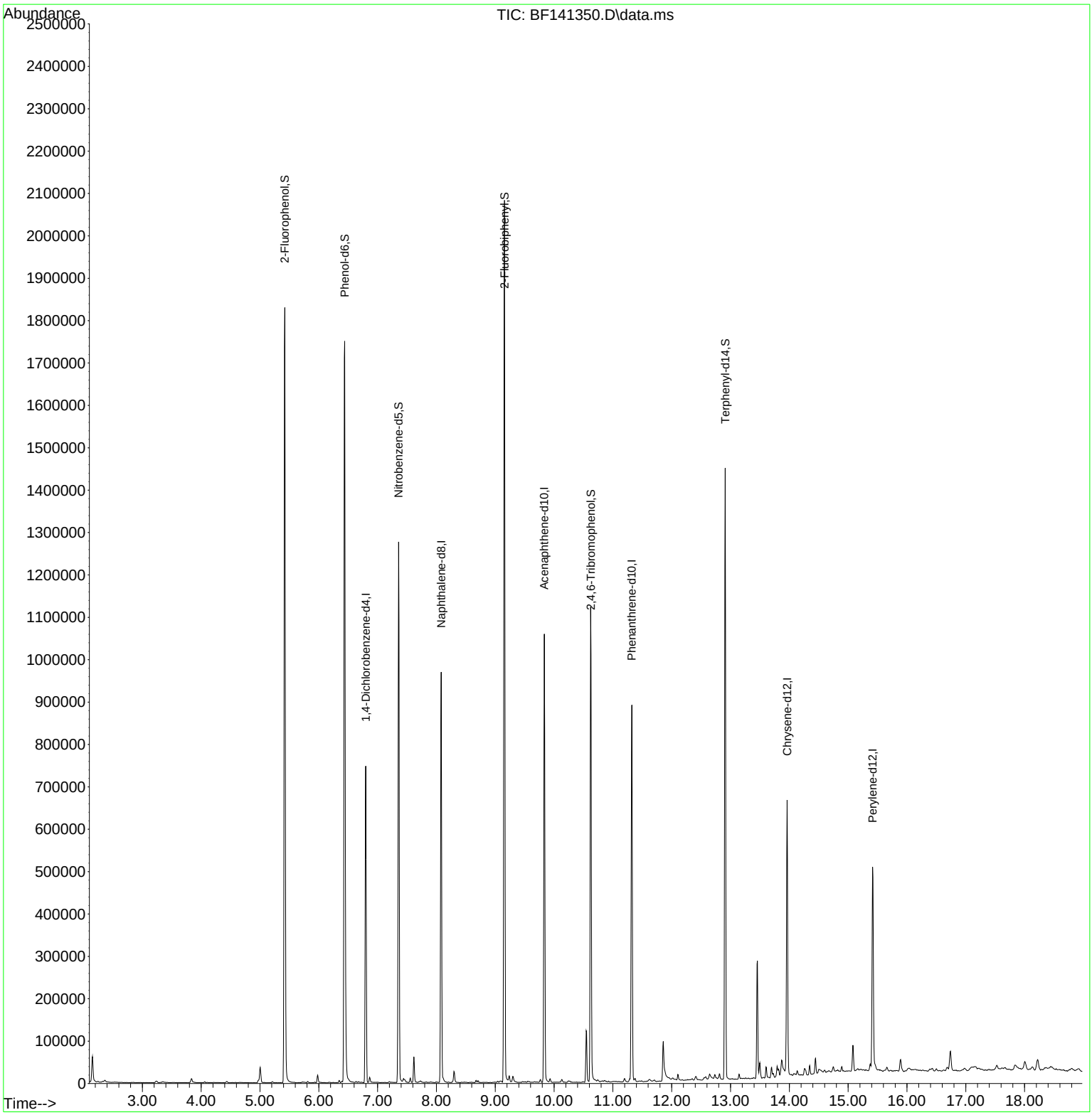
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	149181	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	593714	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	307017	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	441643	20.000	ng	0.00
76) Chrysene-d12	13.963	240	304741	20.000	ng	-0.01
86) Perylene-d12	15.416	264	278986	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	709624	73.026	ng	0.01
7) Phenol-d6	6.440	99	863941	69.888	ng	0.00
23) Nitrobenzene-d5	7.357	82	539898	47.938	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	174209	61.894	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	918116	46.029	ng	0.00
79) Terphenyl-d14	12.910	244	692428	35.041	ng	0.00
Target Compounds						Qvalue

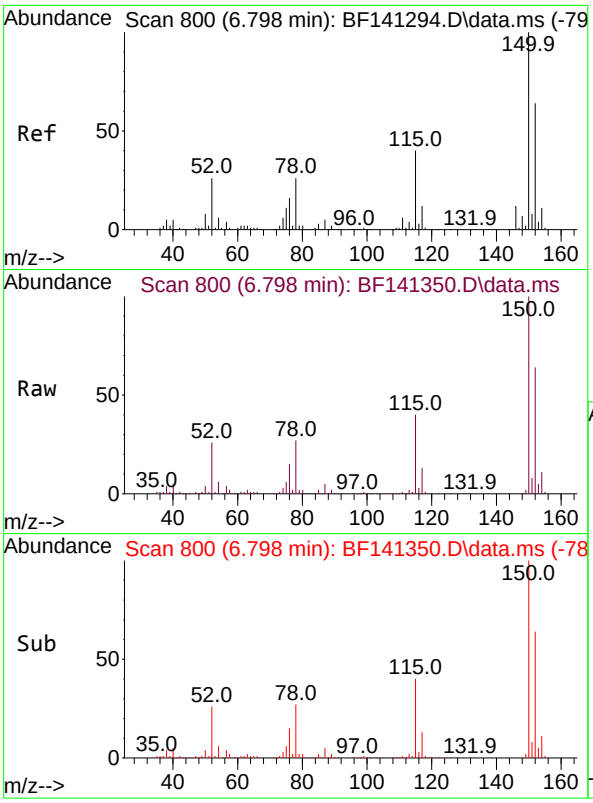
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Time: Feb 01 00:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



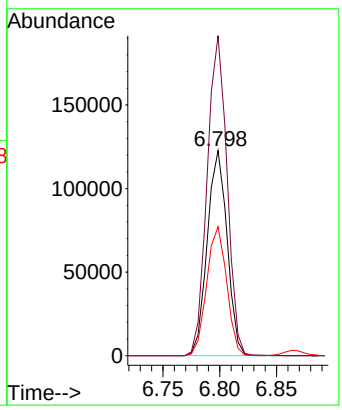


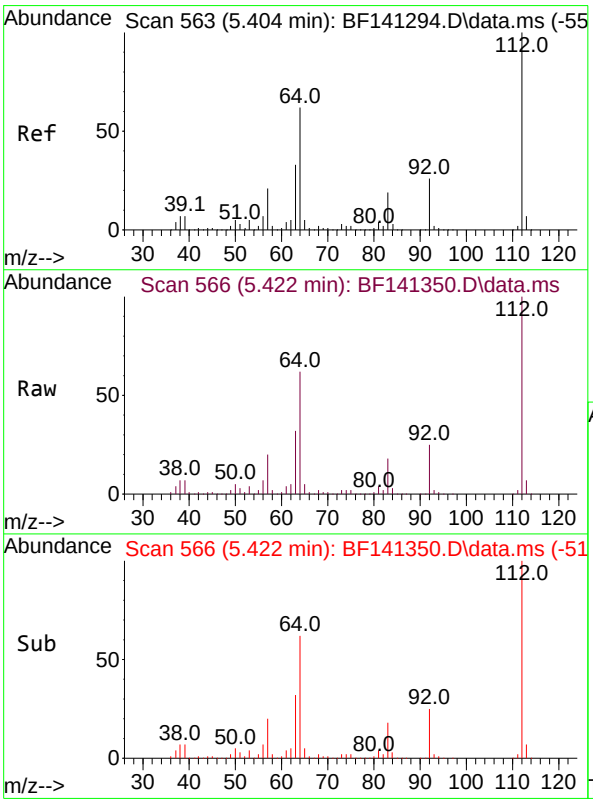
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion:152 Resp: 149181

Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.9	188.9
115	62.8	49.7	74.5

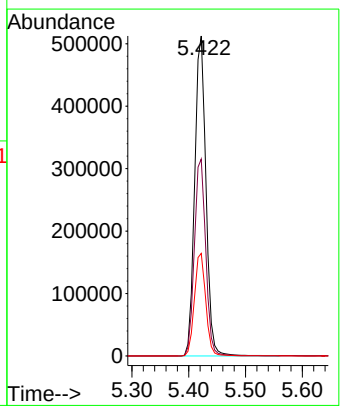


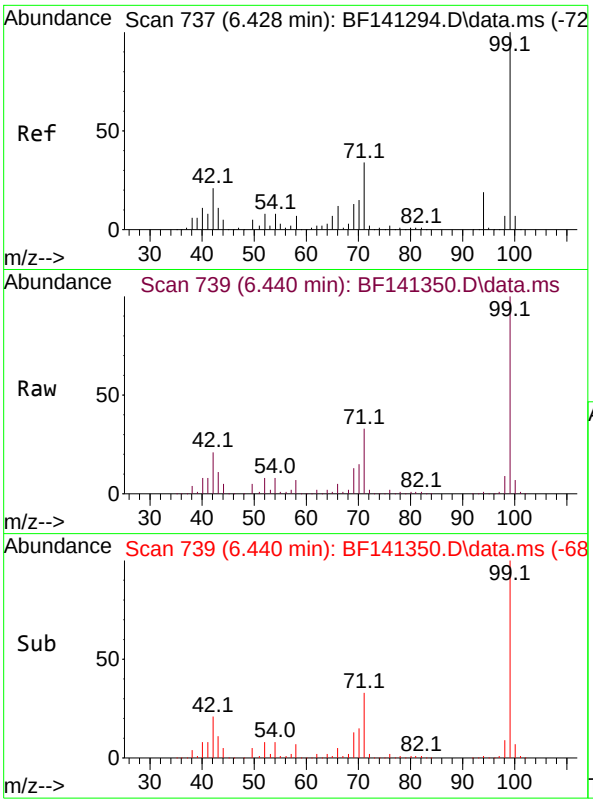


#5
2-Fluorophenol
Concen: 73.026 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:112 Resp: 709624

Ion	Ratio	Lower	Upper
112	100		
64	61.6	49.8	74.8
63	32.1	26.1	39.1



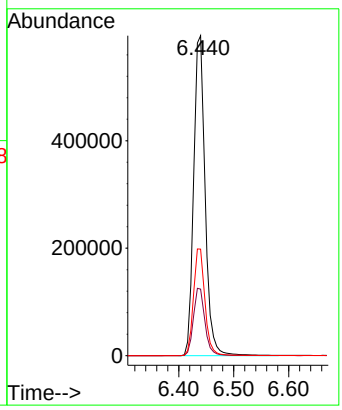


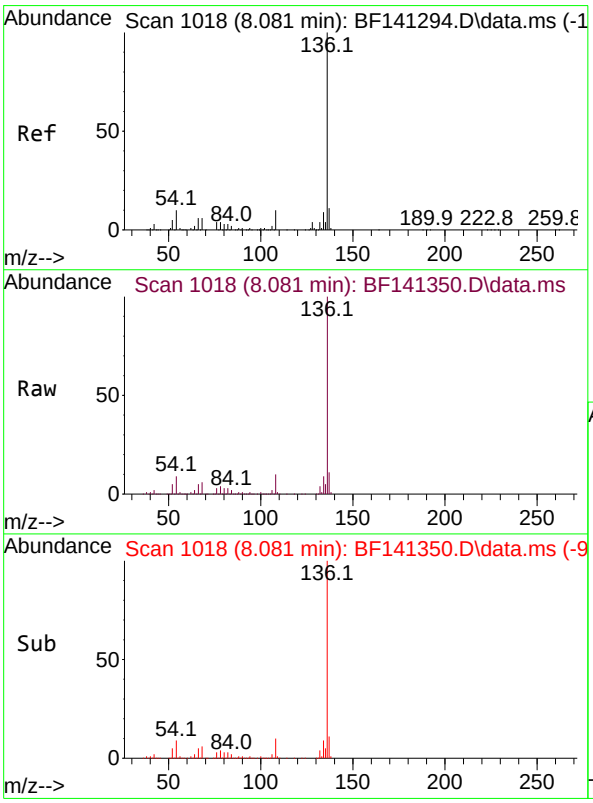
#7
Phenol-d6
Concen: 69.888 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion: 99 Resp: 863941

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.1	25.7
71	33.3	26.9	40.3

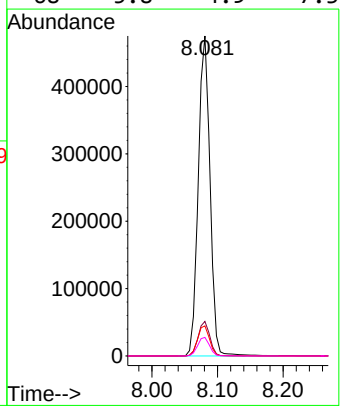


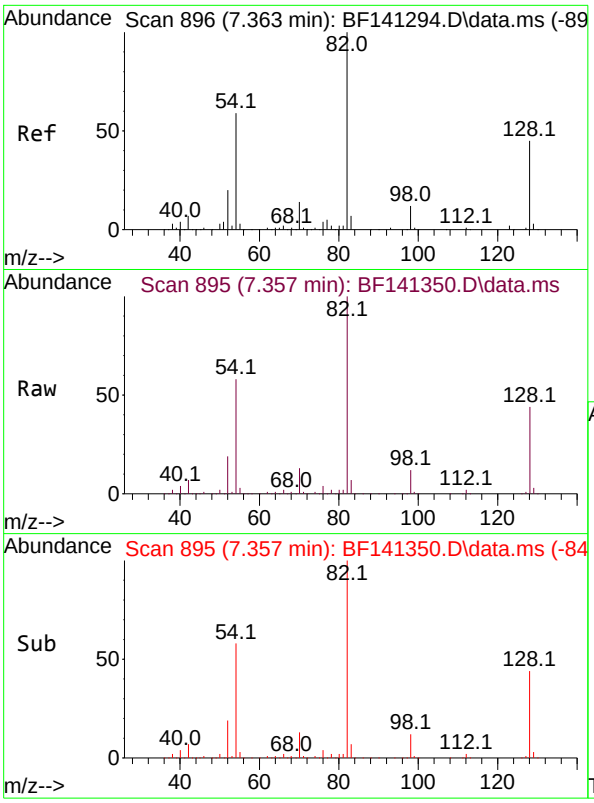


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:136 Resp: 593714

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.4	7.8	11.8
68	5.8	4.9	7.3



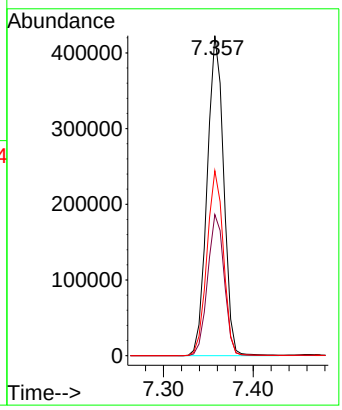


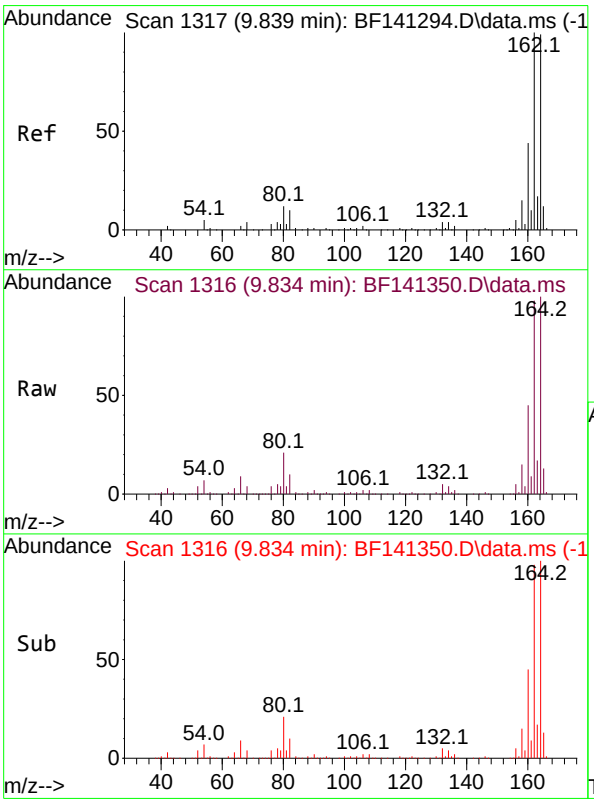
#23
Nitrobenzene-d5
Concen: 47.938 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion: 82 Resp: 539898

Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.7	53.5
54	57.8	47.1	70.7

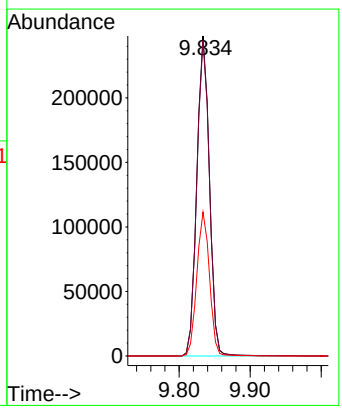


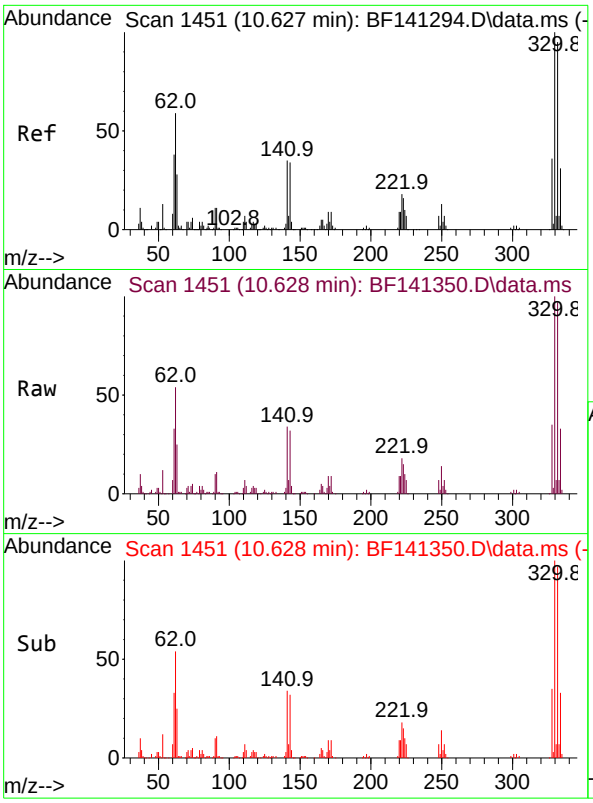


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:164 Resp: 307017

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	121.0
160	44.9	35.8	53.6



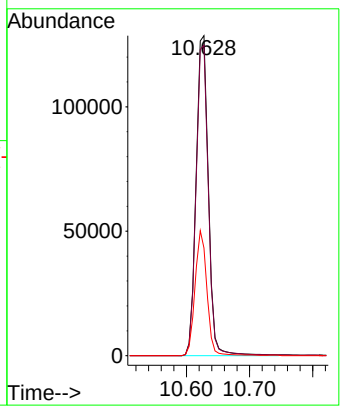


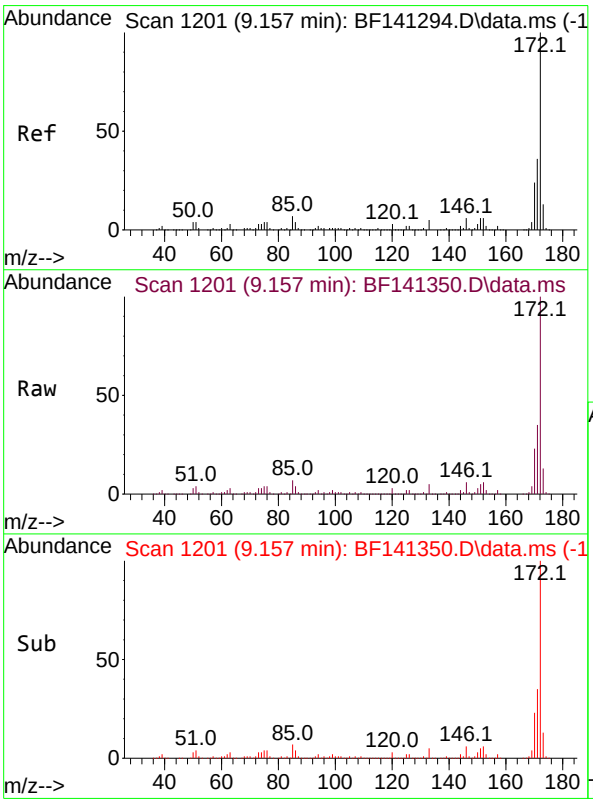
#42
2,4,6-Tribromophenol
Concen: 61.894 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion:330 Resp: 174209

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.1	114.1
141	37.7	28.8	43.2

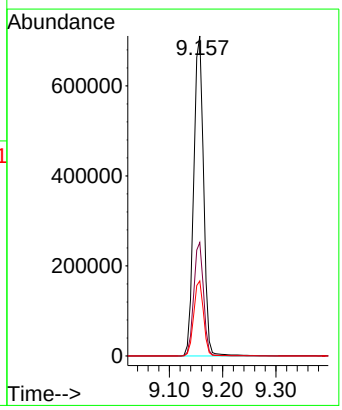


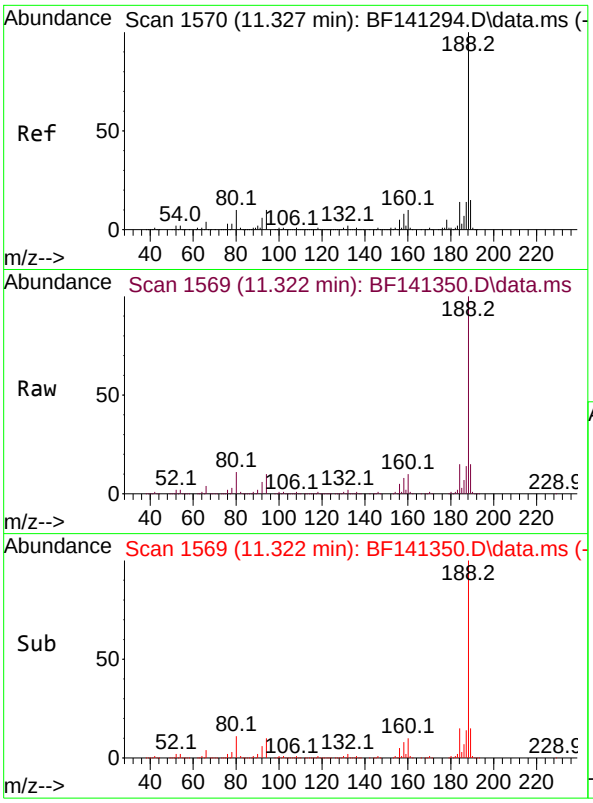


#45
2-Fluorobiphenyl
Concen: 46.029 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:172 Resp: 918116

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.4	19.0	28.6



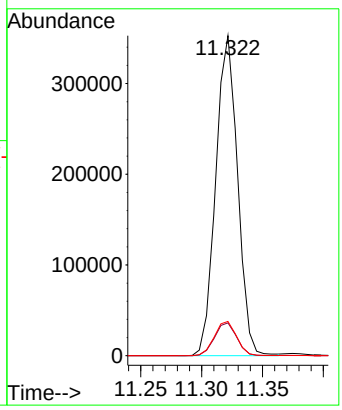


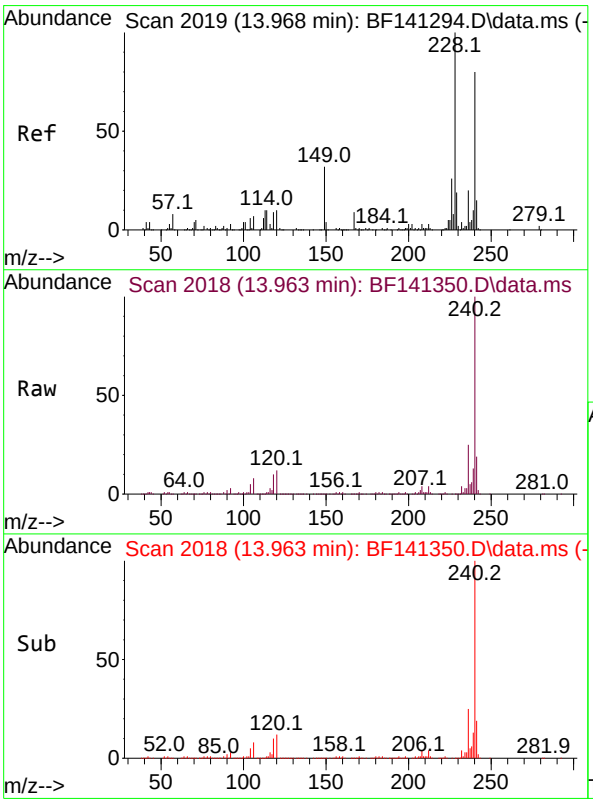
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion:188 Resp: 441643

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.8	11.6
80	10.7	8.2	12.4

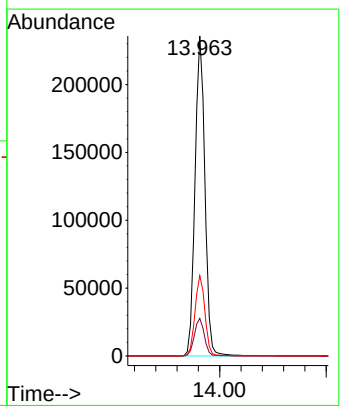


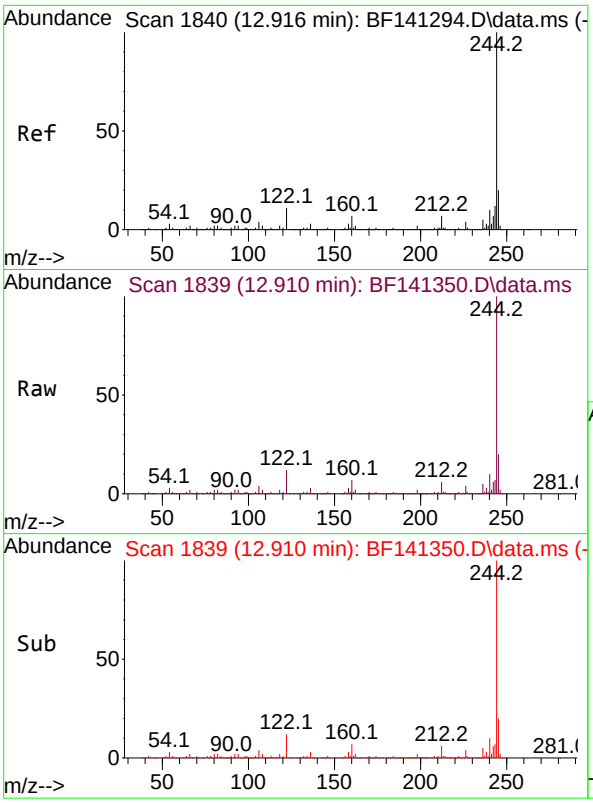


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:240 Resp: 304741

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.0	15.0
236	25.1	19.7	29.5



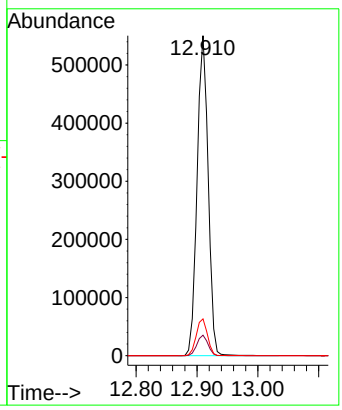


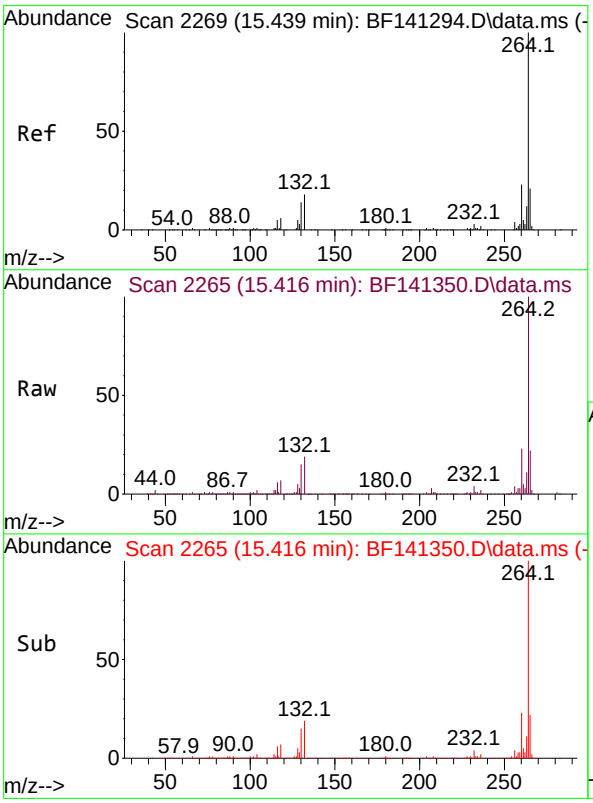
#79
Terphenyl-d14
Concen: 35.041 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion:244 Resp: 692428

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.5	8.8	13.2

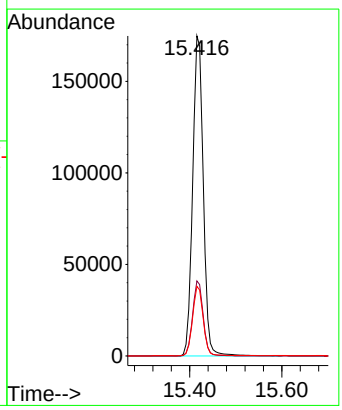




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:264 Resp: 278986

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.7	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141350.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.152	4	10	22	rVB	59286	97211	3.63%	0.470%
2	5.004	490	495	504	rVB	35582	55478	2.07%	0.269%
3	5.422	560	566	585	rBV	1828388	2543144	95.07%	12.308%
4	5.981	656	661	668	rBV	18356	26825	1.00%	0.130%
5	6.440	733	739	760	rVB	1747970	2560707	95.72%	12.393%
6	6.798	795	800	805	rBV	746852	910293	34.03%	4.406%
7	7.357	889	895	900	rBV	1275670	1623521	60.69%	7.857%
8	7.616	933	939	945	rBV	60043	75587	2.83%	0.366%
9	8.081	1012	1018	1023	rBV	968117	1205587	45.07%	5.835%
10	8.298	1047	1055	1064	rBV2	26077	39732	1.49%	0.192%
11	9.157	1195	1201	1206	rBV	2080955	2675103	100.00%	12.947%
12	9.298	1221	1225	1238	rVB2	14270	28305	1.06%	0.137%
13	9.834	1311	1316	1329	rBV	1057602	1315880	49.19%	6.369%
14	10.545	1433	1437	1445	rBV	121589	161615	6.04%	0.782%
15	10.622	1445	1450	1461	rBV	1119682	1465773	54.79%	7.094%
16	11.322	1564	1569	1575	rVB	884623	1105615	41.33%	5.351%
17	11.857	1655	1660	1683	rBV2	93595	216106	8.08%	1.046%
18	12.645	1789	1794	1805	rBV10	11570	28622	1.07%	0.139%
19	12.910	1833	1839	1844	rBV	1441850	1814580	67.83%	8.782%
20	13.457	1926	1932	1936	rBV	277474	371571	13.89%	1.798%
21	13.498	1936	1939	1945	rVB2	36623	53361	1.99%	0.258%
22	13.604	1953	1957	1962	rBV	25897	35501	1.33%	0.172%
23	13.698	1968	1973	1976	rBV2	25010	37251	1.39%	0.180%
24	13.792	1985	1989	1992	rBV	23767	34952	1.31%	0.169%
25	13.869	1997	2002	2011	rVV5	36652	96260	3.60%	0.466%
26	13.963	2012	2018	2026	rVB	648027	872438	32.61%	4.222%
27	14.263	2064	2069	2078	rBV2	15693	33487	1.25%	0.162%
28	14.345	2079	2083	2089	rBV6	21839	30361	1.13%	0.147%
29	14.445	2095	2100	2104	rBV	36437	50161	1.88%	0.243%
30	14.504	2106	2110	2122	rVV10	8736	31005	1.16%	0.150%
31	15.080	2203	2208	2214	rBV	60933	89710	3.35%	0.434%
32	15.416	2260	2265	2279	rVB	479146	768196	28.72%	3.718%
33	15.892	2341	2346	2356	rVB	28518	55379	2.07%	0.268%
34	16.739	2484	2490	2500	rVB2	45399	90729	3.39%	0.439%
35	18.221	2736	2742	2751	rVB7	24674	62034	2.32%	0.300%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 20662080

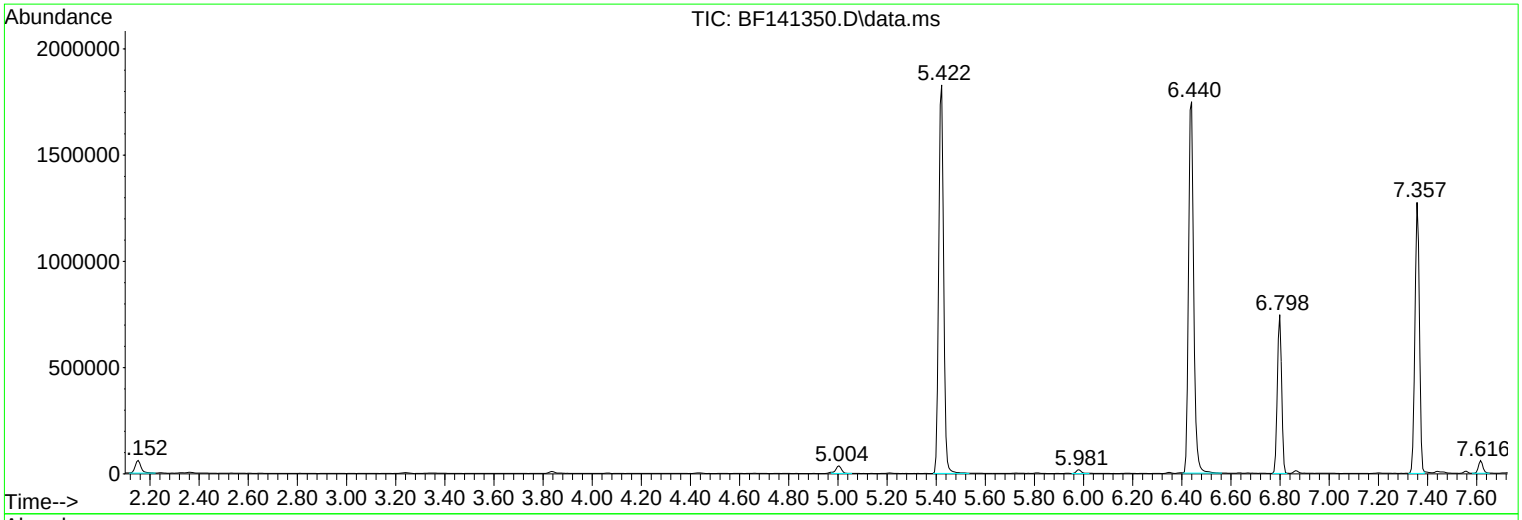
Sample Results: **BF141350.D**

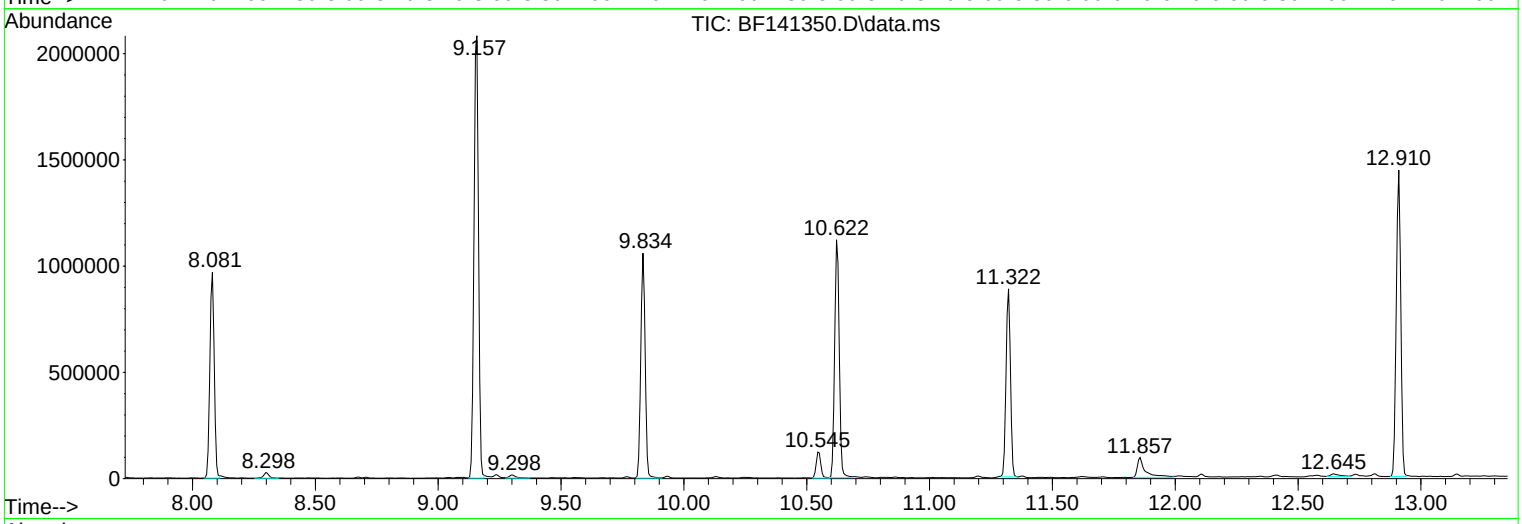
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

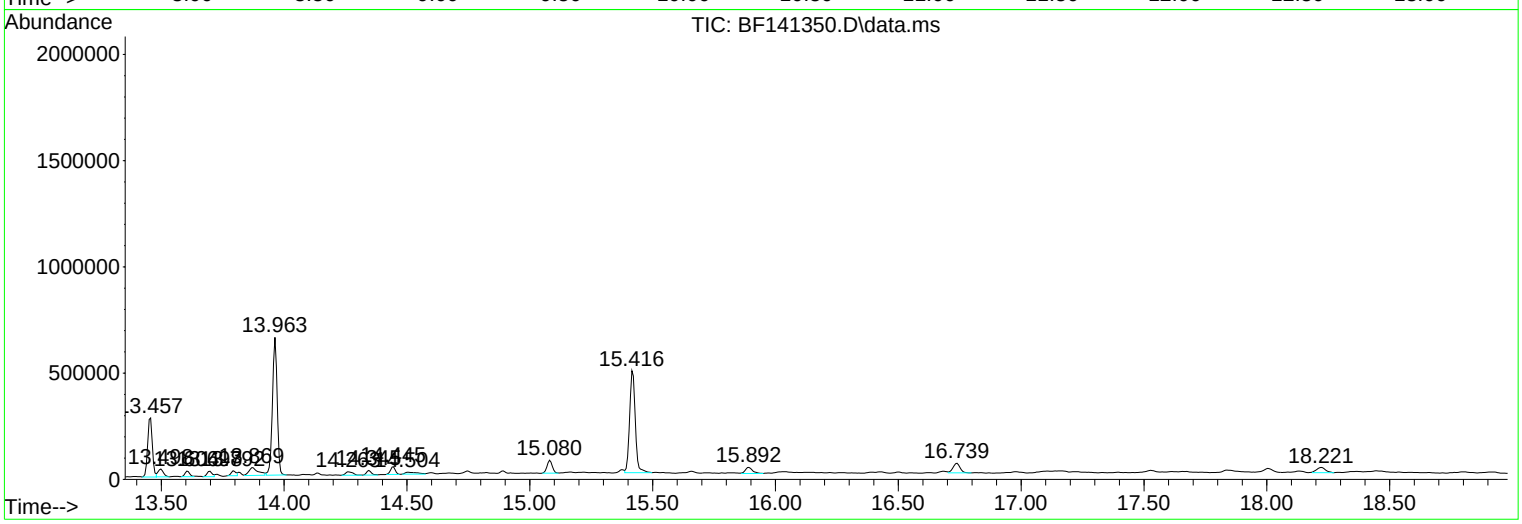
Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

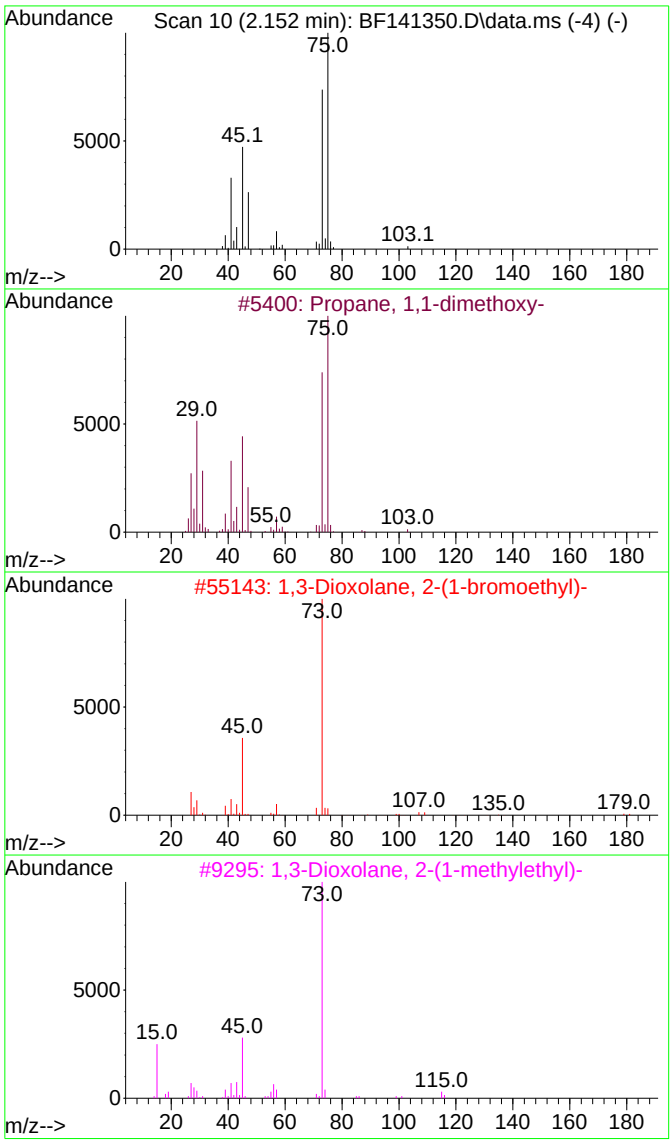
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

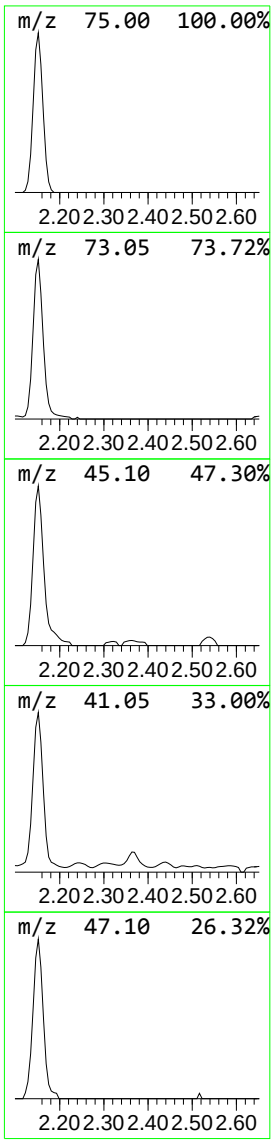
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.152	2.14 ng	97211	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	78
2	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	27
3	1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	27
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	16
5	2,5-Diethoxy-3-methyl-3-vinylhexane	214	C13H26O2	1000432-70-8	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

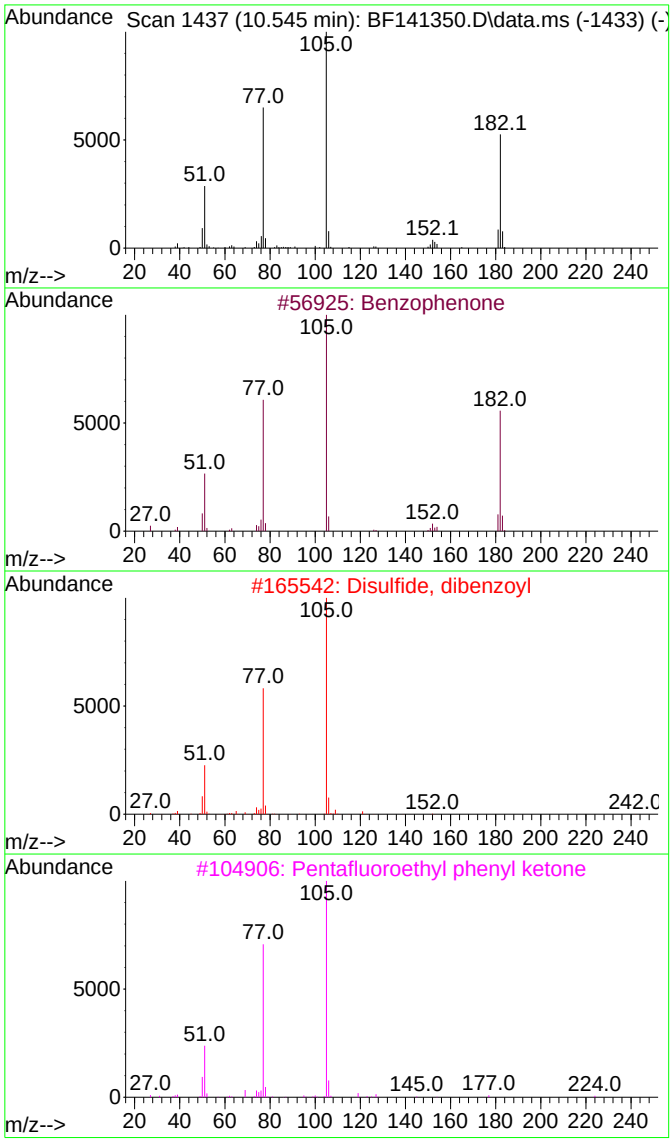
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

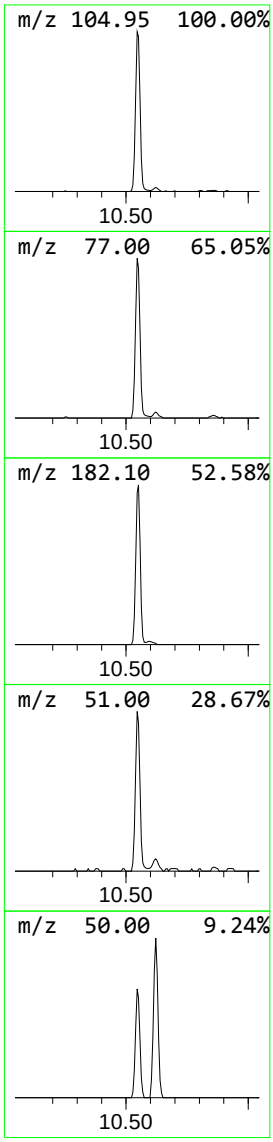
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.545	2.46 ng	161615	Acenaphthene-d10	9.834

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	52
3	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	50
4	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	50
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	50





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On    : 31 Jan 2025  23:37
Operator  : RC/JU
Sample    : Q1194-02
Misc      :
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

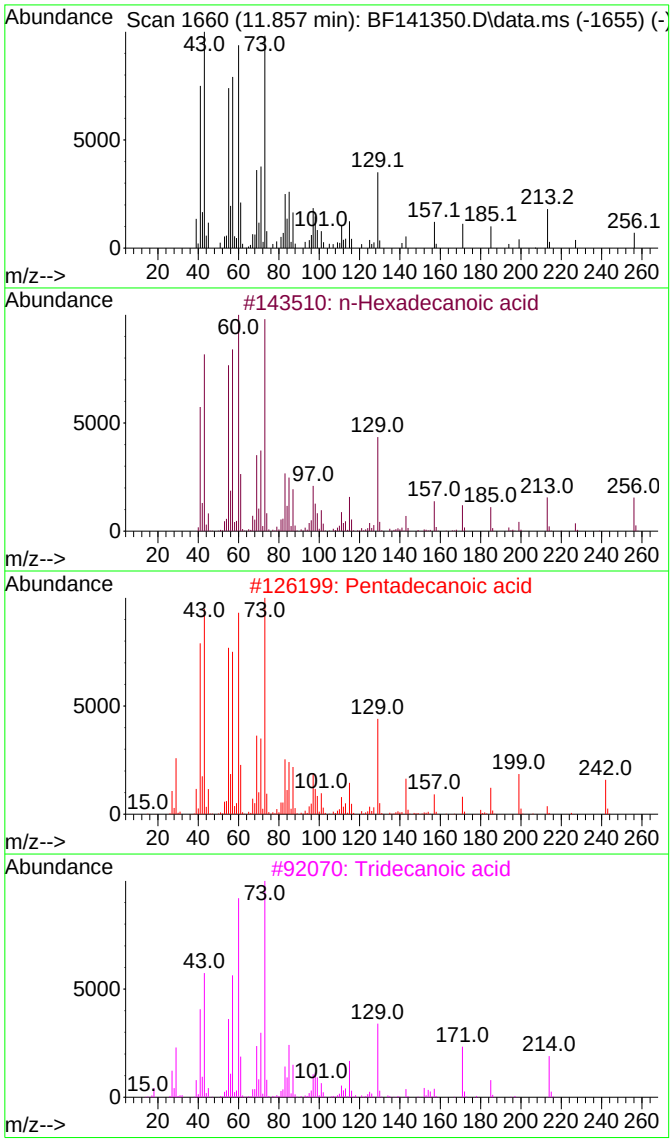
Instrument :
BNA_F
ClientSampleId :
B-110-SB02

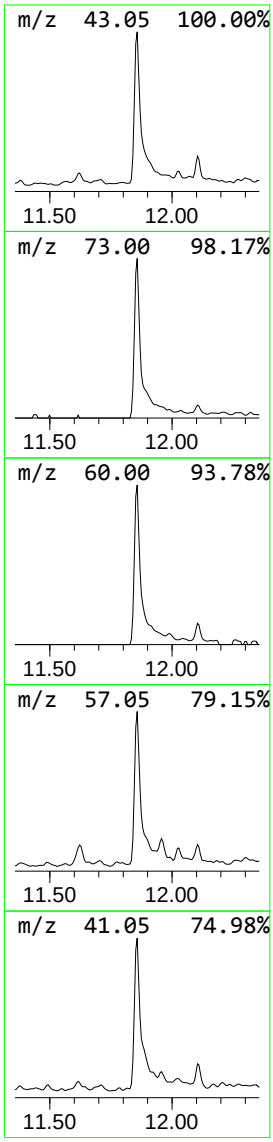
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	3.91 ng	216106	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Dodecanoic acid	200	C12H24O2	000143-07-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

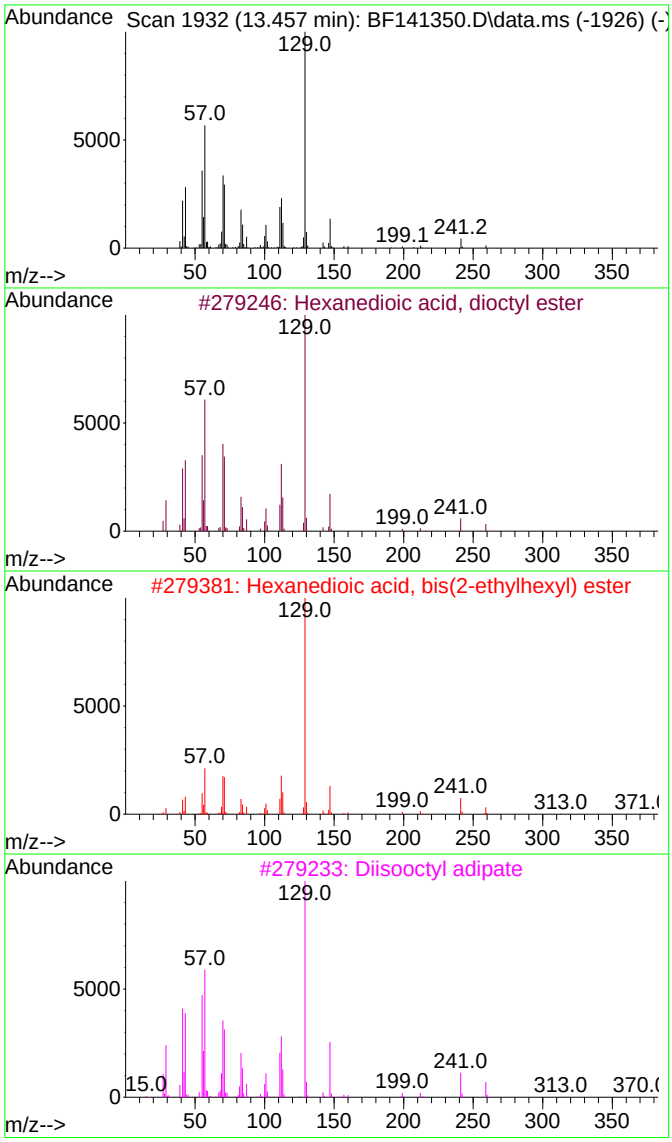
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

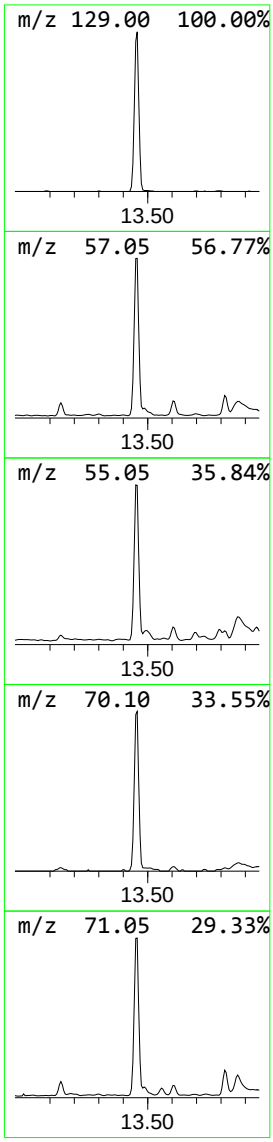
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Hexanedioic acid, dioctyl e... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.457	8.52 ng	371571	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	91
2	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
3	Diisooctyl adipate	370	C22H42O4	001330-86-5	86
4	Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	80
5	Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	68





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On    : 31 Jan 2025  23:37
Operator  : RC/JU
Sample    : Q1194-02
Misc      :
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

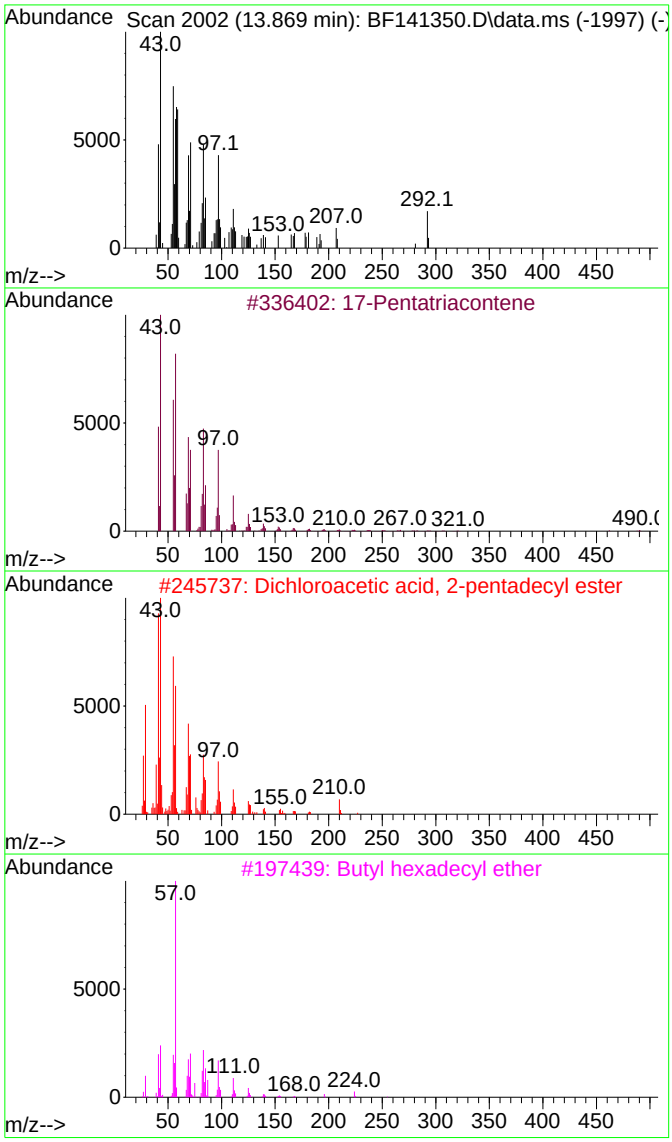
Instrument :
BNA_F
ClientSampleId :
B-110-SB02

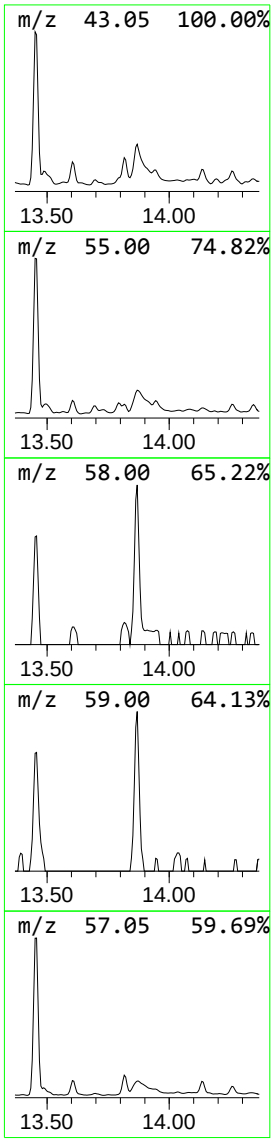
****

Peak Number 5 unknown13.869 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.869	2.21 ng	96260	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	46
2	Dichloroacetic acid, 2-pentadecy...	338	C17H32Cl2O2	1010280-64-7	46
3	Butyl hexadecyl ether	298	C20H42O	1010406-40-5	46
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	42
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

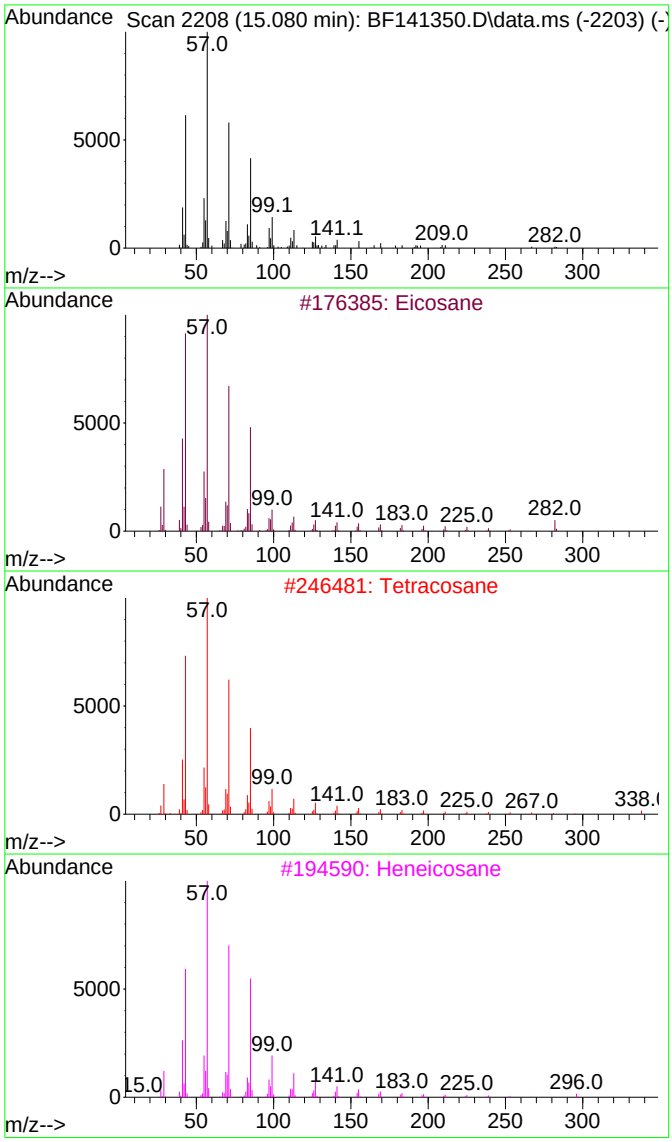
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

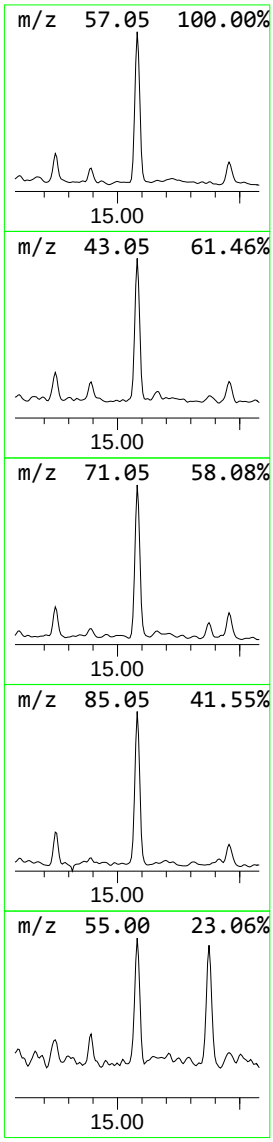
****

Peak Number 6 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.080	2.34 ng	89710	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Tetracosane	338	C24H50	000646-31-1	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Hexacosane	366	C26H54	000630-01-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

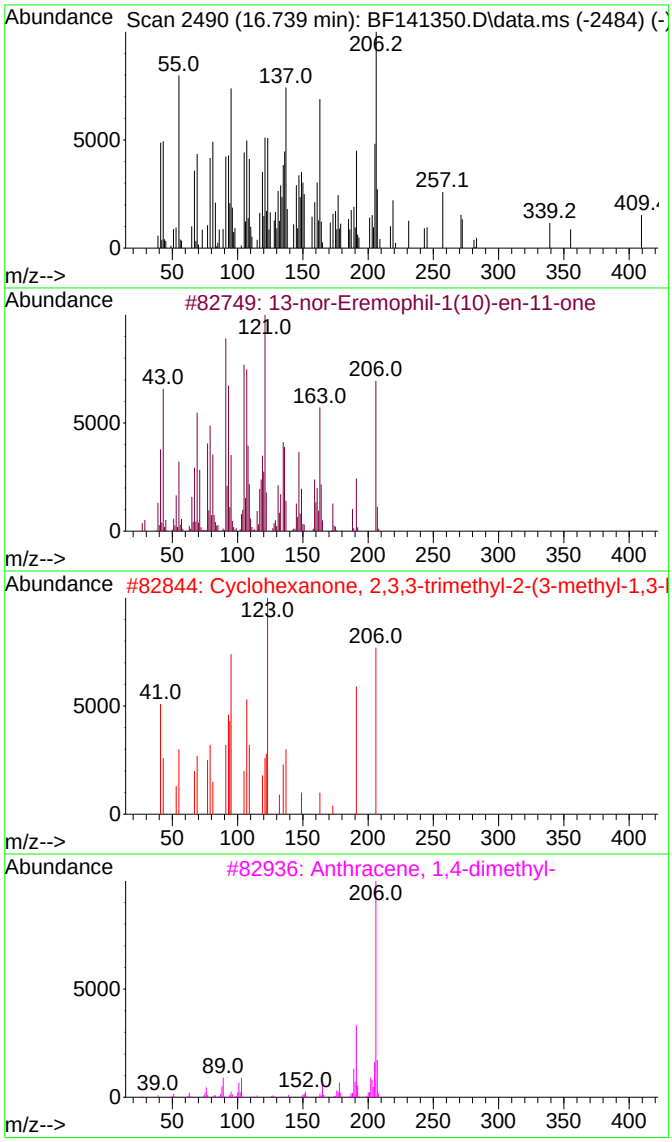
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

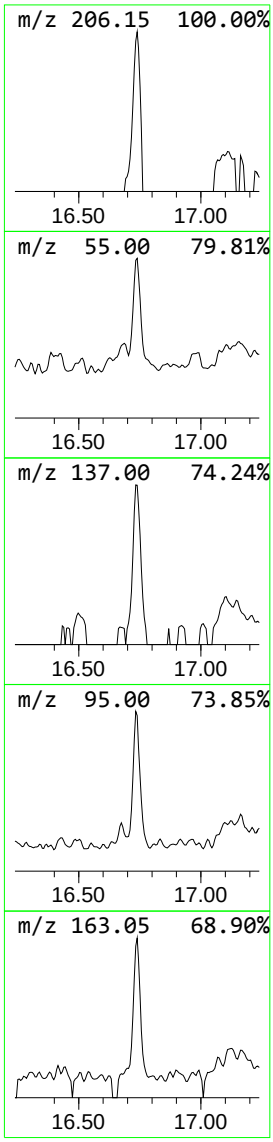
****

Peak Number 7 unknown16.739 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.739	2.36 ng	90729	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-nor-Eremophil-1(10)-en-11-one	206	C14H22O	054275-21-7	35
2	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-91-9	30
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	25
4	Phenanthrene, 7-ethenyl-1,2,3,4,...	272	C20H32	001686-56-2	25
5	1-(2-Hydroxyphenyl)piperazine, N...	206	C12H18N2O	148547-51-7	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-di...	2.152	2.1	ng	97211	1	6.798	910293	20.0
Benzophenone	10.545	2.5	ng	161615	3	9.834	1315880	20.0
n-Hexadecanoic ...	11.857	3.9	ng	216106	4	11.322	1105620	20.0
Hexanedioic aci...	13.457	8.5	ng	371571	5	13.963	872438	20.0
unknown13.869	13.869	2.2	ng	96260	5	13.963	872438	20.0
Eicosane	15.080	2.3	ng	89710	6	15.416	768196	20.0
unknown16.739	16.739	2.4	ng	90729	6	15.416	768196	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Time: Feb 05 00:35:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

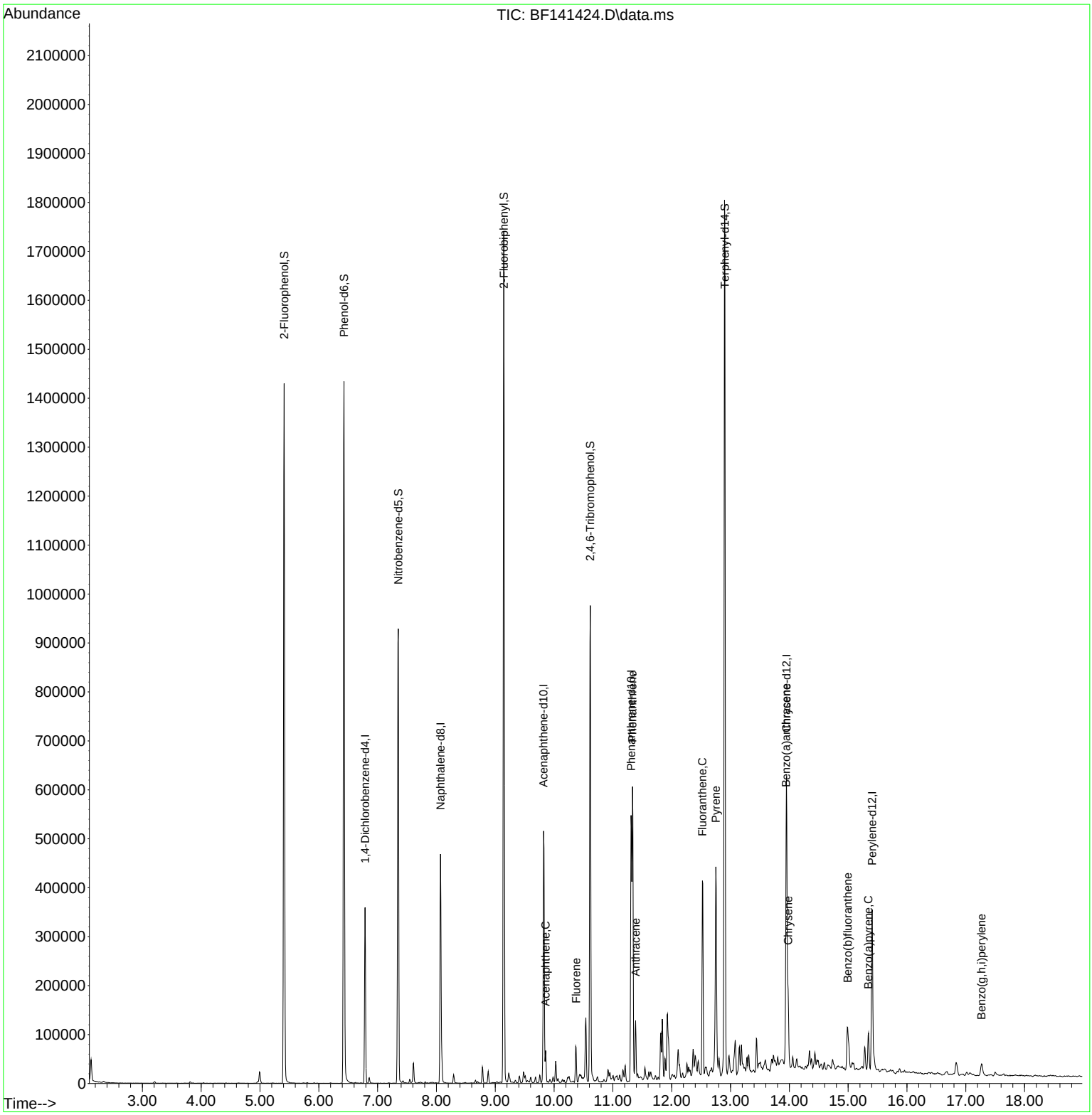
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	70324	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	279899	20.000	ng	#-0.02
39) Acenaphthene-d10	9.822	164	155548	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	272951	20.000	ng	-0.02
76) Chrysene-d12	13.951	240	230042	20.000	ng	-0.02
86) Perylene-d12	15.410	264	197101	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	505129	110.272	ng	0.00
7) Phenol-d6	6.428	99	615541	105.630	ng	-0.01
23) Nitrobenzene-d5	7.351	82	405374	76.349	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	152191	106.725	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	749004	74.116	ng	-0.02
79) Terphenyl-d14	12.904	244	895307	60.021	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.857	154	19323	2.044	ng	94
58) Fluorene	10.375	166	29386	2.993	ng	96
71) Phenanthrene	11.333	178	314087	21.407	ng	100
72) Anthracene	11.386	178	67226	4.676	ng	99
75) Fluoranthene	12.522	202	228292	15.758	ng	98
78) Pyrene	12.751	202	245180	11.103	ng	98
81) Benzo(a)anthracene	13.945	228	96432	6.075	ng	98
83) Chrysene	13.980	228	76948	5.289	ng	98
88) Benzo(b)fluoranthene	14.992	252	57537m	4.641	ng	
90) Benzo(a)pyrene	15.345	252	46939	4.480	ng	97
92) Benzo(g,h,i)perylene	17.268	276	22883	2.150	ng	96

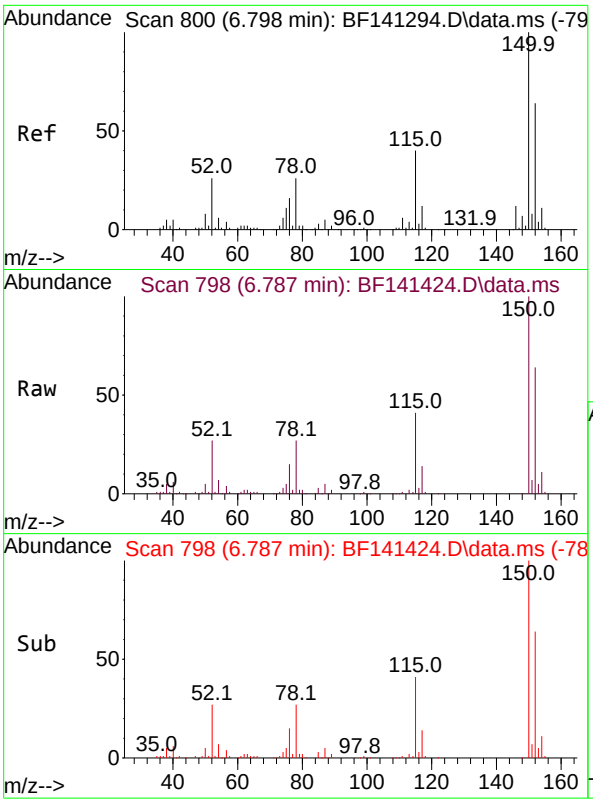
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Time: Feb 05 00:35:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



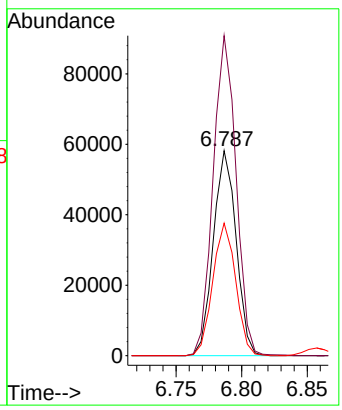


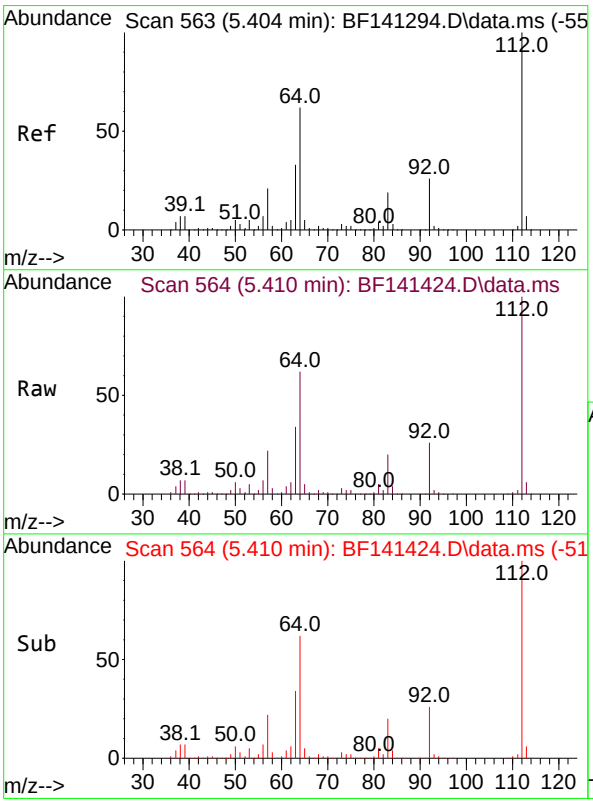
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:152 Resp: 70324

Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.9	188.9
115	64.6	49.7	74.5

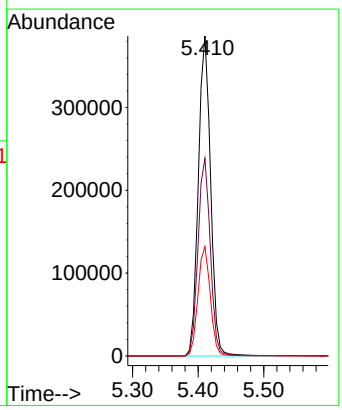


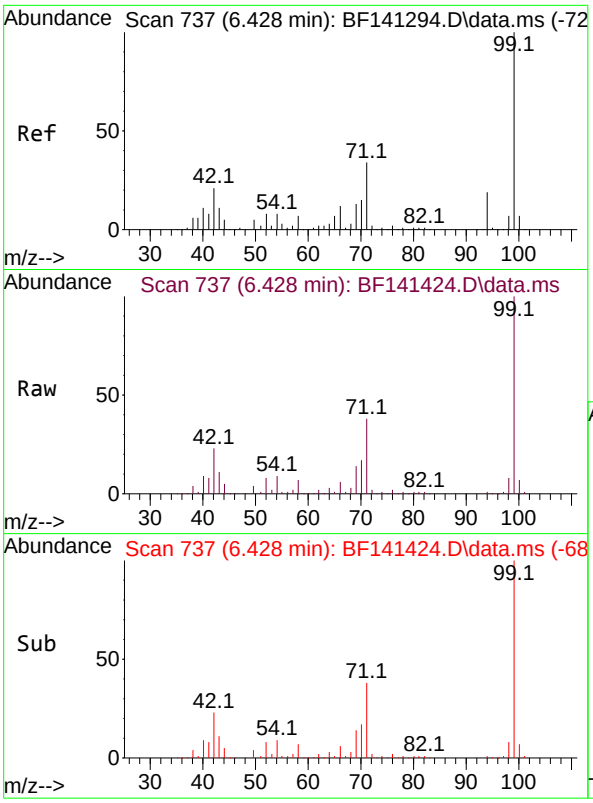


#5
2-Fluorophenol
Concen: 110.272 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:112 Resp: 505129

Ion	Ratio	Lower	Upper
112	100		
64	61.7	49.8	74.8
63	34.1	26.1	39.1



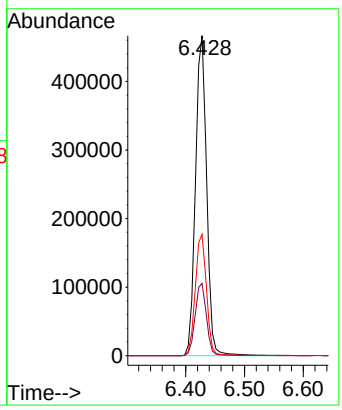


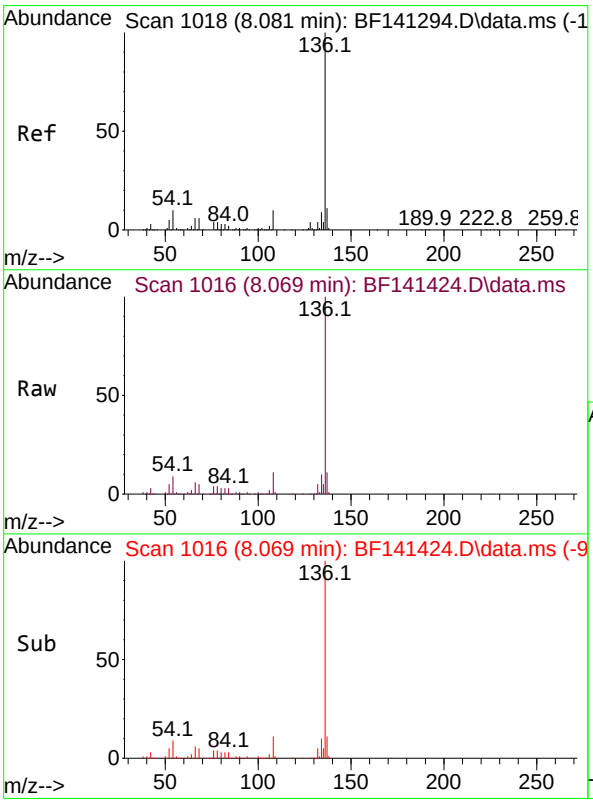
#7
Phenol-d6
Concen: 105.630 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion: 99 Resp: 615541

Ion	Ratio	Lower	Upper
99	100		
42	22.6	17.1	25.7
71	37.9	26.9	40.3

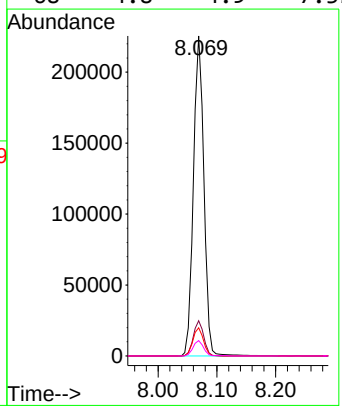


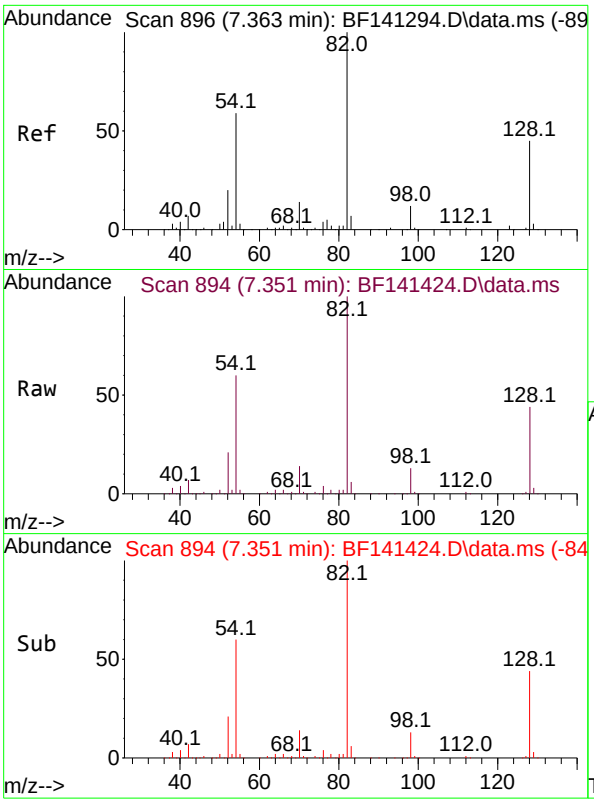


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:136 Resp: 279899

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.8	7.8	11.8
68	4.8	4.9	7.3#



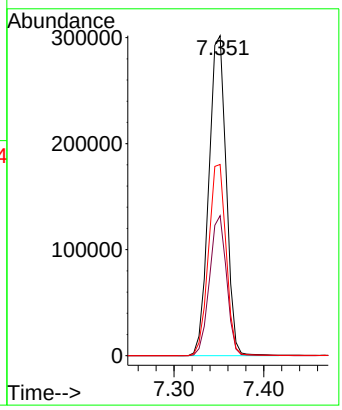


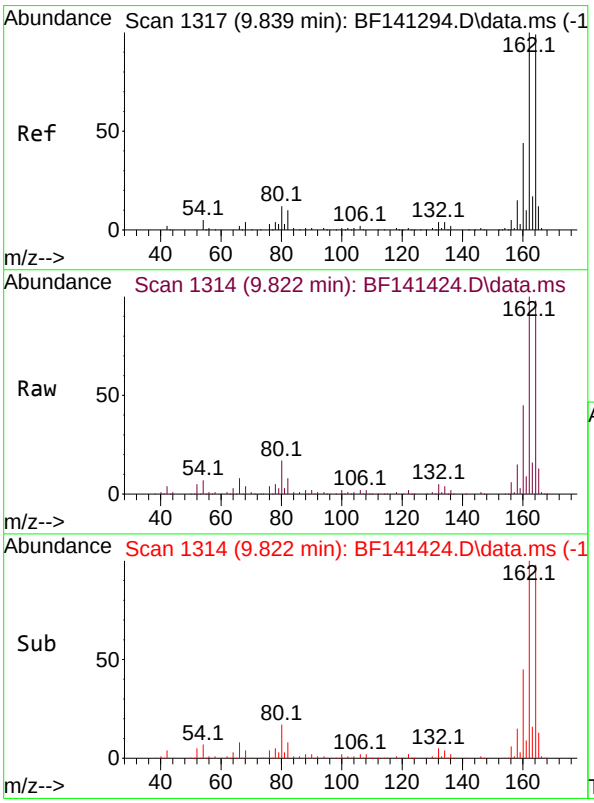
#23
Nitrobenzene-d5
Concen: 76.349 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion: 82 Resp: 405374

Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.7	53.5
54	59.8	47.1	70.7

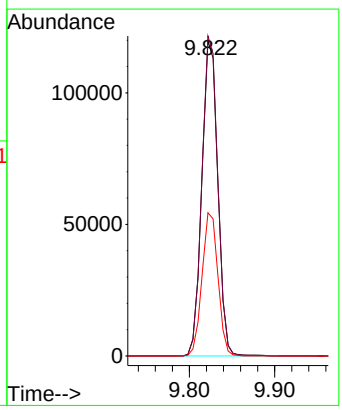


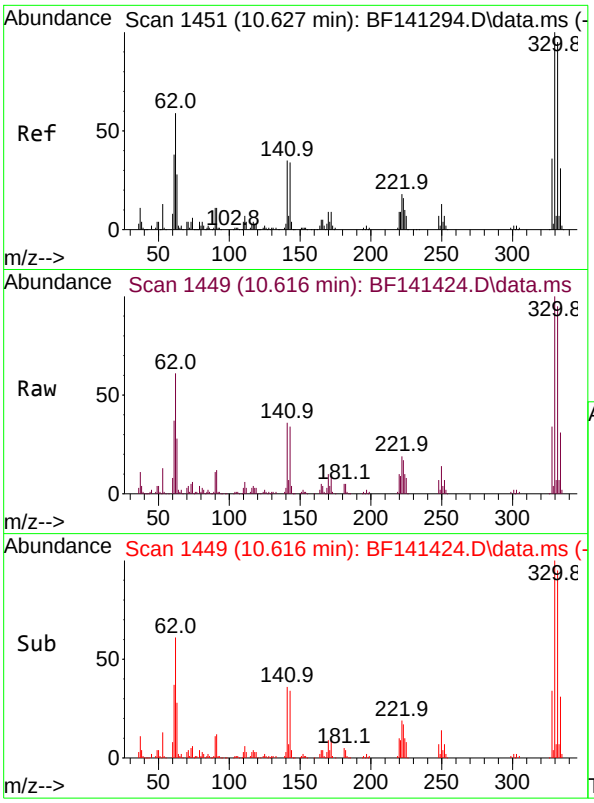


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:164 Resp: 155548

Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	121.0
160	45.5	35.8	53.6



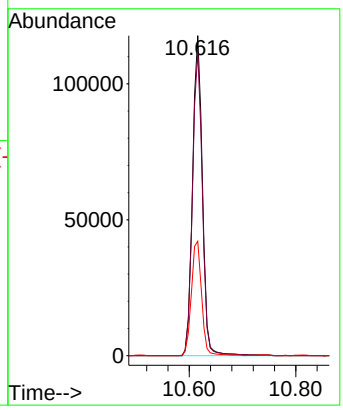


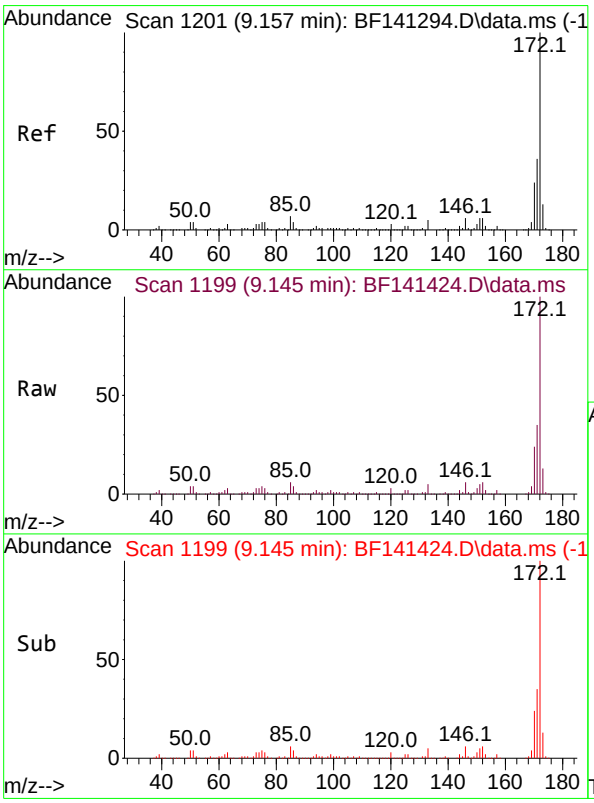
#42
2,4,6-Tribromophenol
Concen: 106.725 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:330 Resp: 152191

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.1	114.1
141	37.3	28.8	43.2

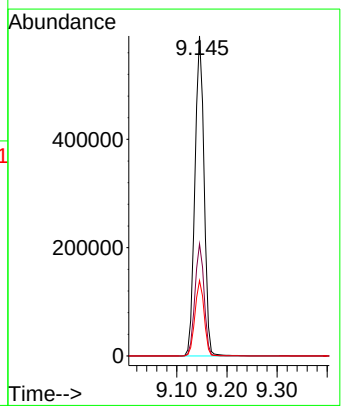


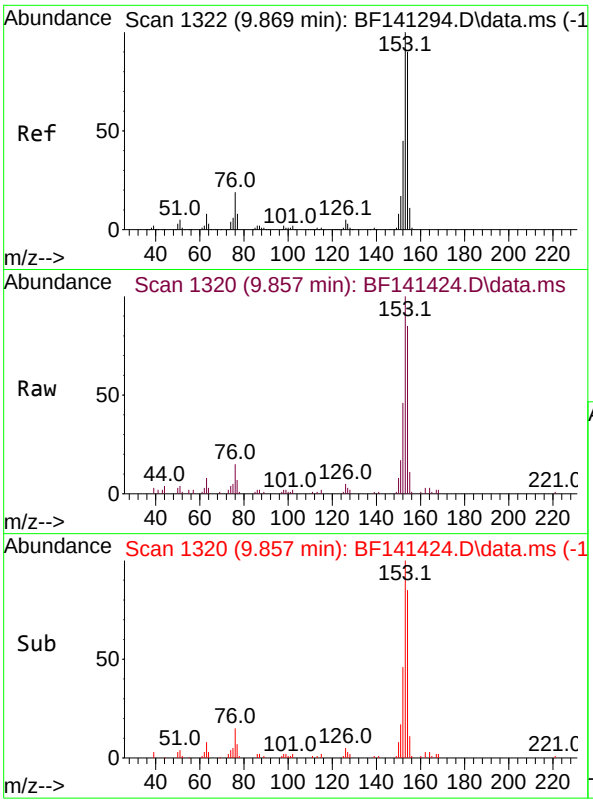


#45
2-Fluorobiphenyl
Concen: 74.116 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:172 Resp: 749004

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.8	43.2
170	23.5	19.0	28.6



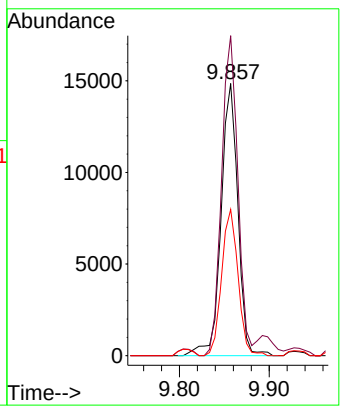


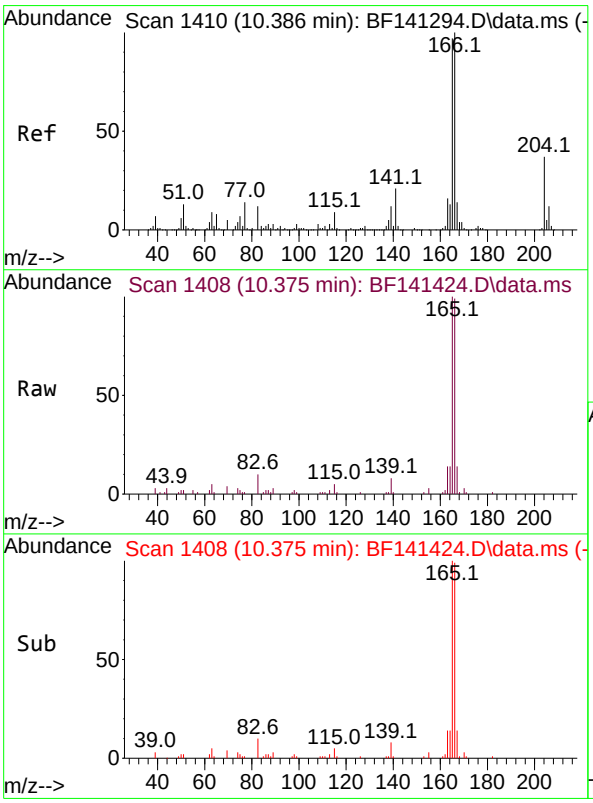
#52
Acenaphthene
Concen: 2.044 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:154 Resp: 19323

Ion	Ratio	Lower	Upper
154	100		
153	117.6	89.0	133.4
152	53.7	40.2	60.4

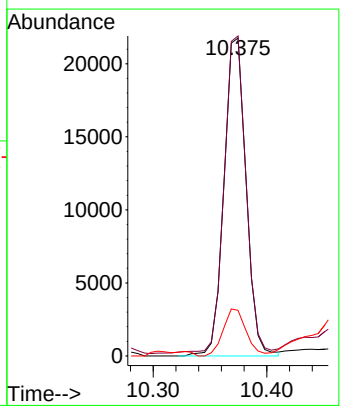


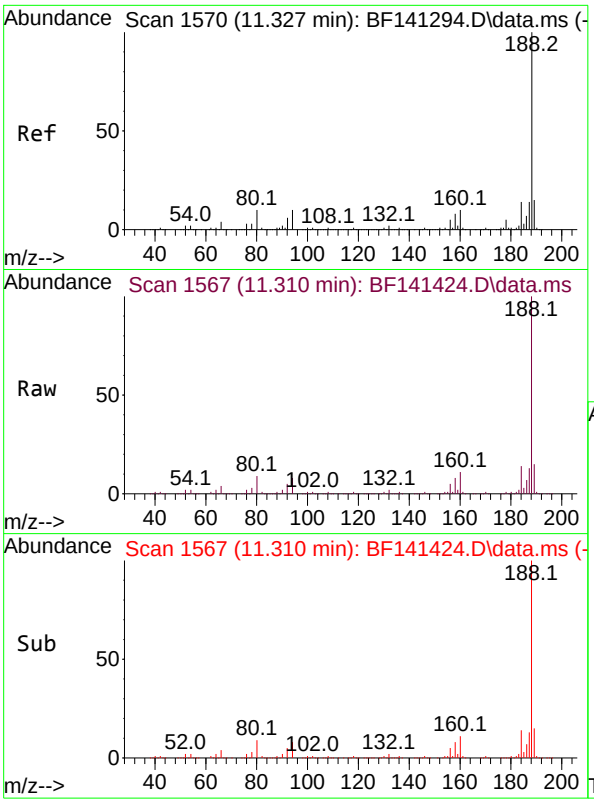


#58
Fluorene
Concen: 2.993 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:166 Resp: 29386

Ion	Ratio	Lower	Upper
166	100		
165	100.7	77.5	116.3
167	14.4	10.9	16.3



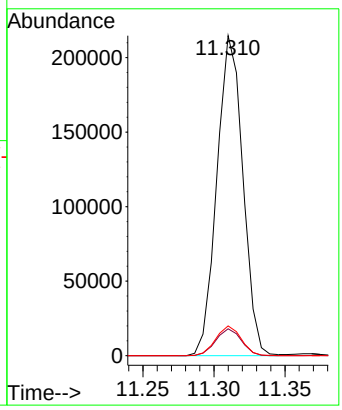


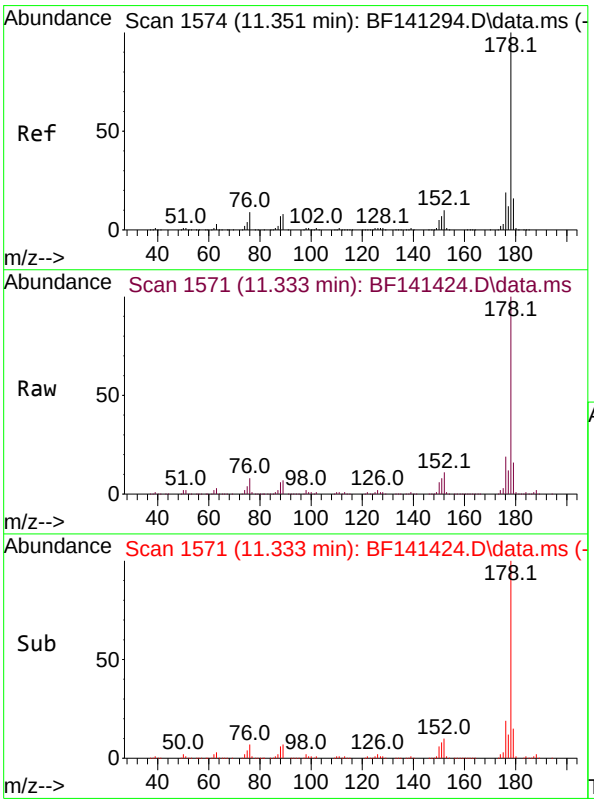
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:188 Resp: 272951

Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.8	11.6
80	9.3	8.2	12.4

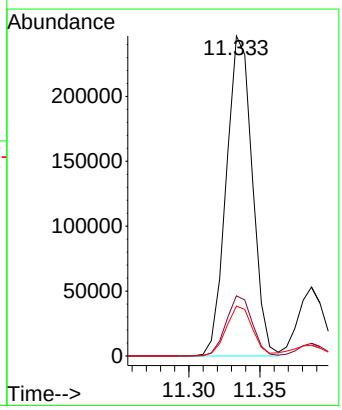


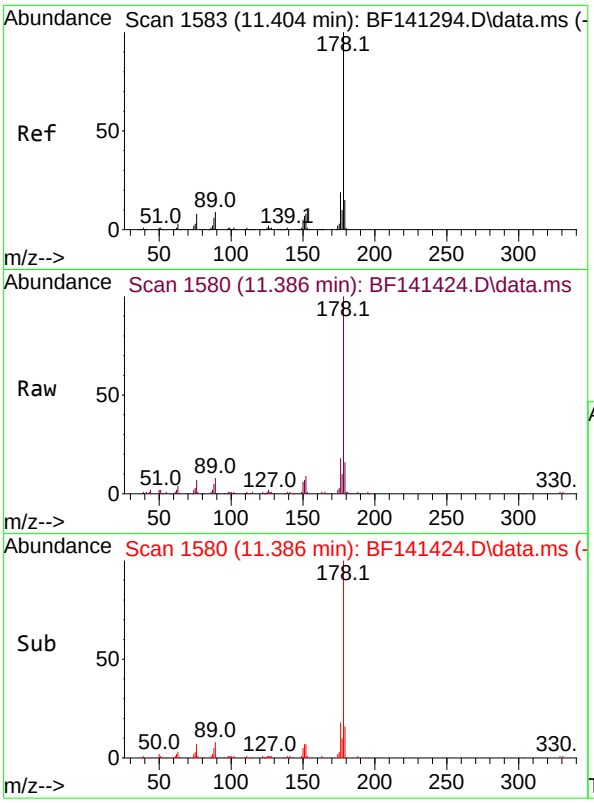


#71
Phenanthrene
Concen: 21.407 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:178 Resp: 314087

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.5	12.5	18.7



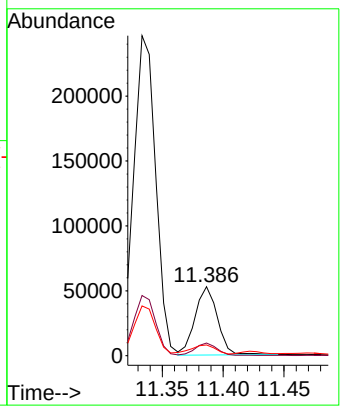


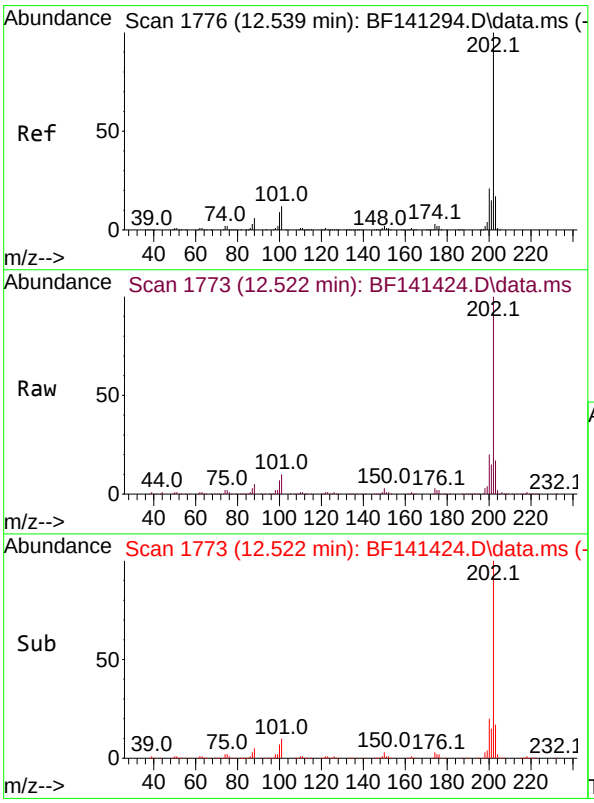
#72
Anthracene
Concen: 4.676 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:178 Resp: 67226

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.6
179	15.6	12.3	18.5

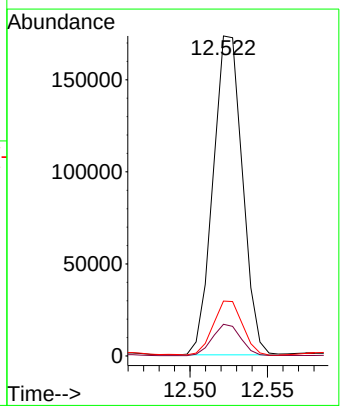


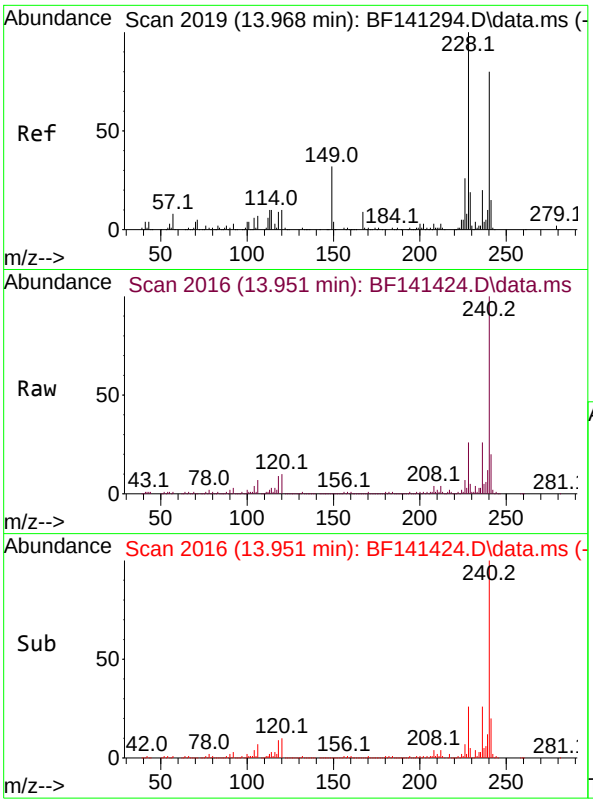


#75
Fluoranthene
Concen: 15.758 ng
RT: 12.522 min Scan# 1773
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:202 Resp: 228292

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.7
203	17.1	0.0	37.5



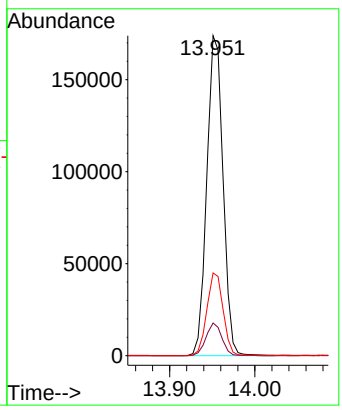


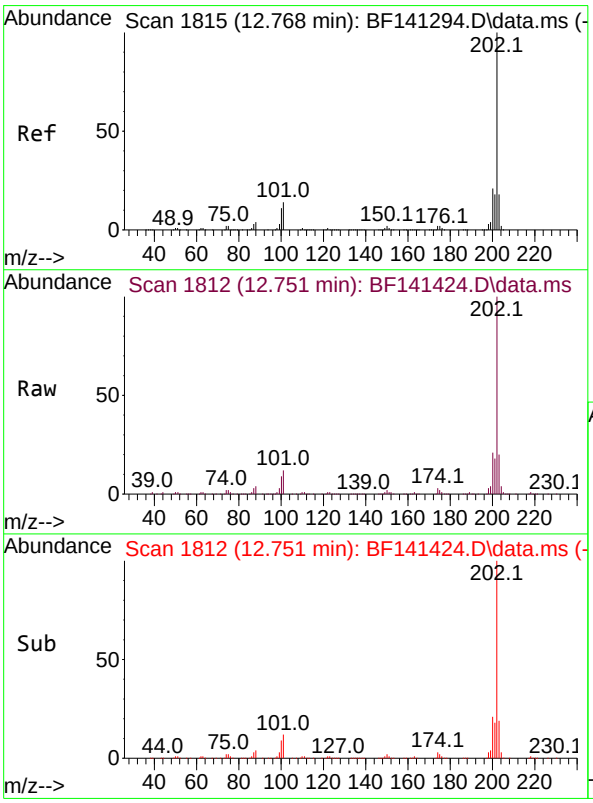
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:240 Resp: 230042

Ion	Ratio	Lower	Upper
240	100		
120	10.2	10.0	15.0
236	25.8	19.7	29.5

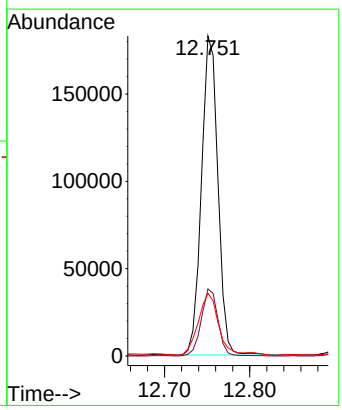


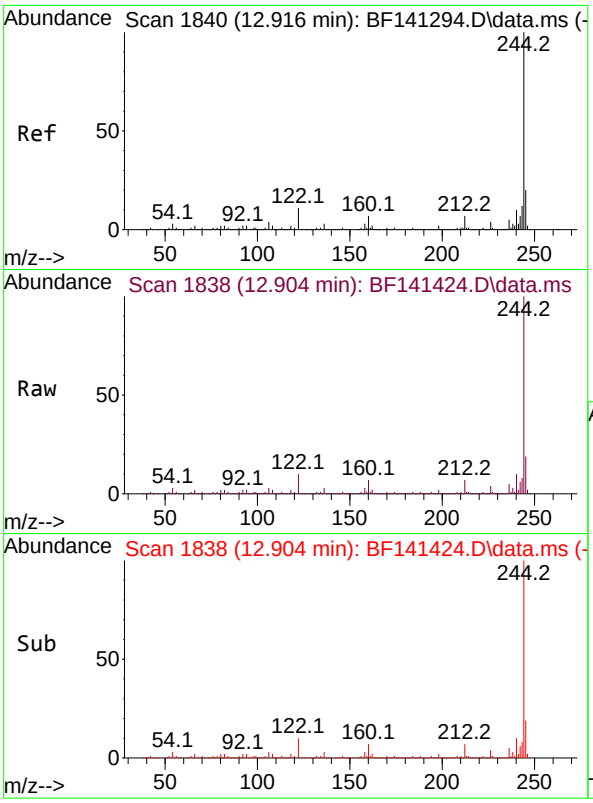


#78
Pyrene
Concen: 11.103 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:202 Resp: 245180

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	19.6	14.3	21.5



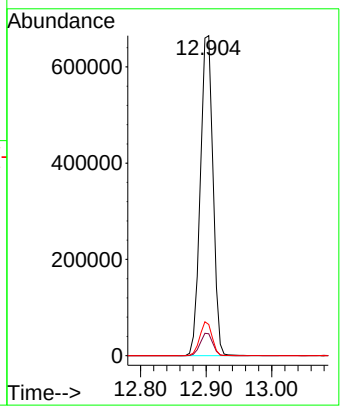


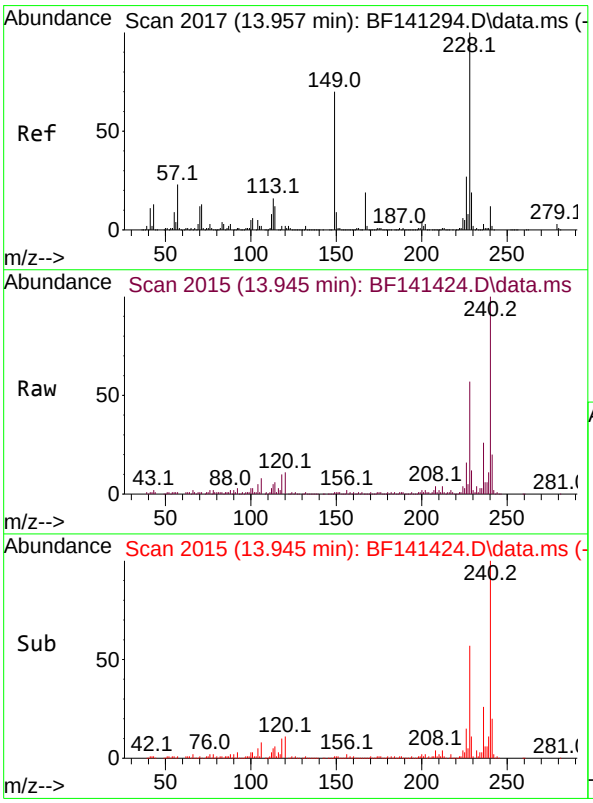
#79
Terphenyl-d14
Concen: 60.021 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:244 Resp: 895307

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.8	8.8	13.2

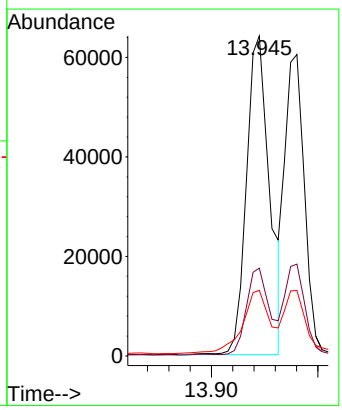


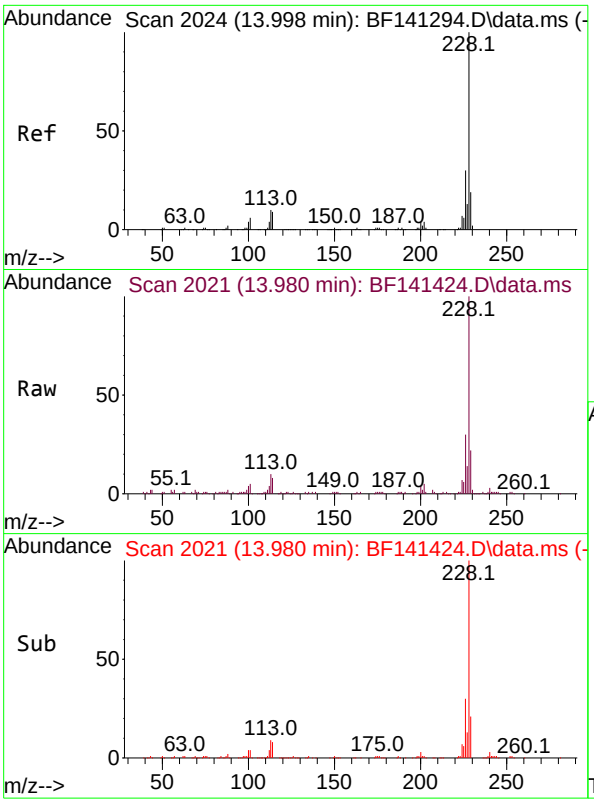


#81
Benzo(a)anthracene
Concen: 6.075 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:228 Resp: 96432

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.2
229	20.5	15.5	23.3



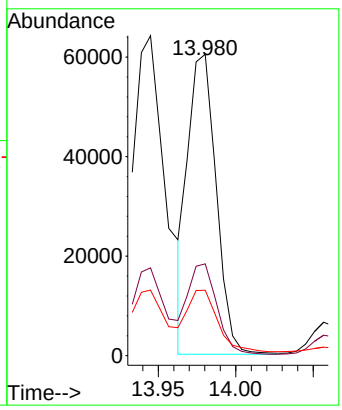


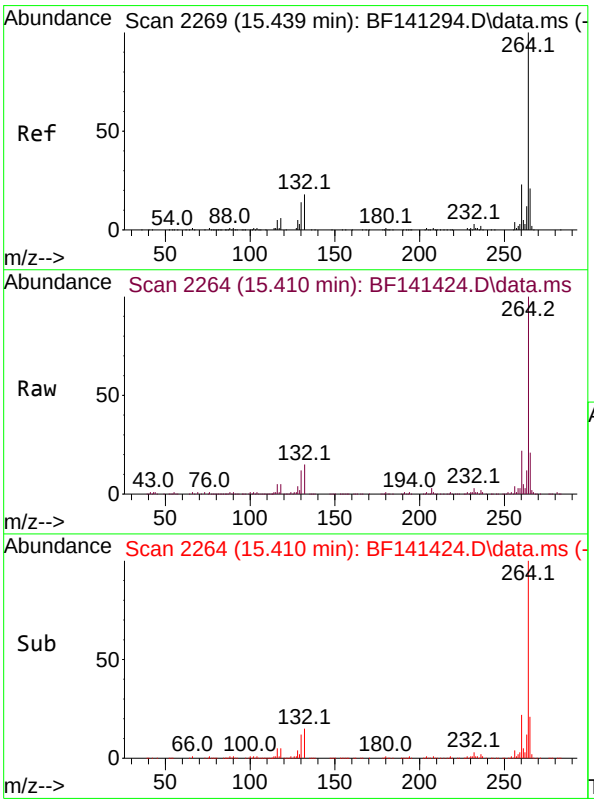
#83
Chrysene
Concen: 5.289 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:228 Resp: 76948

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	21.7	15.6	23.4

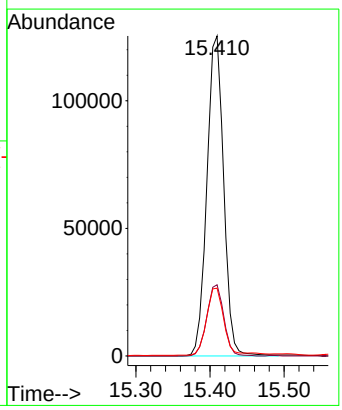


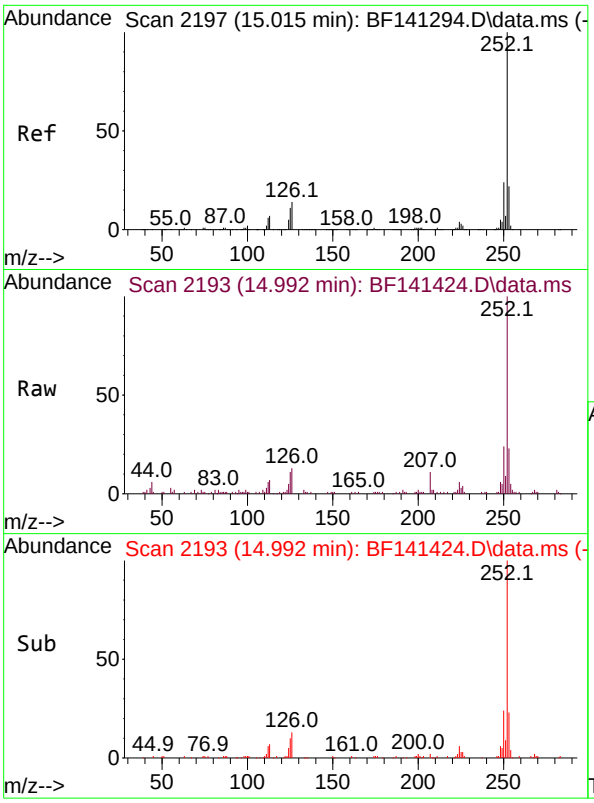


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.029 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:264 Resp: 197101

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.6	27.8
265	21.2	16.7	25.1



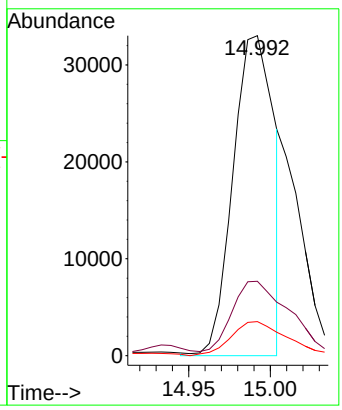


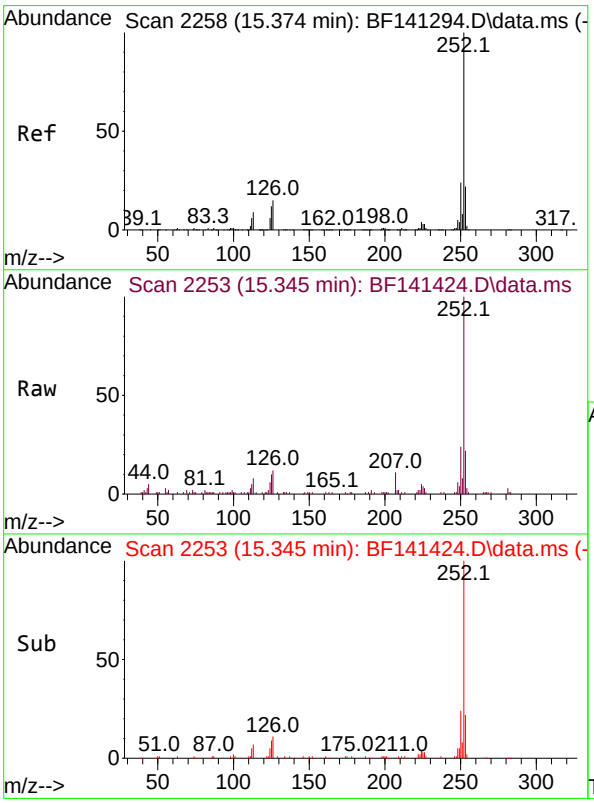
#88
Benzo(b)fluoranthene
Concen: 4.641 ng m
RT: 14.992 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:252 Resp: 57537

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	10.6	8.6	12.8

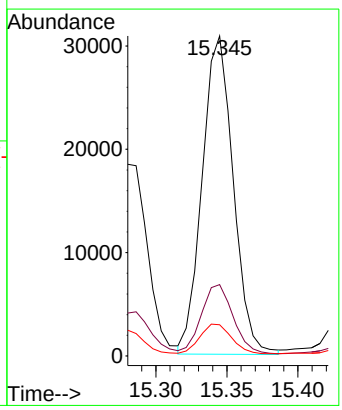


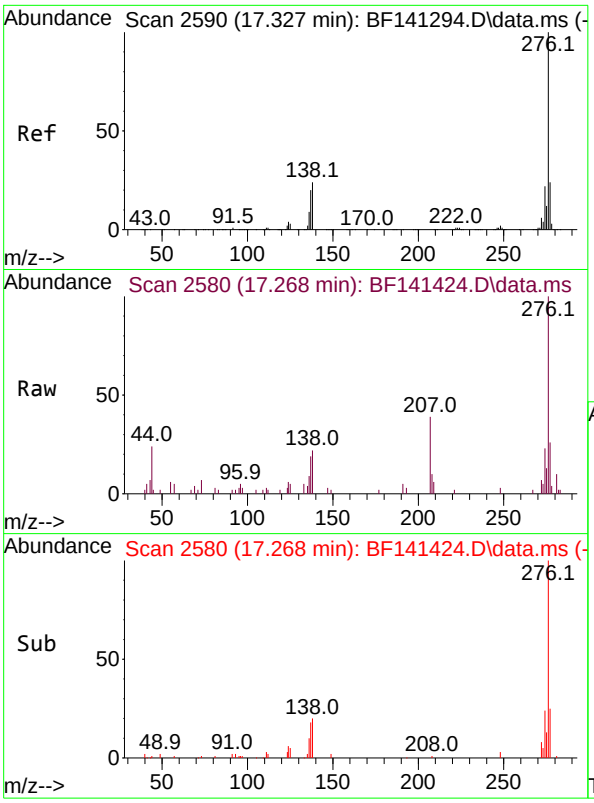


#90
Benzo(a)pyrene
Concen: 4.480 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.035 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:252 Resp: 46939

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	9.8	9.4	14.2



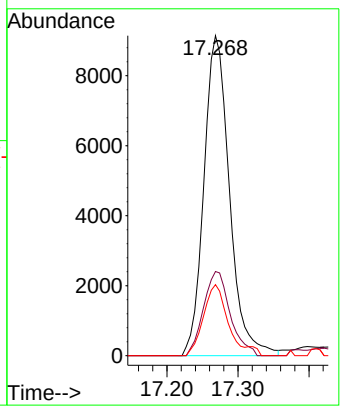


#92
Benzo(g,h,i)perylene
Concen: 2.150 ng
RT: 17.268 min Scan# 2
Delta R.T. -0.077 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:276 Resp: 22883

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	22.2	19.0	28.4



Sample Results: **BF141424.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141424.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	6	20	rVB	44815	69880	2.84%	0.344%
2	4.993	489	493	501	rVB	23213	35934	1.46%	0.177%
3	5.410	558	564	583	rBV	1429840	1876836	76.21%	9.252%
4	6.428	731	737	756	rBV	1433484	1924788	78.16%	9.488%
5	6.787	793	798	803	rBV	358841	433180	17.59%	2.135%
6	7.351	887	894	899	rBV	928282	1241600	50.42%	6.120%
7	7.610	931	938	948	rVB	41091	58094	2.36%	0.286%
8	8.069	1011	1016	1035	rBV	467999	644940	26.19%	3.179%
9	8.781	1130	1137	1145	rVB	32754	40459	1.64%	0.199%
10	8.881	1149	1154	1159	rVB	24049	28778	1.17%	0.142%
11	9.145	1193	1199	1204	rBV	1739459	2188516	88.87%	10.788%
12	9.228	1209	1213	1221	rVB2	17899	30324	1.23%	0.149%
13	9.481	1249	1256	1259	rBV	21986	33039	1.34%	0.163%
14	9.822	1307	1314	1318	rBV	513705	679373	27.59%	3.349%
15	9.857	1318	1320	1324	rVB	63897	65821	2.67%	0.324%
16	10.028	1345	1349	1353	rBV	41712	52529	2.13%	0.259%
17	10.369	1403	1407	1412	rBV	73921	97959	3.98%	0.483%
18	10.433	1412	1418	1421	rBV	15462	31104	1.26%	0.153%
19	10.539	1431	1436	1441	rVB2	129549	168887	6.86%	0.833%
20	10.616	1443	1449	1461	rBV	972138	1294173	52.55%	6.380%
21	10.916	1494	1500	1503	rBV2	24285	41336	1.68%	0.204%
22	11.169	1538	1543	1547	rBV3	23406	40867	1.66%	0.201%
23	11.210	1547	1550	1557	rVB	32717	42475	1.72%	0.209%
24	11.310	1562	1567	1569	rBV	543381	718683	29.18%	3.543%
25	11.333	1569	1571	1576	rVV	593766	699846	28.42%	3.450%
26	11.386	1576	1580	1584	rVB	113514	141981	5.77%	0.700%
27	11.545	1601	1607	1615	rBV	25027	40746	1.65%	0.201%
28	11.816	1648	1653	1655	rBV	94190	136099	5.53%	0.671%
29	11.839	1655	1657	1662	rVV	122182	143676	5.83%	0.708%
30	11.886	1662	1665	1668	rVV	40703	54564	2.22%	0.269%
31	11.927	1668	1672	1681	rVB2	134034	278648	11.32%	1.374%
32	12.110	1695	1703	1712	rBV2	58964	126138	5.12%	0.622%
33	12.257	1722	1728	1731	rBV	29308	44050	1.79%	0.217%
34	12.363	1741	1746	1749	rBV	54315	77765	3.16%	0.383%
35	12.398	1749	1752	1758	rVV2	39455	75958	3.08%	0.374%
36	12.451	1758	1761	1768	rVB3	28717	44961	1.83%	0.222%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.522	1768	1773	1778	rBV	396626	525642	21.34%	2.591%
38	12.751	1802	1812	1818	rBV	419128	646153	26.24%	3.185%
39	12.804	1818	1821	1826	rVB3	36162	52713	2.14%	0.260%
40	12.898	1827	1837	1845	rBV	1788857	2462607	100.00%	12.139%
41	12.974	1845	1850	1857	rBV2	36700	65029	2.64%	0.321%
42	13.080	1861	1868	1872	rVB	70429	134129	5.45%	0.661%
43	13.151	1872	1880	1883	rBV	56535	92414	3.75%	0.456%
44	13.186	1883	1886	1889	rBV	42160	47077	1.91%	0.232%
45	13.280	1898	1902	1904	rBV2	26789	33744	1.37%	0.166%
46	13.310	1904	1907	1912	rVB2	33794	40640	1.65%	0.200%
47	13.439	1925	1929	1933	rBV	68893	95157	3.86%	0.469%
48	13.704	1968	1974	1976	rBV3	24869	44552	1.81%	0.220%
49	13.951	2009	2016	2028	rVB2	593709	1108295	45.00%	5.463%
50	14.057	2031	2034	2041	rVB	22724	29545	1.20%	0.146%
51	14.339	2079	2082	2086	rBV	28958	38292	1.55%	0.189%
52	14.433	2093	2098	2102	rBV3	31215	49738	2.02%	0.245%
53	14.733	2145	2149	2158	rVB4	19073	38984	1.58%	0.192%
54	14.986	2187	2192	2201	rBV	87540	205729	8.35%	1.014%
55	15.280	2238	2242	2248	rVB	45538	69611	2.83%	0.343%
56	15.345	2248	2253	2258	rVV	74363	113072	4.59%	0.557%
57	15.410	2258	2264	2276	rVB	327051	561206	22.79%	2.766%
58	16.833	2501	2506	2515	rVB2	26329	63458	2.58%	0.313%
59	17.268	2574	2580	2595	rVB	24484	64241	2.61%	0.317%

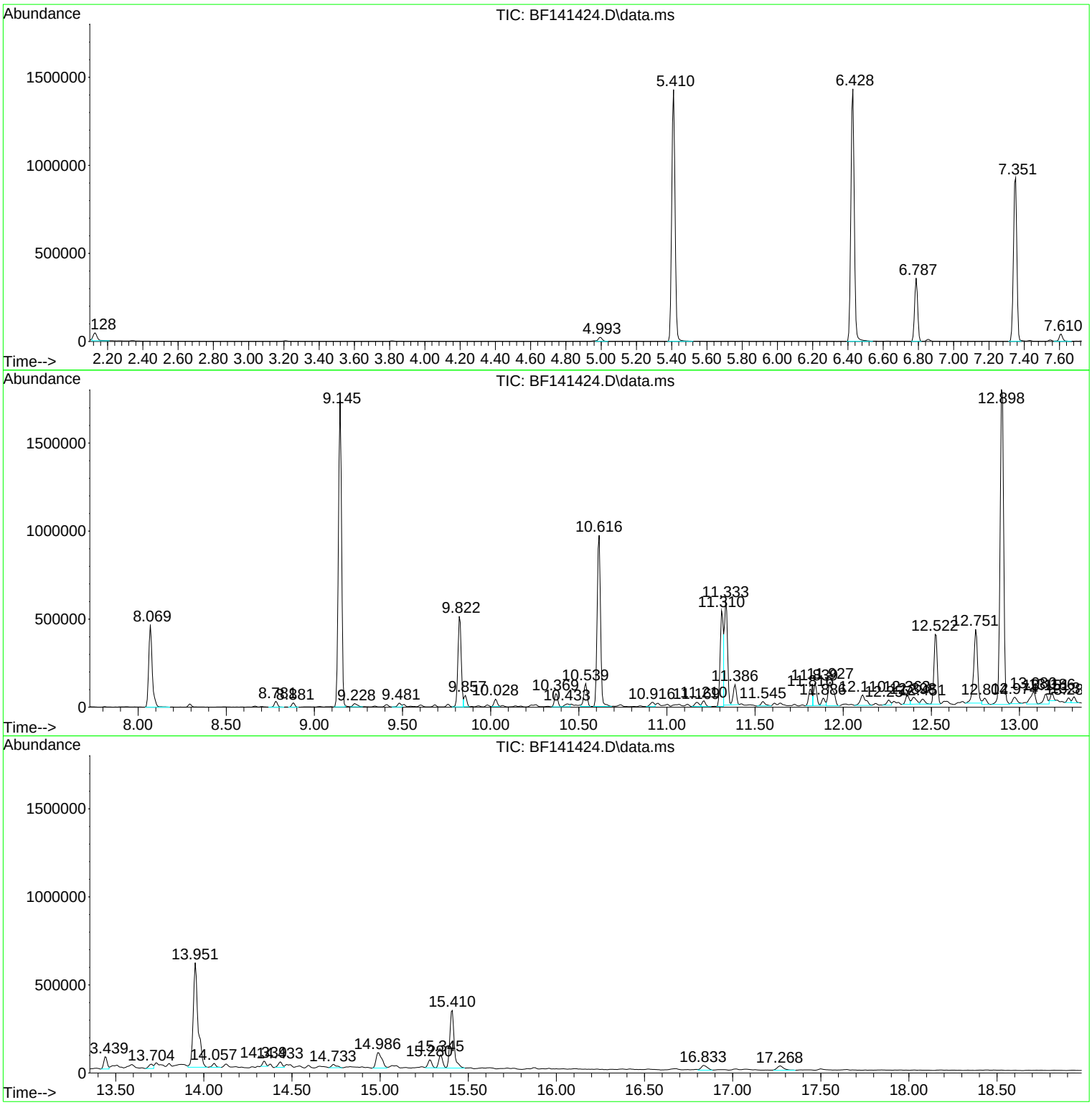
Sum of corrected areas: 20286035

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

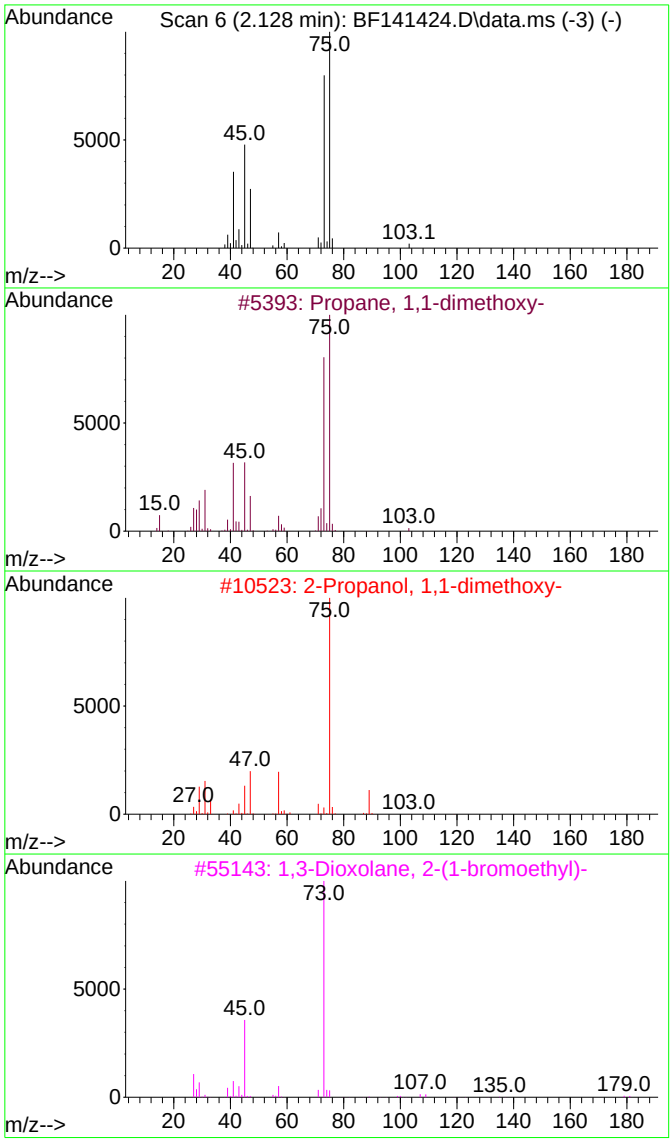
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

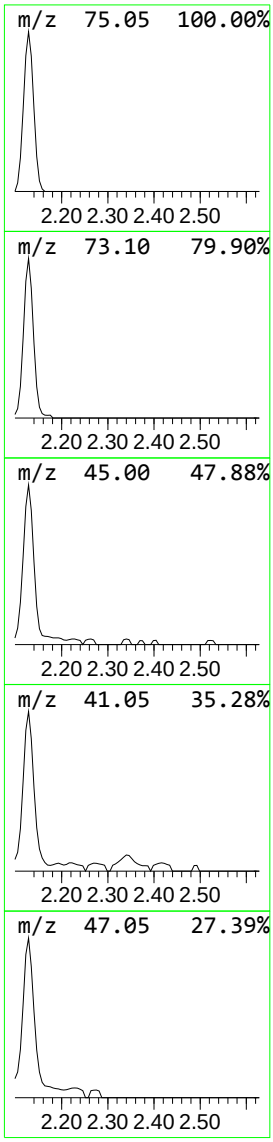
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	3.23 ng	69880	1,4-Dichlorobenzene-d4	6.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	64
2	2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	42
3	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	22
4	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	10
5	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

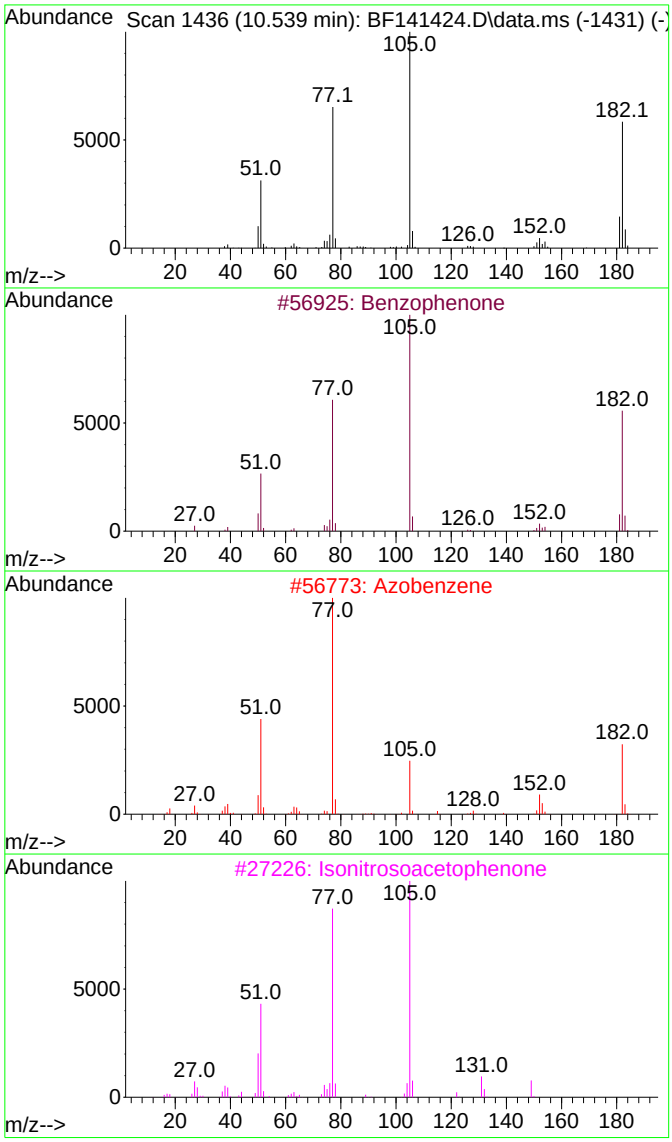
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

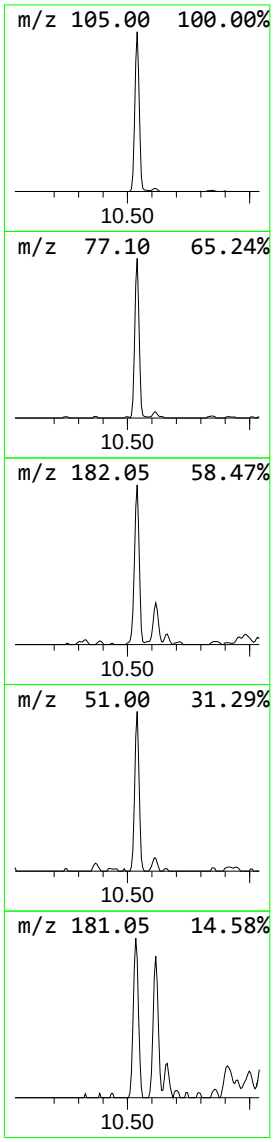
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	4.97 ng	168887	Acenaphthene-d10	9.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Isonitrosoacetophenone	149	C8H7NO2	000532-54-7	47
4	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

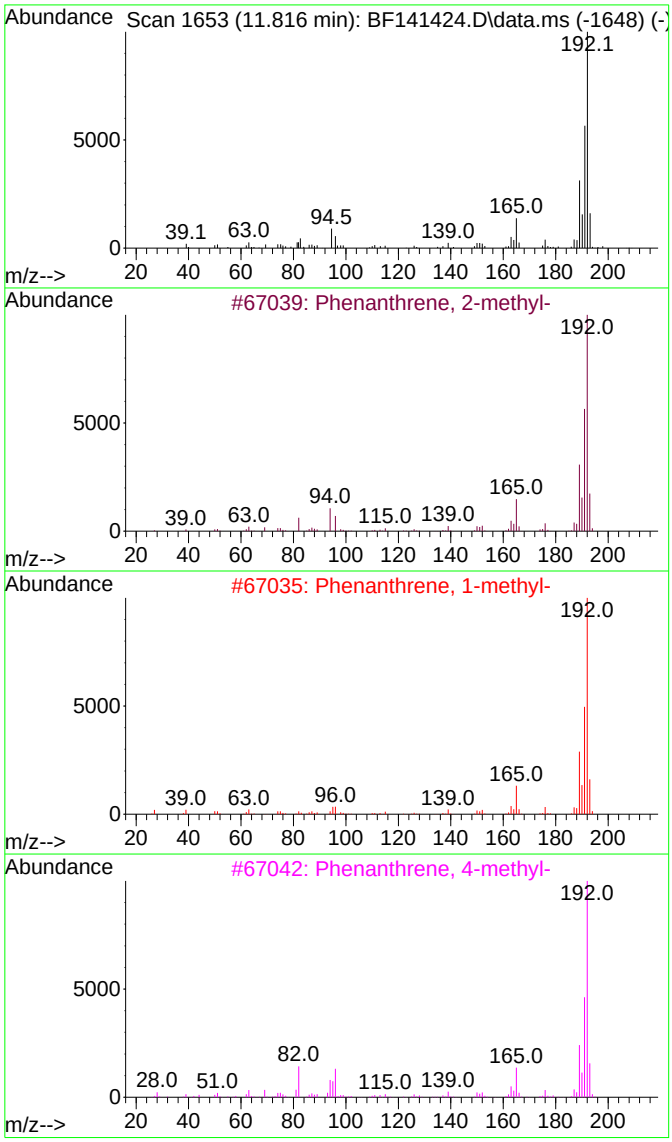
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

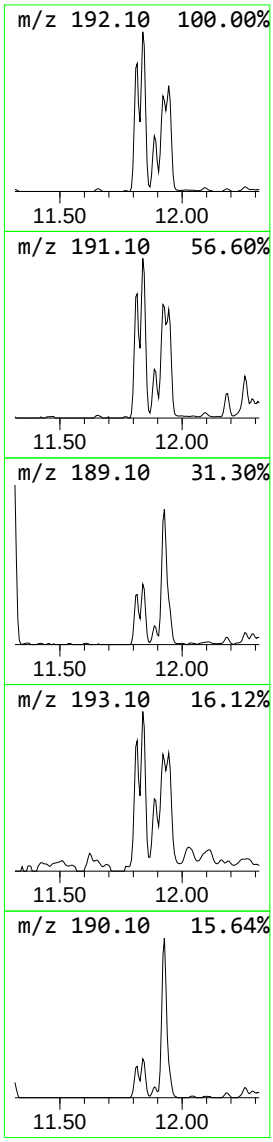
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	3.79 ng	136099	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

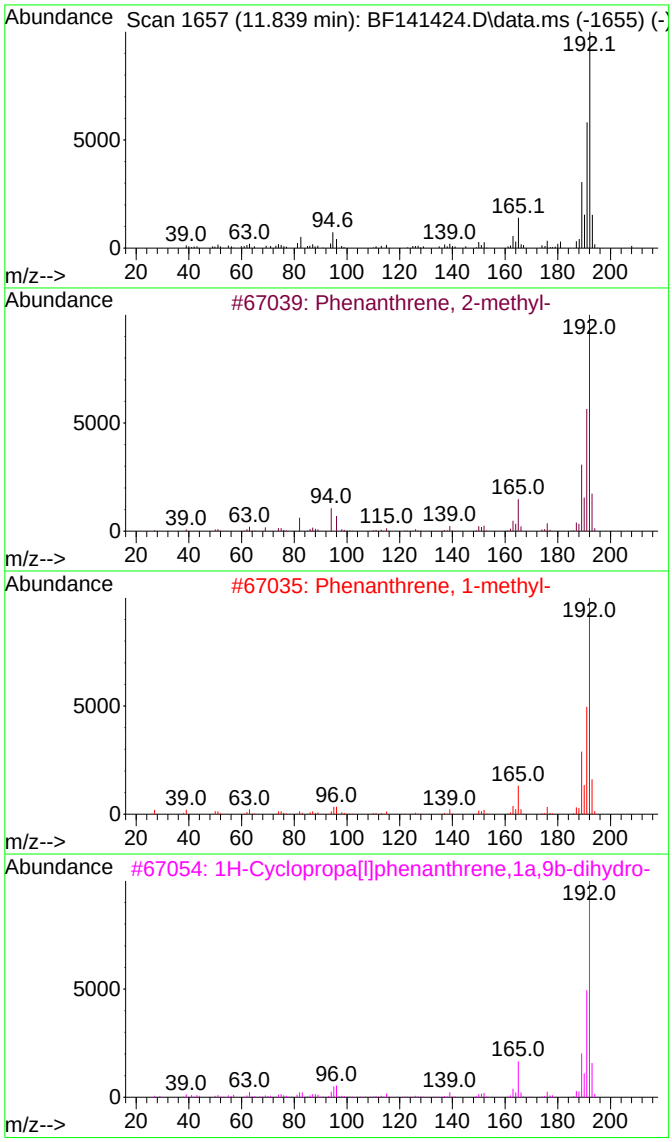
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

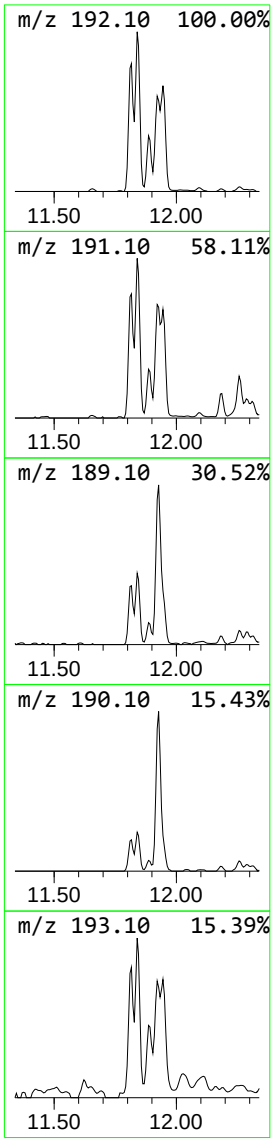
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	4.00 ng	143676	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

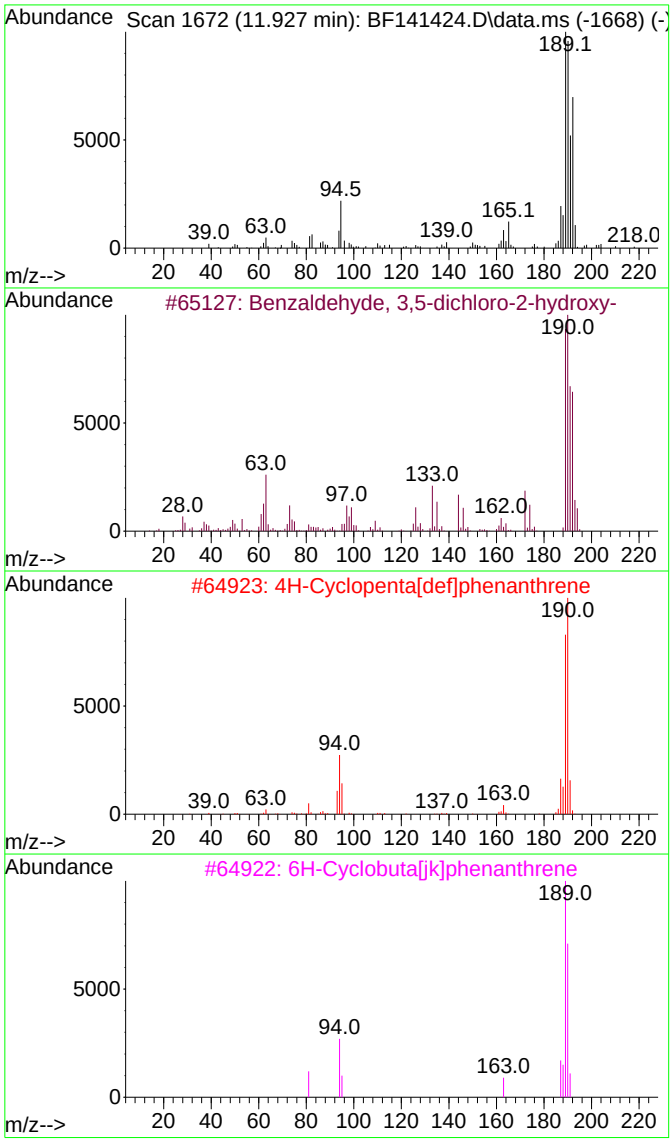
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

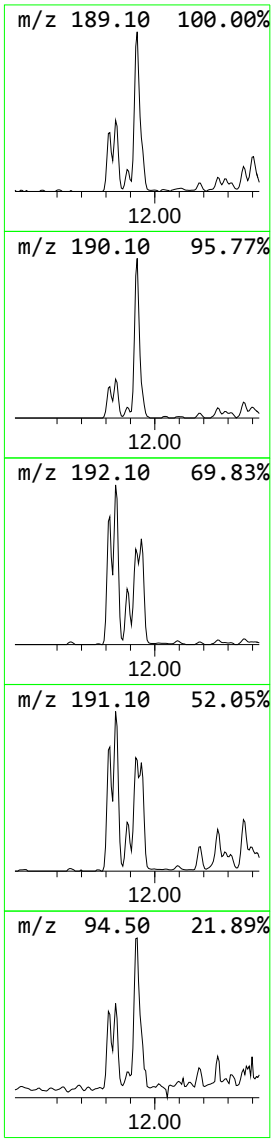
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	7.75 ng	278648	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25





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Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

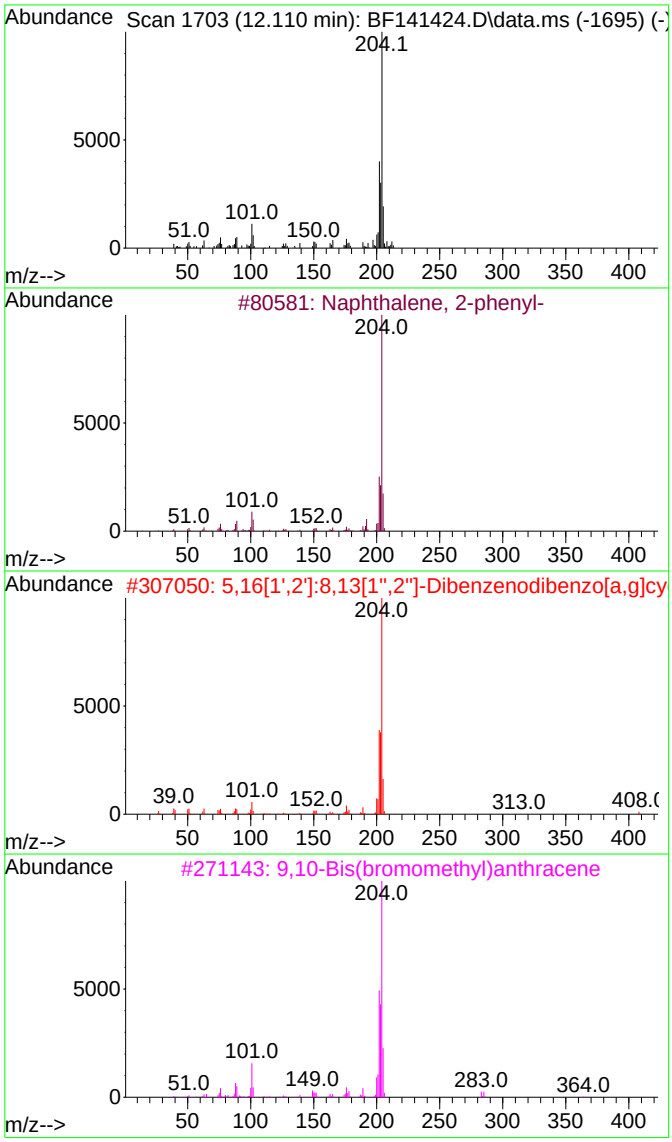
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

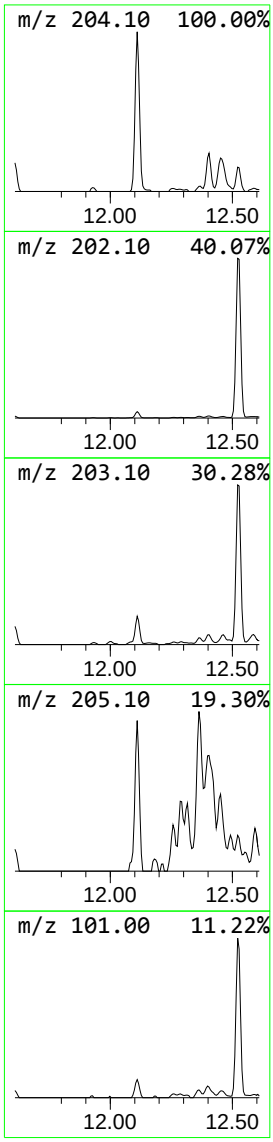
****

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	3.51 ng	126138	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68





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Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

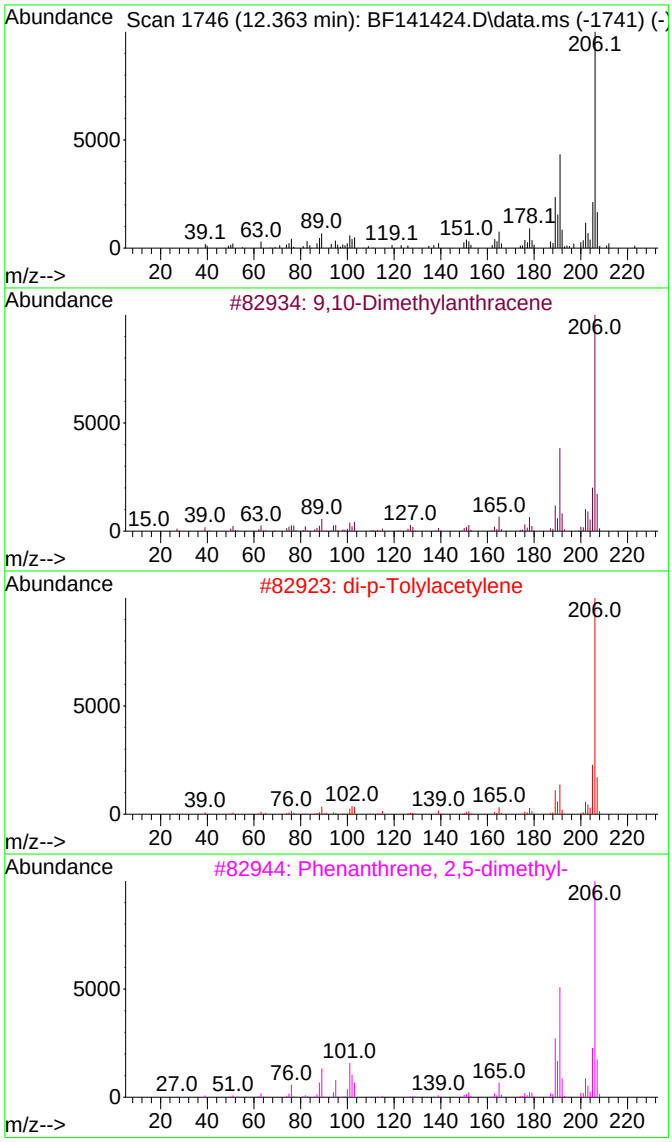
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

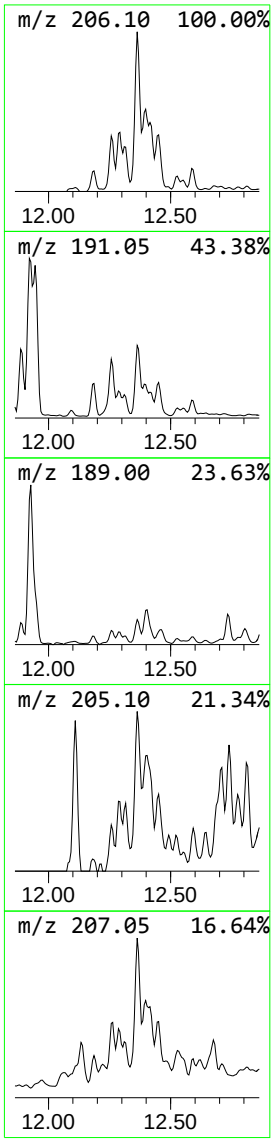
****

Peak Number 7 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	2.16 ng	77765	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

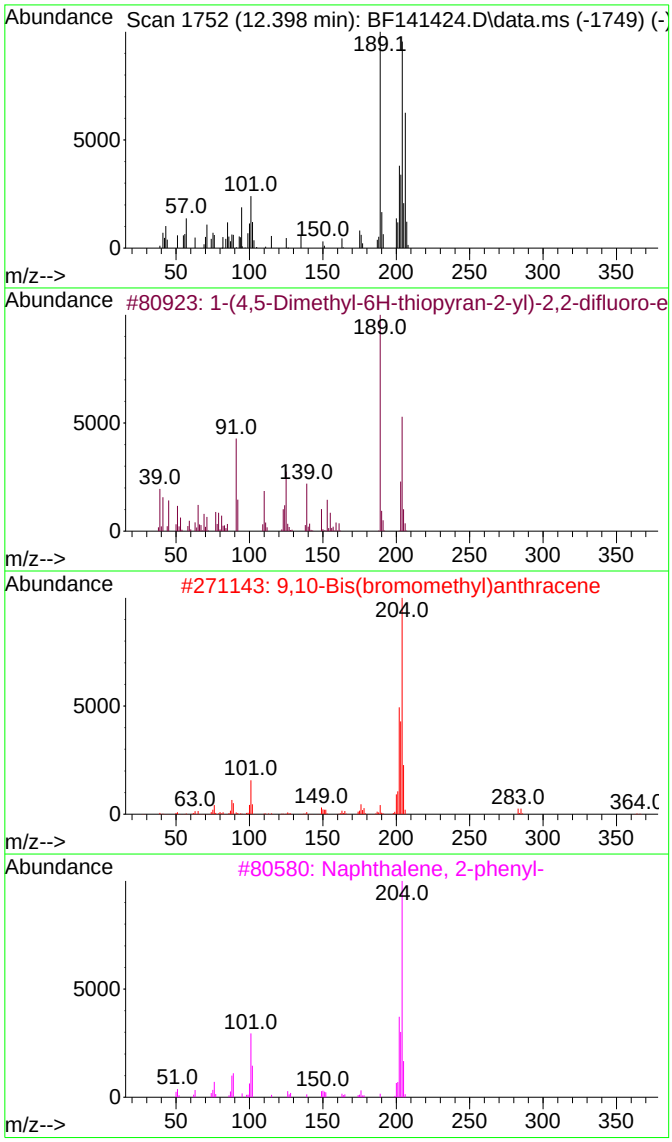
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

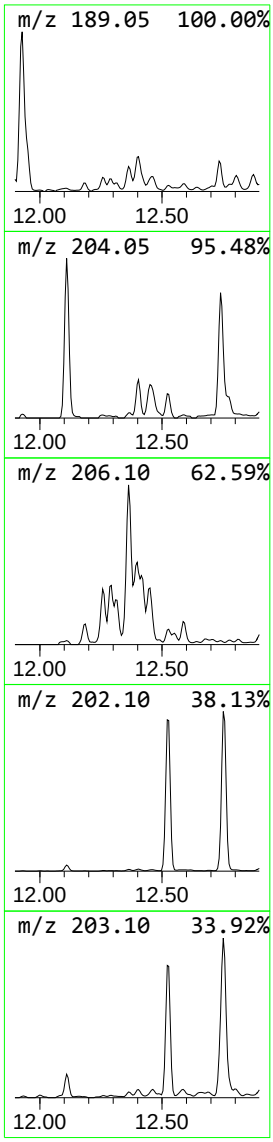
****

Peak Number 8 unknown12.398 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.398	2.11 ng	75958	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	49
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
4	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	005951-61-1	46
5	3,4-Dihydrocoumarin, 4,4-dimethy...	204	C13H16O2	029423-74-3	43





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Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

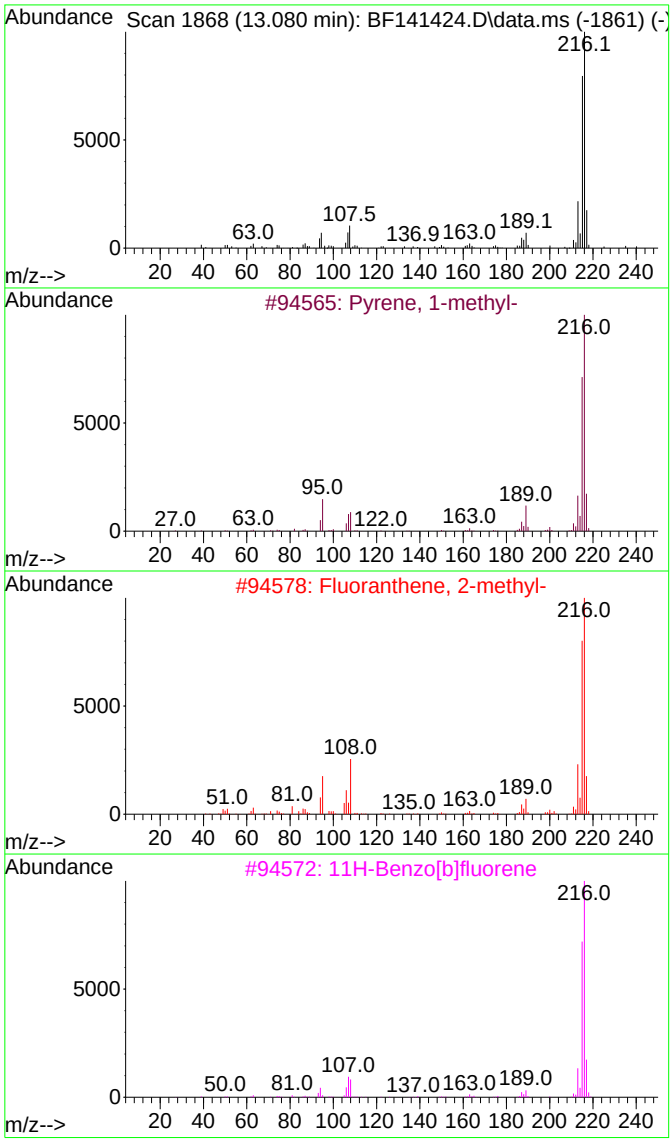
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

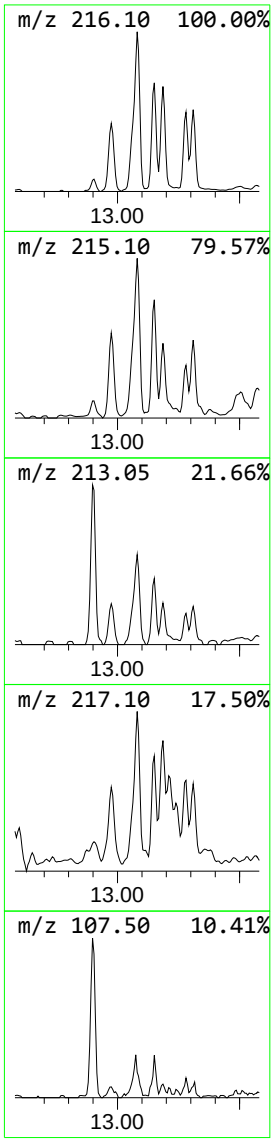
****

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.080	2.42 ng	134129	Chrysene-d12	13.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

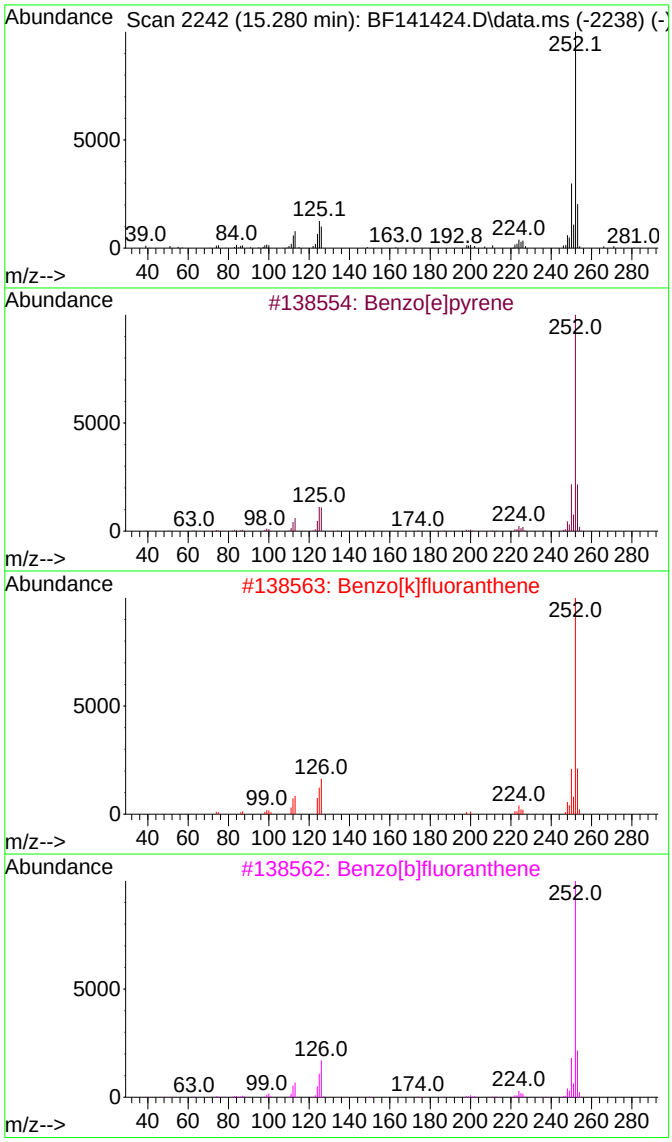
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

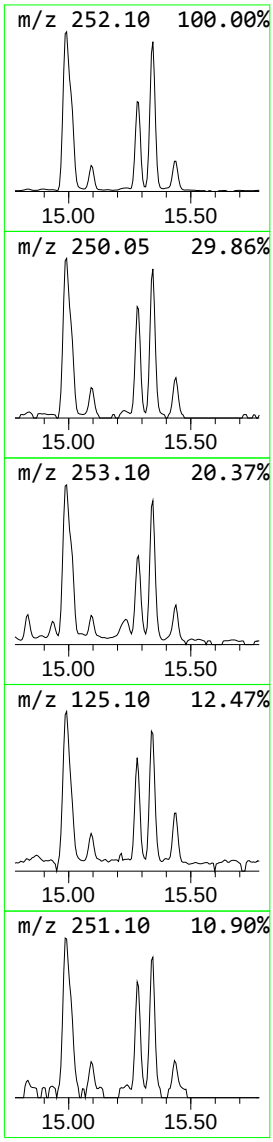
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	2.48 ng	69611	Perylene-d12	15.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





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Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

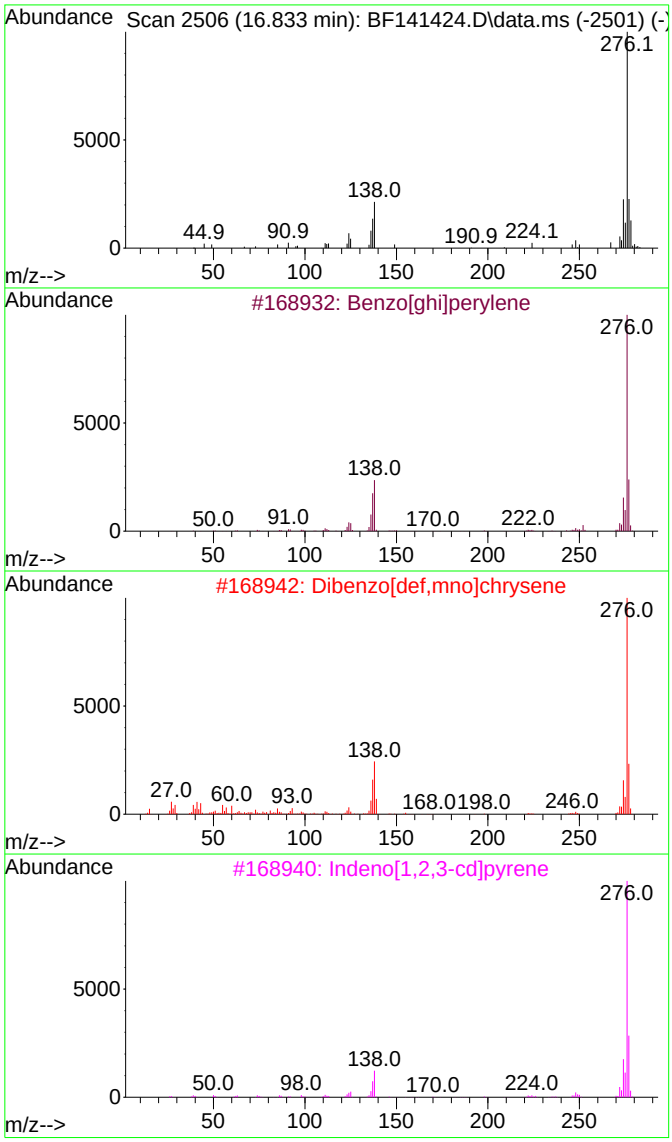
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

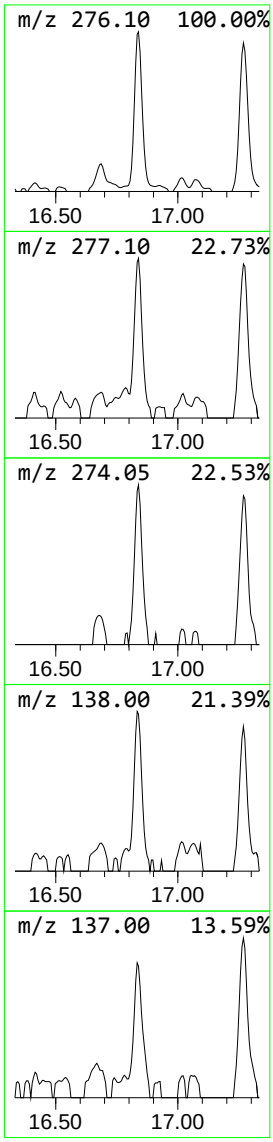
****

Peak Number 11 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.833	2.26 ng	63458	Perylene-d12	15.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	76
5	acetonitrile, 2-(3,4-diphenyl-2(...	276	C17H12N2S	1000397-07-9	50





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Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-di...	2.128	3.2	ng	69880	1	6.787	433180	20.0
Benzophenone	10.539	5.0	ng	168887	3	9.822	679373	20.0
Phenanthrene, 2...	11.816	3.8	ng	136099	4	11.310	718683	20.0
Phenanthrene, 1...	11.839	4.0	ng	143676	4	11.310	718683	20.0
Benzaldehyde, 3...	11.928	7.8	ng	278648	4	11.310	718683	20.0
Naphthalene, 2-...	12.110	3.5	ng	126138	4	11.310	718683	20.0
9,10-Dimethylan...	12.363	2.2	ng	77765	4	11.310	718683	20.0
unknown12.398	12.398	2.1	ng	75958	4	11.310	718683	20.0
Pyrene, 1-methyl-	13.080	2.4	ng	134129	5	13.951	1108300	20.0
Benzo[e]pyrene	15.280	2.5	ng	69611	6	15.410	561206	20.0
Dibenzo[def,mno...	16.833	2.3	ng	63458	6	15.410	561206	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Time: Feb 01 00:57:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

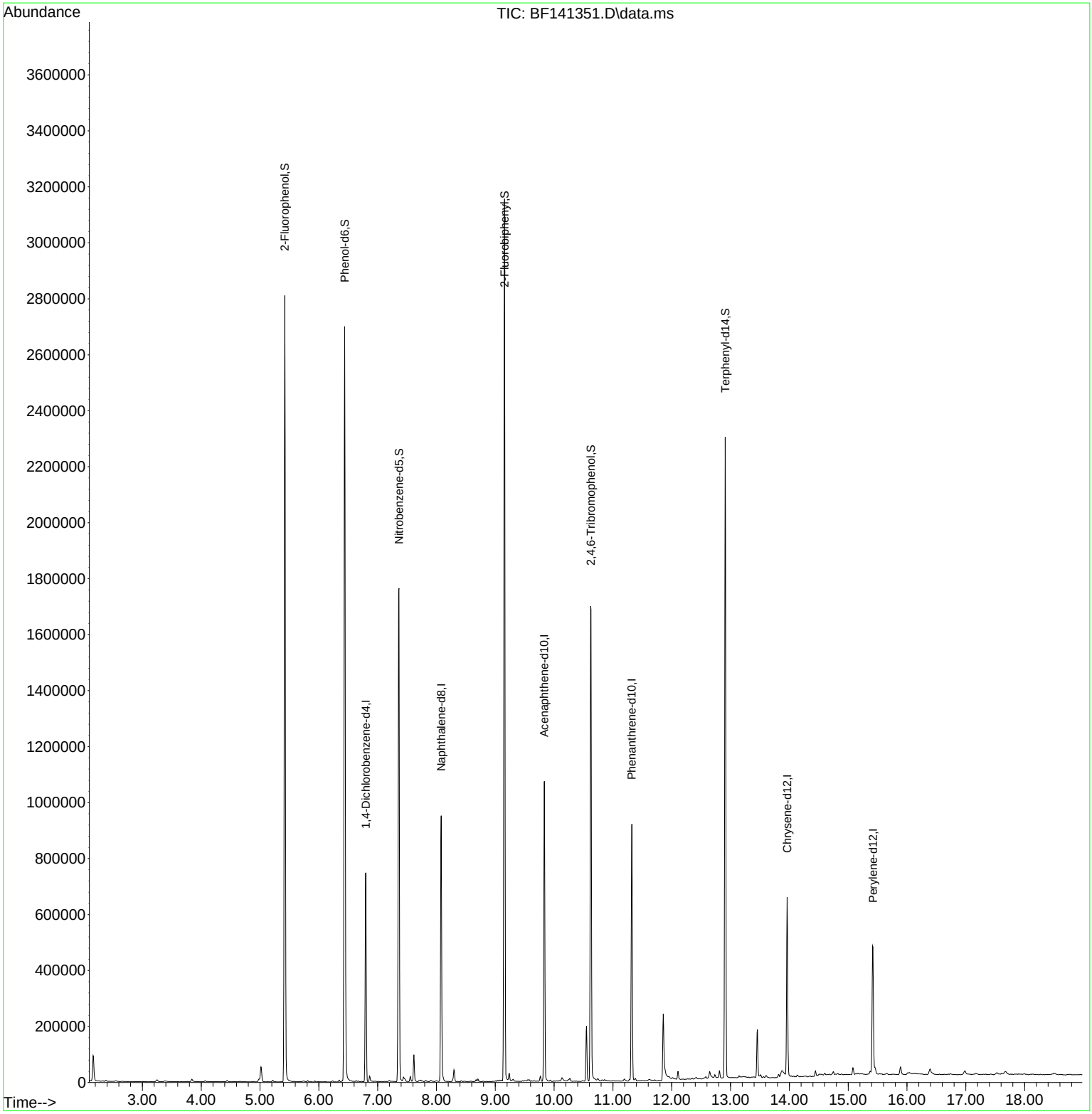
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	147849	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	589893	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	306711	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	457334	20.000	ng	0.00
76) Chrysene-d12	13.962	240	306408	20.000	ng	-0.01
86) Perylene-d12	15.421	264	276735	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1036855	107.663	ng	0.01
7) Phenol-d6	6.439	99	1275689	104.126	ng	0.00
23) Nitrobenzene-d5	7.363	82	816085	72.930	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	286008	101.716	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1373369	68.921	ng	0.00
79) Terphenyl-d14	12.910	244	1120159	56.379	ng	0.00
Target Compounds						Qvalue

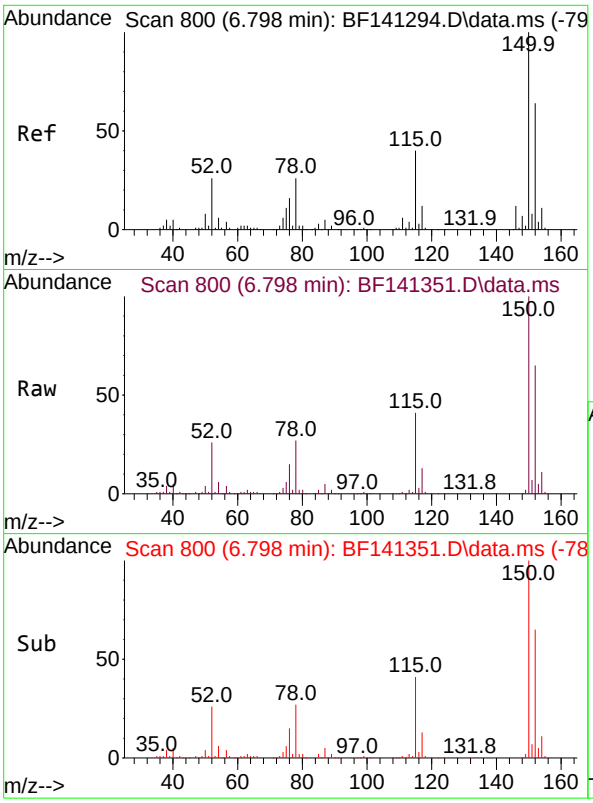
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Time: Feb 01 00:57:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



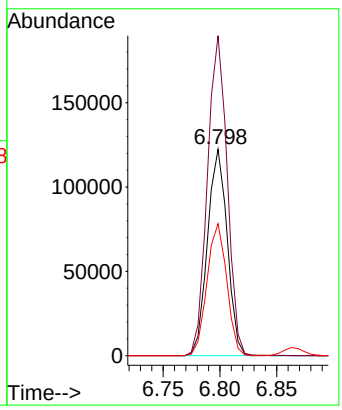


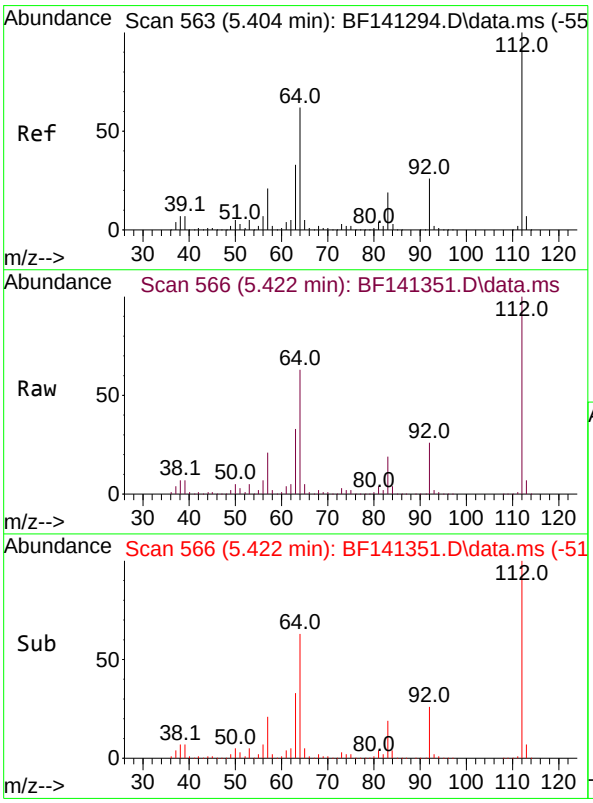
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion:152 Resp: 147849

Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.9	188.9
115	63.9	49.7	74.5

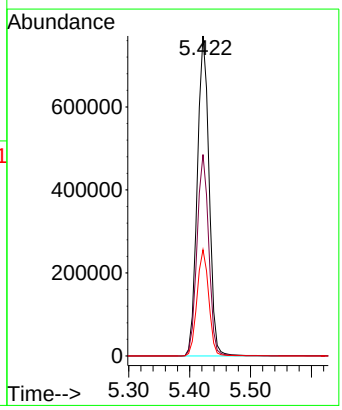


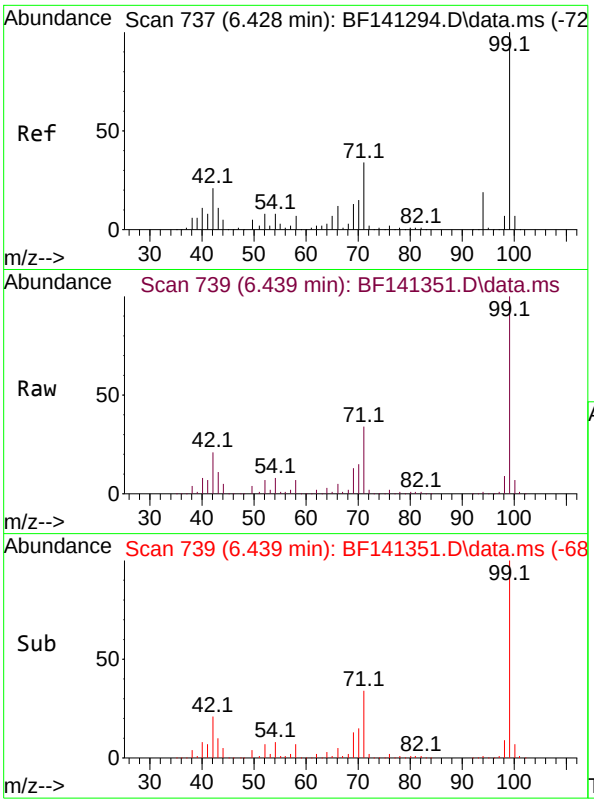


#5
2-Fluorophenol
Concen: 107.663 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:112 Resp: 1036855

Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.8	74.8
63	33.2	26.1	39.1



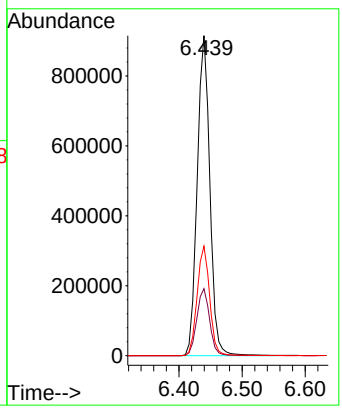


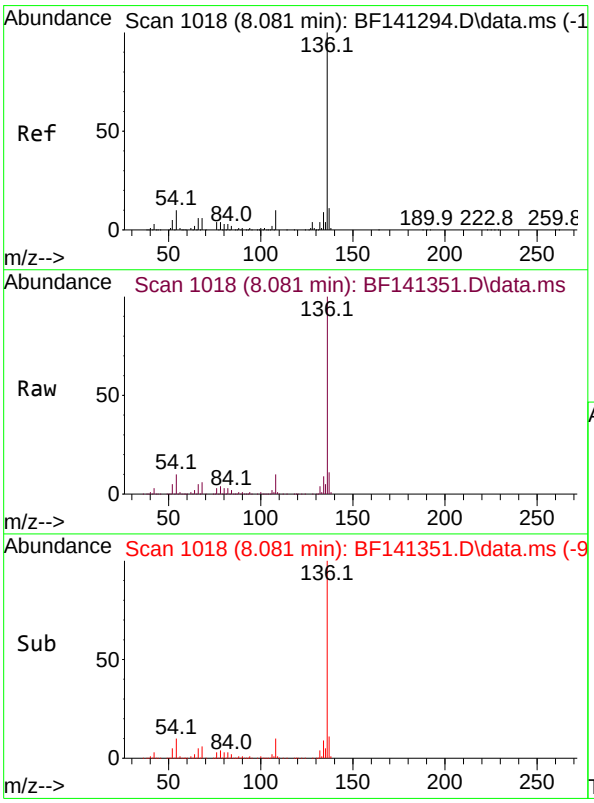
#7
Phenol-d6
Concen: 104.126 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion: 99 Resp: 1275689

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.1	25.7
71	34.2	26.9	40.3

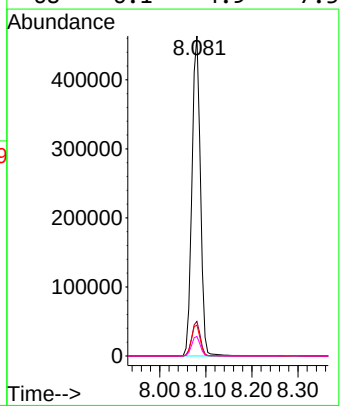


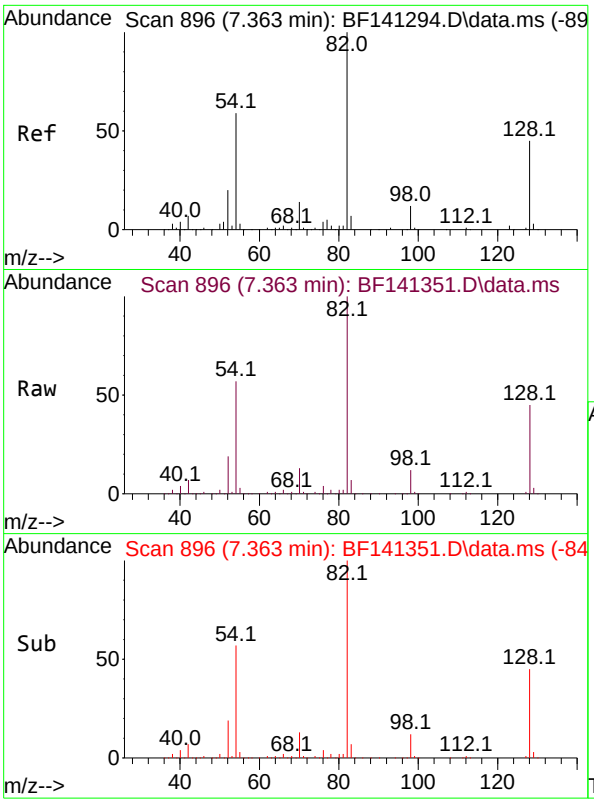


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:136 Resp: 589893

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.7	7.8	11.8
68	6.1	4.9	7.3



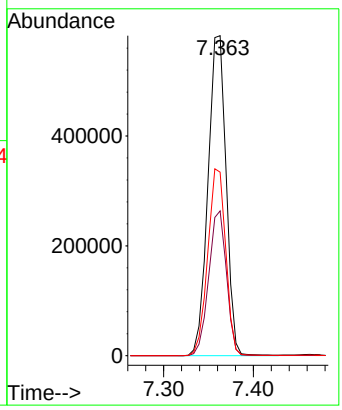


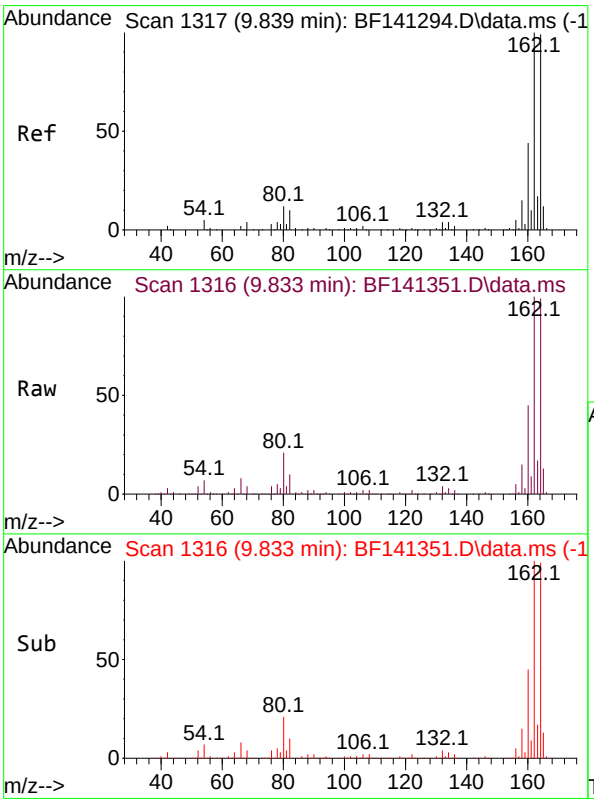
#23
Nitrobenzene-d5
Concen: 72.930 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion: 82 Resp: 816085

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.7	53.5
54	57.4	47.1	70.7

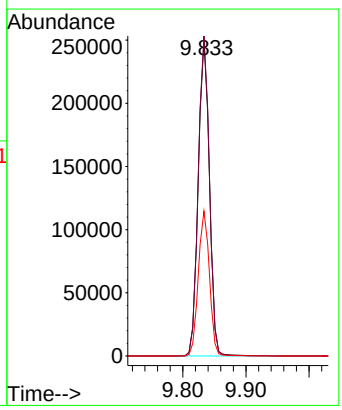


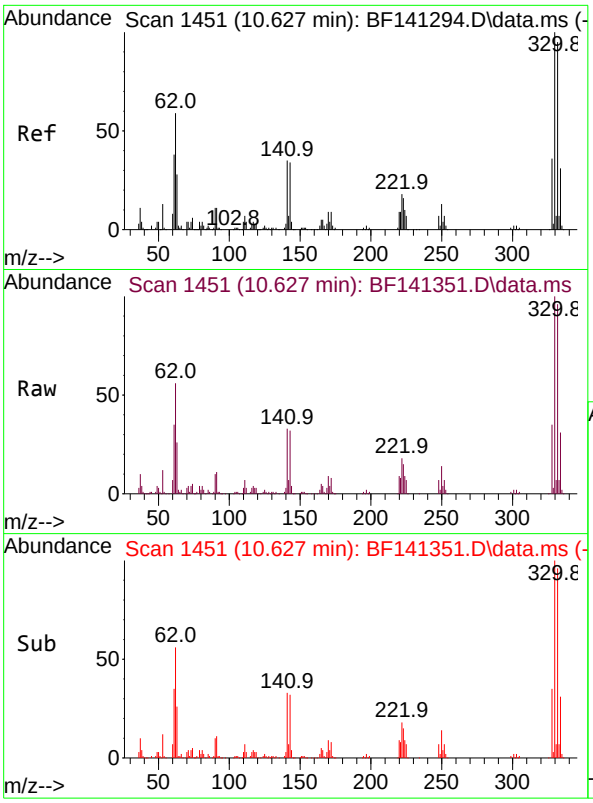


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:164 Resp: 306711

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	121.0
160	45.9	35.8	53.6



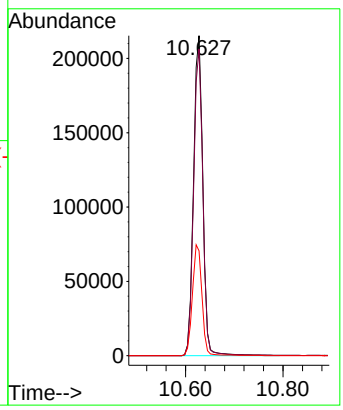


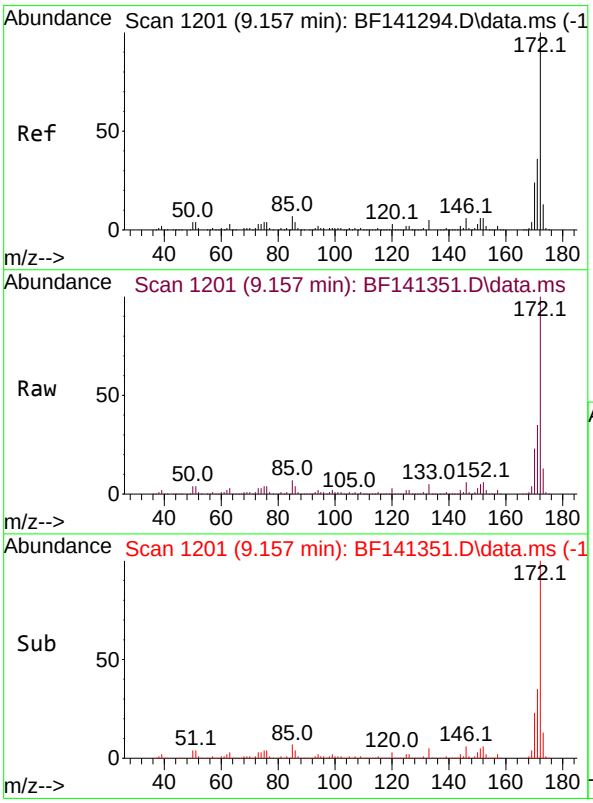
#42
2,4,6-Tribromophenol
Concen: 101.716 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion:330 Resp: 286008

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.1	114.1
141	35.4	28.8	43.2

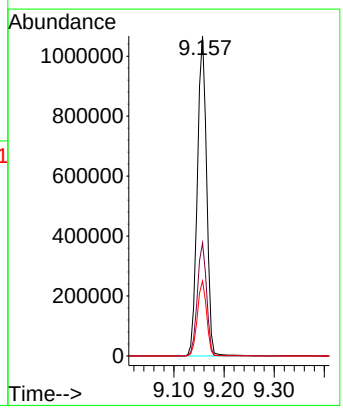


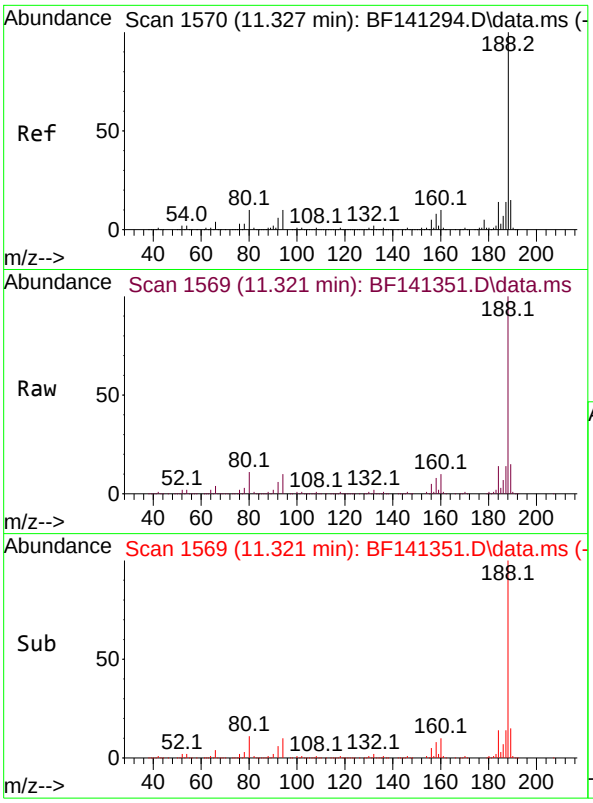


#45
2-Fluorobiphenyl
Concen: 68.921 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:172 Resp: 1373369

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.4	19.0	28.6



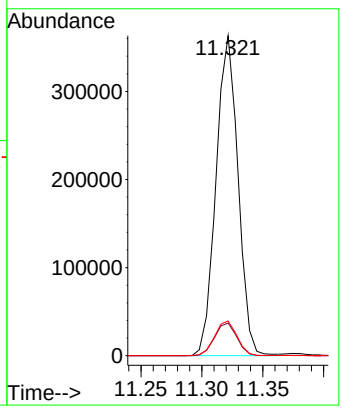


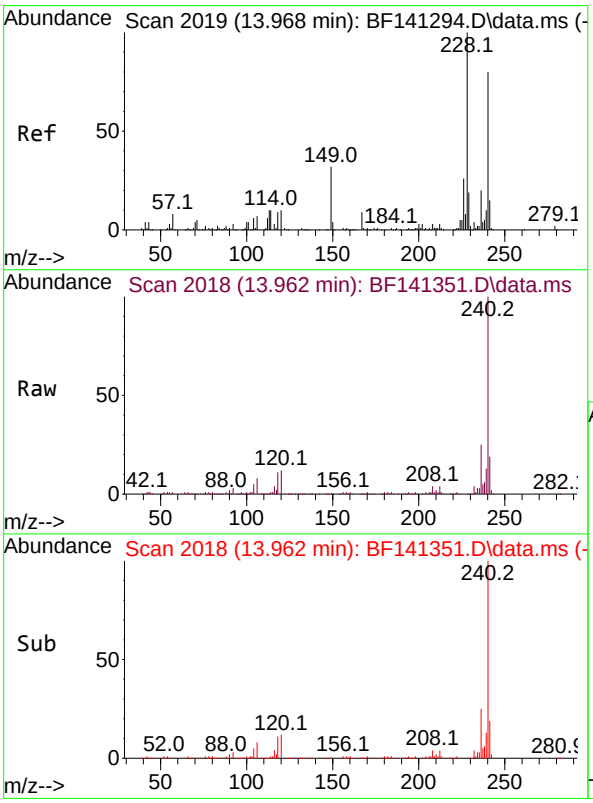
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion:188 Resp: 457334

Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.8	11.6
80	10.9	8.2	12.4

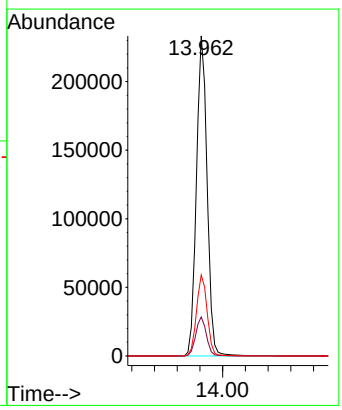


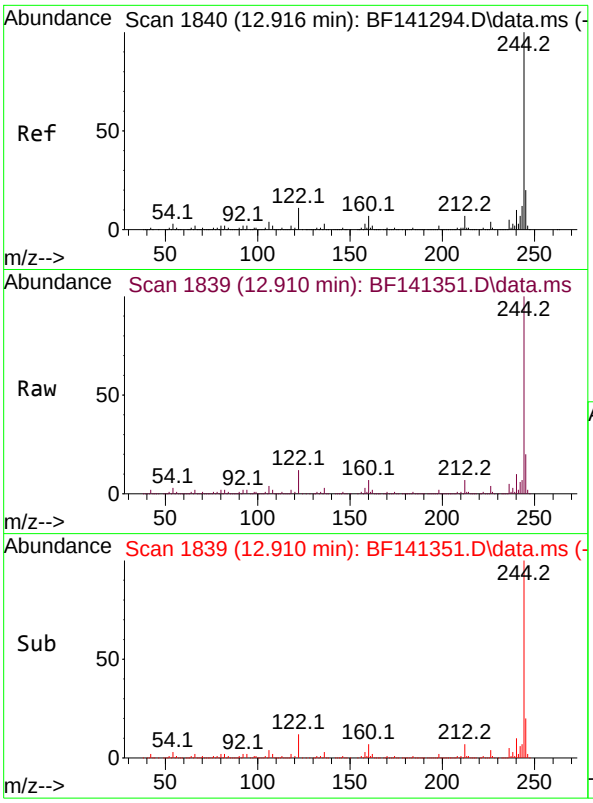


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:240 Resp: 306408

Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.0	15.0
236	25.3	19.7	29.5



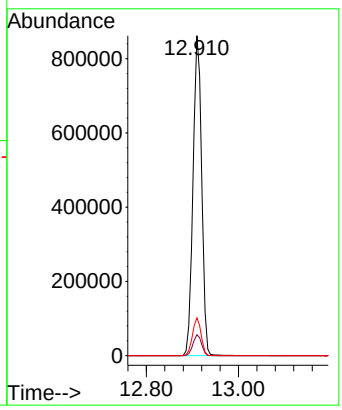


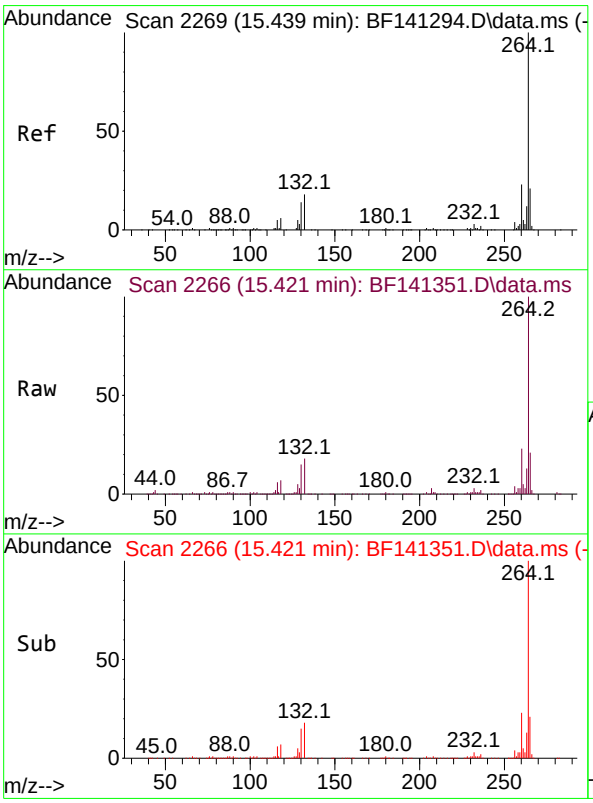
#79
Terphenyl-d14
Concen: 56.379 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion:244 Resp: 1120159

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	11.8	8.8	13.2

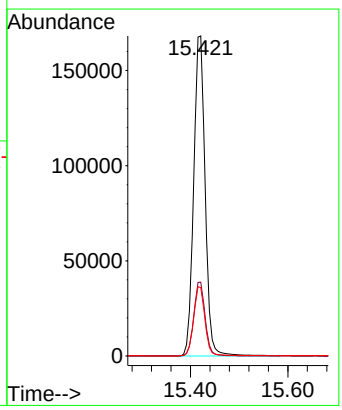




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:264 Resp: 276735

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.4	16.7	25.1



Sample Results: **BF141351.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141351.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	6	12	22	rVB	90277	143425	3.57%	0.529%
2	5.016	492	497	506	rVB	52627	88928	2.21%	0.328%
3	5.422	560	566	585	rBV	2809148	3765182	93.67%	13.879%
4	6.439	733	739	763	rVB	2697329	3810815	94.80%	14.048%
5	6.798	795	800	805	rBV	746676	904931	22.51%	3.336%
6	7.363	889	896	901	rBV	1762219	2468309	61.40%	9.099%
7	7.616	933	939	950	rVB	95616	122592	3.05%	0.452%
8	8.081	1012	1018	1035	rVB	949788	1235058	30.72%	4.553%
9	8.298	1045	1055	1062	rBV2	41712	61686	1.53%	0.227%
10	9.157	1195	1201	1206	rBV	3151336	4019772	100.00%	14.818%
11	9.833	1310	1316	1321	rBV	1071180	1317459	32.77%	4.856%
12	10.551	1433	1438	1445	rBV	197371	251038	6.25%	0.925%
13	10.622	1445	1450	1467	rBV	1696614	2351269	58.49%	8.667%
14	11.321	1564	1569	1575	rVB	913718	1143980	28.46%	4.217%
15	11.857	1655	1660	1674	rBV	238040	426342	10.61%	1.572%
16	12.645	1790	1794	1804	rBV2	21519	41337	1.03%	0.152%
17	12.910	1833	1839	1850	rVV	2289014	2961223	73.67%	10.916%
18	13.457	1927	1932	1937	rBV	170157	225935	5.62%	0.833%
19	13.874	1996	2003	2013	rBV6	21184	78960	1.96%	0.291%
20	13.962	2013	2018	2028	rVB	639614	841259	20.93%	3.101%
21	15.415	2260	2265	2283	rVB	458621	777143	19.33%	2.865%
22	15.892	2341	2346	2352	rBV	25849	43885	1.09%	0.162%
23	16.392	2426	2431	2444	rVB2	19167	47499	1.18%	0.175%

Sum of corrected areas: 27128027

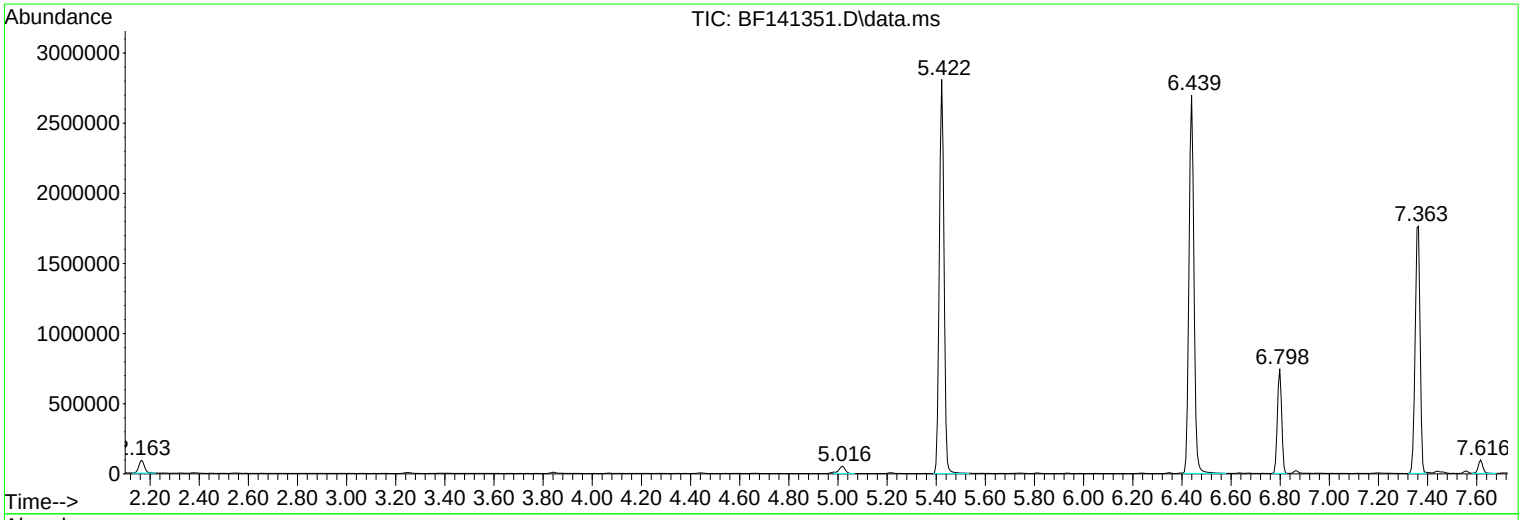
Sample Results: **BF141351.D**

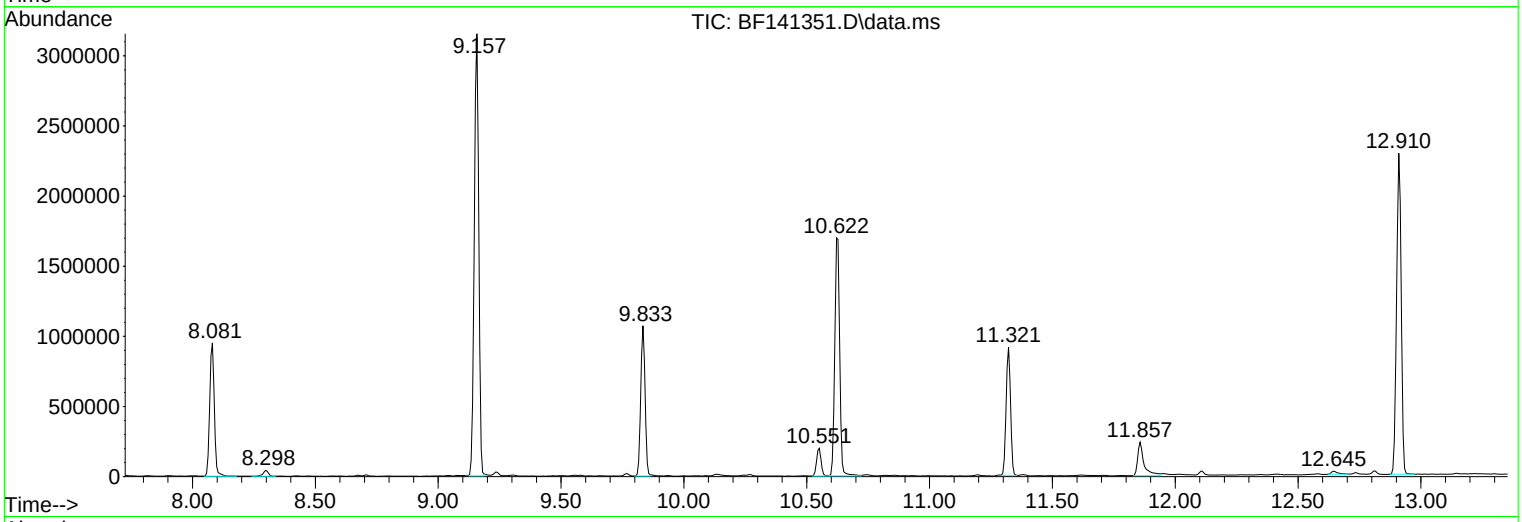
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

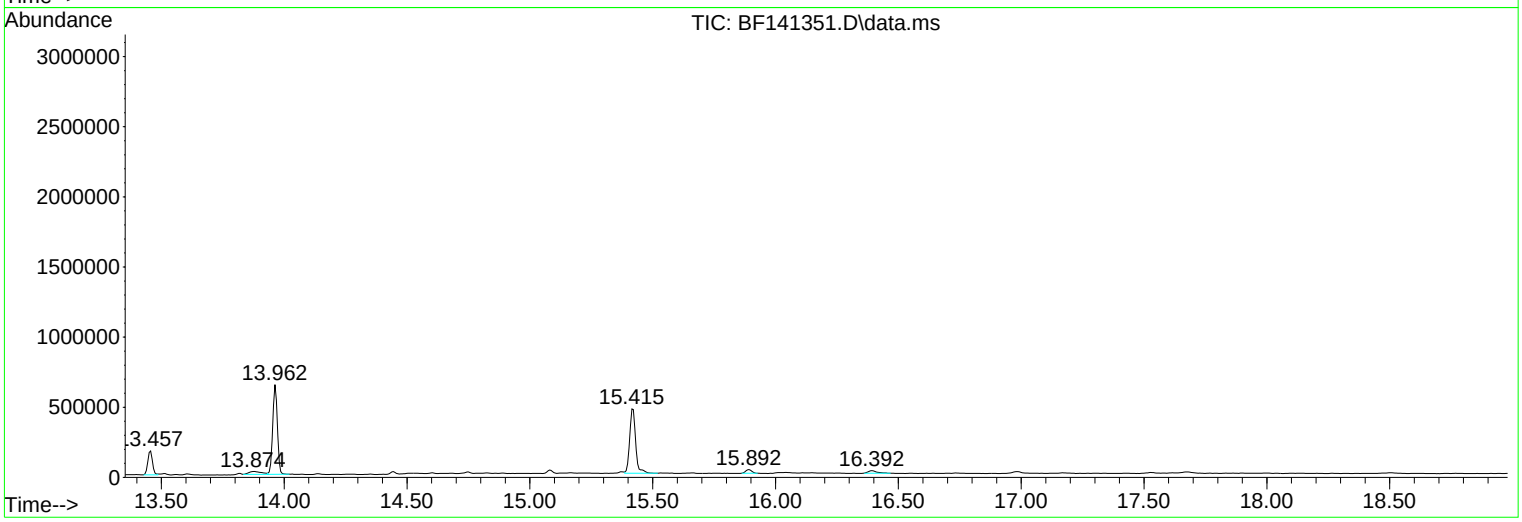
Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

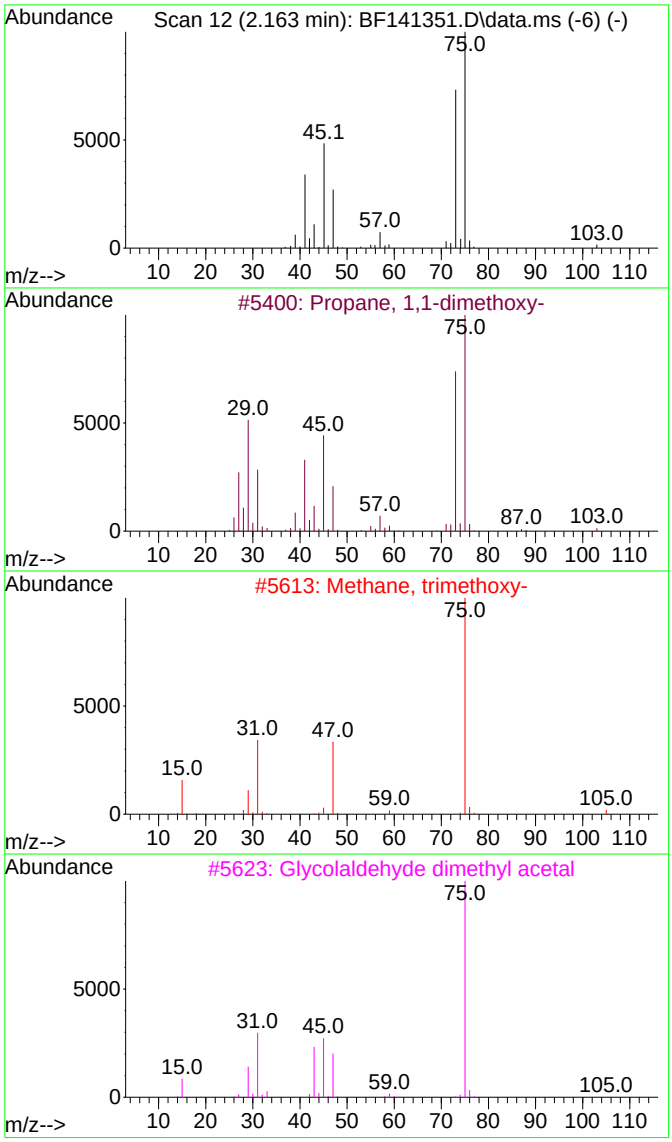
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

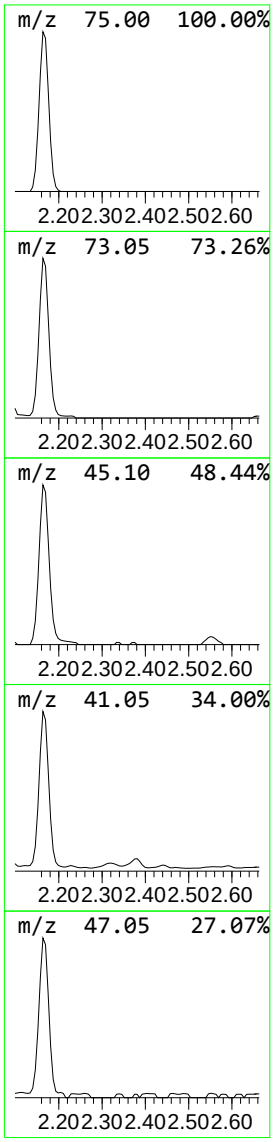
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.163	3.17 ng	143425	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Methane, trimethoxy-	106	C4H10O3	000149-73-5	38
3	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	36
4	Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	33
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

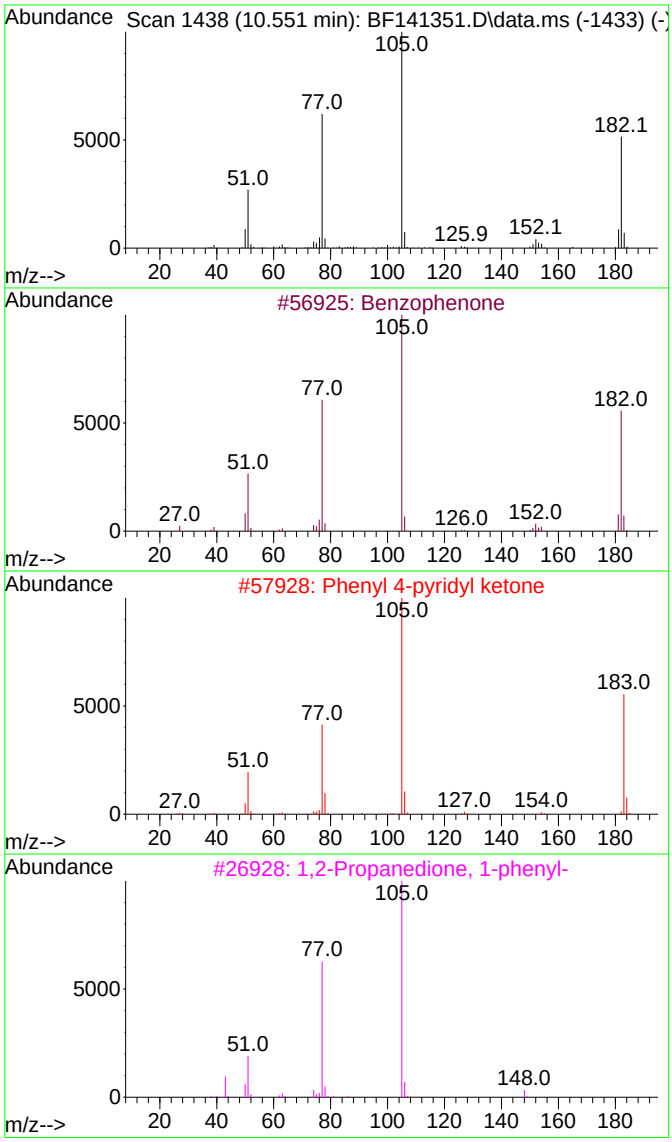
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

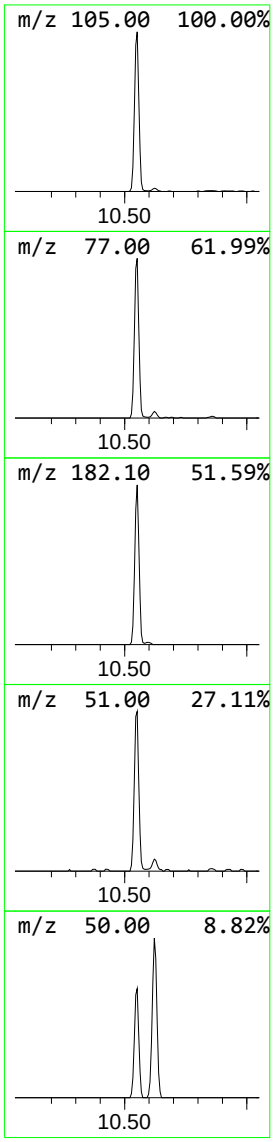
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.551	3.81 ng	251038	Acenaphthene-d10	9.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	50
3	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

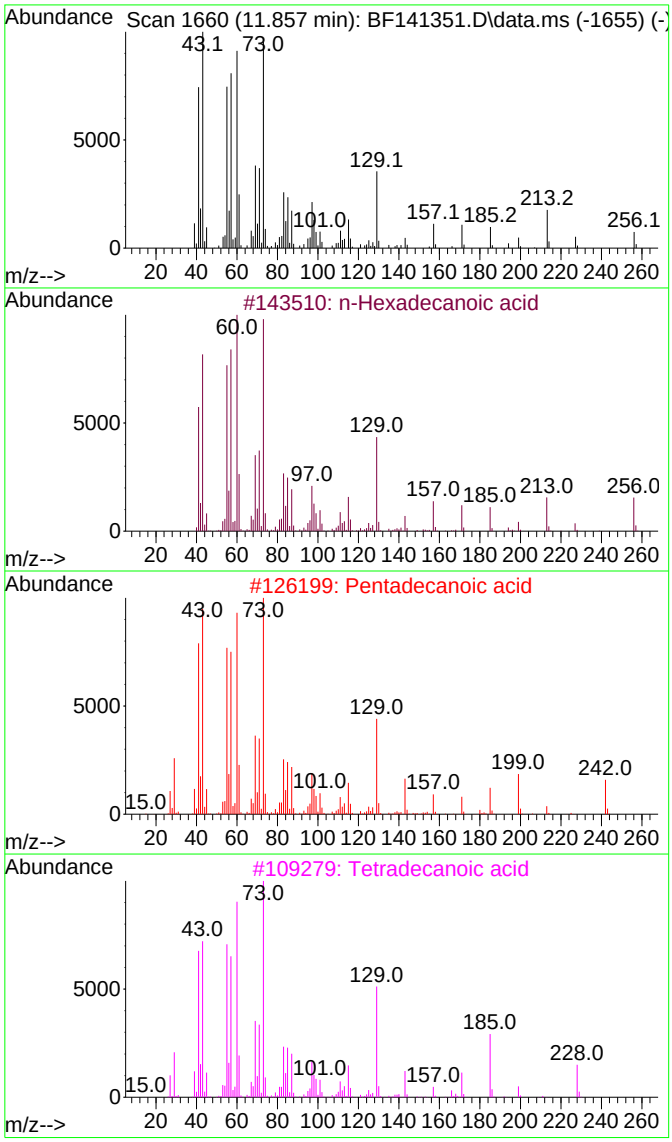
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

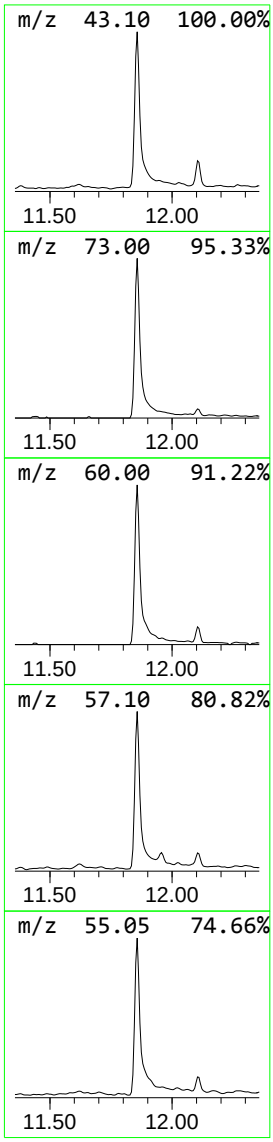
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	7.45 ng	426342	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	81
5	Undecanoic acid	186	C11H22O2	000112-37-8	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

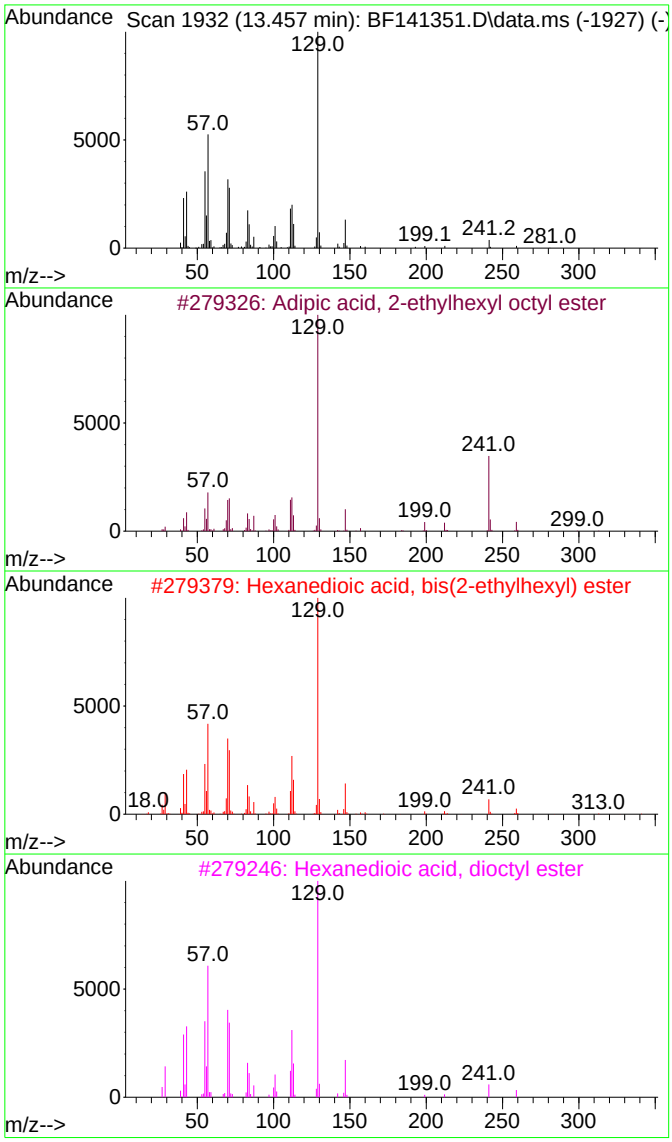
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

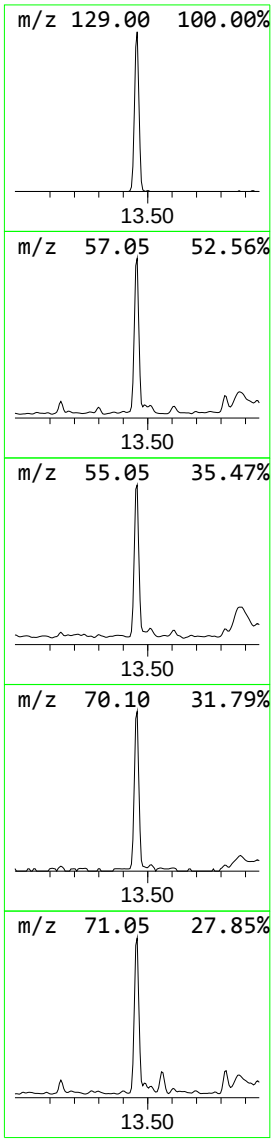
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Adipic acid, 2-ethylhexyl o... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.457	5.37 ng	225935	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	91
2	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
3	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	76
4	Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	68
5	Adipic acid, 2-ethylhexyl isobut...	314	C18H34O4	1010324-48-0	59





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Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-di...	2.163	3.2	ng	143425	1	6.798	904931	20.0
Benzophenone	10.551	3.8	ng	251038	3	9.833	1317460	20.0
n-Hexadecanoic ...	11.857	7.5	ng	426342	4	11.322	1143980	20.0
Adipic acid, 2-...	13.457	5.4	ng	225935	5	13.963	841259	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Time: Feb 03 14:36:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

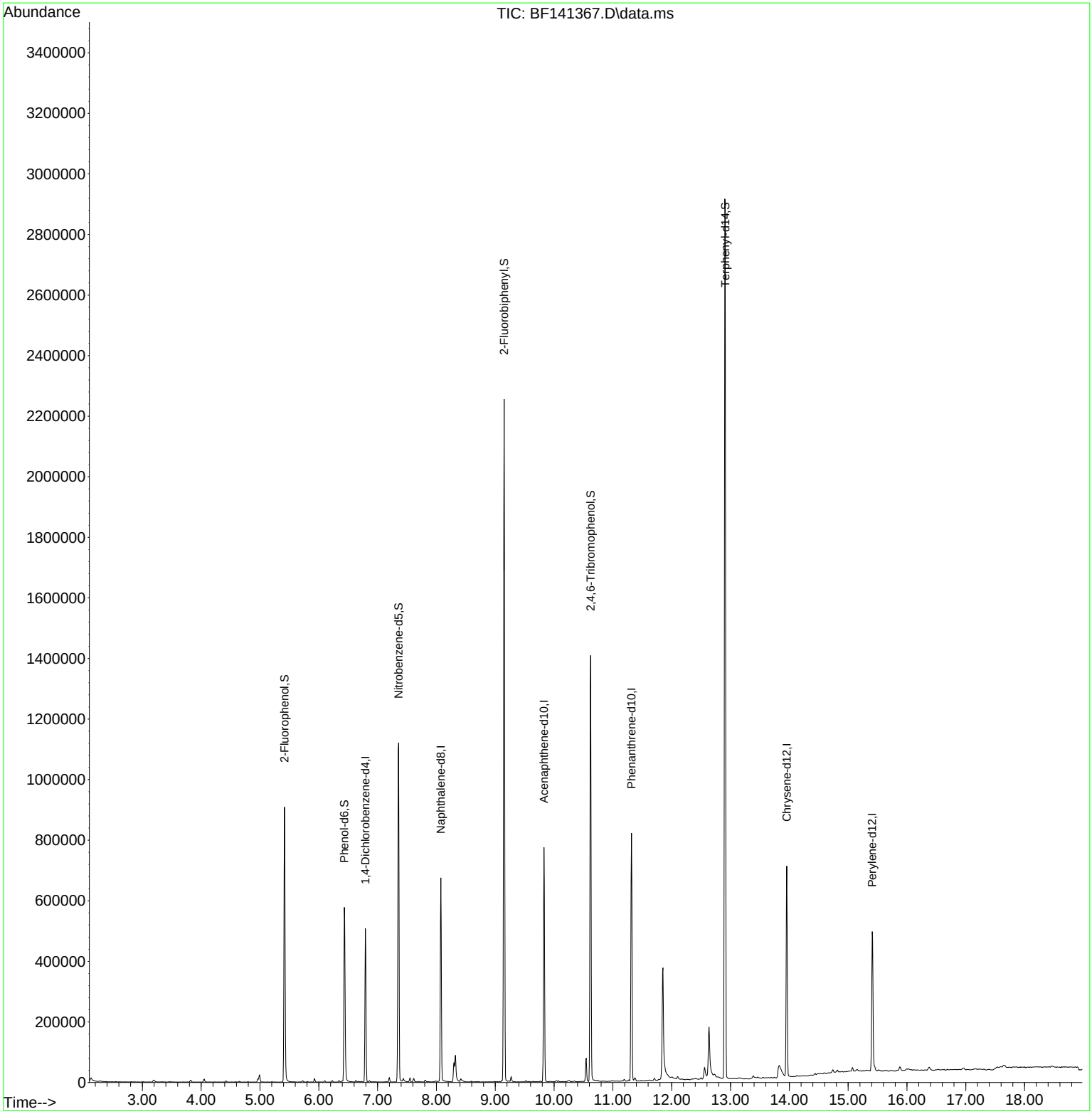
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	101266	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	409757	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	228085	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	407498	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	332056	20.000	ng	-0.02
86) Perylene-d12	15.410	264	264824	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	336523	51.017	ng	0.00
7) Phenol-d6	6.434	99	279381	33.294	ng	0.00
23) Nitrobenzene-d5	7.357	82	500491	64.390	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	221354	105.860	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	971685	65.572	ng	-0.01
79) Terphenyl-d14	12.910	244	1509500	70.107	ng	0.00
Target Compounds						Qvalue

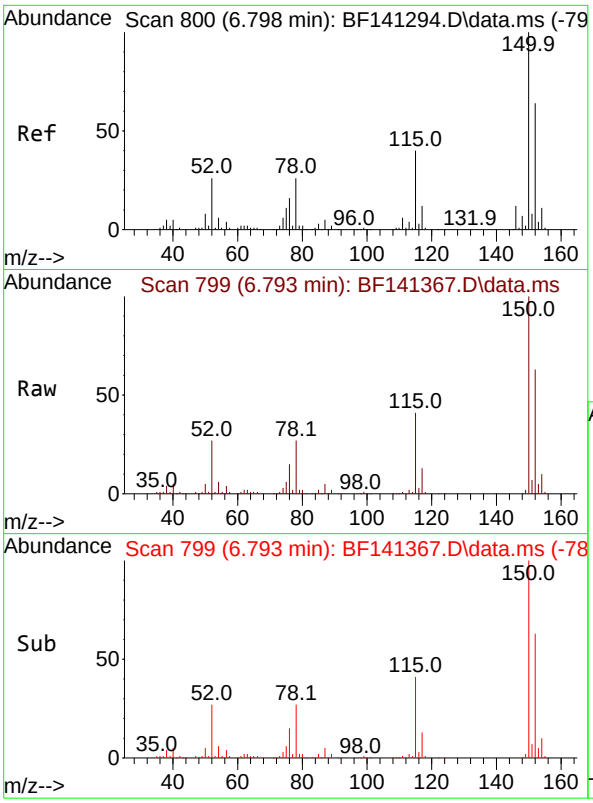
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Time: Feb 03 14:36:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



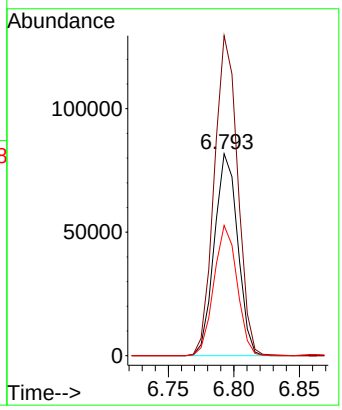


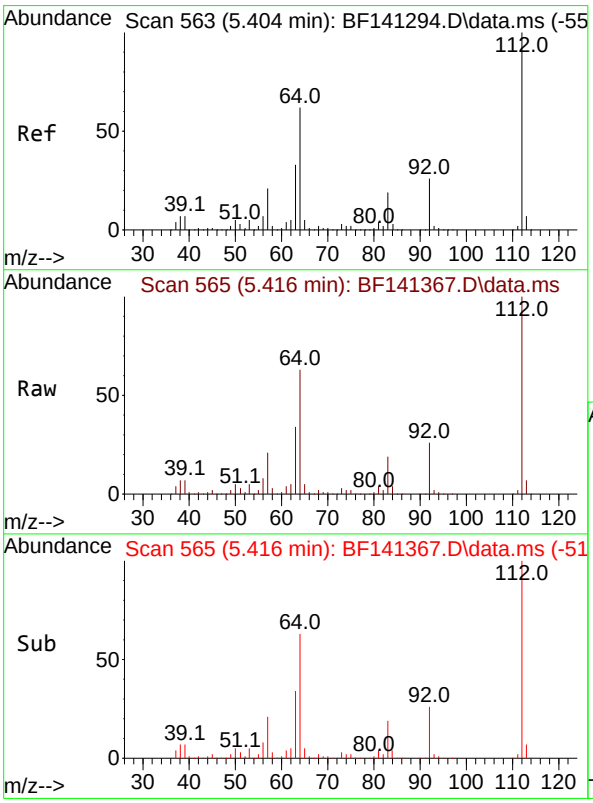
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion:152 Resp: 101266

Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.9	188.9
115	64.5	49.7	74.5

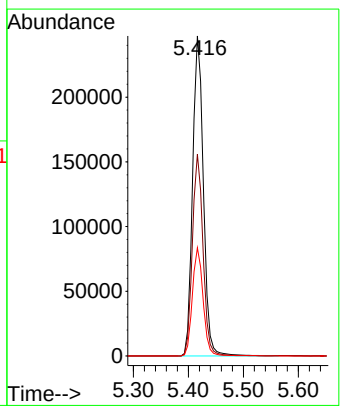


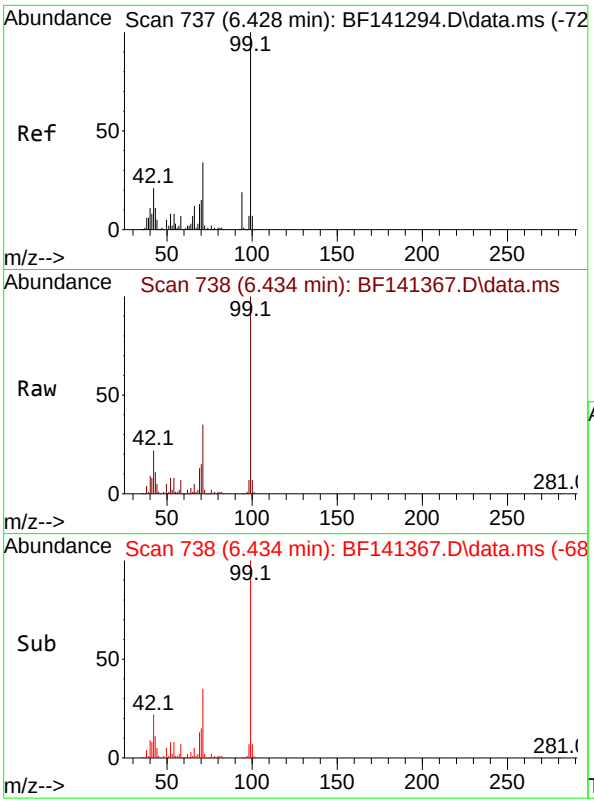


#5
2-Fluorophenol
Concen: 51.017 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:112 Resp: 336523

Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.8	74.8
63	33.8	26.1	39.1



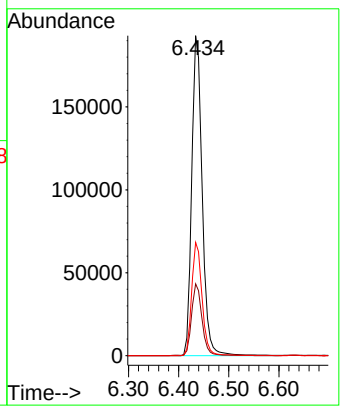


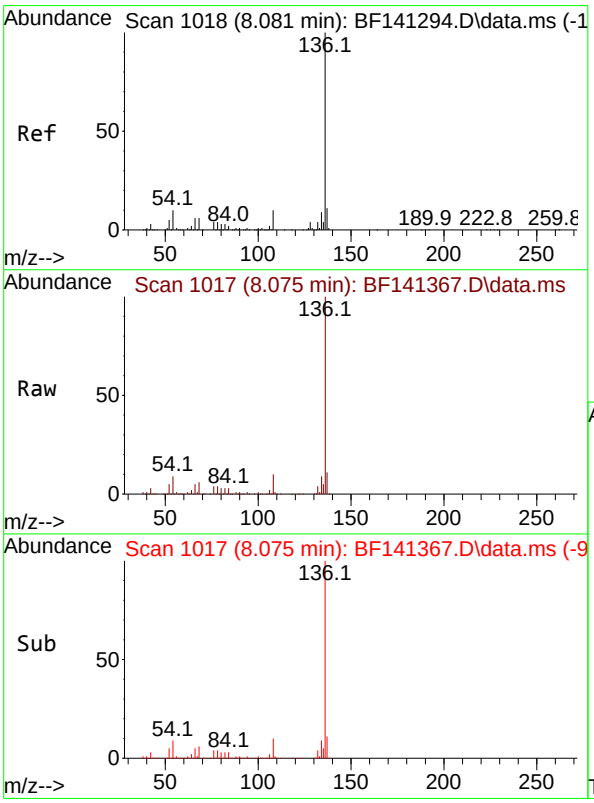
#7
Phenol-d6
Concen: 33.294 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion: 99 Resp: 279381

Ion	Ratio	Lower	Upper
99	100		
42	22.4	17.1	25.7
71	35.4	26.9	40.3

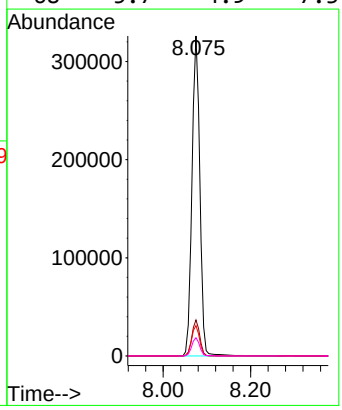


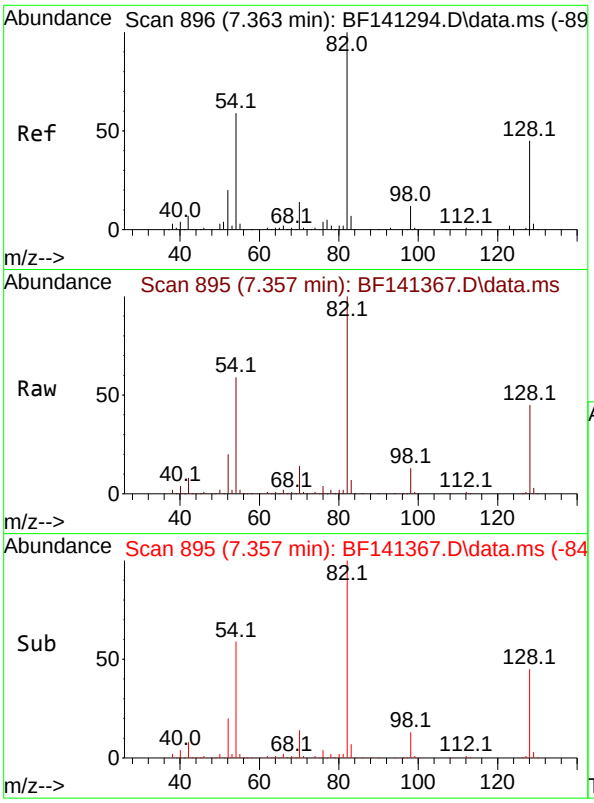


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:136 Resp: 409757

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.5	7.8	11.8
68	5.7	4.9	7.3



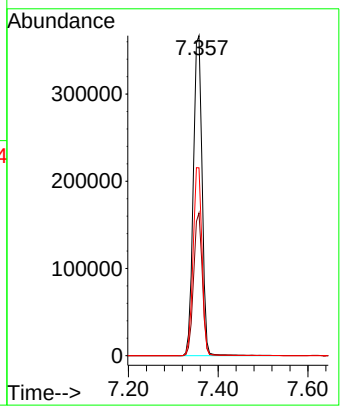


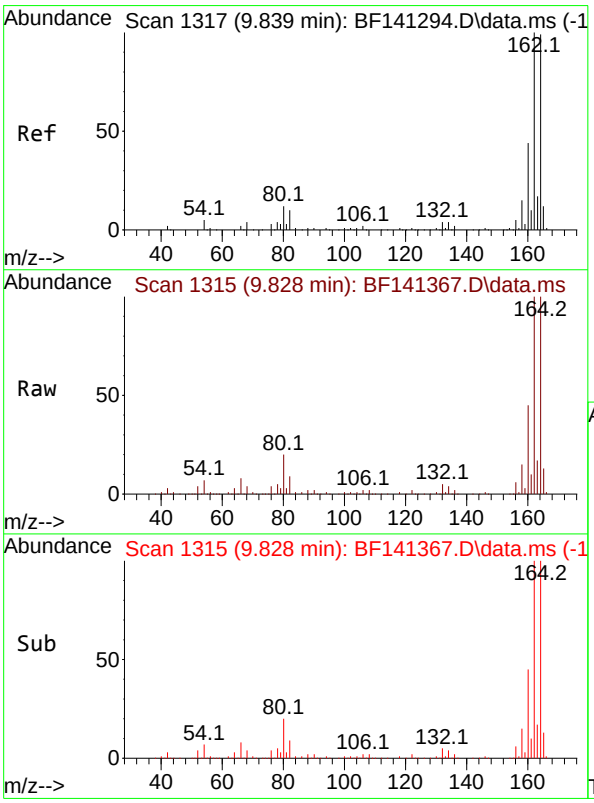
#23
Nitrobenzene-d5
Concen: 64.390 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion: 82 Resp: 500491

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	58.7	47.1	70.7

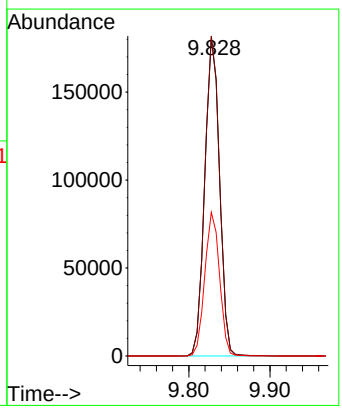


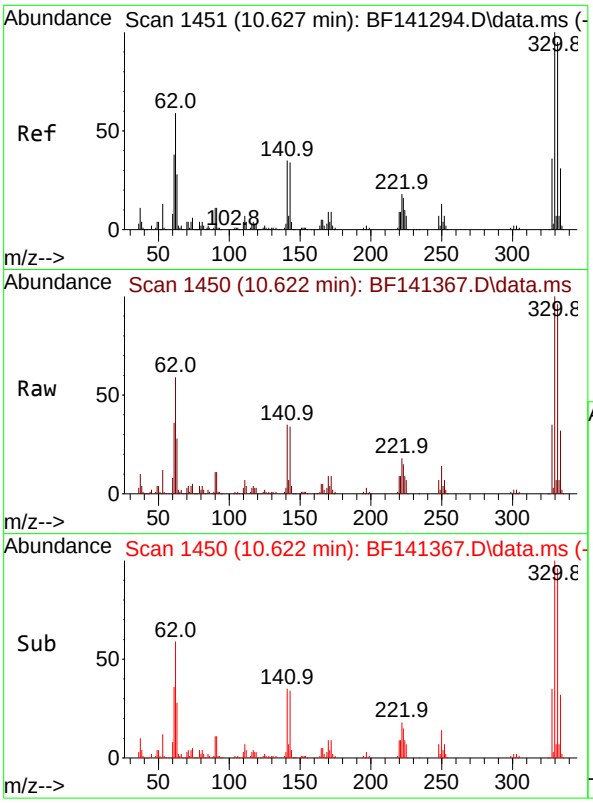


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:164 Resp: 228085

Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.6	121.0
160	45.1	35.8	53.6



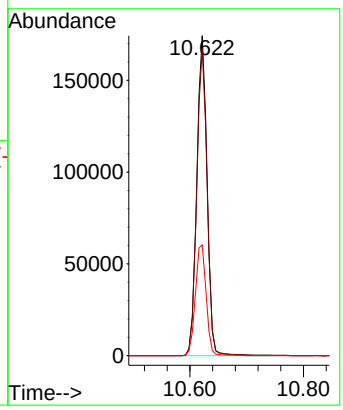


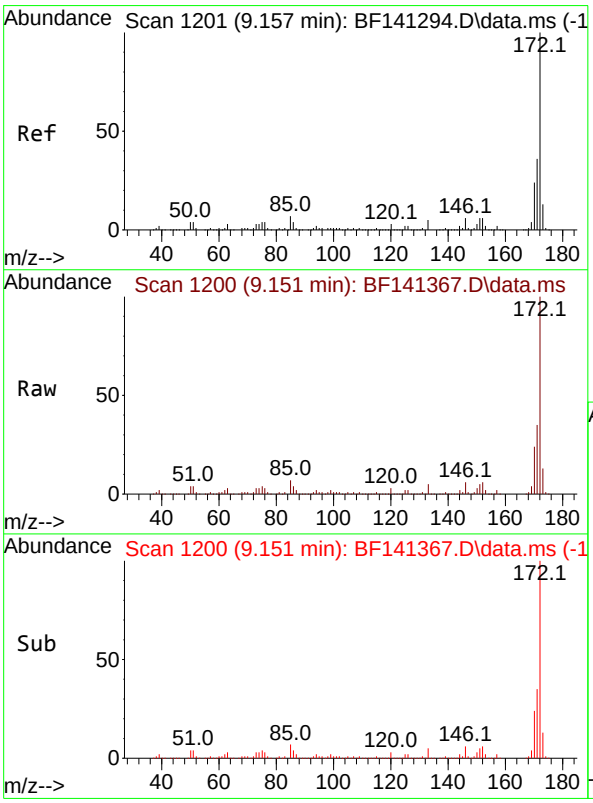
#42
2,4,6-Tribromophenol
Concen: 105.860 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion:330 Resp: 221354

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.1	114.1
141	36.4	28.8	43.2

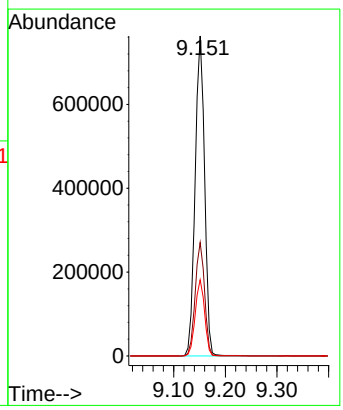


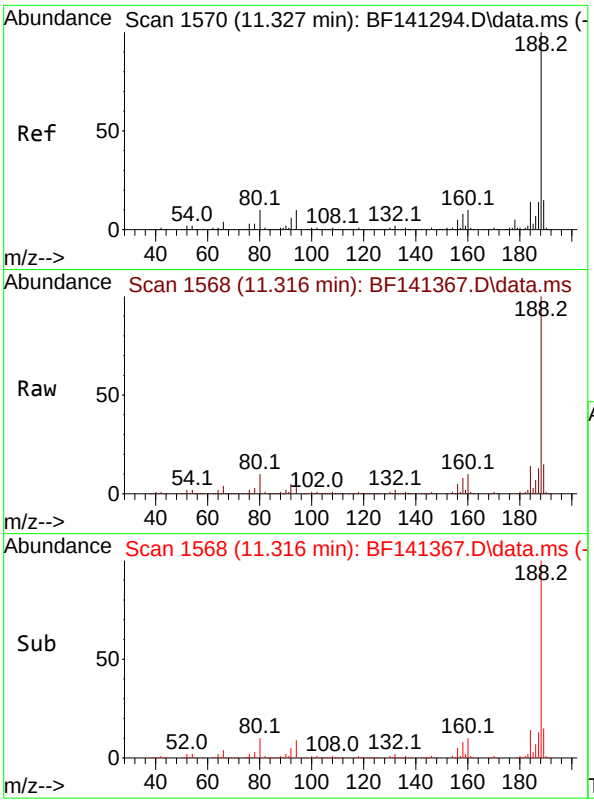


#45
2-Fluorobiphenyl
Concen: 65.572 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:172 Resp: 971685

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.8	19.0	28.6



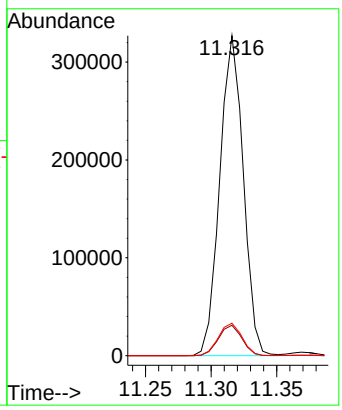


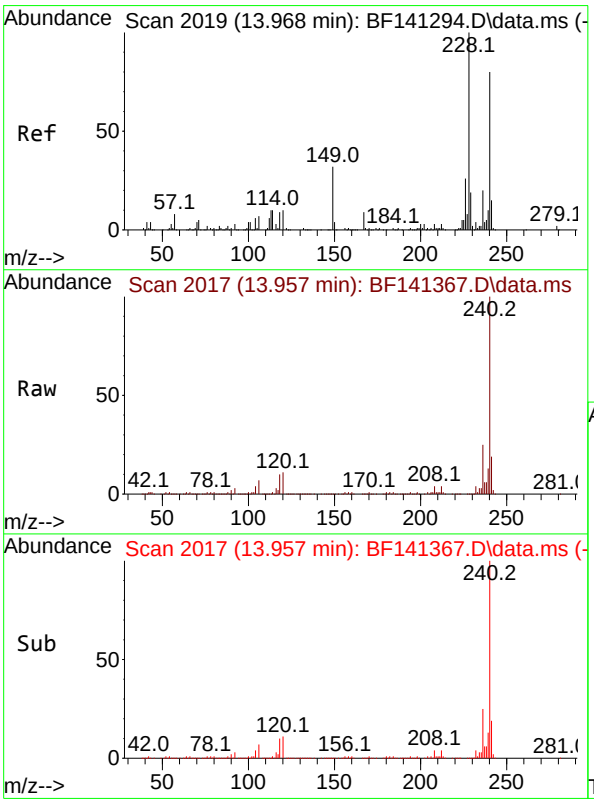
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion:188 Resp: 407498

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.8	11.6
80	10.2	8.2	12.4

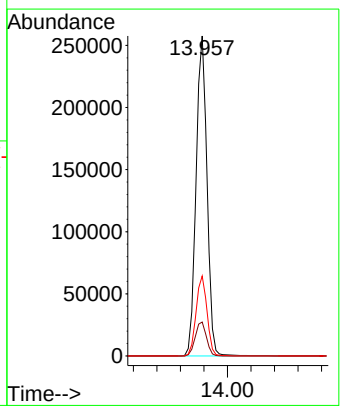


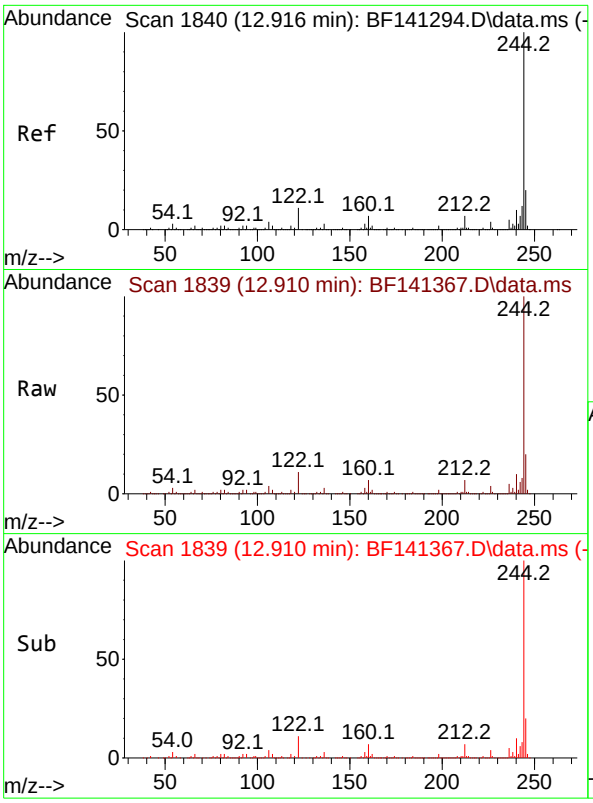


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:240 Resp: 332056

Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.0	15.0
236	25.0	19.7	29.5



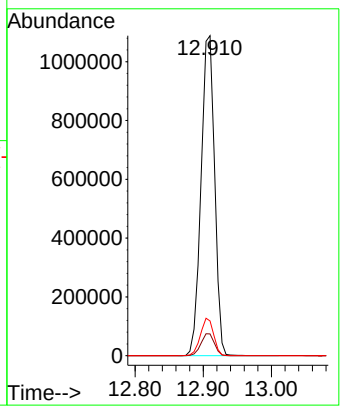


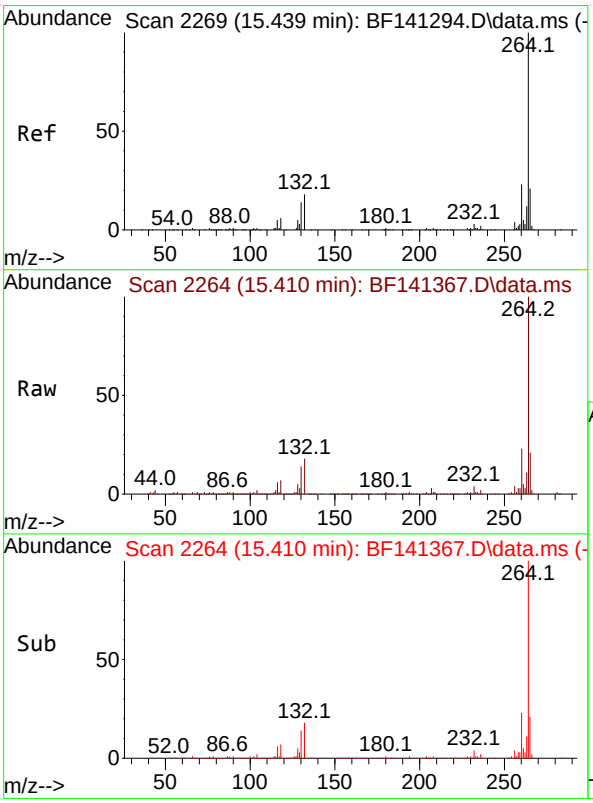
#79
Terphenyl-d14
Concen: 70.107 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion:244 Resp: 1509500

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.9	8.8	13.2

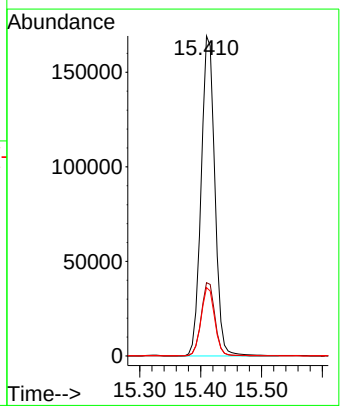




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.029 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:264 Resp: 264824

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	27.8
265	21.4	16.7	25.1



Sample Results: **BF141367.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141367.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.416	560	565	584	rBV	907502	1224485	30.42%	6.445%
2	6.434	733	738	755	rVB	575640	833454	20.71%	4.387%
3	6.793	794	799	804	rBV	505998	620831	15.42%	3.268%
4	7.357	887	895	900	rBV	1120561	1525801	37.91%	8.031%
5	8.075	1011	1017	1022	rBV	672293	833251	20.70%	4.386%
6	8.298	1050	1055	1056	rBV	61582	74116	1.84%	0.390%
7	8.322	1056	1059	1071	rVB	86665	134149	3.33%	0.706%
8	9.151	1194	1200	1205	rBV	2250337	2838447	70.52%	14.939%
9	9.828	1310	1315	1325	rBV	773827	971382	24.13%	5.113%
10	10.545	1430	1437	1444	rBV	77179	99544	2.47%	0.524%
11	10.622	1444	1450	1460	rBV	1406673	1842046	45.77%	9.695%
12	11.316	1563	1568	1573	rBV	817329	1016972	25.27%	5.353%
13	11.851	1644	1659	1681	rBV2	370692	748088	18.59%	3.937%
14	12.557	1773	1779	1786	rBV	37970	83569	2.08%	0.440%
15	12.633	1786	1792	1805	rVV	162923	311405	7.74%	1.639%
16	12.904	1832	1838	1844	rBV	2903652	4024968	100.00%	21.184%
17	13.827	1988	1995	2011	rBV2	40295	173686	4.32%	0.914%
18	13.957	2011	2017	2029	rVB	695648	910318	22.62%	4.791%
19	15.410	2258	2264	2276	rBV	460069	733334	18.22%	3.860%

Sum of corrected areas: 18999846

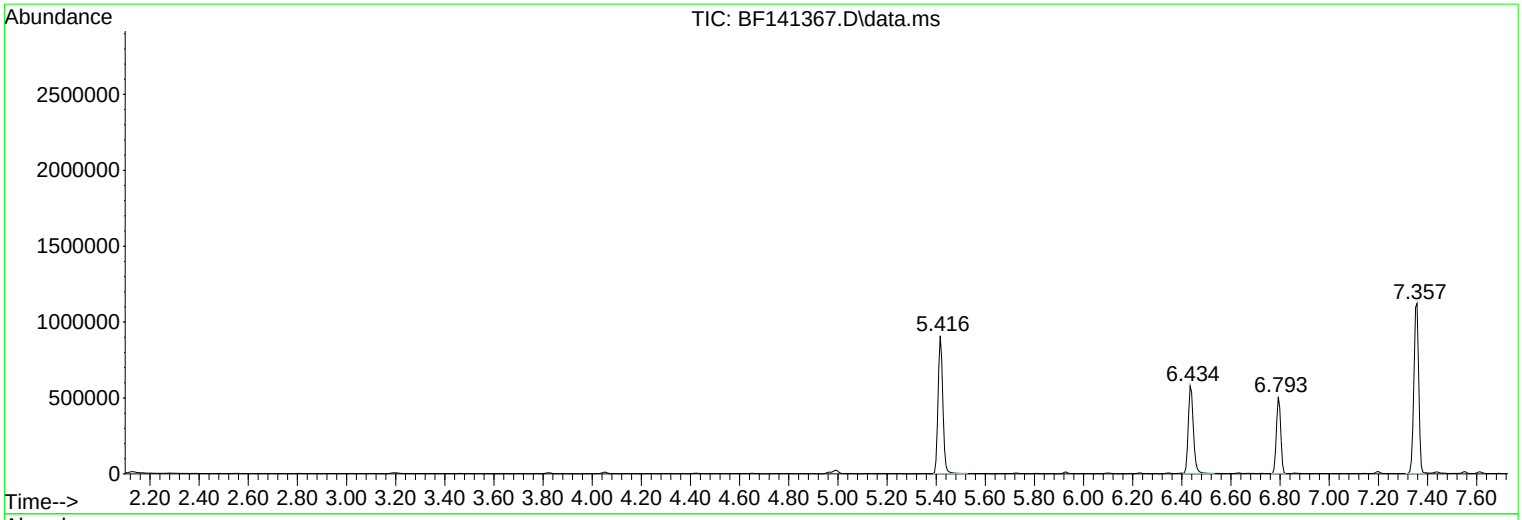
Sample Results: **BF141367.D**

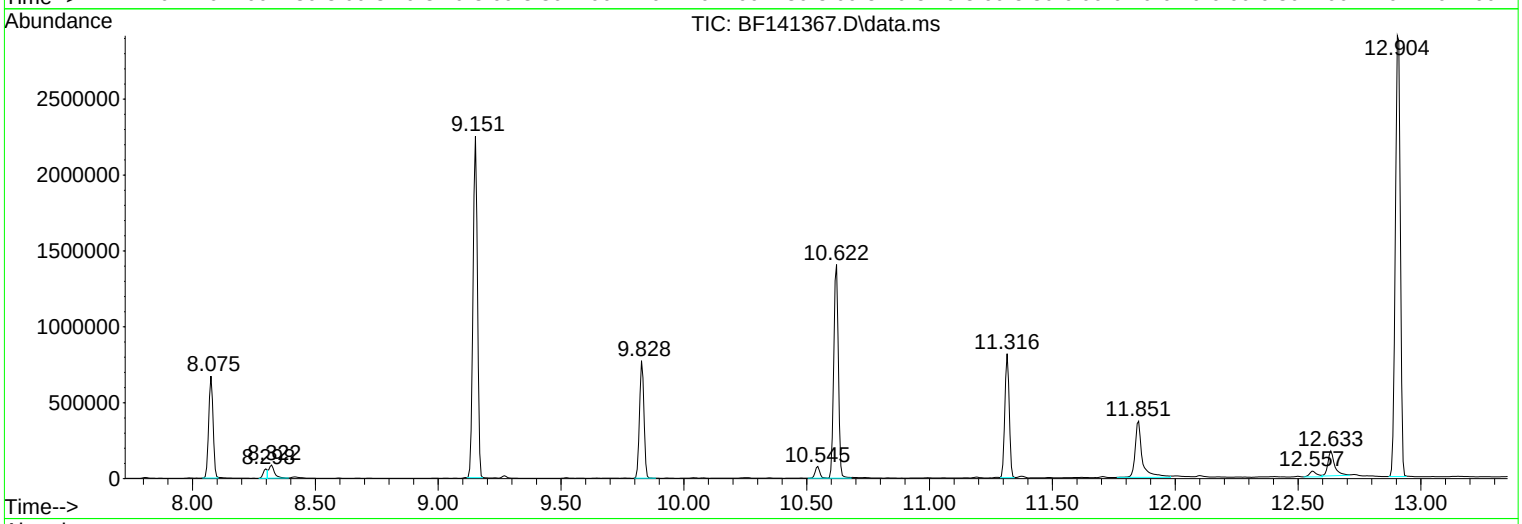
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

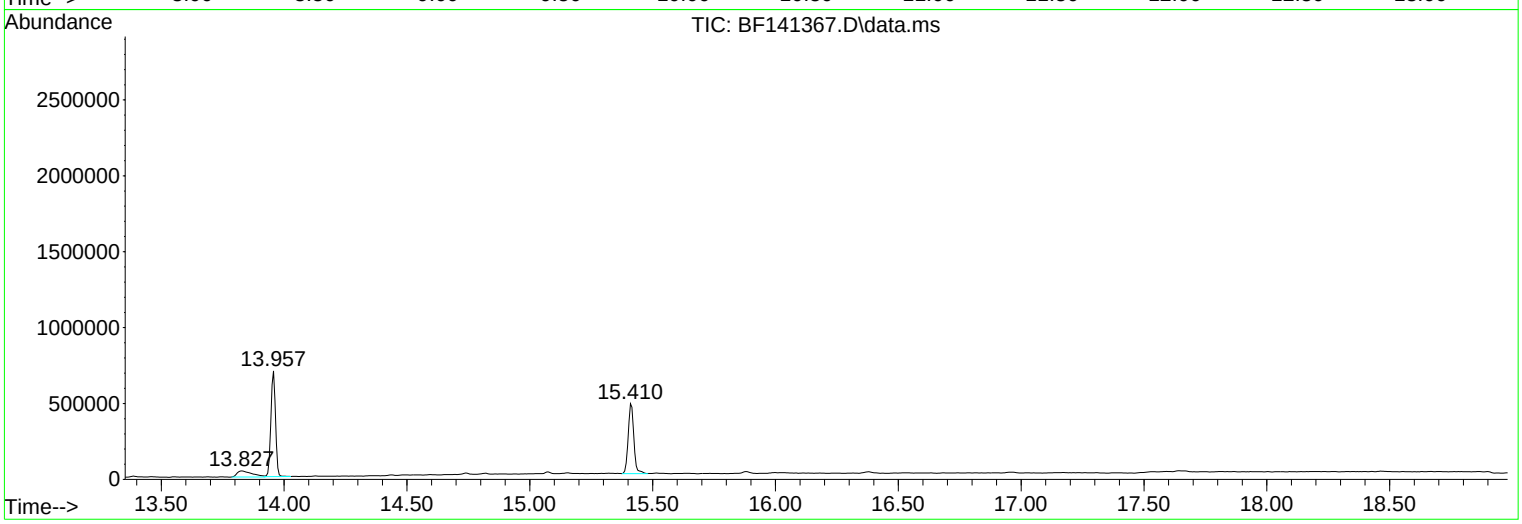
Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

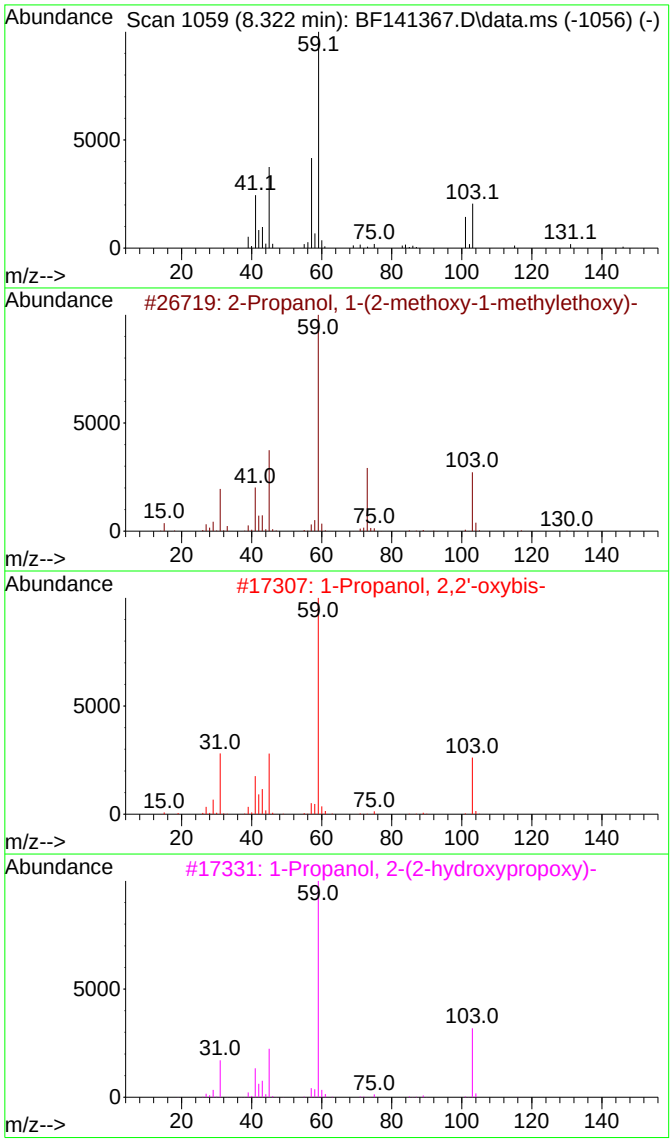
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

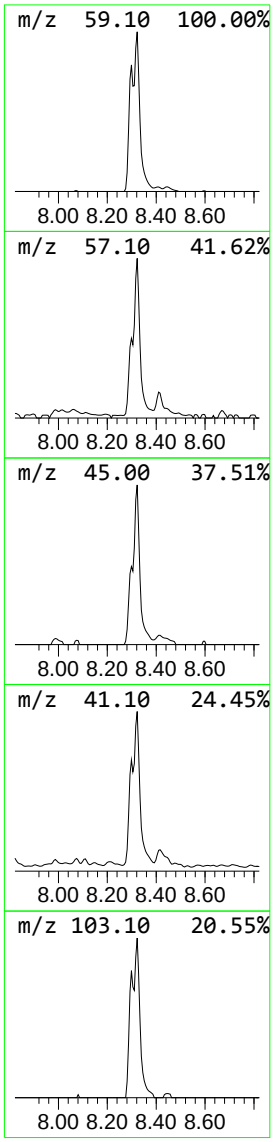
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.322	3.22 ng	134149	Naphthalene-d8	8.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	64
2	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	50
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	50
4	Butanamide, 3,3-dimethyl-	115	C6H13NO	000926-04-5	47
5	Dipropylene glycol (isomer 2)	134	C6H14O3	1000506-25-4	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

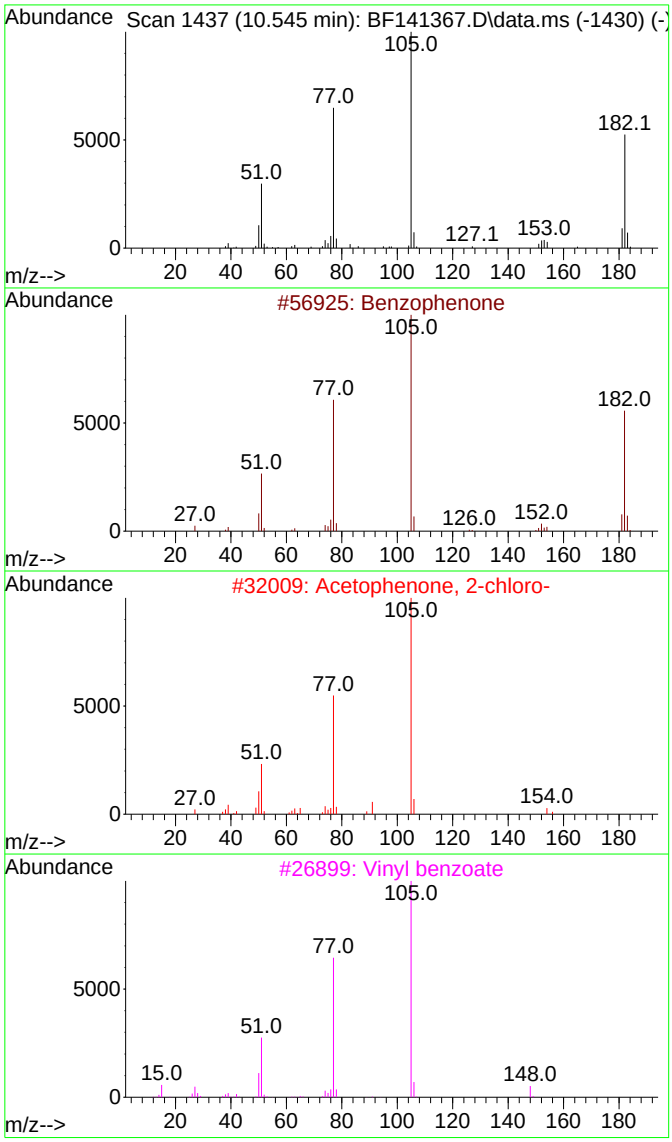
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

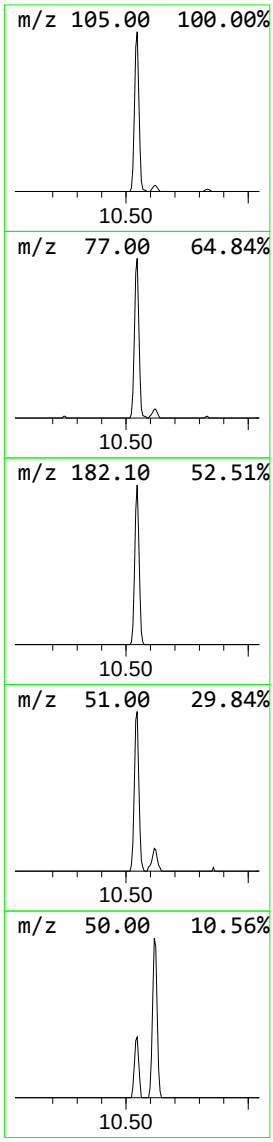
****

Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.545	2.05 ng	99544	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
3	Vinyl benzoate	148	C9H8O2	000769-78-8	43
4	5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	43
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

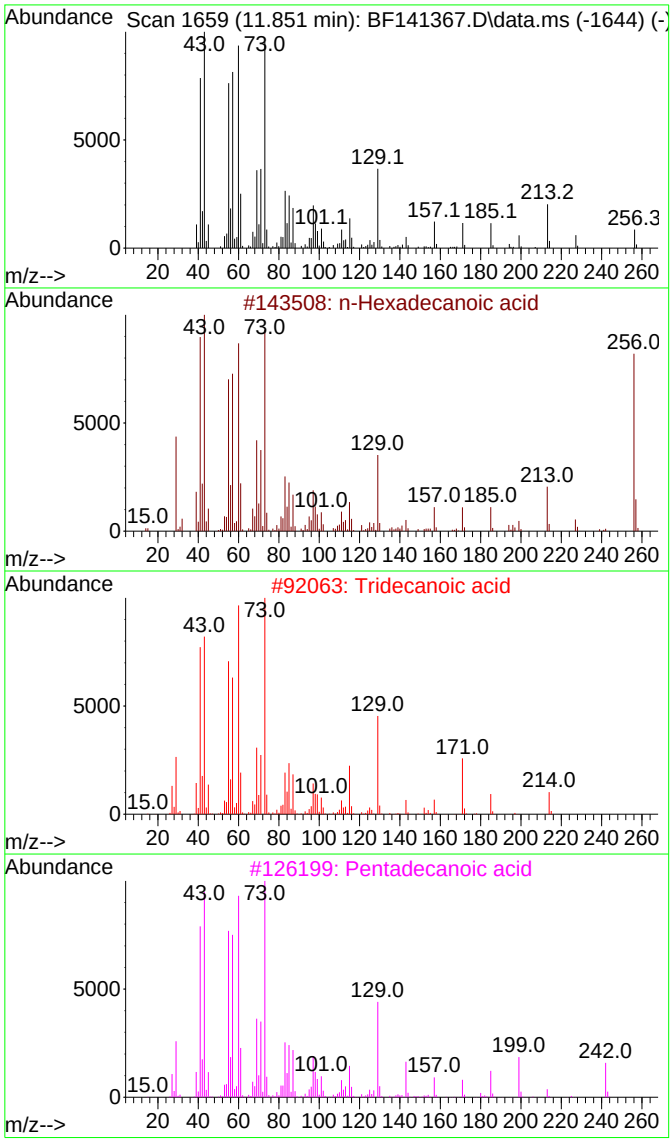
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

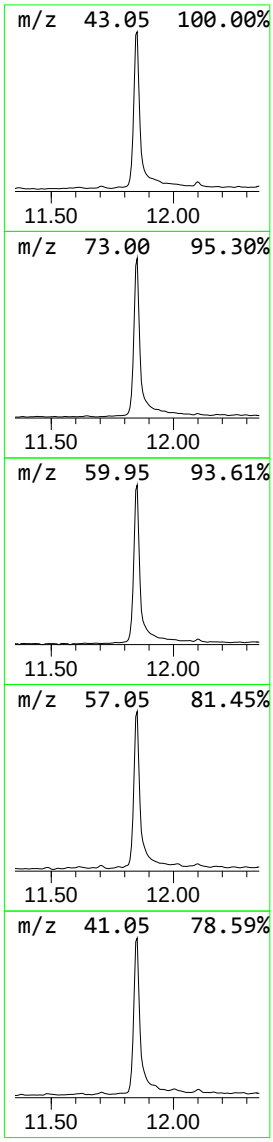
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	14.71 ng	748088	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
5	n-Decanoic acid	172	C10H20O2	000334-48-5	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

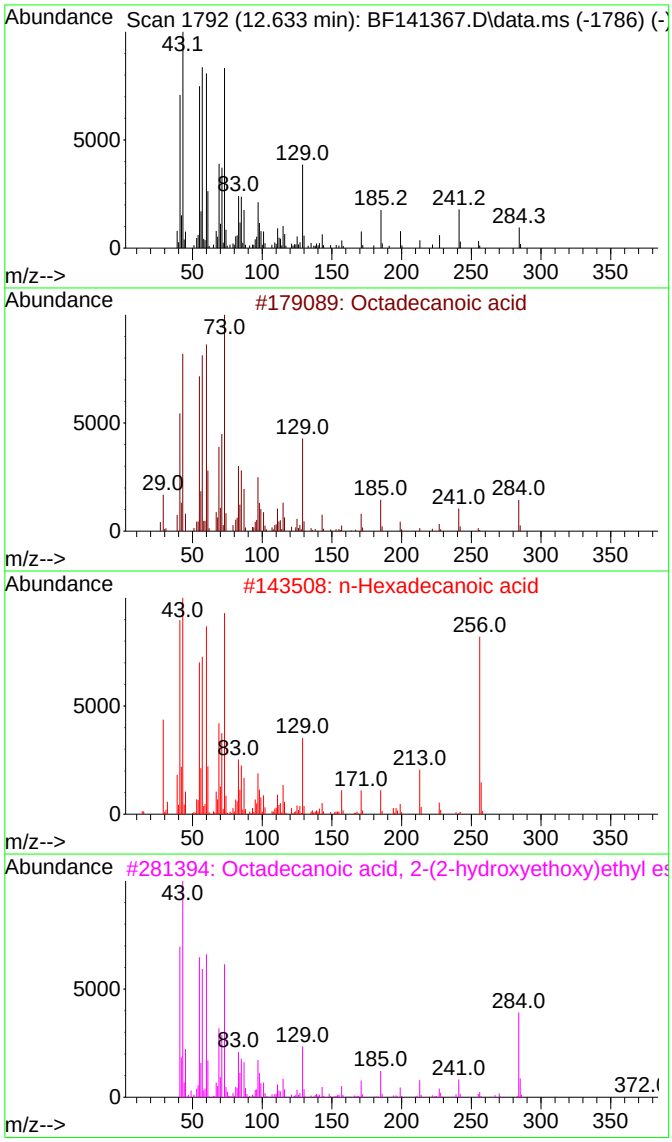
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

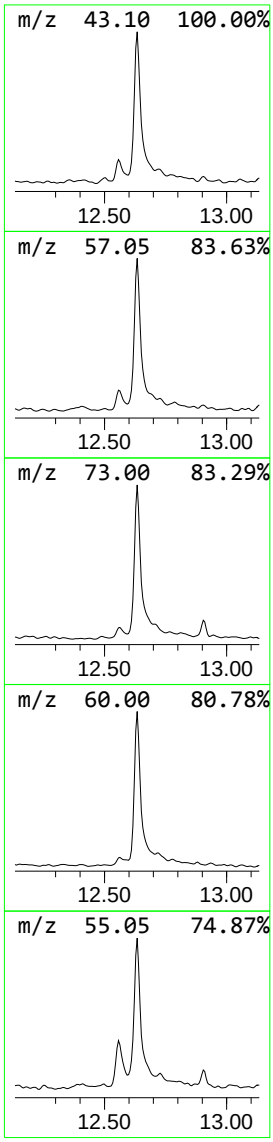
****

Peak Number 4 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.633	6.12 ng	311405	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

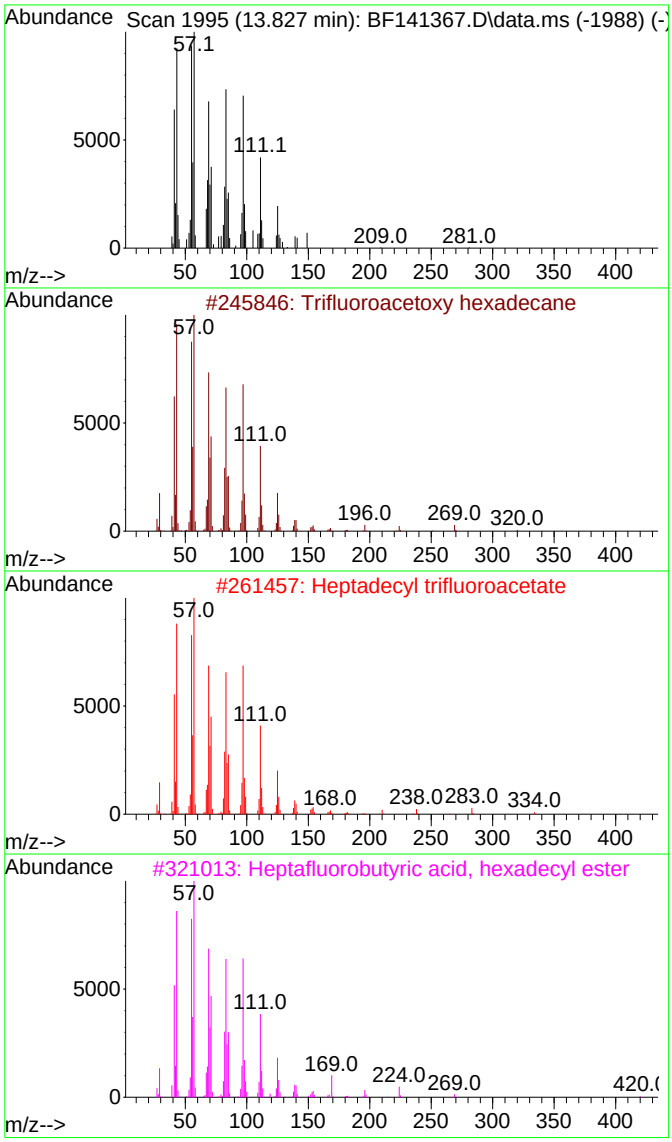
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

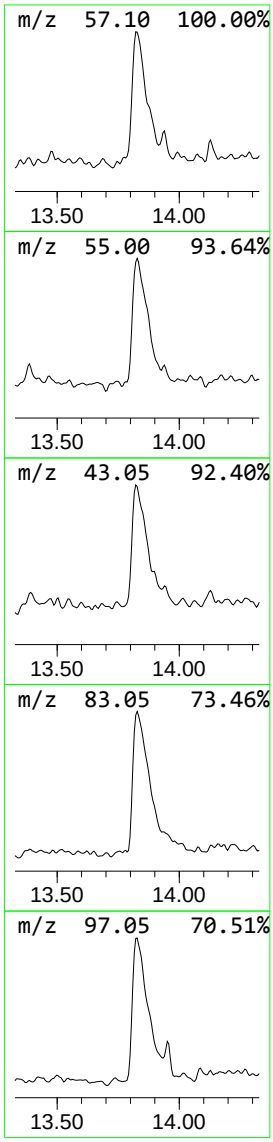
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Trifluoroacetoxy hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.827	3.82 ng	173686	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
2	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
4	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	91
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Propanol, 1-(...	8.322	3.2	ng	134149	2	8.075	833251	20.0
Benzophenone	10.545	2.0	ng	99544	3	9.828	971382	20.0
n-Hexadecanoic ...	11.851	14.7	ng	748088	4	11.316	1016970	20.0
Octadecanoic acid	12.633	6.1	ng	311405	4	11.316	1016970	20.0
Trifluoroacetox...	13.827	3.8	ng	173686	5	13.957	910318	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Time: Feb 04 16:08:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

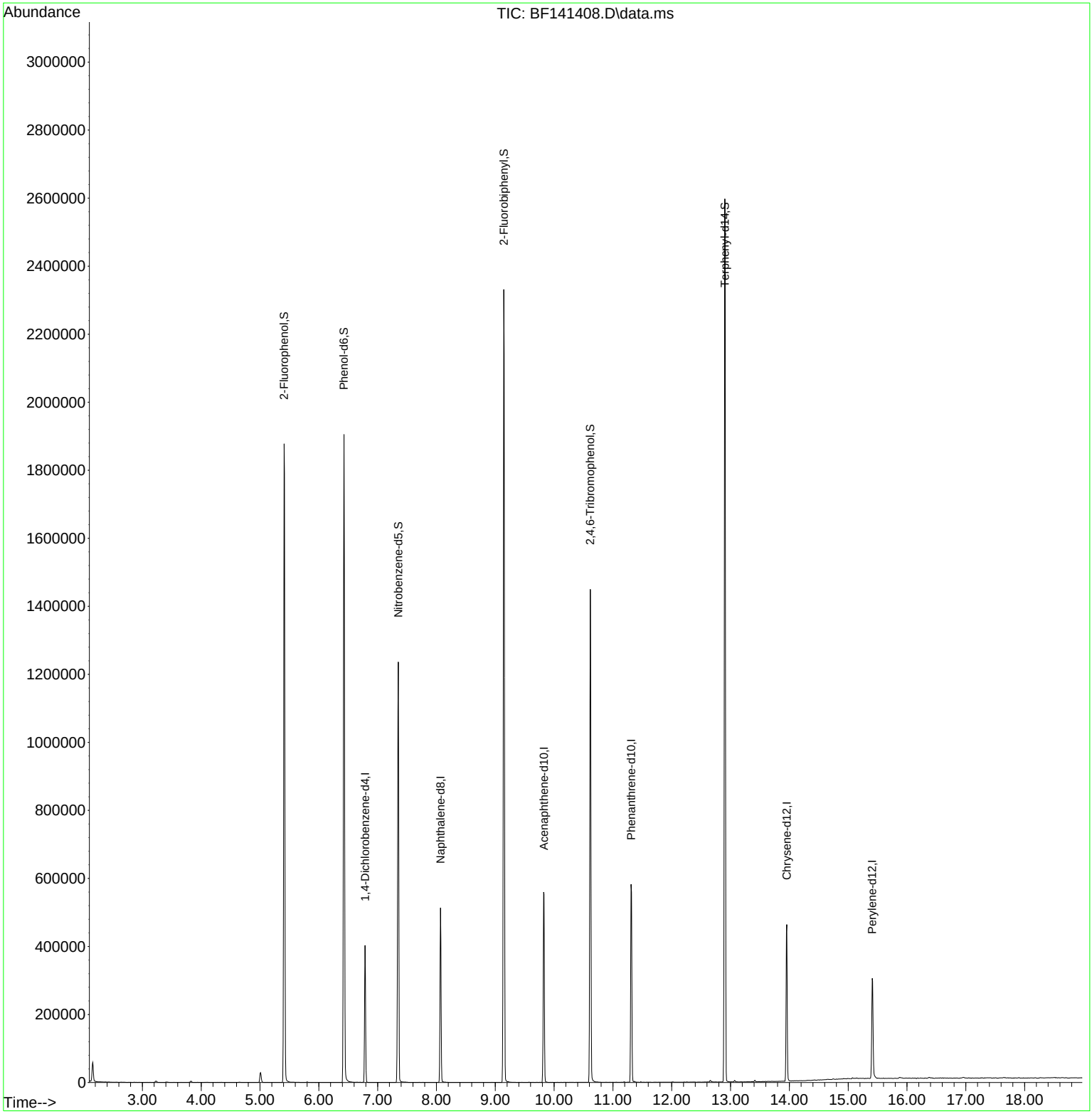
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	79060	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	317518	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	174923	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	303054	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	230654	20.000	ng	#-0.02
86) Perylene-d12	15.410	264	181526	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	678321	131.718	ng	0.00
7) Phenol-d6	6.428	99	827808	126.359	ng	-0.01
23) Nitrobenzene-d5	7.351	82	552962	91.807	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	228163	142.278	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1055957	92.916	ng	-0.02
79) Terphenyl-d14	12.904	244	1280663	85.627	ng	-0.01
Target Compounds						Qvalue

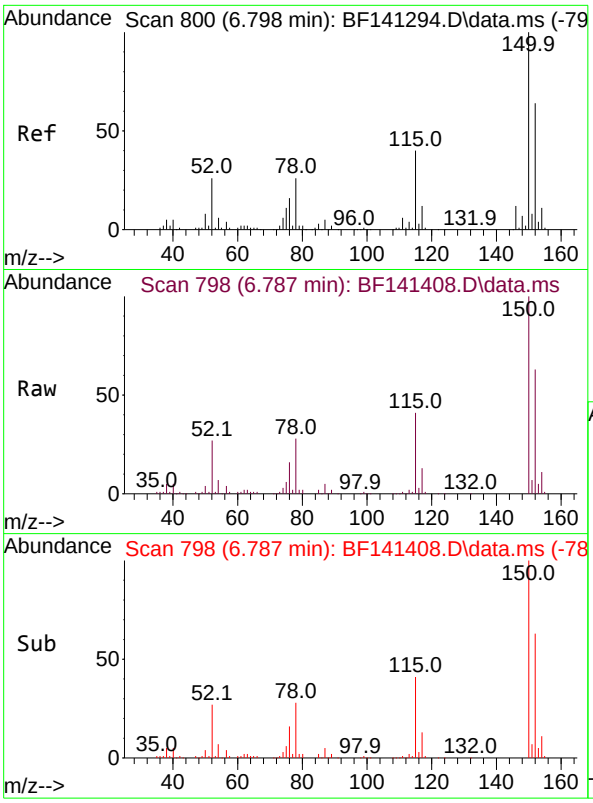
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Time: Feb 04 16:08:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



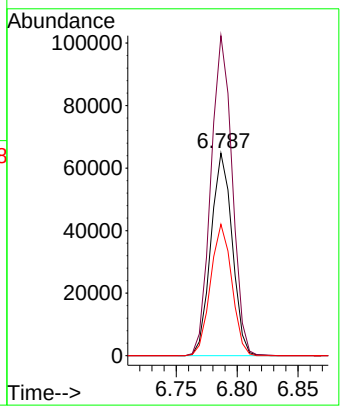


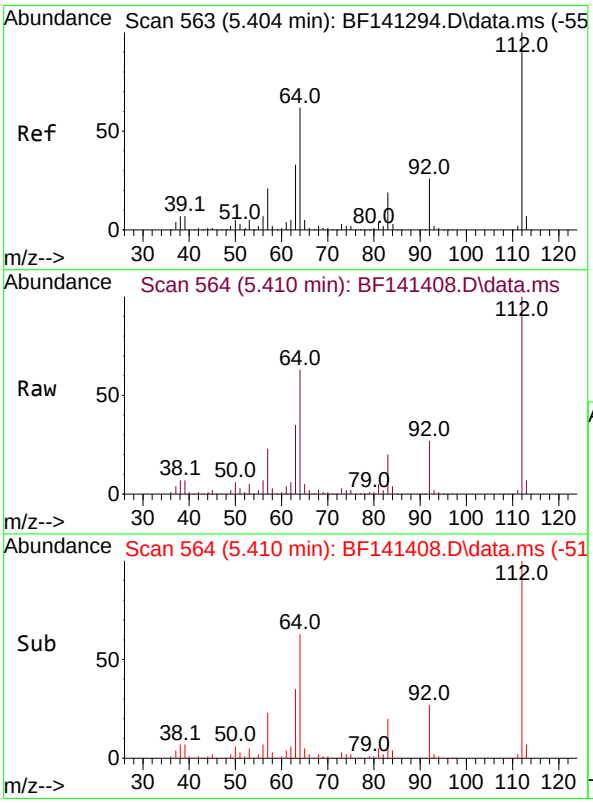
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion:152 Resp: 79060

Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.9	188.9
115	64.9	49.7	74.5

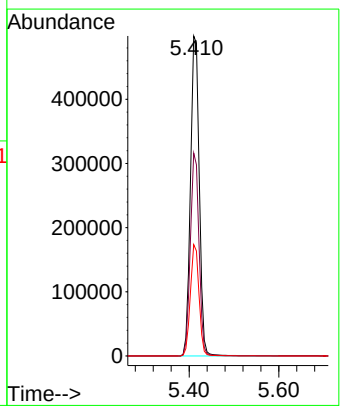


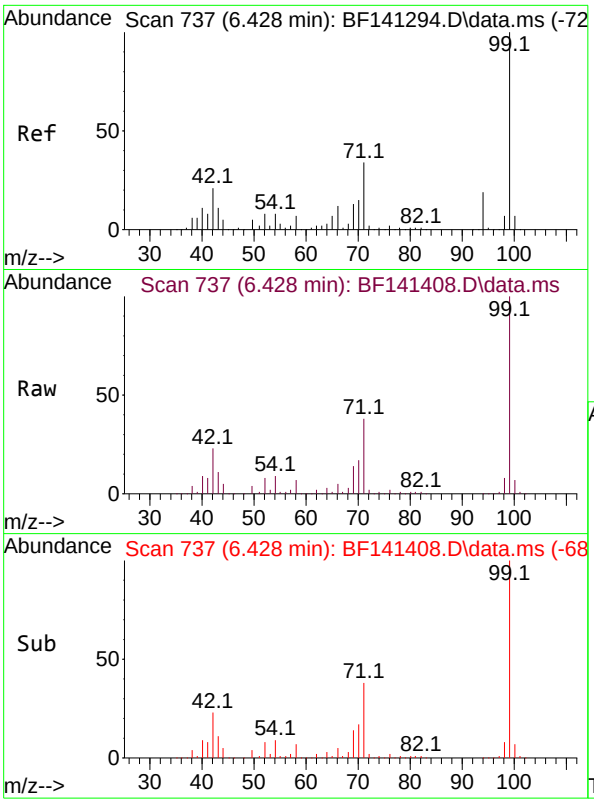


#5
2-Fluorophenol
Concen: 131.718 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:112 Resp: 678321

Ion	Ratio	Lower	Upper
112	100		
64	63.4	49.8	74.8
63	34.8	26.1	39.1



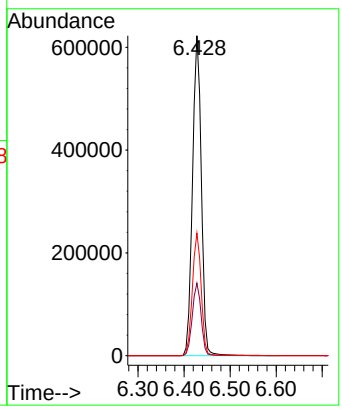


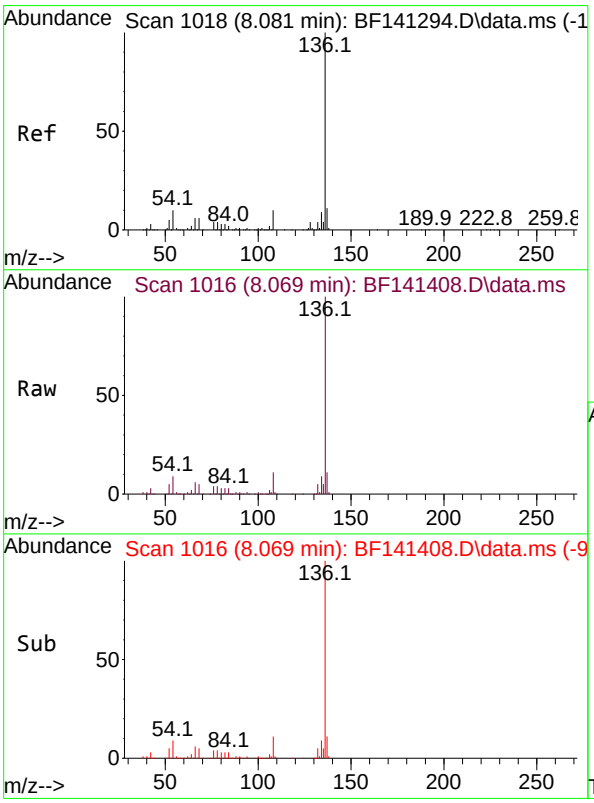
#7
Phenol-d6
Concen: 126.359 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion: 99 Resp: 827808

Ion	Ratio	Lower	Upper
99	100		
42	22.6	17.1	25.7
71	38.3	26.9	40.3

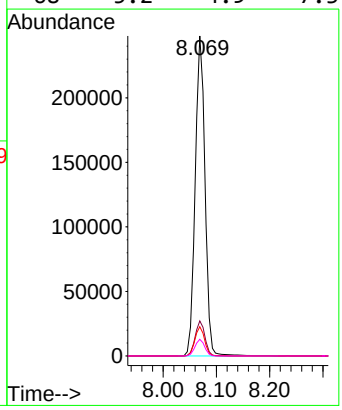


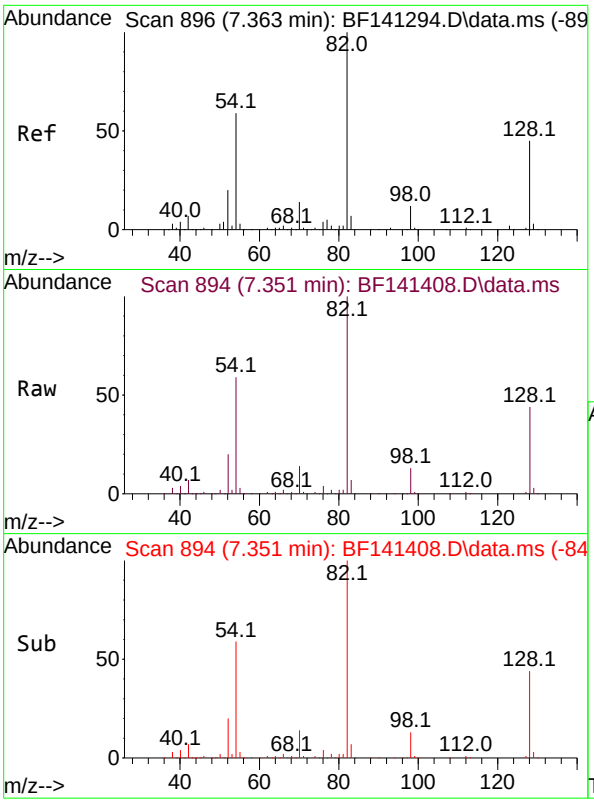


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:136 Resp: 317518

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.2	7.8	11.8
68	5.2	4.9	7.3



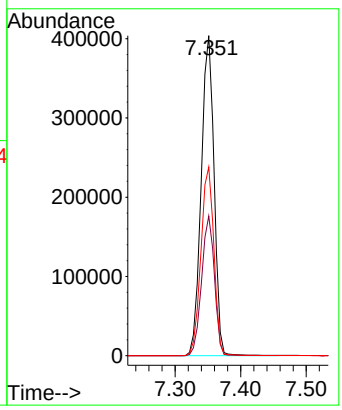


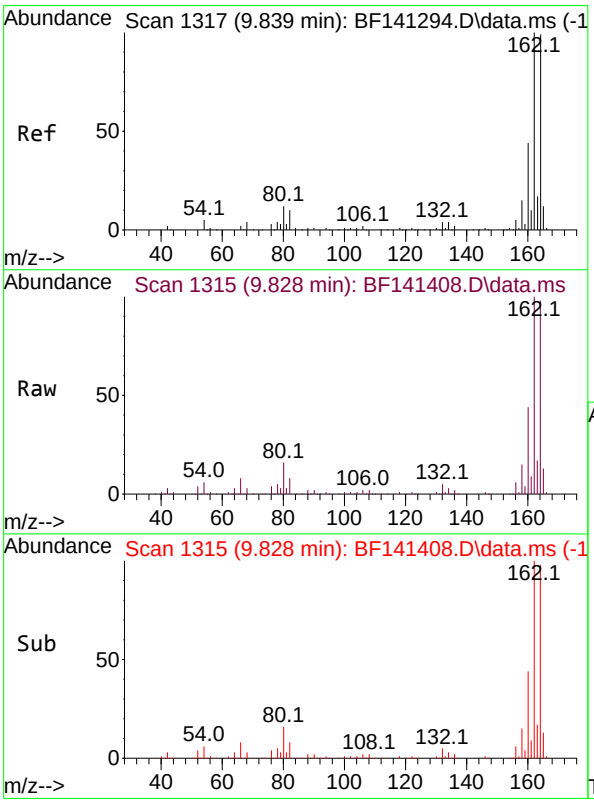
#23
Nitrobenzene-d5
Concen: 91.807 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion: 82 Resp: 552962

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.7	53.5
54	59.0	47.1	70.7

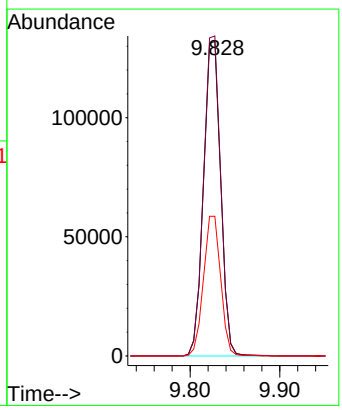


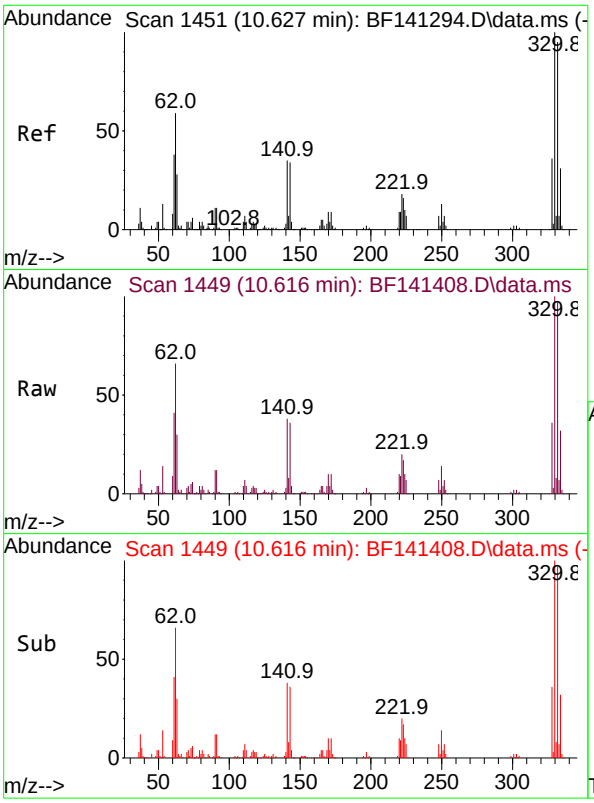


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:164 Resp: 174923

Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	121.0
160	44.4	35.8	53.6



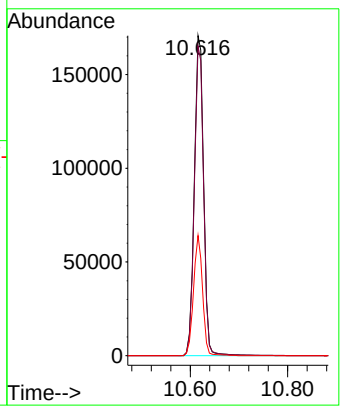


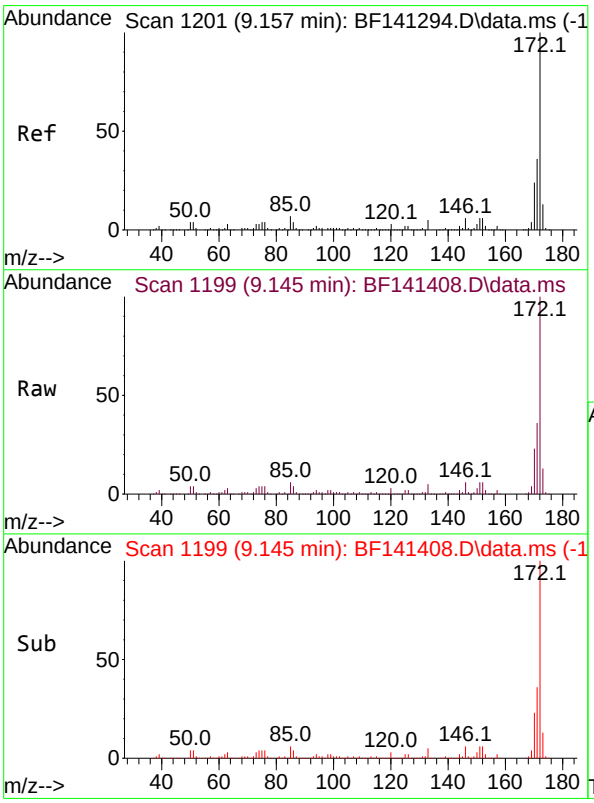
#42
2,4,6-Tribromophenol
Concen: 142.278 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion:330 Resp: 228163

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.1	114.1
141	36.5	28.8	43.2

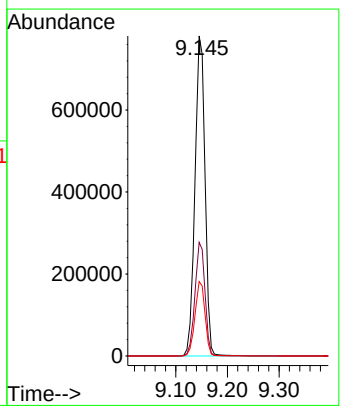


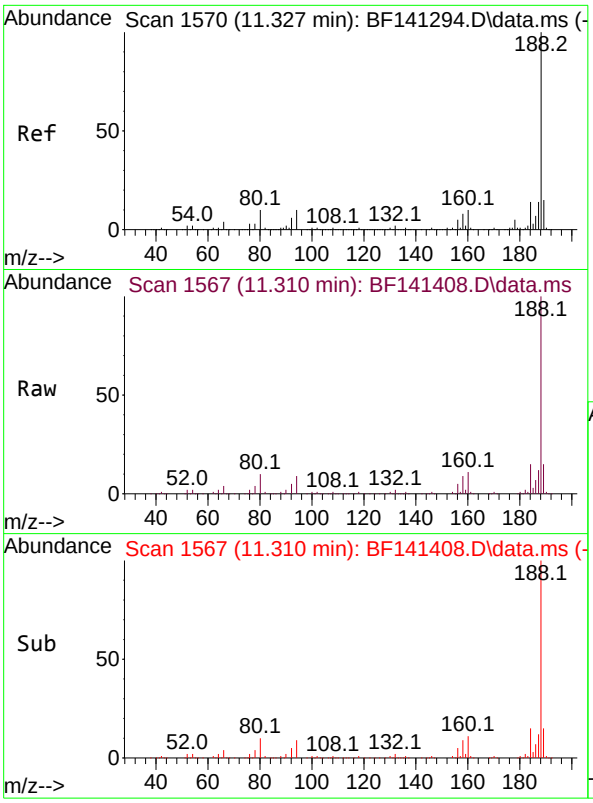


#45
2-Fluorobiphenyl
Concen: 92.916 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:172 Resp: 1055957

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.3	19.0	28.6



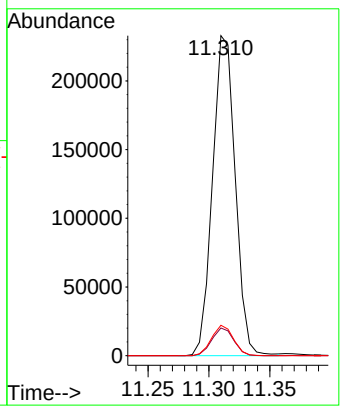


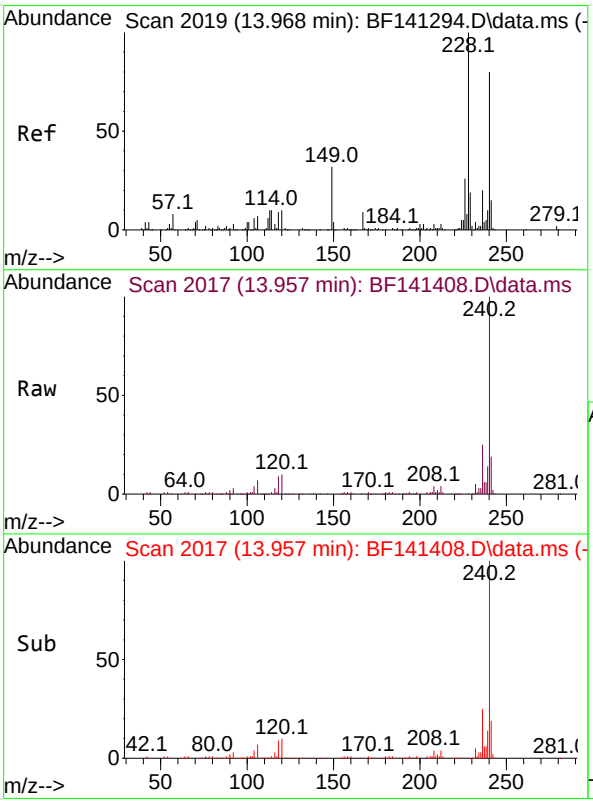
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion:188 Resp: 303054

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.8	11.6
80	9.5	8.2	12.4

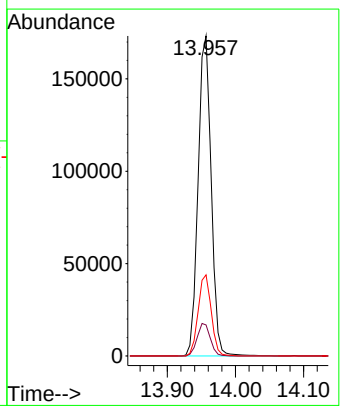


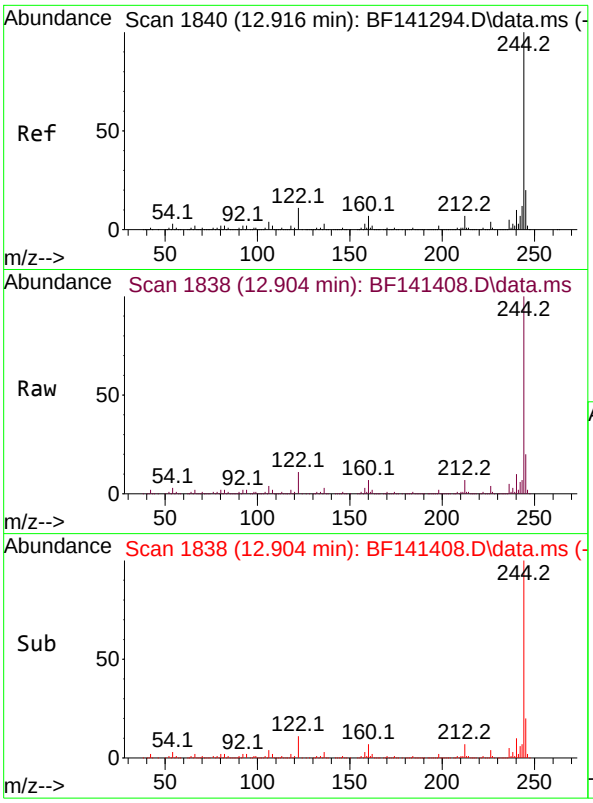


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:240 Resp: 230654

Ion	Ratio	Lower	Upper
240	100		
120	9.7	10.0	15.0#
236	25.4	19.7	29.5



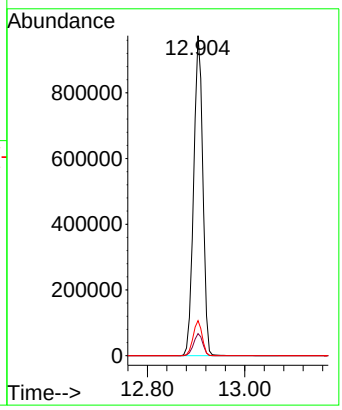


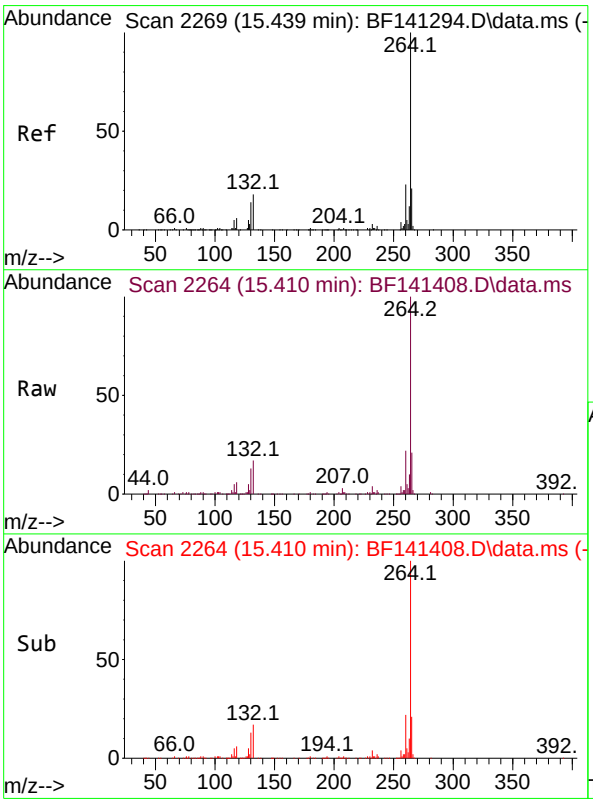
#79
Terphenyl-d14
Concen: 85.627 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion:244 Resp: 1280663

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.0	8.8	13.2

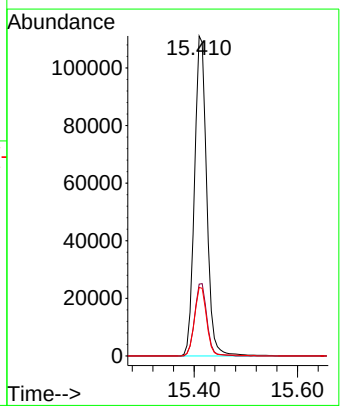




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.030 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:264 Resp: 181526

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.6	27.8
265	21.4	16.7	25.1



Sample Results: **BF141408.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141408.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.157	5	11	17	rVB	55221	84730	2.50%	0.447%
2	5.010	490	496	503	rBV	28766	45988	1.36%	0.243%
3	5.410	559	564	585	rBV	1877248	2519570	74.44%	13.292%
4	6.428	731	737	757	rBV	1904932	2536447	74.94%	13.381%
5	6.787	793	798	803	rBV	402329	487504	14.40%	2.572%
6	7.351	887	894	899	rBV	1236119	1684732	49.78%	8.888%
7	8.069	1011	1016	1028	rBV	513059	648008	19.15%	3.418%
8	9.145	1193	1199	1205	rBV	2331183	3103486	91.70%	16.372%
9	9.822	1309	1314	1320	rBV	559095	735775	21.74%	3.881%
10	10.616	1443	1449	1474	rBV	1449246	1884706	55.69%	9.943%
11	11.310	1562	1567	1575	rBV	581584	749720	22.15%	3.955%
12	12.904	1832	1838	1843	rBV	2596447	3384550	100.00%	17.855%
13	13.957	2011	2017	2030	rBV	460587	614395	18.15%	3.241%
14	15.410	2258	2264	2278	rVB	294071	476338	14.07%	2.513%

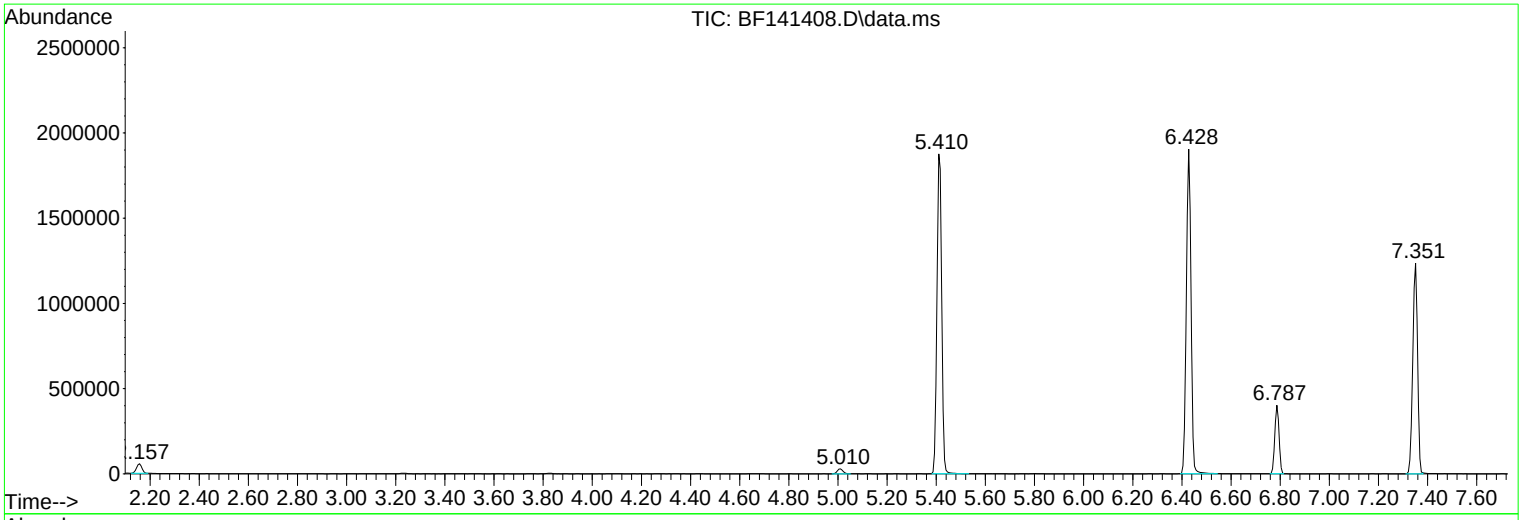
Sum of corrected areas: 18955949

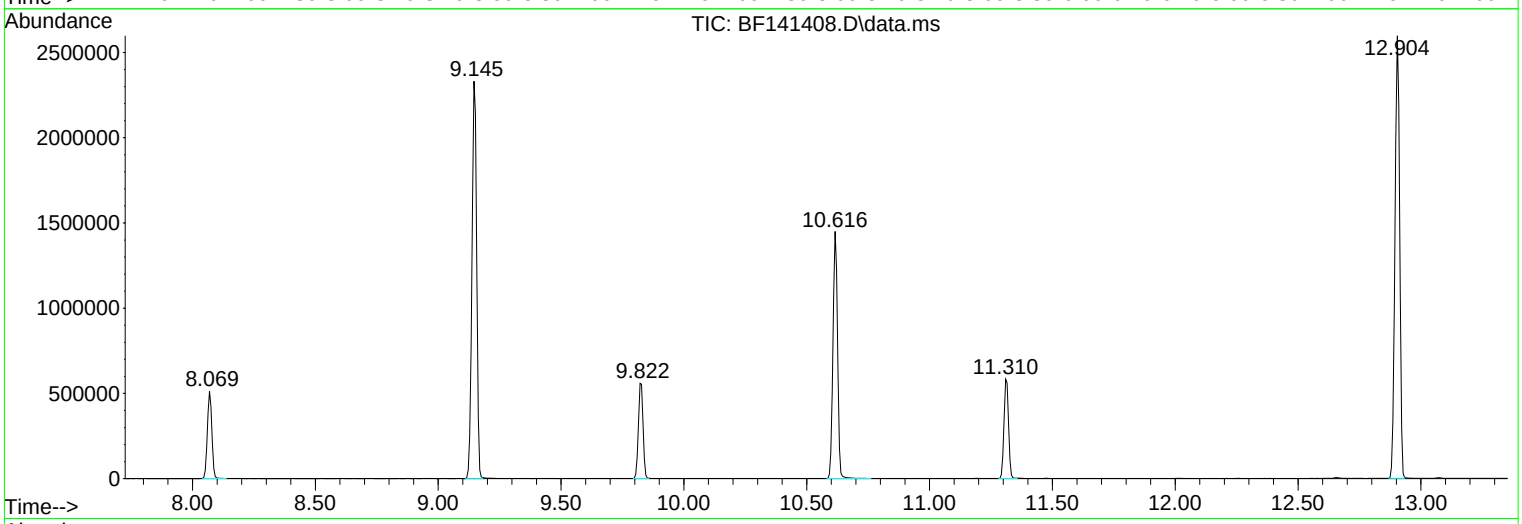
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

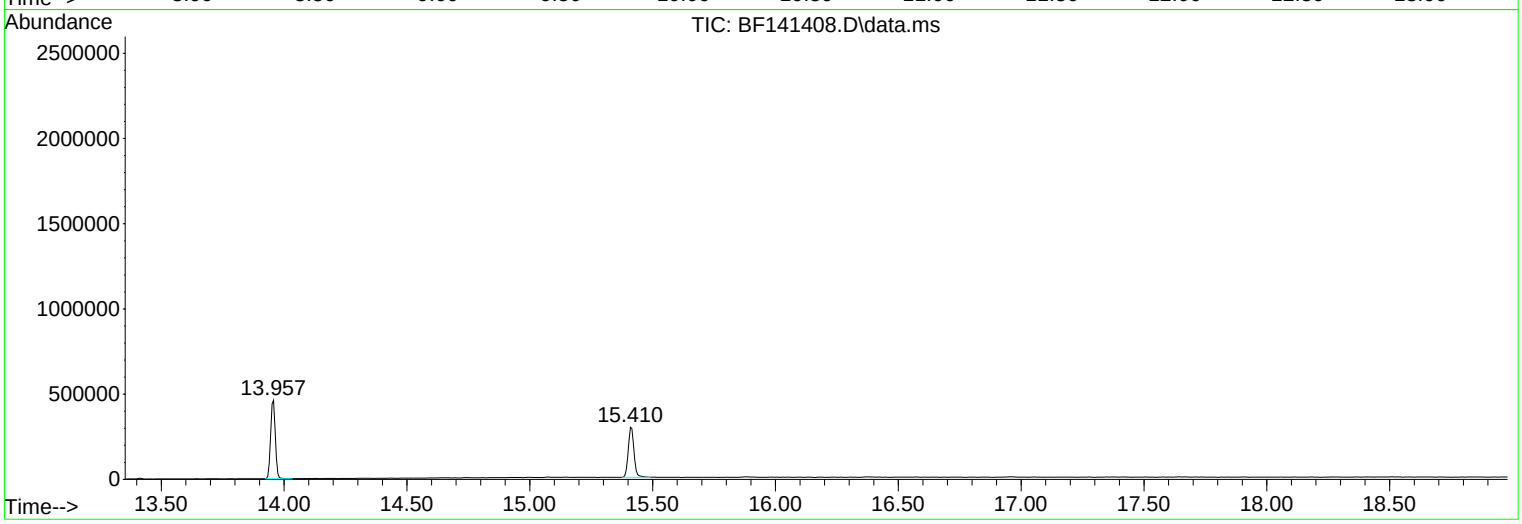
Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

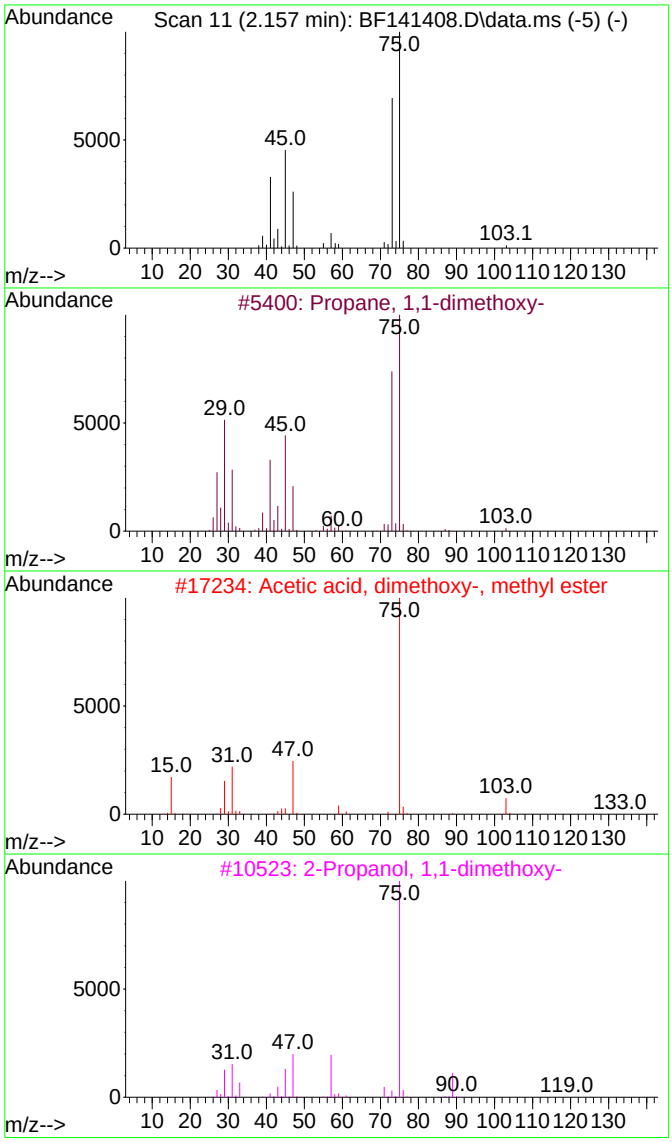
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

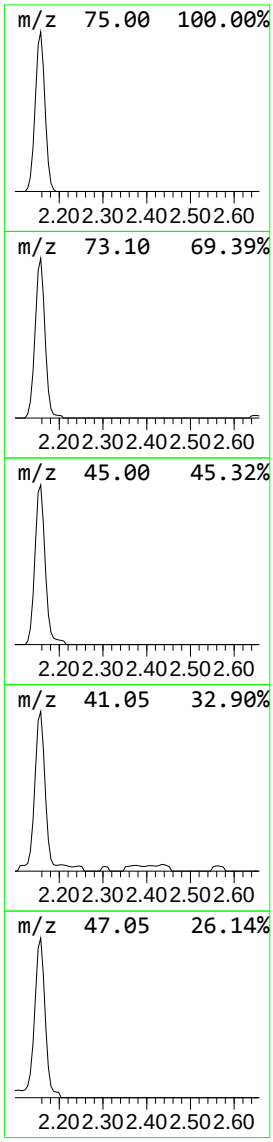
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.157	3.48 ng	84730	1,4-Dichlorobenzene-d4	6.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	74
2	Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	40
3	2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	36
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	22
5	Thiocyanic acid, methyl ester	73	C2H3NS	000556-64-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-di...	2.157	3.5	ng	84730	1	6.787	487504	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Time: Jan 30 14:56:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

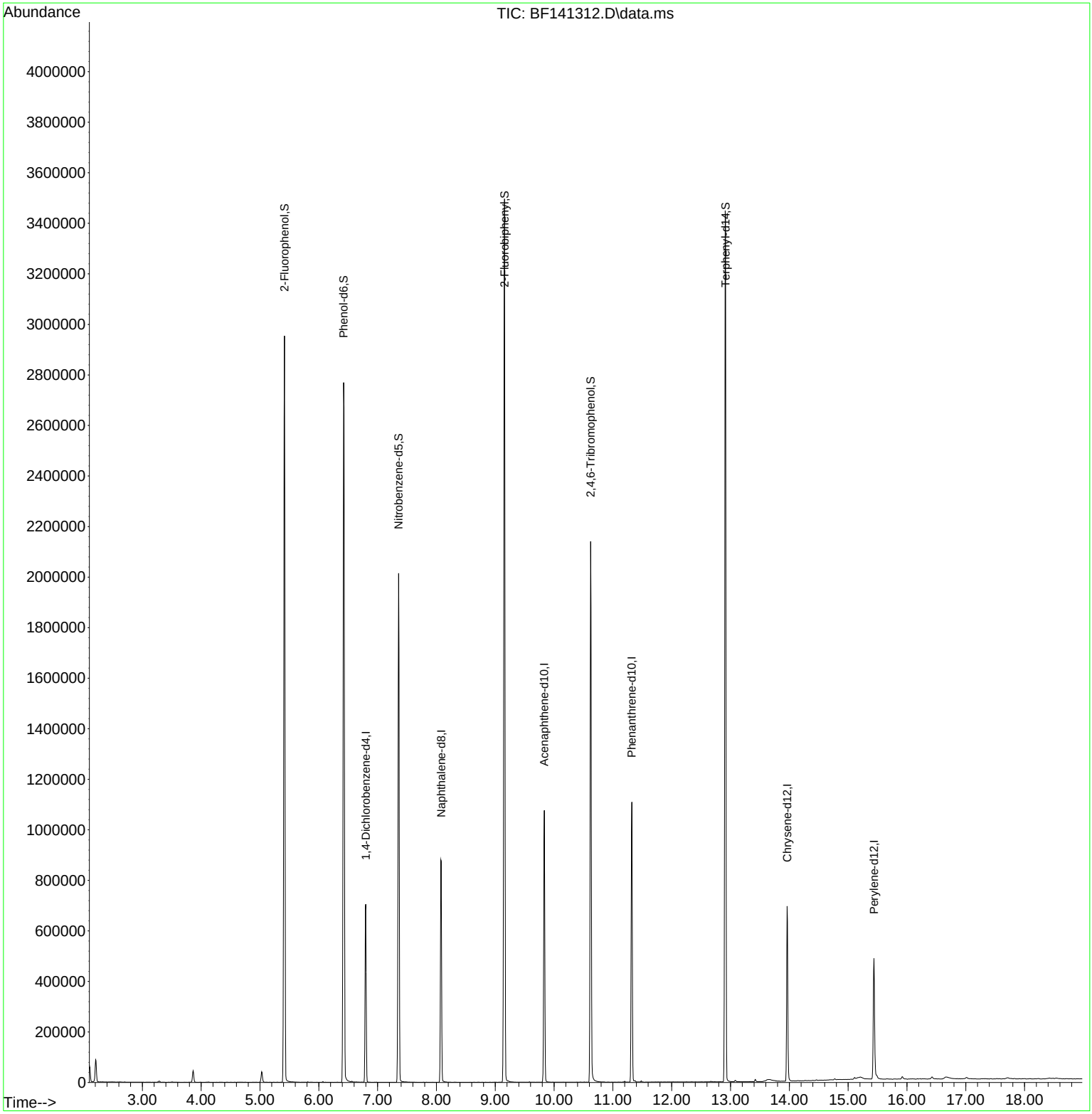
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146115	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	599878	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	324432	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	552085	20.000	ng	0.00
76) Chrysene-d12	13.963	240	345336	20.000	ng	-0.01
86) Perylene-d12	15.439	264	288136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1139750	119.751	ng	0.00
7) Phenol-d6	6.422	99	1418217	117.134	ng	-0.02
23) Nitrobenzene-d5	7.357	82	926335	81.405	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	357023	120.036	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1650886	78.322	ng	0.00
79) Terphenyl-d14	12.916	244	1827244	81.600	ng	0.00
Target Compounds						Qvalue

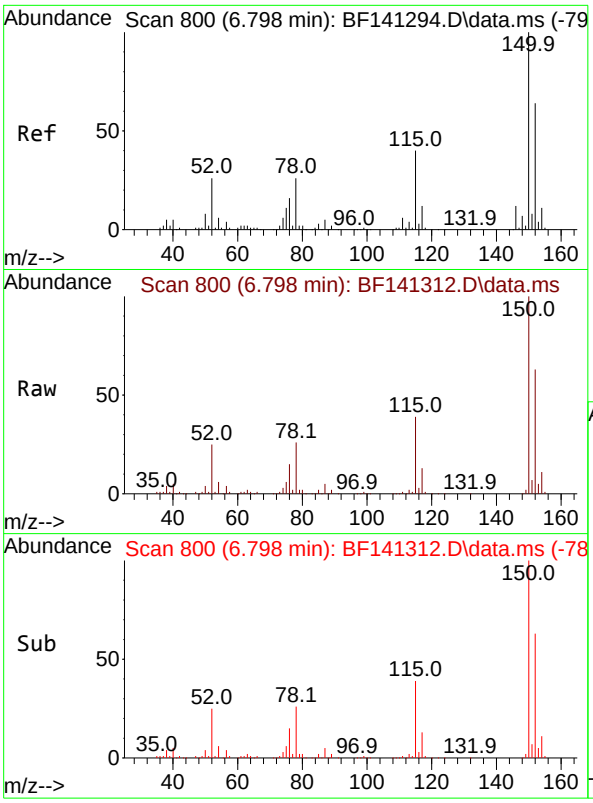
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Time: Jan 30 14:56:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



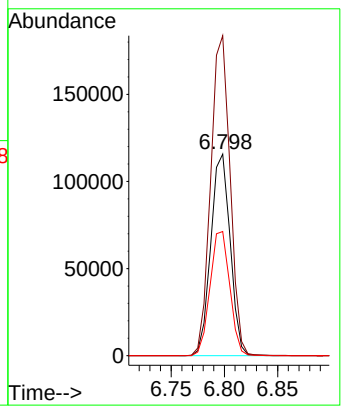


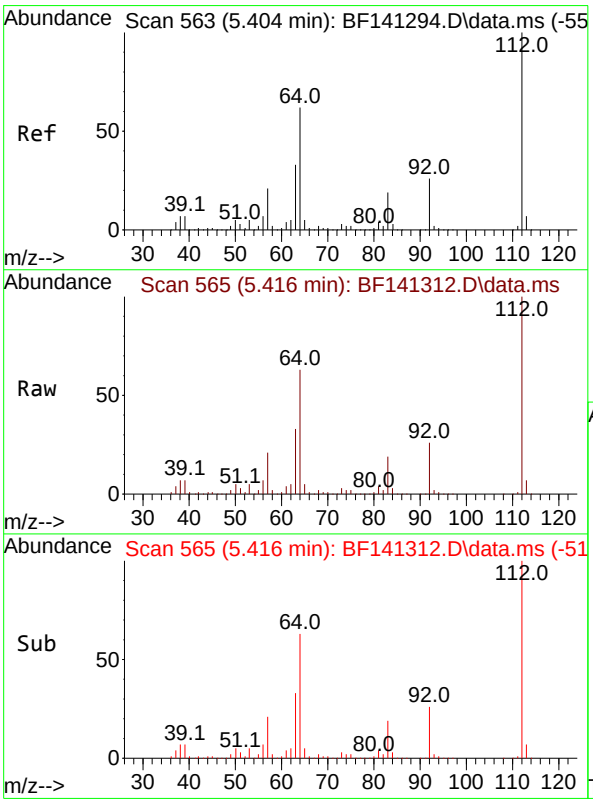
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion:152 Resp: 146115

Ion	Ratio	Lower	Upper
152	100		
150	158.7	125.9	188.9
115	61.6	49.7	74.5

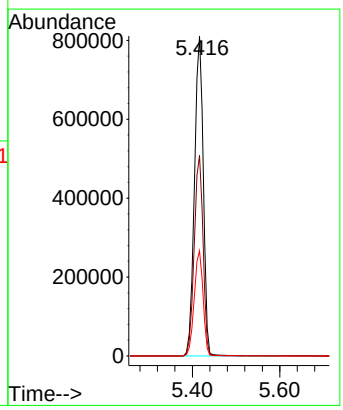


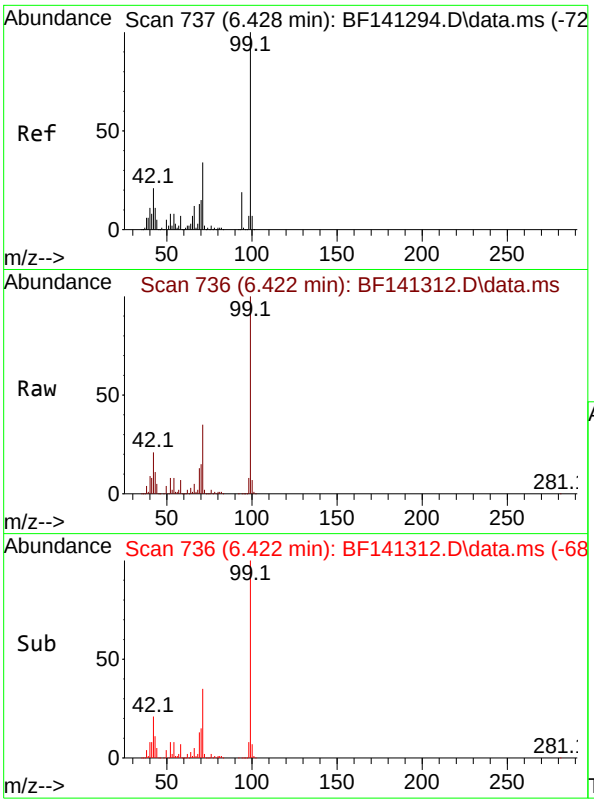


#5
2-Fluorophenol
Concen: 119.751 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:112 Resp: 1139750

Ion	Ratio	Lower	Upper
112	100		
64	62.7	49.8	74.8
63	32.8	26.1	39.1



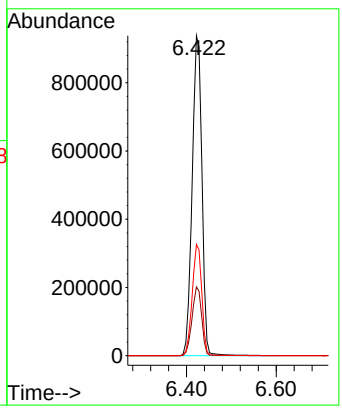


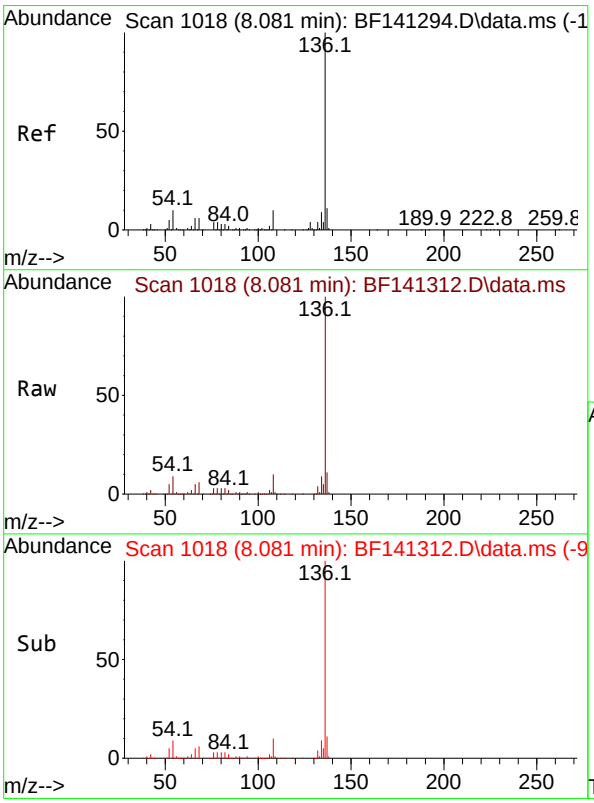
#7
Phenol-d6
Concen: 117.134 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion: 99 Resp: 1418217

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.1	25.7
71	34.7	26.9	40.3

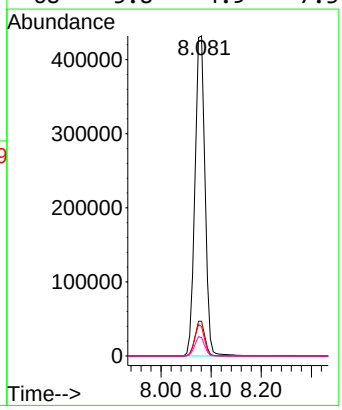


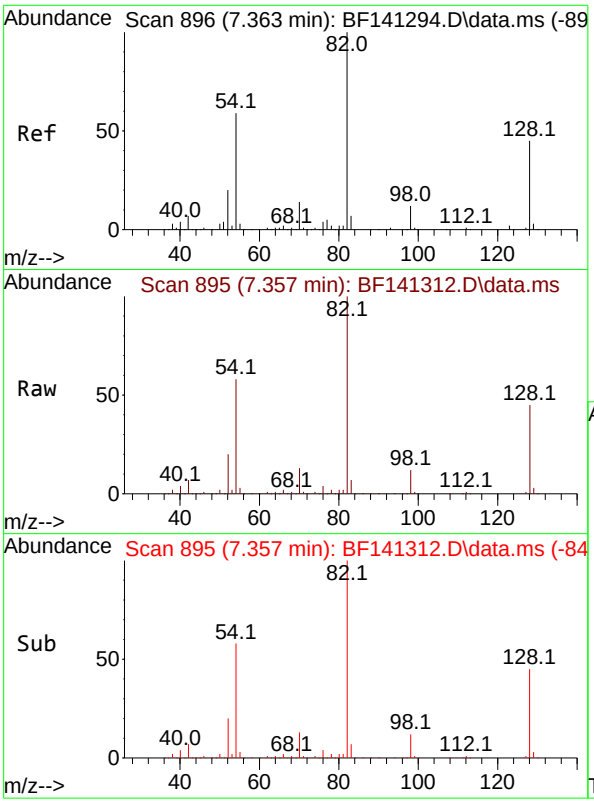


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:136 Resp: 599878

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.2	7.8	11.8
68	5.8	4.9	7.3



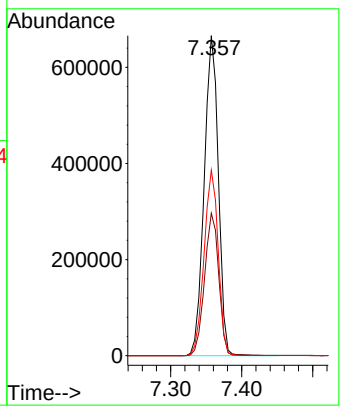


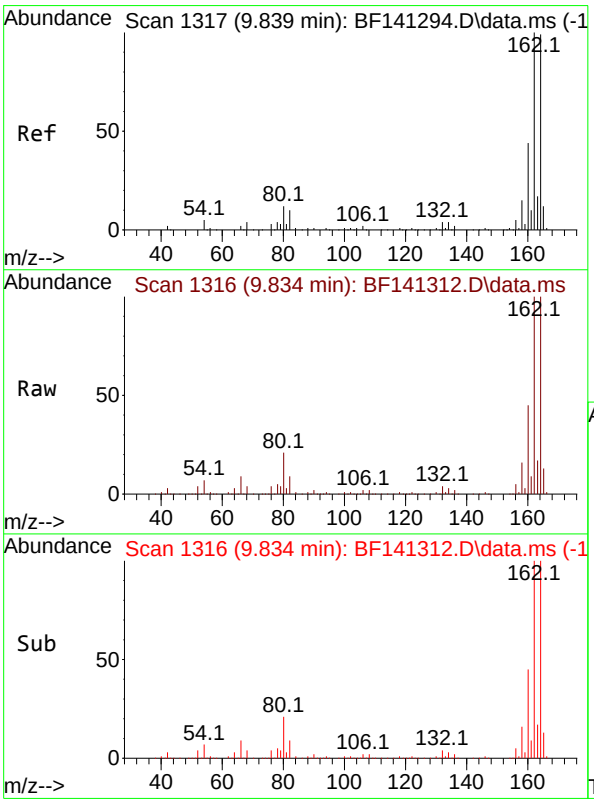
#23
Nitrobenzene-d5
Concen: 81.405 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion: 82 Resp: 926335

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.7	53.5
54	58.0	47.1	70.7

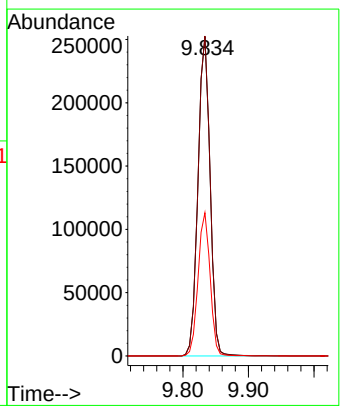


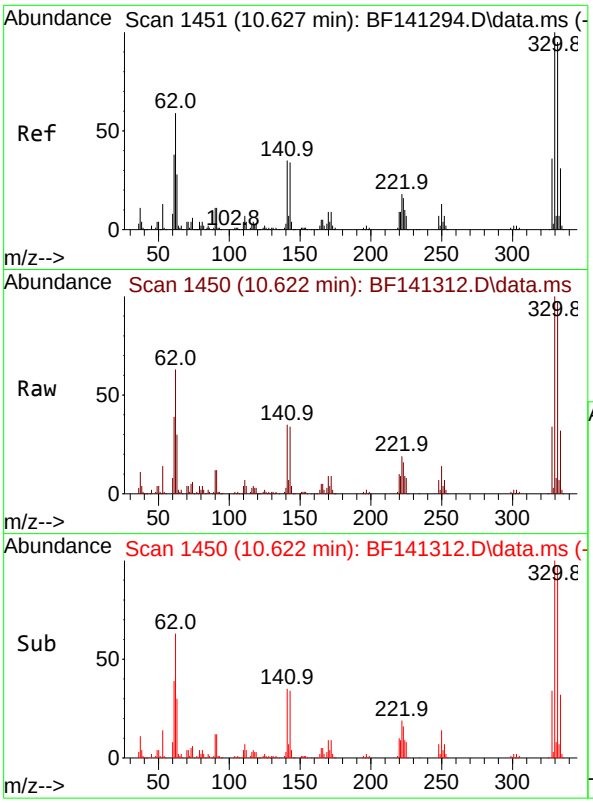


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:164 Resp: 324432

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	121.0
160	44.9	35.8	53.6



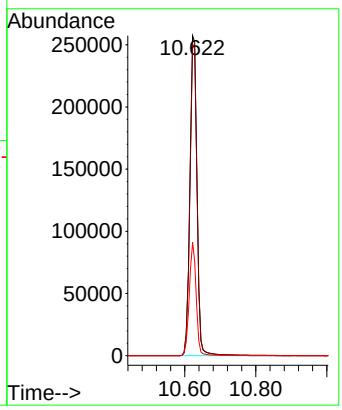


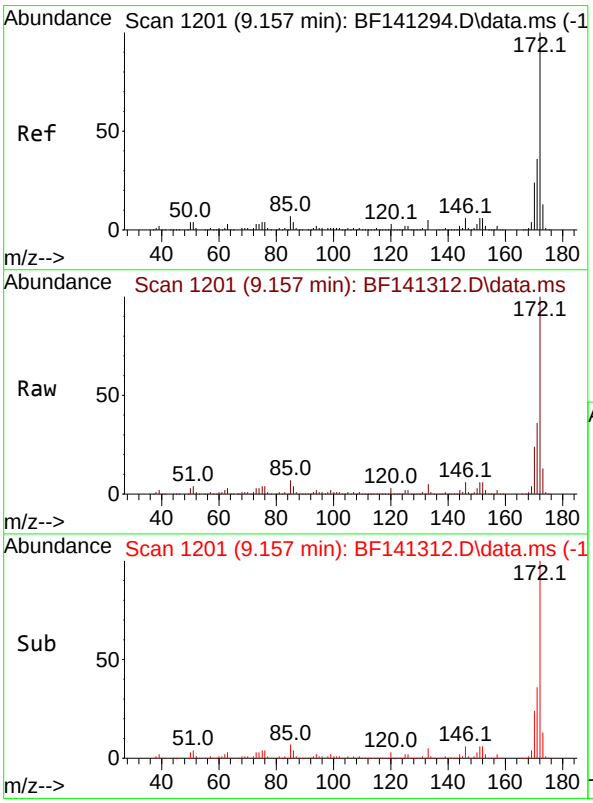
#42
2,4,6-Tribromophenol
Concen: 120.036 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion:330 Resp: 357023

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.1	114.1
141	34.4	28.8	43.2

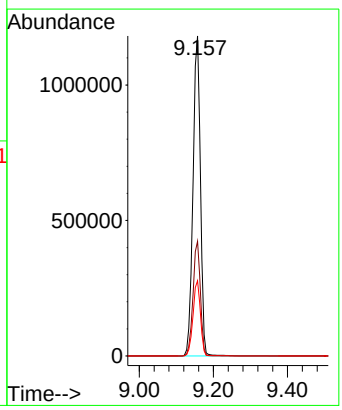


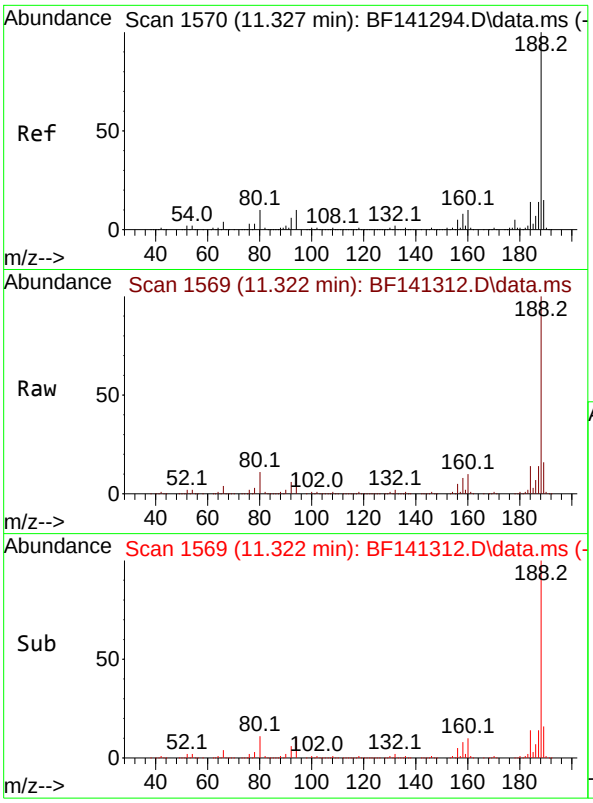


#45
2-Fluorobiphenyl
Concen: 78.322 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:172 Resp: 1650886

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.5	19.0	28.6



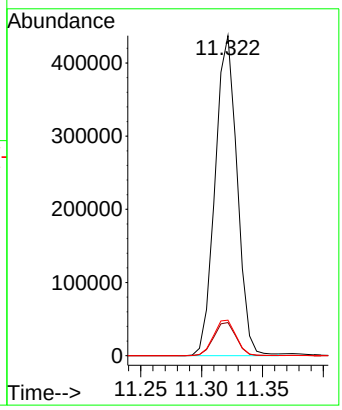


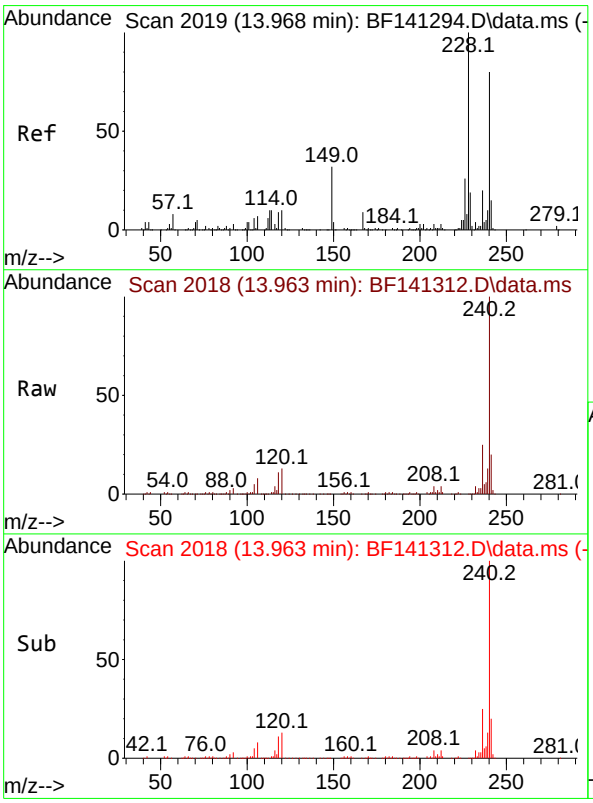
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion:188 Resp: 552085

Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.8	11.6
80	11.1	8.2	12.4

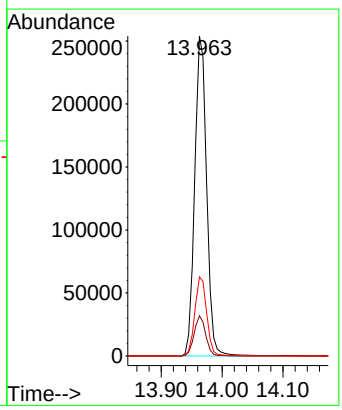


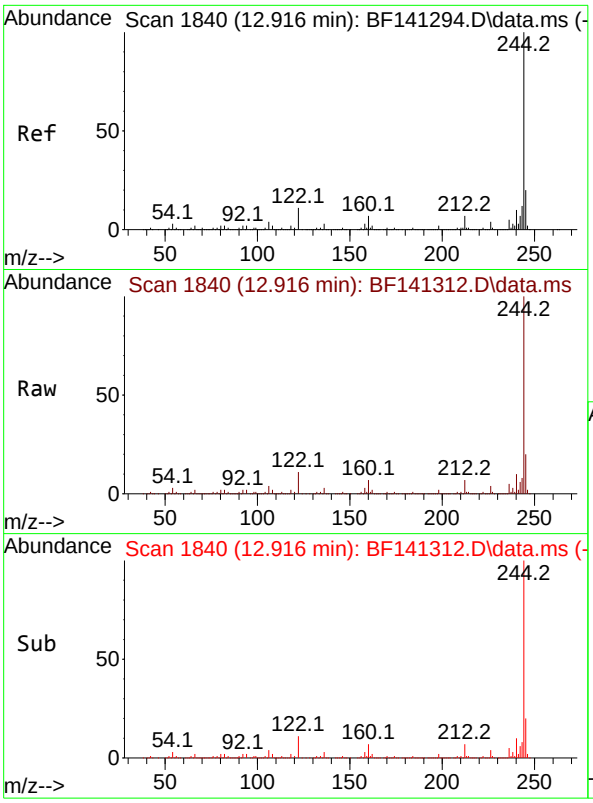


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:240 Resp: 345336

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	24.7	19.7	29.5



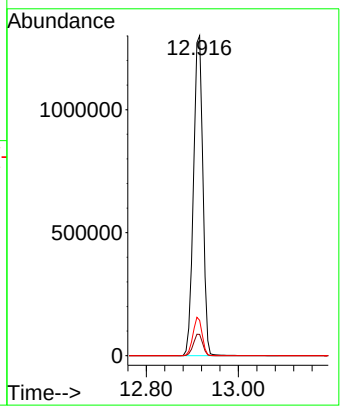


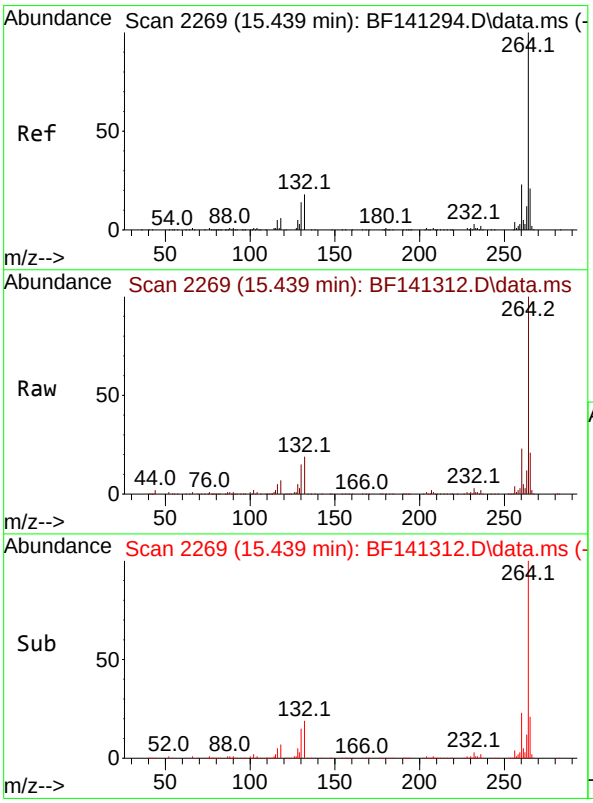
#79
Terphenyl-d14
Concen: 81.600 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion:244 Resp: 1827244

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.0	8.8	13.2

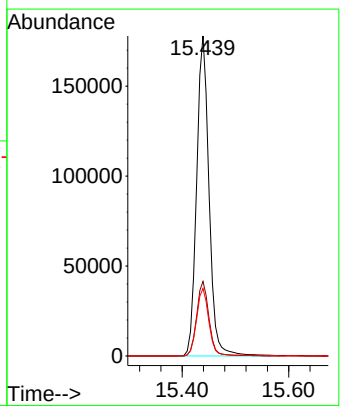




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:264 Resp: 288136

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.1	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141312.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.205	12	19	29	rVB	87834	141412	2.91%	0.462%
2	3.863	294	301	311	rVB	45917	74935	1.54%	0.245%
3	5.028	489	499	509	rBV	41368	67598	1.39%	0.221%
4	5.416	558	565	570	rBV	2953487	4128195	85.05%	13.490%
5	6.422	729	736	742	rBV	2769311	4142045	85.34%	13.535%
6	6.798	794	800	805	rBV	703922	896894	18.48%	2.931%
7	7.357	888	895	900	rBV	2014311	2789400	57.47%	9.115%
8	8.075	1011	1017	1036	rBV	879846	1211726	24.96%	3.960%
9	9.157	1194	1201	1206	rBV	3495666	4853720	100.00%	15.861%
10	9.834	1310	1316	1330	rBV	1075502	1382194	28.48%	4.517%
11	10.622	1444	1450	1481	rBV	2139914	2902178	59.79%	9.484%
12	11.322	1563	1569	1576	rBV	1108051	1398591	28.81%	4.570%
13	12.910	1833	1839	1845	rBV	3446293	4844822	99.82%	15.832%
14	13.651	1946	1965	1980	rBV	8309	62513	1.29%	0.204%
15	13.963	2013	2018	2033	rBV	692036	926049	19.08%	3.026%
16	15.439	2262	2269	2289	rVB	476977	779356	16.06%	2.547%

Sum of corrected areas: 30601628

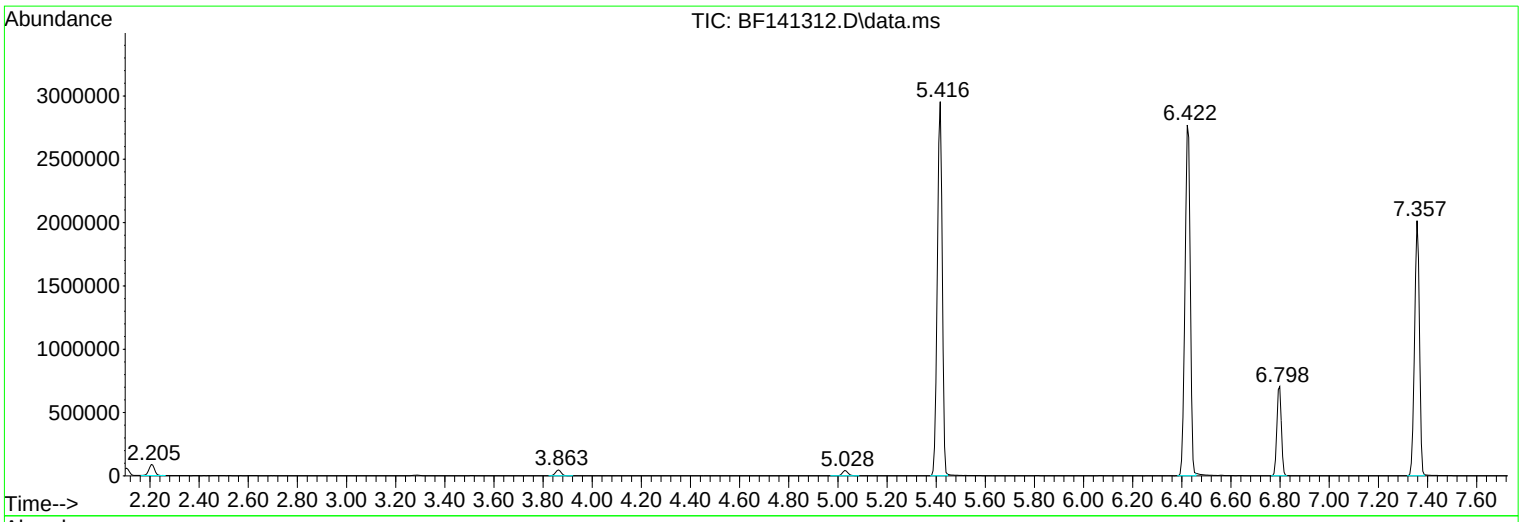
Sample Results: **BF141312.D**

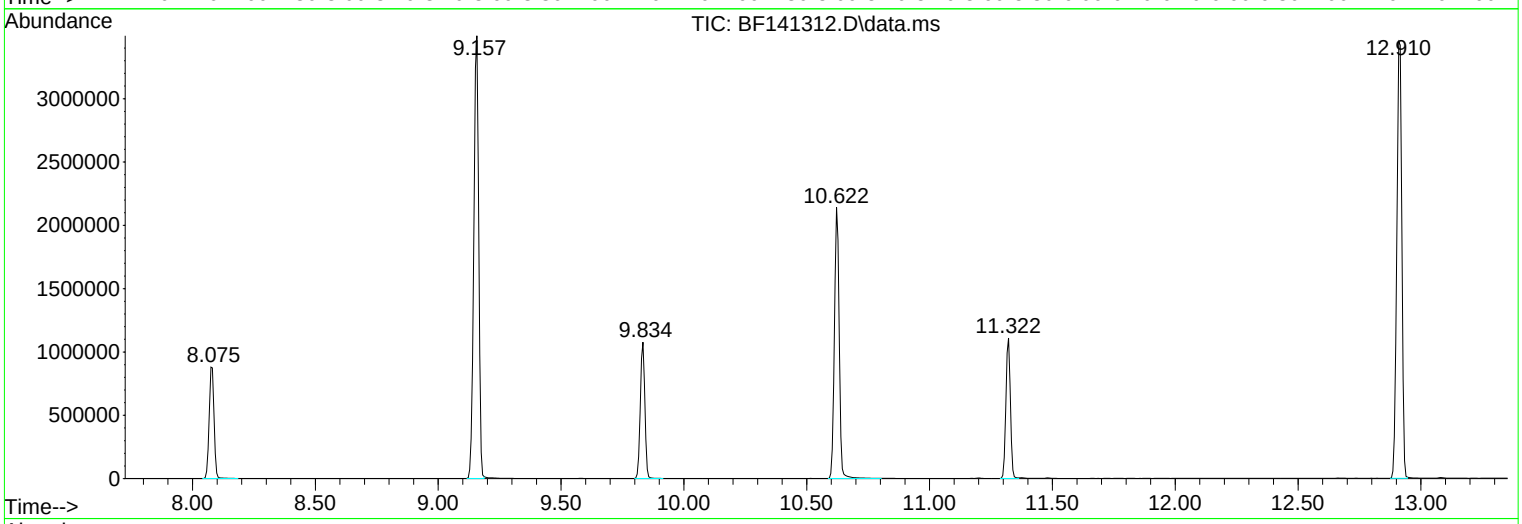
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

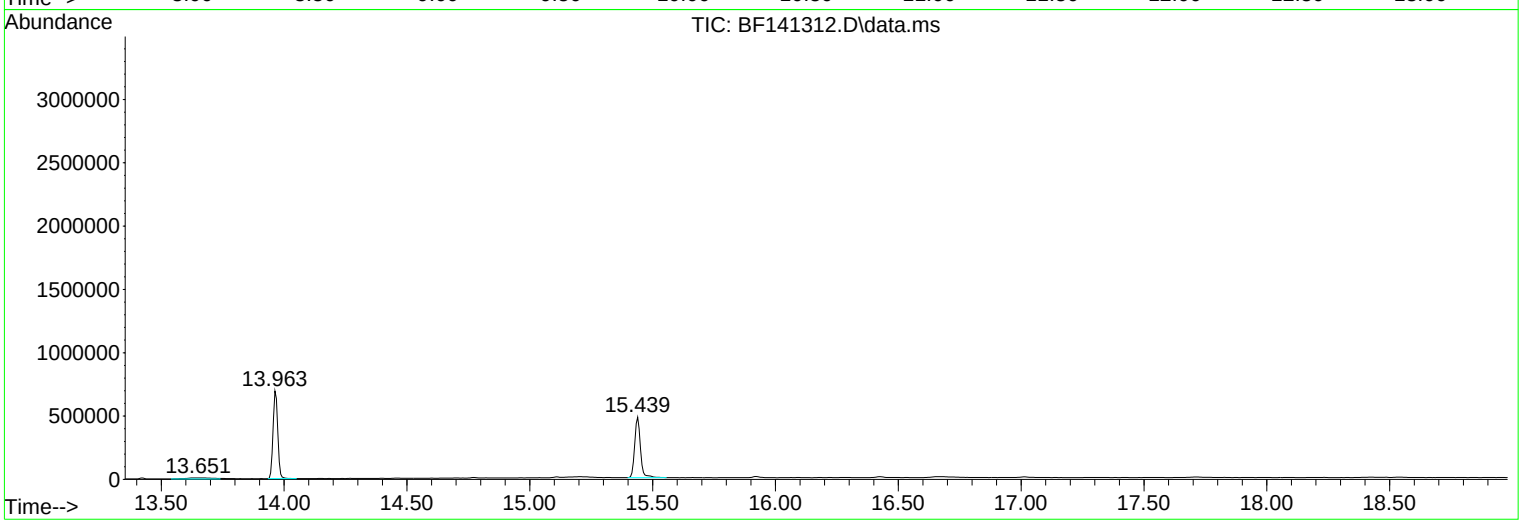
Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

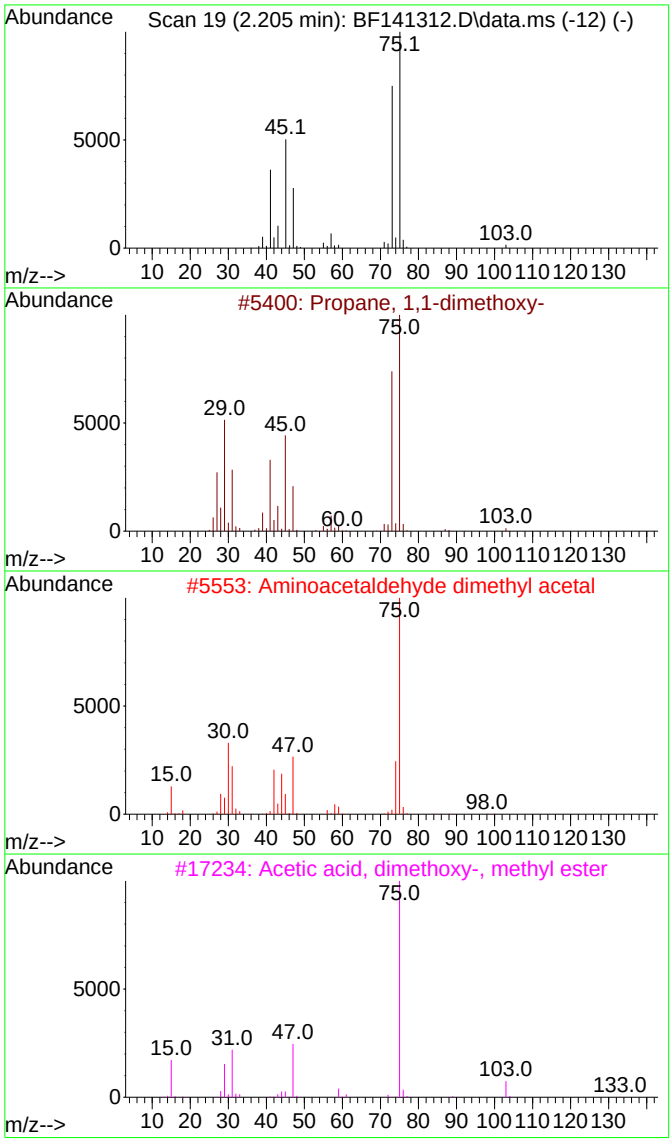
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

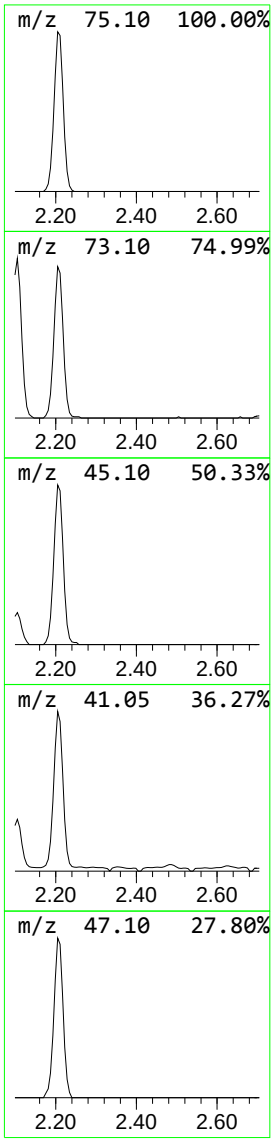
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.205	3.15 ng	141412	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	33
3	Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	28
4	Methane, trimethoxy-	106	C4H10O3	000149-73-5	28
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-di...	2.205	3.1	ng	141412	1	6.798	896894	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141439.D
Acq On : 05 Feb 2025 11:47
Operator : RC/JU
Sample : PB166294BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 05 12:09:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	72987	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	285622	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	157073	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	268815	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	187164	20.000	ng	-0.01
86) Perylene-d12	15.427	264	163935	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	630538	132.627	ng	0.00
7) Phenol-d6	6.434	99	771514	127.565	ng	0.00
23) Nitrobenzene-d5	7.357	82	515185	95.086	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	222970	154.841	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	954571	93.540	ng	-0.01
79) Terphenyl-d14	12.904	244	1162048	95.750	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.551	88	75727	36.218	ng	95
3) Pyridine	3.281	79	189020	37.521	ng	95
4) n-Nitrosodimethylamine	3.228	42	144996	50.383	ng	83
6) Aniline	6.451	93	193758	37.847	ng	# 5
8) 2-Chlorophenol	6.581	128	240737	47.243	ng	96
9) Benzaldehyde	6.339	77	21533	6.147	ng	97
10) Phenol	6.445	94	287555	44.852	ng	# 68
11) bis(2-Chloroethyl)ether	6.528	93	216614	44.066	ng	99
12) 1,3-Dichlorobenzene	6.728	146	251649	44.789	ng	98
13) 1,4-Dichlorobenzene	6.810	146	262713	46.544	ng	100
14) 1,2-Dichlorobenzene	6.957	146	245753	46.497	ng	99
15) Benzyl Alcohol	6.934	79	214068	51.793	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	367278	42.966	ng	59
17) 2-Methylphenol	7.051	107	185339	44.752	ng	# 92
18) Hexachloroethane	7.304	117	99805	47.931	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	168244	46.816	ng	100
20) 3+4-Methylphenols	7.204	107	239419	47.083	ng	93
22) Acetophenone	7.198	105	333018	49.051	ng	99
24) Nitrobenzene	7.375	77	257434	45.849	ng	99
25) Isophorone	7.610	82	442481	47.245	ng	99
26) 2-Nitrophenol	7.692	139	127059	47.983	ng	96
27) 2,4-Dimethylphenol	7.733	122	184581m	54.764	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	262769	43.985	ng	99
29) 2,4-Dichlorophenol	7.939	162	197168	47.784	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	213686	45.347	ng	99
31) Naphthalene	8.092	128	691208	45.810	ng	100
32) Benzoic acid	7.857	122	138729	44.774	ng	95
33) 4-Chloroaniline	8.145	127	109963	21.491	ng	98
34) Hexachlorobutadiene	8.210	225	136347	49.340	ng	99
35) Caprolactam	8.510	113	62207m	46.162	ng	
36) 4-Chloro-3-methylphenol	8.639	107	217975	49.249	ng	95
37) 2-Methylnaphthalene	8.786	142	450445	46.970	ng	99
38) 1-Methylnaphthalene	8.886	142	421785	44.773	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	213361	47.747	ng	98
41) Hexachlorocyclopentadiene	8.939	237	243063	184.182	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	139484	47.690	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141439.D
Acq On : 05 Feb 2025 11:47
Operator : RC/JU
Sample : PB166294BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 05 12:09:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	148386	46.613	ng	98
46) 1,1'-Biphenyl	9.251	154	568607	46.418	ng	99
47) 2-Chloronaphthalene	9.275	162	426849	44.705	ng	99
48) 2-Nitroaniline	9.375	65	147311	49.051	ng	95
49) Acenaphthylene	9.692	152	656250	49.100	ng	100
50) Dimethylphthalate	9.557	163	504634	47.568	ng	100
51) 2,6-Dinitrotoluene	9.616	165	110496	44.859	ng	94
52) Acenaphthene	9.863	154	510747m	53.490	ng	
53) 3-Nitroaniline	9.786	138	65366	27.076	ng	95
54) 2,4-Dinitrophenol	9.898	184	130643	114.095	ng	90
55) Dibenzofuran	10.039	168	602805	47.164	ng	97
56) 4-Nitrophenol	9.969	139	181575	102.840	ng	89
57) 2,4-Dinitrotoluene	10.022	165	157833	49.490	ng	91
58) Fluorene	10.380	166	482443	48.663	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	128565m	51.336	ng	
60) Diethylphthalate	10.257	149	500958	48.702	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	233801	48.279	ng	98
62) 4-Nitroaniline	10.404	138	114882	48.402	ng	90
63) Azobenzene	10.533	77	481359	46.750	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	91087	57.286	ng	100
66) n-Nitrosodiphenylamine	10.492	169	421404	48.468	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	145703	48.415	ng	99
68) Hexachlorobenzene	10.927	284	153026	47.936	ng	99
69) Atrazine	11.022	200	152376	52.417	ng	99
70) Pentachlorophenol	11.127	266	193550	103.538	ng	99
71) Phenanthrene	11.345	178	743871	51.479	ng	100
72) Anthracene	11.392	178	758044	53.540	ng	99
73) Carbazole	11.551	167	665174	52.983	ng	99
74) Di-n-butylphthalate	11.880	149	783458	51.494	ng	99
75) Fluoranthene	12.533	202	792604	55.552	ng	98
77) Benzidine	12.657	184	173242	28.873	ng	99
78) Pyrene	12.763	202	824927	45.916	ng	99
80) Butylbenzylphthalate	13.380	149	311075	49.562	ng	99
81) Benzo(a)anthracene	13.951	228	637983	49.397	ng	99
82) 3,3'-Dichlorobenzidine	13.915	252	98974	24.095	ng	98
83) Chrysene	13.992	228	562189	47.496	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	403170	50.636	ng	99
85) Di-n-octyl phthalate	14.574	149	602500	48.720	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	538149	50.861	ng	95
88) Benzo(b)fluoranthene	15.009	252	498092	48.302	ng	98
89) Benzo(k)fluoranthene	15.039	252	472495	51.723	ng	98
90) Benzo(a)pyrene	15.368	252	461267	52.934	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	435153	51.119	ng	96
92) Benzo(g,h,i)perylene	17.315	276	407221	46.007	ng	96

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

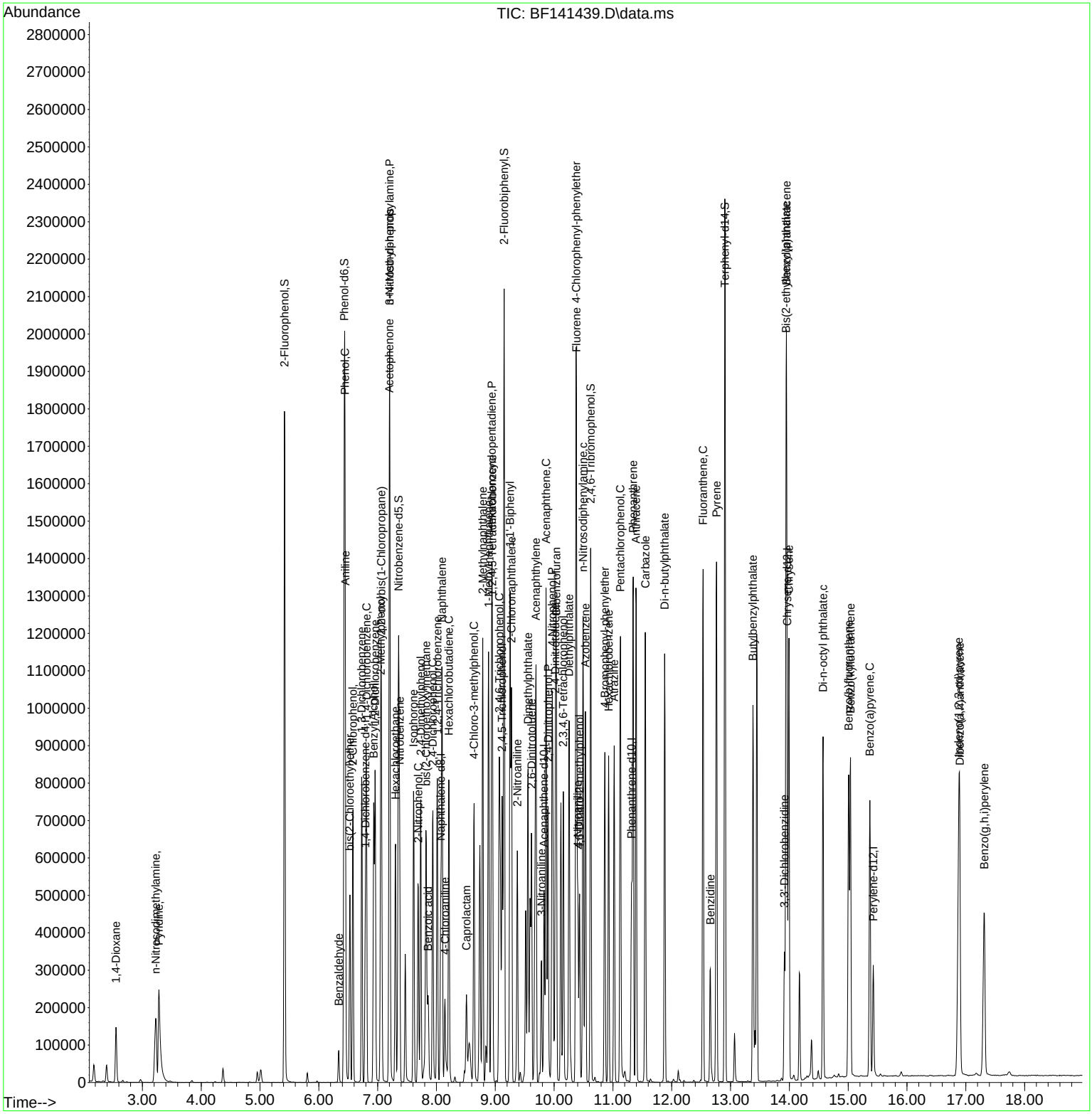
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141439.D
Acq On : 05 Feb 2025 11:47
Operator : RC/JU
Sample : PB166294BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 05 12:09:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141442.D
Acq On : 05 Feb 2025 13:05
Operator : RC/JU
Sample : PB166339BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 05 13:33:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	69540	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	272946	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	150801	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	258651	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	176386	20.000	ng	#-0.01
86) Perylene-d12	15.421	264	154350	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	614151	135.583	ng	0.00
7) Phenol-d6	6.434	99	746861	129.610	ng	0.00
23) Nitrobenzene-d5	7.357	82	499029	96.382	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	210807	152.483	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	926554	94.571	ng	-0.01
79) Terphenyl-d14	12.904	244	1091228	95.409	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.552	88	75743	38.021	ng	96
3) Pyridine	3.281	79	192561	40.118	ng	97
4) n-Nitrosodimethylamine	3.228	42	143225	52.234	ng	84
6) Aniline	6.451	93	185188	37.966	ng	# 3
8) 2-Chlorophenol	6.581	128	238573	49.139	ng	96
9) Benzaldehyde	6.340	77	22504	6.742	ng	98
10) Phenol	6.445	94	283733	46.450	ng	# 68
11) bis(2-Chloroethyl)ether	6.528	93	214452	45.788	ng	99
12) 1,3-Dichlorobenzene	6.728	146	252480	47.164	ng	99
13) 1,4-Dichlorobenzene	6.810	146	258437	48.056	ng	99
14) 1,2-Dichlorobenzene	6.957	146	242260	48.108	ng	98
15) Benzyl Alcohol	6.934	79	210947	53.568	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	366624	45.016	ng	59
17) 2-Methylphenol	7.051	107	183589	46.527	ng	# 92
18) Hexachloroethane	7.298	117	98645	49.722	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	162704	47.519	ng	98
20) 3+4-Methylphenols	7.204	107	237802	49.083	ng	93
22) Acetophenone	7.198	105	328523	50.636	ng	99
24) Nitrobenzene	7.375	77	252507	47.060	ng	99
25) Isophorone	7.610	82	435211	48.627	ng	98
26) 2-Nitrophenol	7.692	139	126860	50.132	ng	95
27) 2,4-Dimethylphenol	7.734	122	183402m	56.941	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	262284	45.943	ng	99
29) 2,4-Dichlorophenol	7.939	162	193147	48.983	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	212618	47.216	ng	100
31) Naphthalene	8.092	128	695787	48.255	ng	100
32) Benzoic acid	7.857	122	138989	46.941	ng	93
33) 4-Chloroaniline	8.145	127	95992	19.632	ng	99
34) Hexachlorobutadiene	8.210	225	134966	51.108	ng	99
35) Caprolactam	8.510	113	60244m	46.782	ng	
36) 4-Chloro-3-methylphenol	8.639	107	214446	50.702	ng	97
37) 2-Methylnaphthalene	8.786	142	446519	48.723	ng	100
38) 1-Methylnaphthalene	8.886	142	415934	46.203	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	210589	49.087	ng	99
41) Hexachlorocyclopentadiene	8.939	237	239778	189.249	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	137710	49.041	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141442.D
Acq On : 05 Feb 2025 13:05
Operator : RC/JU
Sample : PB166339BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 05 13:33:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	146793	48.031	ng		97
46) 1,1'-Biphenyl	9.251	154	558776	47.512	ng		98
47) 2-Chloronaphthalene	9.275	162	420321	45.853	ng		98
48) 2-Nitroaniline	9.375	65	145851	50.584	ng		96
49) Acenaphthylene	9.692	152	652197	50.826	ng		99
50) Dimethylphthalate	9.557	163	496367	48.735	ng		100
51) 2,6-Dinitrotoluene	9.616	165	111896	47.316	ng		96
52) Acenaphthene	9.863	154	505025m	55.091	ng		
53) 3-Nitroaniline	9.786	138	61079	26.352	ng		99
54) 2,4-Dinitrophenol	9.898	184	123829	112.642	ng		90
55) Dibenzofuran	10.033	168	601794	49.043	ng		96
56) 4-Nitrophenol	9.963	139	178017	105.019	ng		89
57) 2,4-Dinitrotoluene	10.022	165	156908	51.247	ng		93
58) Fluorene	10.380	166	479929	50.423	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	130782	54.393	ng		97
60) Diethylphthalate	10.257	149	490998	49.719	ng		99
61) 4-Chlorophenyl-phenyle...	10.369	204	230375	49.550	ng		96
62) 4-Nitroaniline	10.404	138	112393	49.323	ng		90
63) Azobenzene	10.533	77	478034	48.358	ng		97
65) 4,6-Dinitro-2-methylph...	10.433	198	91072	59.527	ng		99
66) n-Nitrosodiphenylamine	10.492	169	414035	49.492	ng		99
67) 4-Bromophenyl-phenylether	10.863	248	141524	48.874	ng		100
68) Hexachlorobenzene	10.928	284	152677	49.706	ng		99
69) Atrazine	11.022	200	146281	52.298	ng		98
70) Pentachlorophenol	11.127	266	182937	101.707	ng		99
71) Phenanthrene	11.345	178	723012	52.002	ng		99
72) Anthracene	11.392	178	742686	54.517	ng		100
73) Carbazole	11.551	167	649712	53.785	ng		99
74) Di-n-butylphthalate	11.880	149	753424	51.466	ng		100
75) Fluoranthene	12.533	202	760403	55.390	ng		97
77) Benzidine	12.651	184	162405	28.721	ng		99
78) Pyrene	12.763	202	786061	46.426	ng		99
80) Butylbenzylphthalate	13.380	149	297386	50.276	ng		99
81) Benzo(a)anthracene	13.951	228	591257	48.577	ng		99
82) 3,3'-Dichlorobenzidine	13.916	252	89685	23.167	ng		97
83) Chrysene	13.986	228	561085	50.299	ng		100
84) Bis(2-ethylhexyl)phtha...	13.945	149	377988	50.375	ng		99
85) Di-n-octyl phthalate	14.568	149	576416	49.459	ng		98
87) Indeno(1,2,3-cd)pyrene	16.874	276	522744	52.473	ng		96
88) Benzo(b)fluoranthene	15.004	252	493180	50.796	ng		98
89) Benzo(k)fluoranthene	15.033	252	460679	53.561	ng		99
90) Benzo(a)pyrene	15.363	252	453060	55.220	ng		98
91) Dibenzo(a,h)anthracene	16.886	278	419457	52.335	ng		97
92) Benzo(g,h,i)perylene	17.304	276	390761	46.889	ng	#	95

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

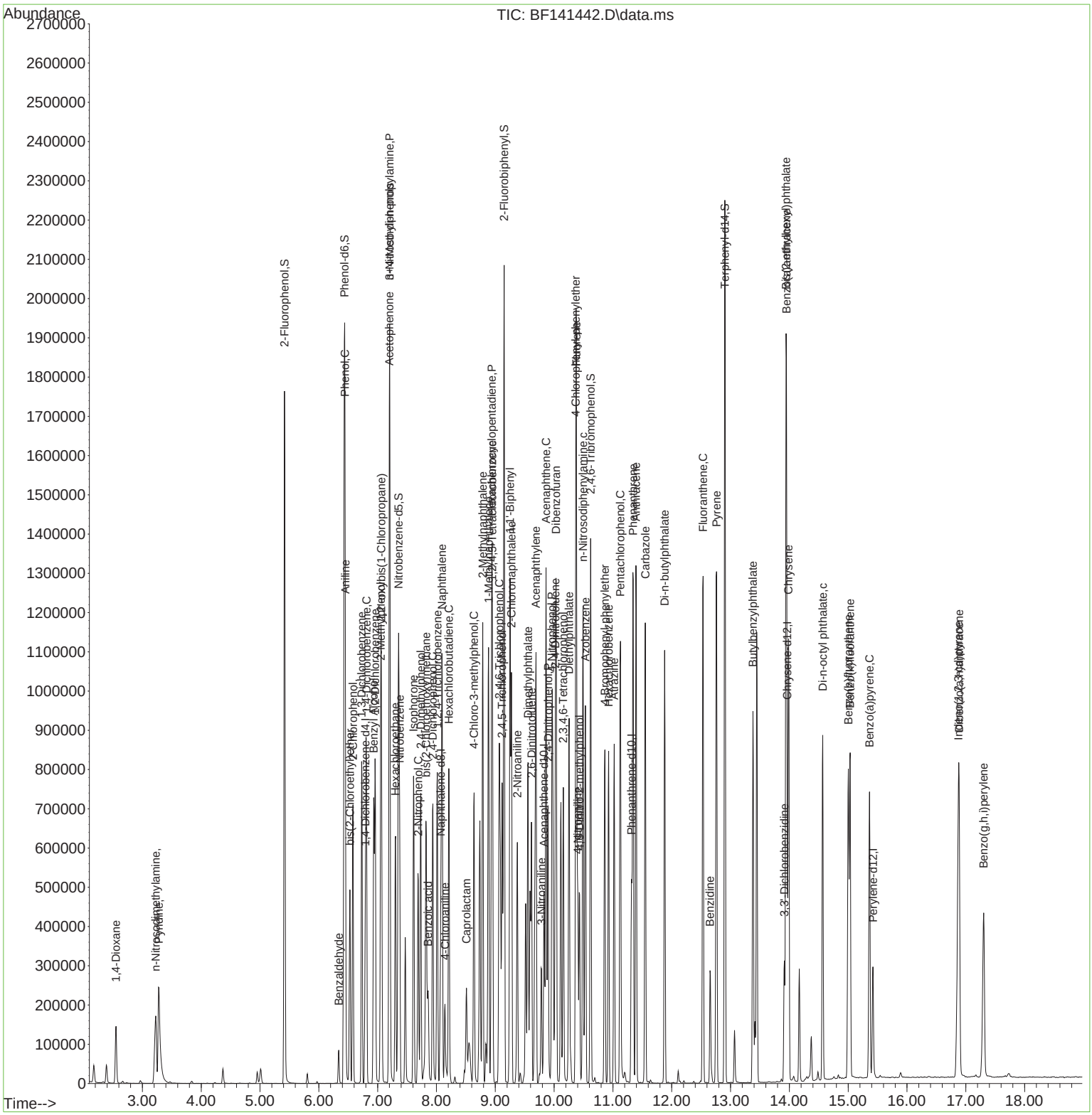
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141442.D
Acq On : 05 Feb 2025 13:05
Operator : RC/JU
Sample : PB166339BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 05 13:33:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141443.D
Acq On : 05 Feb 2025 13:31
Operator : RC/JU
Sample : PB166339BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 05 14:26:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	70045	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	272862	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	147235	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	252391	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	168766	20.000	ng	#-0.01
86) Perylene-d12	15.427	264	154833	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	598208	131.111	ng	0.00
7) Phenol-d6	6.434	99	718440	123.779	ng	0.00
23) Nitrobenzene-d5	7.351	82	481799	93.083	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	203760	150.955	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	893097	93.364	ng	-0.01
79) Terphenyl-d14	12.904	244	1055500	96.452	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.552	88	74151	36.953	ng	97
3) Pyridine	3.275	79	186375	38.549	ng	96
4) n-Nitrosodimethylamine	3.222	42	137763	49.880	ng	84
6) Aniline	6.451	93	182325	37.109	ng	# 11
8) 2-Chlorophenol	6.581	128	233395	47.726	ng	95
9) Benzaldehyde	6.340	77	20938	6.228	ng	98
10) Phenol	6.446	94	269901	43.867	ng	# 68
11) bis(2-Chloroethyl)ether	6.528	93	208053	44.102	ng	98
12) 1,3-Dichlorobenzene	6.728	146	245484	45.527	ng	99
13) 1,4-Dichlorobenzene	6.810	146	249121	45.990	ng	100
14) 1,2-Dichlorobenzene	6.957	146	234274	46.187	ng	98
15) Benzyl Alcohol	6.934	79	203176	51.222	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	352997	43.030	ng	63
17) 2-Methylphenol	7.051	107	176532	44.416	ng	# 92
18) Hexachloroethane	7.298	117	93989	47.034	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	160722	46.601	ng	99
20) 3+4-Methylphenols	7.204	107	230779	47.290	ng	95
22) Acetophenone	7.198	105	324107	49.971	ng	99
24) Nitrobenzene	7.375	77	244028	45.494	ng	100
25) Isophorone	7.610	82	425288	47.533	ng	98
26) 2-Nitrophenol	7.687	139	120895	47.790	ng	91
27) 2,4-Dimethylphenol	7.734	122	176837m	54.920	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	253960	44.498	ng	98
29) 2,4-Dichlorophenol	7.940	162	189017	47.951	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	205082	45.556	ng	99
31) Naphthalene	8.092	128	665370	46.160	ng	100
32) Benzoic acid	7.857	122	136403	46.082	ng	95
33) 4-Chloroaniline	8.145	127	89922	18.396	ng	99
34) Hexachlorobutadiene	8.210	225	130656	49.491	ng	99
35) Caprolactam	8.510	113	59577m	46.278	ng	
36) 4-Chloro-3-methylphenol	8.639	107	207462	49.066	ng	97
37) 2-Methylnaphthalene	8.787	142	433820	47.352	ng	100
38) 1-Methylnaphthalene	8.887	142	406864	45.209	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	203516	48.587	ng	98
41) Hexachlorocyclopentadiene	8.939	237	230786	186.564	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	132009	48.150	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141443.D
Acq On : 05 Feb 2025 13:31
Operator : RC/JU
Sample : PB166339BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 05 14:26:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	139507	46.752	ng	97
46) 1,1'-Biphenyl	9.251	154	537519	46.812	ng	98
47) 2-Chloronaphthalene	9.275	162	408115	45.599	ng	99
48) 2-Nitroaniline	9.375	65	139818	49.666	ng	98
49) Acenaphthylene	9.692	152	626340	49.994	ng	100
50) Dimethylphthalate	9.557	163	483574	48.629	ng	100
51) 2,6-Dinitrotoluene	9.616	165	107574	46.591	ng	96
52) Acenaphthene	9.863	154	486518m	54.358	ng	
53) 3-Nitroaniline	9.786	138	60739	26.840	ng	99
54) 2,4-Dinitrophenol	9.898	184	121360	113.070	ng	91
55) Dibenzofuran	10.034	168	581677	48.552	ng	96
56) 4-Nitrophenol	9.963	139	169841	102.622	ng	88
57) 2,4-Dinitrotoluene	10.022	165	149593	50.041	ng	93
58) Fluorene	10.381	166	459804	49.478	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.157	232	125437	53.434	ng	97
60) Diethylphthalate	10.257	149	474765	49.239	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	223335	49.199	ng	95
62) 4-Nitroaniline	10.398	138	106731	47.972	ng	87
63) Azobenzene	10.533	77	462094	47.878	ng	97
65) 4,6-Dinitro-2-methylph...	10.433	198	85087	56.995	ng	98
66) n-Nitrosodiphenylamine	10.492	169	405060	49.620	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	138180	48.903	ng	98
68) Hexachlorobenzene	10.928	284	146924	49.019	ng	99
69) Atrazine	11.022	200	142247	52.117	ng	99
70) Pentachlorophenol	11.128	266	178140	101.496	ng	99
71) Phenanthrene	11.345	178	703261	51.836	ng	100
72) Anthracene	11.392	178	718705	54.065	ng	99
73) Carbazole	11.551	167	626248	53.128	ng	99
74) Di-n-butylphthalate	11.880	149	734688	51.430	ng	99
75) Fluoranthene	12.533	202	740295	55.263	ng	98
77) Benzidine	12.651	184	152405	28.169	ng	99
78) Pyrene	12.763	202	752575	46.455	ng	100
80) Butylbenzylphthalate	13.380	149	285734	50.487	ng	99
81) Benzo(a)anthracene	13.951	228	549332	47.170	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	87185	23.538	ng	99
83) Chrysene	13.992	228	525550	49.241	ng	99
84) Bis(2-ethylhexyl)phtha...	13.945	149	359351	50.053	ng	99
85) Di-n-octyl phthalate	14.574	149	539172	48.352	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	507144	50.748	ng	95
88) Benzo(b)fluoranthene	15.010	252	452259	46.436	ng	98
89) Benzo(k)fluoranthene	15.039	252	454887	52.723	ng	98
90) Benzo(a)pyrene	15.368	252	436814	53.074	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	403526	50.190	ng	97
92) Benzo(g,h,i)perylene	17.315	276	376155	44.995	ng	94

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

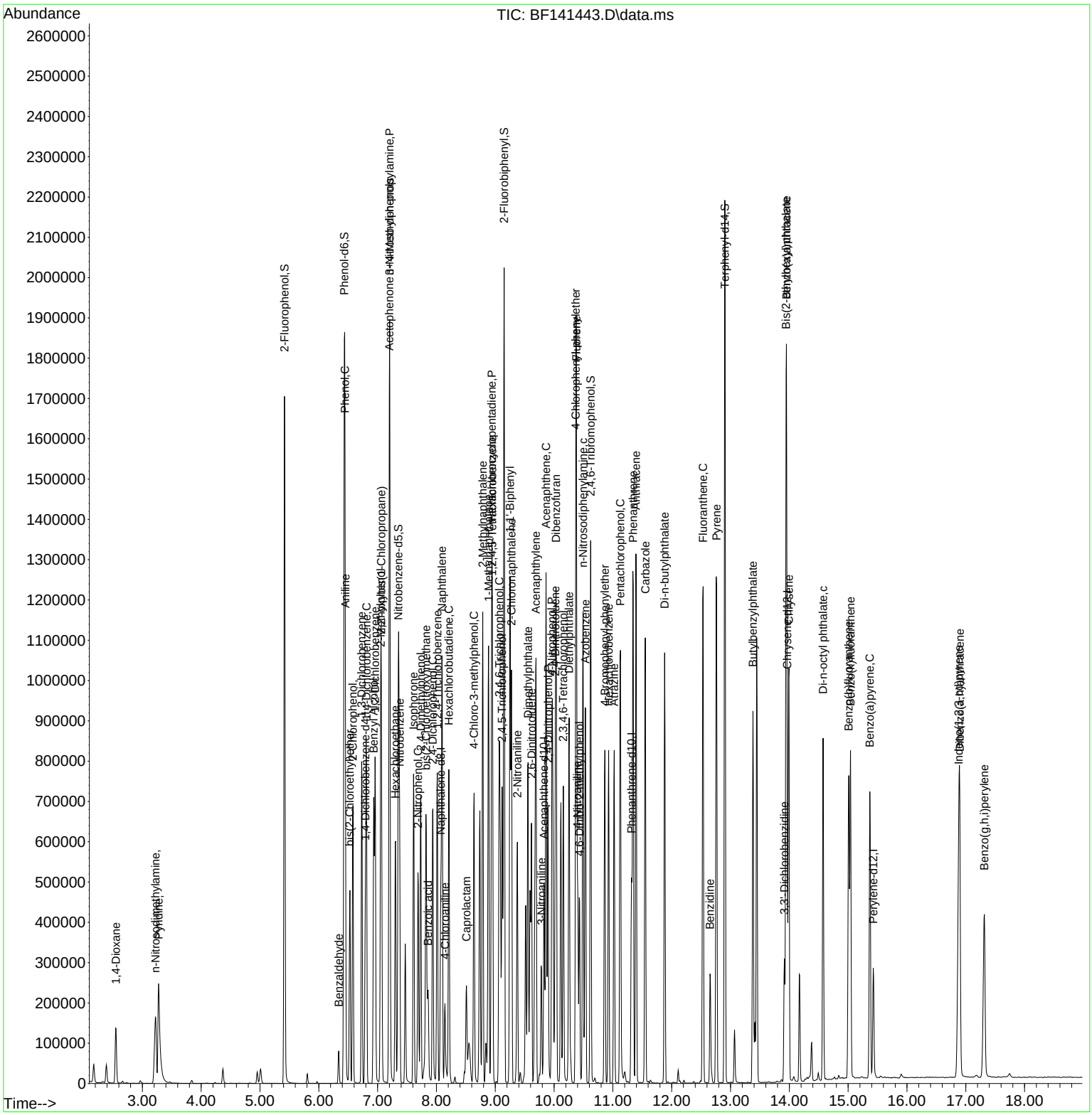
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141443.D
Acq On : 05 Feb 2025 13:31
Operator : RC/JU
Sample : PB166339BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 05 14:26:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141352.D
Acq On : 01 Feb 2025 00:30
Operator : RC/JU
Sample : Q1194-04MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 01 00:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	160040	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	632082	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	327389	20.000	ng		0.00
64) Phenanthrene-d10	11.327	188	478396	20.000	ng		0.00
76) Chrysene-d12	13.968	240	306959	20.000	ng		0.00
86) Perylene-d12	15.421	264	307907	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	969013	92.954	ng		0.02
7) Phenol-d6	6.445	99	1208293	91.113	ng		0.00
23) Nitrobenzene-d5	7.363	82	781915	65.213	ng		0.00
42) 2,4,6-Tribromophenol	10.633	330	276769	92.213	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1314061	61.779	ng		0.00
79) Terphenyl-d14	12.910	244	1045873	52.545	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	170887	37.273	ng		98
3) Pyridine	3.293	79	440465	39.874	ng		100
4) n-Nitrosodimethylamine	3.246	42	271271	42.988	ng		97
6) Aniline	6.463	93	364816	32.498	ng	#	20
8) 2-Chlorophenol	6.592	128	479903	42.950	ng		97
9) Benzaldehyde	6.345	77	49148	6.398	ng		98
10) Phenol	6.457	94	579286	41.207	ng		77
11) bis(2-Chloroethyl)ether	6.534	93	467010	43.327	ng		100
12) 1,3-Dichlorobenzene	6.739	146	489696	39.748	ng		99
13) 1,4-Dichlorobenzene	6.816	146	495491	40.035	ng		100
14) 1,2-Dichlorobenzene	6.969	146	474188	40.916	ng		99
15) Benzyl Alcohol	6.945	79	408281	45.050	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	760918	40.597	ng		55
17) 2-Methylphenol	7.069	107	369947	40.738	ng	#	89
18) Hexachloroethane	7.310	117	183972	40.294	ng		99
19) n-Nitroso-di-n-propyla...	7.216	70	329084	41.762	ng		98
20) 3+4-Methylphenols	7.222	107	478463	42.911	ng	#	76
22) Acetophenone	7.210	105	641459	42.694	ng	#	95
24) Nitrobenzene	7.386	77	502528	40.443	ng		98
25) Isophorone	7.622	82	892320	43.053	ng		99
26) 2-Nitrophenol	7.698	139	255094	43.531	ng		99
27) 2,4-Dimethylphenol	7.745	122	373741m	50.107	ng		
28) bis(2-Chloroethoxy)met...	7.834	93	555377	42.009	ng		99
29) 2,4-Dichlorophenol	7.951	162	391067	42.827	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	407421	39.069	ng		100
31) Naphthalene	8.104	128	1339613	40.119	ng		100
32) Benzoic acid	7.875	122	293276	42.771	ng		98
33) 4-Chloroaniline	8.151	127	99598	8.796	ng		99
34) Hexachlorobutadiene	8.222	225	237412	38.821	ng		100
35) Caprolactam	8.522	113	129509m	43.427	ng		
36) 4-Chloro-3-methylphenol	8.651	107	412298	42.094	ng		97
37) 2-Methylnaphthalene	8.792	142	875724	41.263	ng		99
38) 1-Methylnaphthalene	8.892	142	807610	38.739	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	390961	41.976	ng		99
41) Hexachlorocyclopentadiene	8.945	237	368408	133.935	ng		100
43) 2,4,6-Trichlorophenol	9.081	196	264141	43.328	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141352.D
Acq On : 01 Feb 2025 00:30
Operator : RC/JU
Sample : Q1194-04MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 01 00:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	284388	42.861	ng	99
46) 1,1'-Biphenyl	9.263	154	1070294	41.919	ng	99
47) 2-Chloronaphthalene	9.286	162	799380	40.168	ng	99
48) 2-Nitroaniline	9.380	65	272485	43.530	ng	97
49) Acenaphthylene	9.698	152	1222120	43.870	ng	100
50) Dimethylphthalate	9.563	163	969748	43.857	ng	99
51) 2,6-Dinitrotoluene	9.628	165	211898	41.273	ng	98
52) Acenaphthene	9.875	154	917466	46.100	ng	99
53) 3-Nitroaniline	9.792	138	138426	27.509	ng	98
54) 2,4-Dinitrophenol	9.904	184	231891	97.163	ng	98
55) Dibenzofuran	10.045	168	1102981	41.404	ng	99
56) 4-Nitrophenol	9.975	139	270862	73.603	ng	98
57) 2,4-Dinitrotoluene	10.028	165	279789	42.091	ng	99
58) Fluorene	10.386	166	817762	39.575	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	230657	44.188	ng	99
60) Diethylphthalate	10.263	149	923514	43.075	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	406500	40.273	ng	100
62) 4-Nitroaniline	10.410	138	185463	37.489	ng	99
63) Azobenzene	10.539	77	946700	44.113	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	154803	54.706	ng	97
66) n-Nitrosodiphenylamine	10.498	169	738221	47.710	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	252992	47.237	ng	98
68) Hexachlorobenzene	10.933	284	255828	45.031	ng	100
69) Atrazine	11.027	200	238034	46.011	ng	99
70) Pentachlorophenol	11.133	266	276016	82.968	ng	99
71) Phenanthrene	11.351	178	1120034	43.554	ng	99
72) Anthracene	11.404	178	1134234	45.015	ng	100
73) Carbazole	11.557	167	910483	40.751	ng	99
74) Di-n-butylphthalate	11.892	149	1240476	45.813	ng	100
75) Fluoranthene	12.539	202	994575	39.170	ng	100
77) Benzidine	12.663	184	201472	20.474	ng	100
78) Pyrene	12.769	202	1010968	34.311	ng	100
80) Butylbenzylphthalate	13.392	149	424703	41.258	ng	99
81) Benzo(a)anthracene	13.957	228	859366	40.571	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	198790	29.508	ng	100
83) Chrysene	13.992	228	854492	44.017	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	557866	42.722	ng	99
85) Di-n-octyl phthalate	14.568	149	1017675	50.177	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	688611	34.650	ng	99
88) Benzo(b)fluoranthene	15.004	252	913150	47.147	ng	99
89) Benzo(k)fluoranthene	15.033	252	811049	47.270	ng	100
90) Benzo(a)pyrene	15.362	252	781518	47.750	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	561271	35.104	ng	100
92) Benzo(g,h,i)perylene	17.298	276	497253	29.910	ng	98

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

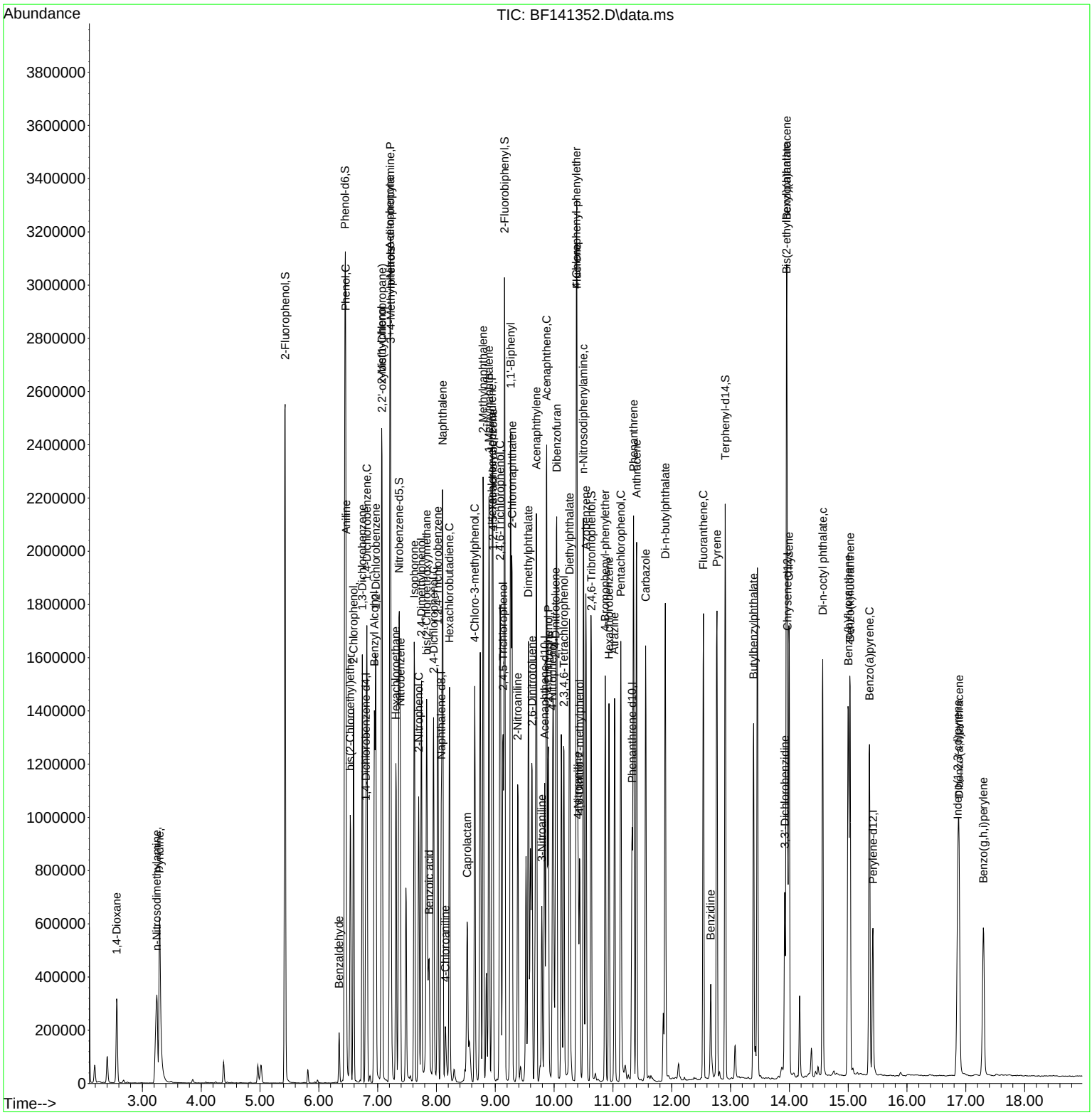
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141352.D
Acq On : 01 Feb 2025 00:30
Operator : RC/JU
Sample : Q1194-04MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 01 00:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141353.D
Acq On : 01 Feb 2025 00:57
Operator : RC/JU
Sample : Q1194-04MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 01 01:28:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	149676	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	589897	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	304724	20.000	ng		0.00
64) Phenanthrene-d10	11.327	188	446574	20.000	ng		0.00
76) Chrysene-d12	13.968	240	289652	20.000	ng		0.00
86) Perylene-d12	15.415	264	291978	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	904843	92.808	ng		0.01
7) Phenol-d6	6.445	99	1106069	89.179	ng		0.00
23) Nitrobenzene-d5	7.363	82	719805	64.326	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	248253	88.864	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1206163	60.924	ng		0.00
79) Terphenyl-d14	12.910	244	937270	49.903	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	156245	36.439	ng		99
3) Pyridine	3.287	79	402004	38.912	ng		99
4) n-Nitrosodimethylamine	3.240	42	247827	41.992	ng		96
6) Aniline	6.463	93	360976	34.383	ng	#	32
8) 2-Chlorophenol	6.592	128	444161	42.504	ng		96
9) Benzaldehyde	6.345	77	45965	6.398	ng		99
10) Phenol	6.457	94	539453	41.031	ng		76
11) bis(2-Chloroethyl)ether	6.534	93	427879	42.445	ng		99
12) 1,3-Dichlorobenzene	6.739	146	454158	39.416	ng		99
13) 1,4-Dichlorobenzene	6.816	146	459392	39.688	ng		100
14) 1,2-Dichlorobenzene	6.969	146	436553	40.277	ng		99
15) Benzyl Alcohol	6.945	79	372341	43.929	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	710017	40.504	ng		57
17) 2-Methylphenol	7.069	107	337228	39.707	ng	#	88
18) Hexachloroethane	7.310	117	170674	39.969	ng		99
19) n-Nitroso-di-n-propyla...	7.216	70	306652	41.610	ng		97
20) 3+4-Methylphenols	7.222	107	440708	42.262	ng	#	75
22) Acetophenone	7.210	105	585685	41.770	ng	#	95
24) Nitrobenzene	7.381	77	463958	40.009	ng		100
25) Isophorone	7.622	82	813421	42.053	ng		99
26) 2-Nitrophenol	7.698	139	232740	42.556	ng		100
27) 2,4-Dimethylphenol	7.745	122	346152m	49.727	ng		
28) bis(2-Chloroethoxy)met...	7.834	93	514821	41.726	ng		99
29) 2,4-Dichlorophenol	7.951	162	357247	41.921	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	371686	38.191	ng		99
31) Naphthalene	8.104	128	1241727	39.847	ng		100
32) Benzoic acid	7.869	122	263841	41.230	ng		99
33) 4-Chloroaniline	8.151	127	123735	11.709	ng		98
34) Hexachlorobutadiene	8.222	225	223107	39.091	ng		99
35) Caprolactam	8.522	113	116283	41.781	ng		97
36) 4-Chloro-3-methylphenol	8.651	107	375991	41.132	ng		98
37) 2-Methylnaphthalene	8.792	142	797516	40.265	ng		99
38) 1-Methylnaphthalene	8.892	142	745385	38.311	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	358360	41.338	ng		98
41) Hexachlorocyclopentadiene	8.945	237	330649	129.149	ng		99
43) 2,4,6-Trichlorophenol	9.075	196	241755	42.606	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141353.D
Acq On : 01 Feb 2025 00:57
Operator : RC/JU
Sample : Q1194-04MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 01 01:28:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	253156	40.992	ng	99
46) 1,1'-Biphenyl	9.263	154	982186	41.329	ng	100
47) 2-Chloronaphthalene	9.286	162	729439	39.379	ng	99
48) 2-Nitroaniline	9.380	65	249777	42.870	ng	97
49) Acenaphthylene	9.698	152	1110295	42.820	ng	99
50) Dimethylphthalate	9.563	163	889602	43.224	ng	99
51) 2,6-Dinitrotoluene	9.628	165	193485	40.489	ng	96
52) Acenaphthene	9.875	154	835010	45.077	ng	99
53) 3-Nitroaniline	9.792	138	129295	27.606	ng	100
54) 2,4-Dinitrophenol	9.904	184	209369	94.252	ng	99
55) Dibenzofuran	10.045	168	996364	40.184	ng	99
56) 4-Nitrophenol	9.975	139	241925	70.629	ng	97
57) 2,4-Dinitrotoluene	10.028	165	250886	40.550	ng	99
58) Fluorene	10.386	166	754067	39.206	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	207765	42.763	ng	100
60) Diethylphthalate	10.263	149	853771	42.784	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	372656	39.666	ng	99
62) 4-Nitroaniline	10.410	138	169626	36.838	ng	99
63) Azobenzene	10.539	77	861766	43.142	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	138958	52.606	ng	97
66) n-Nitrosodiphenylamine	10.498	169	682753	47.270	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	231795	46.363	ng	98
68) Hexachlorobenzene	10.933	284	234812	44.277	ng	99
69) Atrazine	11.027	200	217252	44.986	ng	99
70) Pentachlorophenol	11.133	266	247008	79.539	ng	100
71) Phenanthrene	11.351	178	1024548	42.680	ng	100
72) Anthracene	11.404	178	1046790	44.505	ng	99
73) Carbazole	11.557	167	823751	39.496	ng	99
74) Di-n-butylphthalate	11.892	149	1147366	45.394	ng	100
75) Fluoranthene	12.539	202	900749	38.002	ng	100
77) Benzidine	12.663	184	210212	22.638	ng	99
78) Pyrene	12.769	202	916947	32.979	ng	99
80) Butylbenzylphthalate	13.392	149	384203	39.554	ng	98
81) Benzo(a)anthracene	13.957	228	792710	39.660	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	198260	31.187	ng	99
83) Chrysene	13.992	228	786189	42.919	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	510215	41.407	ng	99
85) Di-n-octyl phthalate	14.568	149	922363	48.195	ng	99
87) Indeno(1,2,3-cd)pyrene	16.862	276	647446	34.356	ng	99
88) Benzo(b)fluoranthene	14.998	252	782728	42.618	ng	99
89) Benzo(k)fluoranthene	15.027	252	810825m	49.835	ng	
90) Benzo(a)pyrene	15.357	252	732096	47.170	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	524247	34.578	ng	99
92) Benzo(g,h,i)perylene	17.298	276	466835	29.613	ng	99

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

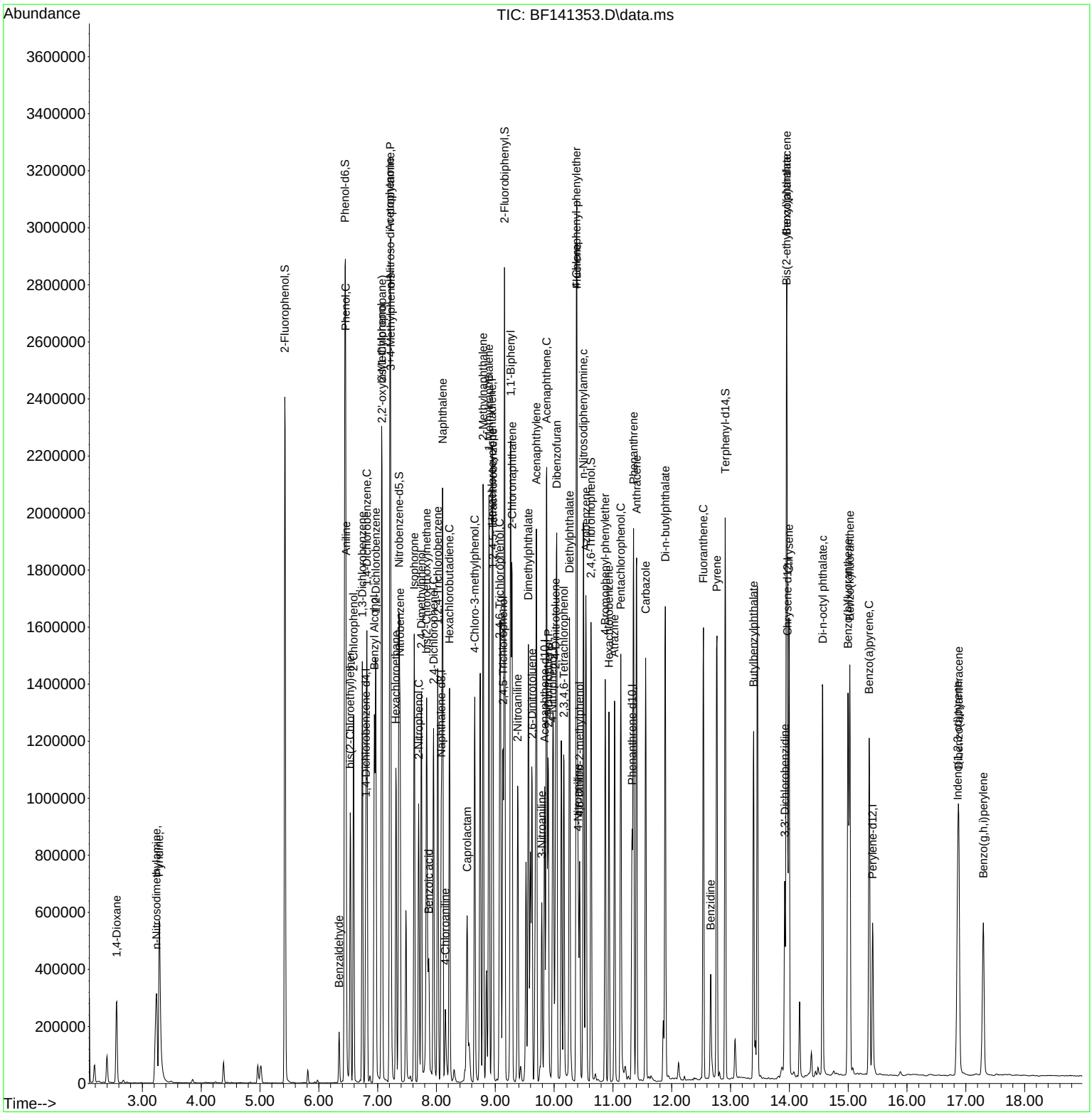
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141353.D
Acq On : 01 Feb 2025 00:57
Operator : RC/JU
Sample : Q1194-04MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 01 01:28:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BF012925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141292.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:04 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC020	BF141293.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:07 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC050	BF141295.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:10 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	Benzoic acid	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICV040	BF141298.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:17 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf013025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141317.D	2,4-Dimethylphenol	yogesh	1/31/2025 6:32:18 AM	mohammad	1/31/2025 6:41:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF013125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141319.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:12 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	Benzoic acid	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MS	BF141352.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:35:26 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MS	BF141352.D	Caprolactam	Jagrut	2/3/2025 3:35:26 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MSD	BF141353.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:40:23 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MSD	BF141353.D	Benzo(k)fluoranthene	Jagrut	2/3/2025 3:40:23 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf020325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141361.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:01 PM	mohammad	2/6/2025 8:40:16 AM	Peak Integrated by Software
SSTDCCC040	BF141373.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:09 PM	mohammad	2/6/2025 8:40:16 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf020425	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141398.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141398.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
Q1194-03	BF141424.D	Benzo(b)fluoranthene	yogesh	2/5/2025 9:09:26 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF020525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141435.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141435.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	2,3,4,6-Tetrachlorophenol	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	Acenaphthene	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	Caprolactam	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BS	BF141442.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:06 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BS	BF141442.D	Acenaphthene	yogesh	2/6/2025 7:44:06 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BS	BF141442.D	Caprolactam	yogesh	2/6/2025 7:44:06 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BSD	BF141443.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:11 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BSD	BF141443.D	Acenaphthene	yogesh	2/6/2025 7:44:11 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BSD	BF141443.D	Caprolactam	yogesh	2/6/2025 7:44:11 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF020525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141447.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM		
SubDirectory	BF012925	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141289.D	29 Jan 2025 10:03	RC/JU	Ok
2	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30	RC/JU	Ok
3	SSTDICC005	BF141291.D	29 Jan 2025 10:56	RC/JU	Ok
4	SSTDICC010	BF141292.D	29 Jan 2025 11:49	RC/JU	Ok,M
5	SSTDICC020	BF141293.D	29 Jan 2025 15:17	RC/JU	Ok,M
6	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	RC/JU	Ok
7	SSTDICC050	BF141295.D	29 Jan 2025 16:11	RC/JU	Ok,M
8	SSTDICC060	BF141296.D	29 Jan 2025 16:38	RC/JU	Ok,M
9	SSTDICC080	BF141297.D	29 Jan 2025 17:05	RC/JU	Ok
10	SSTDICV040	BF141298.D	29 Jan 2025 17:31	RC/JU	Ok,M
11	PB166167BL	BF141299.D	29 Jan 2025 18:24	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM		
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM		
SubDirectory	BF013025	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141300.D	30 Jan 2025 08:28	RC/JU	Ok
2	SSTDCCC040	BF141301.D	30 Jan 2025 08:54	RC/JU	Ok
3	PB166216BL	BF141302.D	30 Jan 2025 09:20	RC/JU	Ok
4	PB166335BS	BF141303.D	30 Jan 2025 09:57	RC/JU	Ok,M
5	Q1168-02	BF141304.D	30 Jan 2025 10:23	RC/JU	Ok,M
6	Q1168-08	BF141305.D	30 Jan 2025 10:53	RC/JU	Ok,M
7	Q1168-02	BF141306.D	30 Jan 2025 11:55	RC/JU	Ok,M
8	Q1168-08	BF141307.D	30 Jan 2025 12:21	RC/JU	Ok,M
9	Q1168-01	BF141308.D	30 Jan 2025 12:47	RC/JU	Ok,M
10	Q1168-07	BF141309.D	30 Jan 2025 13:13	RC/JU	Ok,M
11	Q1168-01	BF141310.D	30 Jan 2025 13:39	RC/JU	Ok,M
12	Q1168-07	BF141311.D	30 Jan 2025 14:05	RC/JU	Ok,M
13	PB166339BL	BF141312.D	30 Jan 2025 14:32	RC/JU	Ok
14	Q1209-01	BF141313.D	30 Jan 2025 15:11	RC/JU	Ok,M
15	Q1209-05	BF141314.D	30 Jan 2025 15:37	RC/JU	Ok
16	Q1209-05MS	BF141315.D	30 Jan 2025 16:03	RC/JU	Ok,M
17	Q1209-05MSD	BF141316.D	30 Jan 2025 16:30	RC/JU	Ok,M
18	SSTDCCC040	BF141317.D	30 Jan 2025 17:04	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM				
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM				
SubDirectory	BF013125	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141318.D	31 Jan 2025 08:30	RC/JU	Ok
2	SSTDCCC040	BF141319.D	31 Jan 2025 09:22	RC/JU	Ok,M
3	PB166258BL	BF141320.D	31 Jan 2025 09:49	RC/JU	Ok
4	Q1168-03	BF141321.D	31 Jan 2025 10:15	RC/JU	Ok,M
5	Q1168-03	BF141322.D	31 Jan 2025 10:42	RC/JU	Ok,M
6	Q1168-09	BF141323.D	31 Jan 2025 11:08	RC/JU	Ok,M
7	Q1168-09	BF141324.D	31 Jan 2025 11:35	RC/JU	Ok,M
8	PB166363BL	BF141325.D	31 Jan 2025 12:01	RC/JU	Ok
9	PB166363BS	BF141326.D	31 Jan 2025 12:28	RC/JU	Ok,M
10	PB166363BSD	BF141327.D	31 Jan 2025 12:54	RC/JU	Ok,M
11	Q1211-01	BF141328.D	31 Jan 2025 13:27	RC/JU	Ok
12	Q1211-02	BF141329.D	31 Jan 2025 13:53	RC/JU	Ok
13	Q1209-04	BF141330.D	31 Jan 2025 14:20	RC/JU	Ok
14	Q1209-08	BF141331.D	31 Jan 2025 14:46	RC/JU	Ok
15	Q1205-02	BF141332.D	31 Jan 2025 15:13	RC/JU	Ok
16	Q1205-01	BF141333.D	31 Jan 2025 15:39	RC/JU	Ok,M
17	SSTDCCC040	BF141334.D	31 Jan 2025 16:26	RC/JU	Ok,M
18	DFTPP	BF141335.D	31 Jan 2025 16:53	RC/JU	Ok
19	SSTDCCC040	BF141336.D	31 Jan 2025 17:19	RC/JU	Ok
20	PB166354BL	BF141337.D	31 Jan 2025 17:46	RC/JU	Ok
21	Q1218-02	BF141338.D	31 Jan 2025 18:18	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1218-02MS	BF141339.D	31 Jan 2025 18:44	RC/JU	Ok,M
23	Q1218-02MSD	BF141340.D	31 Jan 2025 19:11	RC/JU	Ok,M
24	Q1219-02	BF141341.D	31 Jan 2025 19:37	RC/JU	Ok,M
25	Q1221-02	BF141342.D	31 Jan 2025 20:04	RC/JU	Ok
26	Q1221-01	BF141343.D	31 Jan 2025 20:30	RC/JU	Ok
27	Q1239-10	BF141344.D	31 Jan 2025 20:56	RC/JU	Ok
28	Q1239-10MS	BF141345.D	31 Jan 2025 21:23	RC/JU	Ok,M
29	Q1239-10MSD	BF141346.D	31 Jan 2025 21:50	RC/JU	Ok,M
30	Q1205-02MS	BF141347.D	31 Jan 2025 22:16	RC/JU	Ok,M
31	Q1205-02MSD	BF141348.D	31 Jan 2025 22:43	RC/JU	Ok,M
32	Q1194-01	BF141349.D	31 Jan 2025 23:10	RC/JU	Ok
33	Q1194-02	BF141350.D	31 Jan 2025 23:37	RC/JU	Ok
34	Q1194-04	BF141351.D	01 Feb 2025 00:03	RC/JU	Ok
35	Q1194-04MS	BF141352.D	01 Feb 2025 00:30	RC/JU	Ok,M
36	Q1194-04MSD	BF141353.D	01 Feb 2025 00:57	RC/JU	Ok,M
37	Q1239-07	BF141354.D	01 Feb 2025 01:24	RC/JU	Ok,M
38	Q1239-04	BF141355.D	01 Feb 2025 01:51	RC/JU	Ok,M
39	Q1243-01	BF141356.D	01 Feb 2025 02:17	RC/JU	Ok
40	Q1220-01	BF141357.D	01 Feb 2025 02:44	RC/JU	Ok,M
41	Q1244-01	BF141358.D	01 Feb 2025 03:11	RC/JU	Ok,M
42	Q1239-01	BF141359.D	01 Feb 2025 03:37	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM				
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM				
SubDirectory	BF020325	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141360.D	03 Feb 2025 09:53	RC/JU	Ok
2	SSTDCCC040	BF141361.D	03 Feb 2025 11:24	RC/JU	Ok,M
3	PB166426BL	BF141362.D	03 Feb 2025 11:51	RC/JU	Ok
4	PB166468BS	BF141363.D	03 Feb 2025 12:18	RC/JU	Not Ok
5	PB166468BSD	BF141364.D	03 Feb 2025 12:44	RC/JU	Not Ok
6	PB166468BL	BF141365.D	03 Feb 2025 13:10	RC/JU	Not Ok
7	Q1214-01	BF141366.D	03 Feb 2025 13:41	RC/JU	ReRun
8	Q1194-08	BF141367.D	03 Feb 2025 14:08	RC/JU	Ok
9	Q1239-02	BF141368.D	03 Feb 2025 14:34	RC/JU	Ok
10	Q1239-05	BF141369.D	03 Feb 2025 15:00	RC/JU	Ok
11	Q1239-08	BF141370.D	03 Feb 2025 15:26	RC/JU	Ok
12	Q1239-11	BF141371.D	03 Feb 2025 15:52	RC/JU	Ok
13	DFTPP	BF141372.D	03 Feb 2025 16:43	RC/JU	Ok
14	SSTDCCC040	BF141373.D	03 Feb 2025 17:14	RC/JU	Ok,M
15	PB166335BL	BF141374.D	03 Feb 2025 17:41	RC/JU	Ok
16	Q1216-12	BF141375.D	03 Feb 2025 18:12	RC/JU	Ok
17	Q1216-16	BF141376.D	03 Feb 2025 18:38	RC/JU	Ok
18	Q1216-20	BF141377.D	03 Feb 2025 19:04	RC/JU	Ok
19	Q1235-04	BF141378.D	03 Feb 2025 19:31	RC/JU	Ok
20	Q1235-08	BF141379.D	03 Feb 2025 19:57	RC/JU	Ok
21	Q1232-04	BF141380.D	03 Feb 2025 20:24	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM				
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM				
SubDirectory	BF020325	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1232-08	BF141381.D	03 Feb 2025 20:51	RC/JU	Ok
23	Q1232-12	BF141382.D	03 Feb 2025 21:17	RC/JU	Ok
24	Q1232-16	BF141383.D	03 Feb 2025 21:44	RC/JU	Ok
25	Q1232-20	BF141384.D	03 Feb 2025 22:11	RC/JU	Ok
26	Q1269-01	BF141385.D	03 Feb 2025 22:37	RC/JU	Ok
27	Q1271-01	BF141386.D	03 Feb 2025 23:04	RC/JU	Ok
28	Q1271-01MS	BF141387.D	03 Feb 2025 23:30	RC/JU	Ok,M
29	Q1271-01MSD	BF141388.D	03 Feb 2025 23:56	RC/JU	Ok,M
30	Q1262-01	BF141389.D	04 Feb 2025 00:23	RC/JU	Dilution
31	Q1232-03	BF141390.D	04 Feb 2025 00:49	RC/JU	Dilution
32	Q1216-19	BF141391.D	04 Feb 2025 01:16	RC/JU	Ok,M
33	Q1216-11	BF141392.D	04 Feb 2025 01:42	RC/JU	Ok,M
34	Q1219-01	BF141393.D	04 Feb 2025 02:09	RC/JU	Ok
35	Q1261-01	BF141394.D	04 Feb 2025 02:35	RC/JU	Ok
36	Q1218-01	BF141395.D	04 Feb 2025 03:01	RC/JU	Ok
37	Q1254-01	BF141396.D	04 Feb 2025 03:28	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM				
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM				
SubDirectory	BF020425	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141397.D	04 Feb 2025 10:16	RC/JU	Ok
2	SSTDCCC040	BF141398.D	04 Feb 2025 10:42	RC/JU	Ok,M
3	PB166483BL	BF141399.D	04 Feb 2025 11:08	RC/JU	Ok
4	PB166483BS	BF141400.D	04 Feb 2025 11:35	RC/JU	Ok,M
5	PB166423TB	BF141401.D	04 Feb 2025 12:02	RC/JU	Ok
6	PB166465BS	BF141402.D	04 Feb 2025 12:28	RC/JU	Ok,M
7	PB166465BL	BF141403.D	04 Feb 2025 12:54	RC/JU	Ok
8	PB166360BL	BF141404.D	04 Feb 2025 13:21	RC/JU	Ok
9	PB166360BS	BF141405.D	04 Feb 2025 13:47	RC/JU	Ok,M
10	PB166356TB	BF141406.D	04 Feb 2025 14:13	RC/JU	Ok
11	PB166426BS	BF141407.D	04 Feb 2025 14:39	RC/JU	Ok,M
12	PB166294BL	BF141408.D	04 Feb 2025 15:06	RC/JU	Ok
13	DFTPP	BF141409.D	04 Feb 2025 15:32	RC/JU	Ok
14	SSTDCCC040	BF141410.D	04 Feb 2025 15:58	RC/JU	Ok,M
15	PB166525BL	BF141411.D	04 Feb 2025 16:24	RC/JU	Ok
16	Q1262-03	BF141412.D	04 Feb 2025 16:56	RC/JU	Ok
17	Q1239-02MS	BF141413.D	04 Feb 2025 17:22	RC/JU	Ok,M
18	Q1239-02MSD	BF141414.D	04 Feb 2025 17:49	RC/JU	Ok,M
19	Q1241-08	BF141415.D	04 Feb 2025 18:15	RC/JU	Ok
20	Q1241-12	BF141416.D	04 Feb 2025 18:41	RC/JU	Ok,M
21	Q1241-16	BF141417.D	04 Feb 2025 19:07	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1241-20	BF141418.D	04 Feb 2025 19:34	RC/JU	Ok
23	Q1242-04	BF141419.D	04 Feb 2025 20:00	RC/JU	Ok
24	Q1241-04	BF141420.D	04 Feb 2025 20:26	RC/JU	Ok
25	Q1216-08	BF141421.D	04 Feb 2025 20:52	RC/JU	Ok
26	Q1206-04	BF141422.D	04 Feb 2025 21:19	RC/JU	Ok
27	Q1206-08	BF141423.D	04 Feb 2025 21:45	RC/JU	Ok
28	Q1194-03	BF141424.D	04 Feb 2025 22:11	RC/JU	Ok,M
29	Q1262-01DL	BF141425.D	04 Feb 2025 22:38	RC/JU	Ok,M
30	Q1232-03DL	BF141426.D	04 Feb 2025 23:04	RC/JU	Ok,M
31	Q1280-01	BF141427.D	04 Feb 2025 23:30	RC/JU	Ok,M
32	Q1280-01MS	BF141428.D	04 Feb 2025 23:56	RC/JU	Ok,M
33	Q1280-01MSD	BF141429.D	05 Feb 2025 00:22	RC/JU	Ok,M
34	Q1276-01	BF141430.D	05 Feb 2025 00:48	RC/JU	Ok,M
35	Q1277-02	BF141431.D	05 Feb 2025 01:15	RC/JU	Ok
36	Q1281-01	BF141432.D	05 Feb 2025 01:41	RC/JU	Ok,M
37	Q1241-07	BF141433.D	05 Feb 2025 02:07	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM				
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM				
SubDirectory	BF020525	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141434.D	05 Feb 2025 09:36	RC/JU	Ok
2	SSTDCCC040	BF141435.D	05 Feb 2025 10:02	RC/JU	Ok,M
3	PB166264BL	BF141436.D	05 Feb 2025 10:28	RC/JU	Ok
4	PB166264BS	BF141437.D	05 Feb 2025 10:55	RC/JU	Ok,M
5	PB166211TB	BF141438.D	05 Feb 2025 11:21	RC/JU	Ok
6	PB166294BS	BF141439.D	05 Feb 2025 11:47	RC/JU	Ok,M
7	PB166418BL	BF141440.D	05 Feb 2025 12:13	RC/JU	Ok
8	PB166418BS	BF141441.D	05 Feb 2025 12:39	RC/JU	Ok,M
9	PB166339BS	BF141442.D	05 Feb 2025 13:05	RC/JU	Ok,M
10	PB166339BSD	BF141443.D	05 Feb 2025 13:31	RC/JU	Ok,M
11	PB166525BS	BF141444.D	05 Feb 2025 13:58	RC/JU	Ok,M
12	PB166354BS	BF141445.D	05 Feb 2025 14:24	RC/JU	Ok,M
13	DFTPP	BF141446.D	05 Feb 2025 14:50	RC/JU	Ok
14	SSTDCCC040	BF141447.D	05 Feb 2025 15:16	RC/JU	Ok,M
15	PB166318TB	BF141448.D	05 Feb 2025 15:43	RC/JU	Ok
16	Q1215-04	BF141449.D	05 Feb 2025 16:16	RC/JU	Ok
17	Q1215-08	BF141450.D	05 Feb 2025 16:42	RC/JU	Ok
18	Q1282-01	BF141451.D	05 Feb 2025 17:08	RC/JU	Ok
19	Q1207-04	BF141452.D	05 Feb 2025 17:35	RC/JU	Ok
20	Q1207-08	BF141453.D	05 Feb 2025 18:01	RC/JU	Ok
21	Q1207-20	BF141454.D	05 Feb 2025 18:27	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM				
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM				
SubDirectory	BF020525	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1207-12	BF141455.D	05 Feb 2025 18:54	RC/JU	Ok
23	Q1207-16	BF141456.D	05 Feb 2025 19:20	RC/JU	Ok
24	Q1280-02	BF141457.D	05 Feb 2025 19:46	RC/JU	Ok
25	Q1280-02MS	BF141458.D	05 Feb 2025 20:12	RC/JU	Ok,M
26	Q1280-02MSD	BF141459.D	05 Feb 2025 20:38	RC/JU	Ok,M
27	Q1207-19	BF141460.D	05 Feb 2025 21:05	RC/JU	Ok,M
28	Q1206-03	BF141461.D	05 Feb 2025 21:31	RC/JU	Dilution
29	Q1207-03	BF141462.D	05 Feb 2025 21:57	RC/JU	Ok,M
30	Q1207-11	BF141463.D	05 Feb 2025 22:23	RC/JU	Ok,M
31	Q1207-07	BF141464.D	05 Feb 2025 22:49	RC/JU	Ok,M
32	Q1207-15	BF141465.D	05 Feb 2025 23:15	RC/JU	Ok,M
33	Q1206-07	BF141466.D	05 Feb 2025 23:41	RC/JU	Ok,M
34	Q1284-01	BF141467.D	06 Feb 2025 00:07	RC/JU	Ok
35	Q1286-01	BF141468.D	06 Feb 2025 00:33	RC/JU	Ok
36	Q1288-04	BF141469.D	06 Feb 2025 00:59	RC/JU	Ok,M
37	Q1285-01	BF141470.D	06 Feb 2025 01:26	RC/JU	Dilution

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM		
SubDirectory	BF012925	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141289.D	29 Jan 2025 10:03		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141291.D	29 Jan 2025 10:56	Compound #54 is removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141292.D	29 Jan 2025 11:49		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141293.D	29 Jan 2025 15:17	The Calibration is fail for compound #77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141295.D	29 Jan 2025 16:11		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF141296.D	29 Jan 2025 16:38		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF141297.D	29 Jan 2025 17:05		RC/JU	Ok
10	SSTDICV040	ICVBF012925	BF141298.D	29 Jan 2025 17:31		RC/JU	Ok,M
11	PB166167BL	PB166167BL	BF141299.D	29 Jan 2025 18:24		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM		
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM		
SubDirectory	BF013025	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141300.D	30 Jan 2025 08:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141301.D	30 Jan 2025 08:54		RC/JU	Ok
3	PB166216BL	PB166216BL	BF141302.D	30 Jan 2025 09:20		RC/JU	Ok
4	PB166335BS	PB166335BS	BF141303.D	30 Jan 2025 09:57		RC/JU	Ok,M
5	Q1168-02	LOQ-SOIL-02-QT1-202	BF141304.D	30 Jan 2025 10:23	LOQ-SOIL-5 PPM	RC/JU	Ok,M
6	Q1168-08	LOQ-WATER-02-QT1-2	BF141305.D	30 Jan 2025 10:53	LOQ-WATER-5 PPM	RC/JU	Ok,M
7	Q1168-02	LOQ-SOIL-02-QT1-202	BF141306.D	30 Jan 2025 11:55	LOQ-SOIL-10 PPM	RC/JU	Ok,M
8	Q1168-08	LOQ-WATER-02-QT1-2	BF141307.D	30 Jan 2025 12:21	LOQ-WATER-10 PPM	RC/JU	Ok,M
9	Q1168-01	LOD-MDL-SOIL-01-QT	BF141308.D	30 Jan 2025 12:47	LOD-MDL-SOIL-4PPM	RC/JU	Ok,M
10	Q1168-07	LOD-MDL-WATER-01-(	BF141309.D	30 Jan 2025 13:13	LOD-MDL-WATER-4PPM	RC/JU	Ok,M
11	Q1168-01	LOD-MDL-SOIL-01-QT	BF141310.D	30 Jan 2025 13:39	LOD-MDL-SOIL-8PPM	RC/JU	Ok,M
12	Q1168-07	LOD-MDL-WATER-01-(	BF141311.D	30 Jan 2025 14:05	LOD-MDL-WATER-8PPM	RC/JU	Ok,M
13	PB166339BL	PB166339BL	BF141312.D	30 Jan 2025 14:32		RC/JU	Ok
14	Q1209-01	WC-4	BF141313.D	30 Jan 2025 15:11		RC/JU	Ok,M
15	Q1209-05	WC-5	BF141314.D	30 Jan 2025 15:37		RC/JU	Ok
16	Q1209-05MS	WC-5MS	BF141315.D	30 Jan 2025 16:03		RC/JU	Ok,M
17	Q1209-05MSD	WC-5MSD	BF141316.D	30 Jan 2025 16:30		RC/JU	Ok,M
18	SSTDCCC040	SSTDCCC040EC	BF141317.D	30 Jan 2025 17:04		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM		
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM		
SubDirectory	BF013025	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141318.D	31 Jan 2025 08:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141319.D	31 Jan 2025 09:22		RC/JU	Ok,M
3	PB166258BL	PB166258BL	BF141320.D	31 Jan 2025 09:49		RC/JU	Ok
4	Q1168-03	MDL-SOIL-03-QT1-202	BF141321.D	31 Jan 2025 10:15	MDL-SOIL-4PPM	RC/JU	Ok,M
5	Q1168-03	MDL-SOIL-03-QT1-202	BF141322.D	31 Jan 2025 10:42	MDL-SOIL-8PPM	RC/JU	Ok,M
6	Q1168-09	MDL-WATER-03-QT1-2	BF141323.D	31 Jan 2025 11:08	MDL-WATER-4PPM	RC/JU	Ok,M
7	Q1168-09	MDL-WATER-03-QT1-2	BF141324.D	31 Jan 2025 11:35	MDL-WATER-03-8PPM	RC/JU	Ok,M
8	PB166363BL	PB166363BL	BF141325.D	31 Jan 2025 12:01		RC/JU	Ok
9	PB166363BS	PB166363BS	BF141326.D	31 Jan 2025 12:28		RC/JU	Ok,M
10	PB166363BSD	PB166363BSD	BF141327.D	31 Jan 2025 12:54		RC/JU	Ok,M
11	Q1211-01	TAPHHA-MW01-01282	BF141328.D	31 Jan 2025 13:27		RC/JU	Ok
12	Q1211-02	TAPIAL2-MW03-01282	BF141329.D	31 Jan 2025 13:53		RC/JU	Ok
13	Q1209-04	WC-4	BF141330.D	31 Jan 2025 14:20		RC/JU	Ok
14	Q1209-08	WC-5	BF141331.D	31 Jan 2025 14:46		RC/JU	Ok
15	Q1205-02	VNJ-236	BF141332.D	31 Jan 2025 15:13		RC/JU	Ok
16	Q1205-01	VNJ-236	BF141333.D	31 Jan 2025 15:39		RC/JU	Ok,M
17	SSTDCCC040	SSTDCCC040EC	BF141334.D	31 Jan 2025 16:26		RC/JU	Ok,M
18	DFTPP	DFTPP	BF141335.D	31 Jan 2025 16:53		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC040	SSTDCCC040	BF141336.D	31 Jan 2025 17:19		RC/JU	Ok
20	PB166354BL	PB166354BL	BF141337.D	31 Jan 2025 17:46		RC/JU	Ok
21	Q1218-02	BELL-25-002	BF141338.D	31 Jan 2025 18:18		RC/JU	Ok,M
22	Q1218-02MS	BELL-25-002MS	BF141339.D	31 Jan 2025 18:44		RC/JU	Ok,M
23	Q1218-02MSD	BELL-25-002MSD	BF141340.D	31 Jan 2025 19:11		RC/JU	Ok,M
24	Q1219-02	LAW-25-0015	BF141341.D	31 Jan 2025 19:37		RC/JU	Ok,M
25	Q1221-02	CHESTNUT-CONCRE	BF141342.D	31 Jan 2025 20:04		RC/JU	Ok
26	Q1221-01	CHESTNUT-CONCRE	BF141343.D	31 Jan 2025 20:30		RC/JU	Ok
27	Q1239-10	357	BF141344.D	31 Jan 2025 20:56		RC/JU	Ok
28	Q1239-10MS	357MS	BF141345.D	31 Jan 2025 21:23		RC/JU	Ok,M
29	Q1239-10MSD	357MSD	BF141346.D	31 Jan 2025 21:50		RC/JU	Ok,M
30	Q1205-02MS	VNJ-236MS	BF141347.D	31 Jan 2025 22:16		RC/JU	Ok,M
31	Q1205-02MSD	VNJ-236MSD	BF141348.D	31 Jan 2025 22:43		RC/JU	Ok,M
32	Q1194-01	B-110-SB01	BF141349.D	31 Jan 2025 23:10		RC/JU	Ok
33	Q1194-02	B-110-SB02	BF141350.D	31 Jan 2025 23:37		RC/JU	Ok
34	Q1194-04	B-113-SB02	BF141351.D	01 Feb 2025 00:03		RC/JU	Ok
35	Q1194-04MS	B-113-SB02MS	BF141352.D	01 Feb 2025 00:30		RC/JU	Ok,M
36	Q1194-04MSD	B-113-SB02MSD	BF141353.D	01 Feb 2025 00:57		RC/JU	Ok,M
37	Q1239-07	RBR22266	BF141354.D	01 Feb 2025 01:24		RC/JU	Ok,M

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Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q1239-04	348	BF141355.D	01 Feb 2025 01:51		RC/JU	Ok,M
39	Q1243-01	CL-01-01302025	BF141356.D	01 Feb 2025 02:17		RC/JU	Ok
40	Q1220-01	TR-06-01292025	BF141357.D	01 Feb 2025 02:44		RC/JU	Ok,M
41	Q1244-01	EO-02-01302025	BF141358.D	01 Feb 2025 03:11	Internal Standard Fail	RC/JU	Ok,M
42	Q1239-01	286	BF141359.D	01 Feb 2025 03:37		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141360.D	03 Feb 2025 09:53		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141361.D	03 Feb 2025 11:24		RC/JU	Ok,M
3	PB166426BL	PB166426BL	BF141362.D	03 Feb 2025 11:51		RC/JU	Ok
4	PB166468BS	PB166468BS	BF141363.D	03 Feb 2025 12:18	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
5	PB166468BSD	PB166468BSD	BF141364.D	03 Feb 2025 12:44	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
6	PB166468BL	PB166468BL	BF141365.D	03 Feb 2025 13:10	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
7	Q1214-01	PARAMUS-CONDENS/	BF141366.D	03 Feb 2025 13:41	Surrogate Fail,Com#77(Benzidine) Failed in the calibration	RC/JU	ReRun
8	Q1194-08	EB	BF141367.D	03 Feb 2025 14:08		RC/JU	Ok
9	Q1239-02	286	BF141368.D	03 Feb 2025 14:34		RC/JU	Ok
10	Q1239-05	348	BF141369.D	03 Feb 2025 15:00		RC/JU	Ok
11	Q1239-08	RBR22266	BF141370.D	03 Feb 2025 15:26		RC/JU	Ok
12	Q1239-11	357	BF141371.D	03 Feb 2025 15:52		RC/JU	Ok
13	DFTPP	DFTPP	BF141372.D	03 Feb 2025 16:43		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141373.D	03 Feb 2025 17:14		RC/JU	Ok,M
15	PB166335BL	PB166335BL	BF141374.D	03 Feb 2025 17:41		RC/JU	Ok
16	Q1216-12	JPP-21.2-012825	BF141375.D	03 Feb 2025 18:12		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	Q1216-16	JPP-26.1-012825	BF141376.D	03 Feb 2025 18:38		RC/JU	Ok
18	Q1216-20	JPP-26.2-012825	BF141377.D	03 Feb 2025 19:04		RC/JU	Ok
19	Q1235-04	JPP-51.2-012925	BF141378.D	03 Feb 2025 19:31		RC/JU	Ok
20	Q1235-08	JPP-16.1-012925	BF141379.D	03 Feb 2025 19:57		RC/JU	Ok
21	Q1232-04	JPP-46.2-012925	BF141380.D	03 Feb 2025 20:24		RC/JU	Ok
22	Q1232-08	JPP-46.1-012925	BF141381.D	03 Feb 2025 20:51		RC/JU	Ok
23	Q1232-12	JPP-42.1-012925	BF141382.D	03 Feb 2025 21:17		RC/JU	Ok
24	Q1232-16	JPP-42.2-012925	BF141383.D	03 Feb 2025 21:44		RC/JU	Ok
25	Q1232-20	JPP-51.1-012925	BF141384.D	03 Feb 2025 22:11		RC/JU	Ok
26	Q1269-01	VNJ-231	BF141385.D	03 Feb 2025 22:37		RC/JU	Ok
27	Q1271-01	RBR200030	BF141386.D	03 Feb 2025 23:04		RC/JU	Ok
28	Q1271-01MS	RBR200030MS	BF141387.D	03 Feb 2025 23:30		RC/JU	Ok,M
29	Q1271-01MSD	RBR200030MSD	BF141388.D	03 Feb 2025 23:56		RC/JU	Ok,M
30	Q1262-01	ETGI-371	BF141389.D	04 Feb 2025 00:23	Need 5X Dilution	RC/JU	Dilution
31	Q1232-03	JPP-46.2-012925	BF141390.D	04 Feb 2025 00:49	Need 5X Dilution	RC/JU	Dilution
32	Q1216-19	JPP-26.2-012825	BF141391.D	04 Feb 2025 01:16		RC/JU	Ok,M
33	Q1216-11	JPP-21.2-012825	BF141392.D	04 Feb 2025 01:42	Internal Standard Fail	RC/JU	Ok,M
34	Q1219-01	LAW-25-0015	BF141393.D	04 Feb 2025 02:09	Internal Standard Fail	RC/JU	Ok
35	Q1261-01	CHRT-20430	BF141394.D	04 Feb 2025 02:35	Internal Standard Fail	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q1218-01	BELL-25-002	BF141395.D	04 Feb 2025 03:01	Internal Standard Fail	RC/JU	Ok
37	Q1254-01	OK-02-01312025	BF141396.D	04 Feb 2025 03:28		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141397.D	04 Feb 2025 10:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141398.D	04 Feb 2025 10:42		RC/JU	Ok,M
3	PB166483BL	PB166483BL	BF141399.D	04 Feb 2025 11:08		RC/JU	Ok
4	PB166483BS	PB166483BS	BF141400.D	04 Feb 2025 11:35		RC/JU	Ok,M
5	PB166423TB	PB166423TB	BF141401.D	04 Feb 2025 12:02		RC/JU	Ok
6	PB166465BS	PB166465BS	BF141402.D	04 Feb 2025 12:28		RC/JU	Ok,M
7	PB166465BL	PB166465BL	BF141403.D	04 Feb 2025 12:54		RC/JU	Ok
8	PB166360BL	PB166360BL	BF141404.D	04 Feb 2025 13:21		RC/JU	Ok
9	PB166360BS	PB166360BS	BF141405.D	04 Feb 2025 13:47		RC/JU	Ok,M
10	PB166356TB	PB166356TB	BF141406.D	04 Feb 2025 14:13		RC/JU	Ok
11	PB166426BS	PB166426BS	BF141407.D	04 Feb 2025 14:39		RC/JU	Ok,M
12	PB166294BL	PB166294BL	BF141408.D	04 Feb 2025 15:06		RC/JU	Ok
13	DFTPP	DFTPP	BF141409.D	04 Feb 2025 15:32		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141410.D	04 Feb 2025 15:58		RC/JU	Ok,M
15	PB166525BL	PB166525BL	BF141411.D	04 Feb 2025 16:24		RC/JU	Ok
16	Q1262-03	CONCRETE-PAD	BF141412.D	04 Feb 2025 16:56		RC/JU	Ok
17	Q1239-02MS	286MS	BF141413.D	04 Feb 2025 17:22		RC/JU	Ok,M
18	Q1239-02MSD	286MSD	BF141414.D	04 Feb 2025 17:49		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1241-08	JPP-5.3-013025	BF141415.D	04 Feb 2025 18:15		RC/JU	Ok
20	Q1241-12	JPP-5.2-013025	BF141416.D	04 Feb 2025 18:41		RC/JU	Ok,M
21	Q1241-16	JPP-5.4-013025	BF141417.D	04 Feb 2025 19:07		RC/JU	Ok
22	Q1241-20	JPP-51.4-013025	BF141418.D	04 Feb 2025 19:34		RC/JU	Ok
23	Q1242-04	JPP-6.2-013025	BF141419.D	04 Feb 2025 20:00		RC/JU	Ok
24	Q1241-04	JPP-3.5-013025	BF141420.D	04 Feb 2025 20:26		RC/JU	Ok
25	Q1216-08	JPP-21.1-012825	BF141421.D	04 Feb 2025 20:52		RC/JU	Ok
26	Q1206-04	JPP-20.1-012725	BF141422.D	04 Feb 2025 21:19		RC/JU	Ok
27	Q1206-08	JPP-16.3-012725	BF141423.D	04 Feb 2025 21:45		RC/JU	Ok
28	Q1194-03	B-113-SB01	BF141424.D	04 Feb 2025 22:11		RC/JU	Ok,M
29	Q1262-01DL	ETGI-371DL	BF141425.D	04 Feb 2025 22:38		RC/JU	Ok,M
30	Q1232-03DL	JPP-46.2-012925DL	BF141426.D	04 Feb 2025 23:04		RC/JU	Ok,M
31	Q1280-01	72-11984	BF141427.D	04 Feb 2025 23:30		RC/JU	Ok,M
32	Q1280-01MS	72-11984MS	BF141428.D	04 Feb 2025 23:56		RC/JU	Ok,M
33	Q1280-01MSD	72-11984MSD	BF141429.D	05 Feb 2025 00:22		RC/JU	Ok,M
34	Q1276-01	TR-05-020325	BF141430.D	05 Feb 2025 00:48		RC/JU	Ok,M
35	Q1277-02	RT 3249	BF141431.D	05 Feb 2025 01:15		RC/JU	Ok
36	Q1281-01	OR-02--2-03-2025	BF141432.D	05 Feb 2025 01:41		RC/JU	Ok,M
37	Q1241-07	JPP-5.3-013025	BF141433.D	05 Feb 2025 02:07		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141434.D	05 Feb 2025 09:36		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141435.D	05 Feb 2025 10:02		RC/JU	Ok,M
3	PB166264BL	PB166264BL	BF141436.D	05 Feb 2025 10:28		RC/JU	Ok
4	PB166264BS	PB166264BS	BF141437.D	05 Feb 2025 10:55		RC/JU	Ok,M
5	PB166211TB	PB166211TB	BF141438.D	05 Feb 2025 11:21		RC/JU	Ok
6	PB166294BS	PB166294BS	BF141439.D	05 Feb 2025 11:47		RC/JU	Ok,M
7	PB166418BL	PB166418BL	BF141440.D	05 Feb 2025 12:13		RC/JU	Ok
8	PB166418BS	PB166418BS	BF141441.D	05 Feb 2025 12:39		RC/JU	Ok,M
9	PB166339BS	PB166339BS	BF141442.D	05 Feb 2025 13:05		RC/JU	Ok,M
10	PB166339BSD	PB166339BSD	BF141443.D	05 Feb 2025 13:31		RC/JU	Ok,M
11	PB166525BS	PB166525BS	BF141444.D	05 Feb 2025 13:58		RC/JU	Ok,M
12	PB166354BS	PB166354BS	BF141445.D	05 Feb 2025 14:24		RC/JU	Ok,M
13	DFTPP	DFTPP	BF141446.D	05 Feb 2025 14:50		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141447.D	05 Feb 2025 15:16		RC/JU	Ok,M
15	PB166318TB	PB166318TB	BF141448.D	05 Feb 2025 15:43		RC/JU	Ok
16	Q1215-04	JPP-29.1-012825	BF141449.D	05 Feb 2025 16:16		RC/JU	Ok
17	Q1215-08	JPP-29.2-012825	BF141450.D	05 Feb 2025 16:42		RC/JU	Ok
18	Q1282-01	SW-WTS-02	BF141451.D	05 Feb 2025 17:08		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1207-04	JPP-2.1-012725	BF141452.D	05 Feb 2025 17:35		RC/JU	Ok
20	Q1207-08	JPP-5.1-012725	BF141453.D	05 Feb 2025 18:01		RC/JU	Ok
21	Q1207-20	JPP-20.2-012725	BF141454.D	05 Feb 2025 18:27		RC/JU	Ok
22	Q1207-12	JPP-4.5-012725	BF141455.D	05 Feb 2025 18:54		RC/JU	Ok
23	Q1207-16	JPP-16.2-012725	BF141456.D	05 Feb 2025 19:20		RC/JU	Ok
24	Q1280-02	72-11984	BF141457.D	05 Feb 2025 19:46		RC/JU	Ok
25	Q1280-02MS	72-11984MS	BF141458.D	05 Feb 2025 20:12		RC/JU	Ok,M
26	Q1280-02MSD	72-11984MSD	BF141459.D	05 Feb 2025 20:38		RC/JU	Ok,M
27	Q1207-19	JPP-20.2-012725	BF141460.D	05 Feb 2025 21:05		RC/JU	Ok,M
28	Q1206-03	JPP-20.1-012725	BF141461.D	05 Feb 2025 21:31	Need 2X Dilution	RC/JU	Dilution
29	Q1207-03	JPP-2.1-012725	BF141462.D	05 Feb 2025 21:57		RC/JU	Ok,M
30	Q1207-11	JPP-4.5-012725	BF141463.D	05 Feb 2025 22:23		RC/JU	Ok,M
31	Q1207-07	JPP-5.1-012725	BF141464.D	05 Feb 2025 22:49		RC/JU	Ok,M
32	Q1207-15	JPP-16.2-012725	BF141465.D	05 Feb 2025 23:15		RC/JU	Ok,M
33	Q1206-07	JPP-16.3-012725	BF141466.D	05 Feb 2025 23:41		RC/JU	Ok,M
34	Q1284-01	SU-03-2-4-2025	BF141467.D	06 Feb 2025 00:07		RC/JU	Ok
35	Q1286-01	NB-07-020425	BF141468.D	06 Feb 2025 00:33	Internal Standard Fail	RC/JU	Ok
36	Q1288-04	HR-04-020425	BF141469.D	06 Feb 2025 00:59		RC/JU	Ok,M
37	Q1285-01	72-11977	BF141470.D	06 Feb 2025 01:26	Need Further 10X Dilution.	RC/JU	Dilution

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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EXTRACTION LOGPAGE

PB166294

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	01/28/2025
Matrix :	Solid			**Extraction Start Time :**	09:56
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	01/28/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:55
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6681
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2578
Baked Na2SO4	N/A	EP2580
Methylene Chloride	N/A	E3871
Sand	N/A	E2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot # 2210673.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/28/25	RP (Ext Lab)	Rdsvoc
13:00	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB166294

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 01/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166294BL	SBLK294	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U6-1
PB166294BS	SLCS294	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1194-01	B-110-SB01	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		3
Q1194-02	B-110-SB02	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		4
Q1194-03	B-113-SB01	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		5
Q1194-04	B-113-SB02	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		6
Q1194-04MS	B-113-SB02MS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U4-1
Q1194-04MSD	B-113-SB02MSD	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		2

* **Extracts relinquished on the same date as received.**

Q1194 16294 1756

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1194S **WorkList ID :** 187201 **Department :** Extraction **Date :** 01-28-2025 08:32:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1194-01	B-110-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E
Q1194-02	B-110-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E
Q1194-03	B-113-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E
Q1194-04	B-113-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E

756 of 1376

Date/Time 01/28/25 9:20

Raw Sample Received by: RJ (Ext lab)

Raw Sample Relinquished by: JD CSM)

Date/Time 01/28/25 10:15

Raw Sample Received by: JD CSM)

Raw Sample Relinquished by: RJ (Ext lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166339

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	01/29/2025
Matrix :	Water			**Extraction Start Time :**	08:40
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	01/29/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	13:40
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	4,6,7	**Supervisor By :**	rajesh

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6681
Surrogate	1.0ML	100/150 PPM	SP6638
LOD	1.0ML	N/A	SP6706
LOD	1.0ML	N/A	SP6708
LOQ	1.0ML	N/A	SP6707/6709

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3871
Baked Na2SO4	N/A	EP2580
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. p H Adjusted<2 with 1:1 H2SO4 &>11 with 10N NaOH. Q1194-08 Limited volume recd.

KD Bath ID:	Water bath -01,02	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/29/25	RP (Ext Tech)	AC/SVOC
13:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166339

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 01/29/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166339BL	SBLK339	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			SEP-01
PB166339BS	SLCS339	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			2
PB166339BSD	SLCSD339	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			3
Q1168-07	LOD-MDL-WATER-01-QT1-2025 APPM	SVOC-Chemtech Full -25	1000	6	RUPESH	rajesh	1			4
Q1168-08	LOQ-WATER-02-QT1-2025	SVOC-Chemtech Full -25	1000	6	RUPESH	rajesh	1			5
Q1194-08	EB	SVOC-TCL BNA -20	500	6	RUPESH	rajesh	0.5	D		6

1/29/25

* **Extracts relinquished on the same date as received.**

Q1194

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1168E **WorkList ID :** 187244 **Department :** Extraction **Date :** 01-29-2025 08:28:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1168-03	MDL-SOIL-03-QT1-2025	Solid	EPH	Cool 4 deg C	CHEM02	QA Of	01/23/2025	NJEPH
Q1168-07	LOD-MDL-WATER-01-QT1-202	Water	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	01/23/2025	8270E
Q1168-08	LOQ-WATER-02-QT1-2025	Water	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	01/23/2025	8270E
Q1168-09	MDL-WATER-03-QT1-2025	Water	EPH	1:1 HCl to pH < 2	CHEM02	QA Of	01/23/2025	NJEPH

759 of 1376

Date/Time 01/29/25 8:40

Raw Sample Received by: RJ CSA 1/29/25

Raw Sample Relinquished by: CP SM

Date/Time 01/29/25 9:05

Raw Sample Received by: CP SM

Raw Sample Relinquished by: RJ CSA 1/29/25

Q1194

WORKLIST(Hardcopy Internal Chain)

WorkList Name : q1194sv **WorkList ID :** 187251 **Department :** Extraction **Date :** 01-29-2025 08:40:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1194-08	EB	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E

760 of 1376

Date/Time 01/29/25 8:40

Raw Sample Received by: RS (Eqt Only)

Raw Sample Relinquished by: CP SM

Date/Time 01/29/25 8:55

Raw Sample Received by: CP SM

Raw Sample Relinquished by: RS (Eqt Only)

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LAB CHRONICLE

OrderID:	Q1194	**OrderDate:**	1/27/2025 9:35:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	N41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1194-01	**B-110-SB01**	**SOIL**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/28/25	01/31/25	
Q1194-02	**B-110-SB02**	**SOIL**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/28/25	01/31/25	
Q1194-03	**B-113-SB01**	**SOIL**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/28/25	02/04/25	
Q1194-04	**B-113-SB02**	**SOIL**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/28/25	02/01/25	
Q1194-08	**EB**	**Water**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/29/25	02/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1194 **Order ID:** Q1194

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	88.3 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109231.D	1	01/28/25 09:10	01/29/25 13:58	PB166293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.80	U	3.80	19.2	ug/kg
11104-28-2	Aroclor-1221	7.20	U	7.20	19.2	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	19.2	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	19.2	ug/kg
12672-29-6	Aroclor-1248	8.90	U	8.90	19.2	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.2	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	19.2	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	19.2	ug/kg
11096-82-5	Aroclor-1260	3.30	U	3.30	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.9		30 (32) - 150 (144)	130%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.1		30 (32) - 150 (175)	110%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	57 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109232.D	1	01/28/25 09:10	01/29/25 14:15	PB166293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.90	U	5.90	29.8	ug/kg
11104-28-2	Aroclor-1221	11.2	U	11.2	29.8	ug/kg
11141-16-5	Aroclor-1232	6.00	U	6.00	29.8	ug/kg
53469-21-9	Aroclor-1242	5.90	U	5.90	29.8	ug/kg
12672-29-6	Aroclor-1248	13.8	U	13.8	29.8	ug/kg
11097-69-1	Aroclor-1254	4.80	U	4.80	29.8	ug/kg
37324-23-5	Aroclor-1262	8.00	U	8.00	29.8	ug/kg
11100-14-4	Aroclor-1268	6.00	U	6.00	29.8	ug/kg
11096-82-5	Aroclor-1260	5.10	U	5.10	29.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.1		30 (32) - 150 (144)	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.9		30 (32) - 150 (175)	64%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86.9 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109233.D	1	01/28/25 09:10	01/29/25 14:34	PB166293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	19.5	ug/kg
11104-28-2	Aroclor-1221	7.40	U	7.40	19.5	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.5	ug/kg
53469-21-9	Aroclor-1242	3.90	U	3.90	19.5	ug/kg
12672-29-6	Aroclor-1248	9.10	U	9.10	19.5	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.5	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	19.5	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	19.5	ug/kg
11096-82-5	Aroclor-1260	3.30	U	3.30	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.8		30 (32) - 150 (144)	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		30 (32) - 150 (175)	102%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	64.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109236.D	1	01/28/25 09:10	01/29/25 15:27	PB166293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.20	U	5.20	26.2	ug/kg
11104-28-2	Aroclor-1221	9.90	U	9.90	26.2	ug/kg
11141-16-5	Aroclor-1232	5.20	U	5.20	26.2	ug/kg
53469-21-9	Aroclor-1242	5.20	U	5.20	26.2	ug/kg
12672-29-6	Aroclor-1248	12.2	U	12.2	26.2	ug/kg
11097-69-1	Aroclor-1254	4.20	U	4.20	26.2	ug/kg
37324-23-5	Aroclor-1262	7.00	U	7.00	26.2	ug/kg
11100-14-4	Aroclor-1268	5.30	U	5.30	26.2	ug/kg
11096-82-5	Aroclor-1260	4.50	U	4.50	26.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.6		30 (32) - 150 (144)	123%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		30 (32) - 150 (175)	96%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	500 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109301.D	1	01/30/25 08:45	01/30/25 21:45	PB166366

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		30 (10) - 150 (157)	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.1		30 (10) - 150 (173)	51%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO108981.D	PIBLK-PO108981.D	Tetrachloro-m-xylene	1	20	21.9	109		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.6	108		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.6	103		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.9	109		70 (60)	130 (140)
I.BLK-PO109228.D	PIBLK-PO109228.D	Tetrachloro-m-xylene	1	20	25.2	126		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	25.4	127		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	24.3	121		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	24.0	120		70 (60)	130 (140)
PB166293BL	PB166293BL	Tetrachloro-m-xylene	1	20	24.7	123		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	24.9	124		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	23.6	118		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	23.5	118		30 (32)	150 (175)
PB166293BS	PB166293BS	Tetrachloro-m-xylene	1	20	23.2	116		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	24.6	123		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.2	111		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	23.1	116		30 (32)	150 (175)
Q1194-01	B-110-SB01	Tetrachloro-m-xylene	1	20	25.9	130		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	22.1	110		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.9	124		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.9	105		30 (32)	150 (175)
Q1194-02	B-110-SB02	Tetrachloro-m-xylene	1	20	23.1	115		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	12.9	64		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.2	111		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	12.6	63		30 (32)	150 (175)
Q1194-03	B-113-SB01	Tetrachloro-m-xylene	1	20	22.8	114		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.3	102		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.1	110		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.9	99		30 (32)	150 (175)
Q1194-03MS	B-113-SB01MS	Tetrachloro-m-xylene	1	20	25.4	127		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.0	115		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.9	124		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.3	111		30 (32)	150 (175)
Q1194-03MSD	B-113-SB01MSD	Tetrachloro-m-xylene	1	20	25.9	130		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	22.8	114		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.6	123		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.1	110		30 (32)	150 (175)
Q1194-04	B-113-SB02	Tetrachloro-m-xylene	1	20	24.6	123		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.1	96		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.0	120		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.8	94		30 (32)	150 (175)
I.BLK-PO109243.D	PIBLK-PO109243.D	Tetrachloro-m-xylene	1	20	24.6	123		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO109243.D	PIBLK-PO109243.D	Decachlorobiphenyl	1	20	25.3	126		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	23.7	118		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.6	118		70 (60)	130 (140)
I.BLK-PO109292.D	PIBLK-PO109292.D	Tetrachloro-m-xylene	1	20	23.1	115		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.9	94		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.7	113		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.9	104		70 (60)	130 (140)
PB166366BL	PB166366BL	Tetrachloro-m-xylene	1	20	21.7	108		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	15.6	78		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	21.9	110		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	17.9	90		30 (10)	150 (173)
PB166366BS	PB166366BS	Tetrachloro-m-xylene	1	20	21.0	105		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	16.3	81		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	21.4	107		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	17.9	90		30 (10)	150 (173)
PB166366BSD	PB166366BSD	Tetrachloro-m-xylene	1	20	21.4	107		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	16.6	83		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	21.8	109		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	18.1	91		30 (10)	150 (173)
Q1194-08	EB	Tetrachloro-m-xylene	1	20	21.5	107		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	9.19	46		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	21.8	109		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	10.1	51		30 (10)	150 (173)
I.BLK-PO109306.D	PIBLK-PO109306.D	Tetrachloro-m-xylene	1	20	22.9	114		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.3	92		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	23.0	115		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	19.9	100		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **DataFile :** PO109234.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**B-113-SB01MS**											
Q1194-03MS	AR1016	191.5	0	223	ug/kg	116				40 (55)	140 (146)	
	AR1260	191.5	0	207	ug/kg	108				40 (45)	140 (144)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **DataFile :** PO109235.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**B-113-SB01MSD**											
Q1194-03MSD	AR1016	191.6	0	223	ug/kg	116		0		40 (55)	140 (146)	30 (20)
	AR1260	191.6	0	205	ug/kg	107		1		40 (45)	140 (144)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **Datafile :** PO109230.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166293BS	AR1016	166.6	159	ug/kg	95				40 (71)	140 (120)	
	AR1260	166.6	149	ug/kg	89				40 (65)	140 (130)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **Datafile :** PO109299.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166366BS	AR1016	5	4.30	ug/L	86				40 (61)	140 (112)	
	AR1260	5	3.70	ug/L	74				40 (66)	140 (113)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **Datafile :** PO109300.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166366BSD	AR1016	5	4.40	ug/L	88	2			40 (61)	140 (112)	20 (20)
	AR1260	5	3.80	ug/L	76	3			40 (66)	140 (113)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166293BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab Sample ID: PB166293BL Lab File ID: PO109229.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 01/28/2025

Date Analyzed (1): 01/29/2025 Date Analyzed (2): 01/29/2025

Time Analyzed (1): 13:21 Time Analyzed (2): 13:21

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB166293BS	PB166293BS	PO109230.D	01/29/2025	01/29/2025
B-110-SB01	Q1194-01	PO109231.D	01/29/2025	01/29/2025
B-110-SB02	Q1194-02	PO109232.D	01/29/2025	01/29/2025
B-113-SB01	Q1194-03	PO109233.D	01/29/2025	01/29/2025
B-113-SB01MS	Q1194-03MS	PO109234.D	01/29/2025	01/29/2025
B-113-SB01MSD	Q1194-03MSD	PO109235.D	01/29/2025	01/29/2025
B-113-SB02	Q1194-04	PO109236.D	01/29/2025	01/29/2025

COMMENTS:

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166366BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab Sample ID: PB166366BL Lab File ID: PO109298.D

Matrix: (soil/water) WATER Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 01/30/2025

Date Analyzed (1): 01/30/2025 Date Analyzed (2): 01/30/2025

Time Analyzed (1): 20:50 Time Analyzed (2): 20:50

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB166366BS	PB166366BS	PO109299.D	01/30/2025	01/30/2025
PB166366BSD	PB166366BSD	PO109300.D	01/30/2025	01/30/2025
EB	Q1194-08	PO109301.D	01/30/2025	01/30/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166293BL	SDG No.:	Q1194
Lab Sample ID:	PB166293BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109229.D	1	01/28/25 09:10	01/29/25 13:21	PB166293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.7		30 (32) - 150 (144)	123%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.9		30 (32) - 150 (175)	124%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166366BL	SDG No.:	Q1194
Lab Sample ID:	PB166366BL	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109298.D	1	01/30/25 08:45	01/30/25 20:50	PB166366

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		30 (10) - 150 (157)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		30 (10) - 150 (173)	90%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/21/25
Client Sample ID:	PIBLK-PO108981.D	SDG No.:	Q1194
Lab Sample ID:	I.BLK-PO108981.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108981.D	1		01/21/25	PO012125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		70 (60) - 130 (140)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		70 (60) - 130 (140)	108%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/29/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/29/25
Client Sample ID:	PIBLK-PO109228.D	SDG No.:	Q1194
Lab Sample ID:	I.BLK-PO109228.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109228.D	1		01/29/25	Po012925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.3		70 (60) - 130 (140)	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.0		70 (60) - 130 (140)	120%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/29/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/29/25
Client Sample ID:	PIBLK-PO109243.D	SDG No.:	Q1194
Lab Sample ID:	I.BLK-PO109243.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109243.D	1		01/29/25	Po012925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.7		70 (60) - 130 (140)	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		70 (60) - 130 (140)	118%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/30/25
Client Sample ID:	PIBLK-PO109292.D	SDG No.:	Q1194
Lab Sample ID:	I.BLK-PO109292.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109292.D	1		01/30/25	PO013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.7		70 (60) - 130 (140)	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		70 (60) - 130 (140)	94%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/30/25
Client Sample ID:	PIBLK-PO109306.D	SDG No.:	Q1194
Lab Sample ID:	I.BLK-PO109306.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109306.D	1		01/30/25	PO013025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.9		70 (60) - 130 (140)	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.3		70 (60) - 130 (140)	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166293BS	SDG No.:	Q1194
Lab Sample ID:	PB166293BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109230.D	1	01/28/25 09:10	01/29/25 13:40	PB166293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	159		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	149		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.2		30 (32) - 150 (144)	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.6		30 (32) - 150 (175)	123%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166366BS	SDG No.:	Q1194
Lab Sample ID:	PB166366BS	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109299.D	1	01/30/25 08:45	01/30/25 21:09	PB166366

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.30		0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	3.70		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		30 (10) - 150 (157)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		30 (10) - 150 (173)	90%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166366BSD	SDG No.:	Q1194
Lab Sample ID:	PB166366BSD	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109300.D	1	01/30/25 08:45	01/30/25 21:27	PB166366

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.40		0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	3.80		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		30 (10) - 150 (157)	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		30 (10) - 150 (173)	91%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
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N = Presumptive Evidence of a Compound
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-03MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86.9 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109234.D	1	01/28/25 09:10	01/29/25 14:51	PB166293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	223		3.90	19.5	ug/kg
11104-28-2	Aroclor-1221	7.40	U	7.40	19.5	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.5	ug/kg
53469-21-9	Aroclor-1242	3.90	U	3.90	19.5	ug/kg
12672-29-6	Aroclor-1248	9.10	U	9.10	19.5	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.5	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	19.5	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	19.5	ug/kg
11096-82-5	Aroclor-1260	207		3.30	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.4		30 (32) - 150 (144)	127%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.0		30 (32) - 150 (175)	115%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-03MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86.9 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109235.D	1	01/28/25 09:10	01/29/25 15:08	PB166293

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	223		3.90	19.5	ug/kg
11104-28-2	Aroclor-1221	7.40	U	7.40	19.5	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.5	ug/kg
53469-21-9	Aroclor-1242	3.90	U	3.90	19.5	ug/kg
12672-29-6	Aroclor-1248	9.10	U	9.10	19.5	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.5	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	19.5	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	19.5	ug/kg
11096-82-5	Aroclor-1260	205		3.30	19.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.9		30 (32) - 150 (144)	130%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		30 (32) - 150 (175)	114%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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() = Laboratory InHouse Limit

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Instrument ID: ECD_O **Calibration Date(s):** 01/21/2025 01/22/2025

Calibration Times: 17:36 01:50

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO108982.D RT 750 = PO108983.D

RT 500 = PO108984.D RT 250 = PO108985.D RT 050 = PO108986.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.79	4.79	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-2	(2)	4.81	4.82	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1016-3	(3)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1016-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1016-5	(5)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1260-1	(1)	6.29	6.29	6.29	6.29	6.29	6.29	6.19	6.39
Aroclor-1260-2	(2)	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Aroclor-1260-3	(3)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-4	(4)	7.11	7.11	7.11	7.11	7.11	7.11	7.01	7.21
Aroclor-1260-5	(5)	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1242-1	(1)	4.80	4.80	4.80	4.80	4.79	4.80	4.70	4.90
Aroclor-1242-2	(2)	4.82	4.82	4.82	4.82	4.81	4.82	4.72	4.92
Aroclor-1242-3	(3)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1242-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1242-5	(5)	5.65	5.65	5.65	5.65	5.64	5.65	5.55	5.75
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1248-1	(1)	4.80	4.79	4.79	4.80	4.80	4.80	4.70	4.90
Aroclor-1248-2	(2)	5.03	5.03	5.03	5.03	5.03	5.03	4.93	5.13
Aroclor-1248-3	(3)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1248-4	(4)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1248-5	(5)	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1254-1	(1)	5.60	5.61	5.60	5.61	5.60	5.60	5.50	5.70
Aroclor-1254-2	(2)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1254-3	(3)	6.16	6.16	6.16	6.16	6.16	6.16	6.06	6.26
Aroclor-1254-4	(4)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Aroclor-1254-5	(5)	6.81	6.81	6.81	6.81	6.81	6.81	6.71	6.91
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1268-1	(1)	7.63	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1268-2	(2)	7.70	7.70	7.70	7.70	7.70	7.70	7.60	7.80
Aroclor-1268-3	(3)	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
Aroclor-1268-4	(4)	8.20	8.20	8.20	8.20	8.20	8.20	8.10	8.30
Aroclor-1268-5	(5)	8.50	8.50	8.50	8.50	8.50	8.50	8.40	8.60

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene	3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Instrument ID: ECD_O **Calibration Date(s):** 01/21/2025 01/22/2025

Calibration Times: 17:36 01:50

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO108982.D RT 750 = PO108983.D

RT 500 = PO108984.D RT 250 = PO108985.D RT 050 = PO108986.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.78	4.78	4.80	4.78	4.78	4.79	4.69	4.89
Aroclor-1016-2	(2)	4.80	4.80	4.82	4.80	4.80	4.81	4.71	4.91
Aroclor-1016-3	(3)	4.98	4.98	5.00	4.98	4.98	4.98	4.88	5.08
Aroclor-1016-4	(4)	5.02	5.02	5.04	5.02	5.02	5.02	4.92	5.12
Aroclor-1016-5	(5)	5.23	5.23	5.25	5.23	5.23	5.24	5.14	5.34
Aroclor-1260-1	(1)	6.27	6.27	6.29	6.27	6.26	6.27	6.17	6.37
Aroclor-1260-2	(2)	6.45	6.45	6.47	6.45	6.45	6.46	6.36	6.56
Aroclor-1260-3	(3)	6.61	6.61	6.63	6.61	6.61	6.61	6.51	6.71
Aroclor-1260-4	(4)	7.08	7.08	7.10	7.08	7.08	7.08	6.98	7.18
Aroclor-1260-5	(5)	7.32	7.32	7.34	7.32	7.32	7.32	7.22	7.42
Decachlorobiphenyl		8.71	8.71	8.73	8.71	8.71	8.72	8.62	8.82
Tetrachloro-m-xylene		3.70	3.70	3.72	3.70	3.70	3.70	3.60	3.80
Aroclor-1242-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-2	(2)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1242-3	(3)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1242-4	(4)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1242-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1248-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1248-2	(2)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1248-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1248-4	(4)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1248-5	(5)	5.62	5.62	5.62	5.63	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1254-1	(1)	5.58	5.58	5.58	5.59	5.58	5.58	5.48	5.68
Aroclor-1254-2	(2)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-3	(3)	6.13	6.14	6.13	6.14	6.13	6.14	6.04	6.24
Aroclor-1254-4	(4)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1254-5	(5)	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1268-1	(1)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Aroclor-1268-2	(2)	7.67	7.67	7.67	7.67	7.66	7.67	7.57	7.77
Aroclor-1268-3	(3)	7.87	7.87	7.87	7.88	7.87	7.87	7.77	7.97
Aroclor-1268-4	(4)	8.16	8.16	8.16	8.16	8.16	8.16	8.06	8.26
Aroclor-1268-5	(5)	8.45	8.45	8.45	8.45	8.45	8.45	8.35	8.55

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene	3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Instrument ID: ECD_O **Calibration Date(s):** 01/21/2025 01/22/2025

Calibration Times: 17:36 01:50

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: **CF 1000 =** PO108982.D **CF 750 =** PO108983.D

CF 500 = PO108984.D **CF 250 =** PO108985.D **CF 050 =** PO108986.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	233065045	244410019	248250902	263810212	271896440	252286524	6
Aroclor-1016-2	(2)	325363679	338972765	344308556	357996712	357782160	344884774	4
Aroclor-1016-3	(3)	223049536	234801713	240773660	257313424	264644780	244116623	7
Aroclor-1016-4	(4)	175974311	184579665	189100190	198987084	205504880	190829226	6
Aroclor-1016-5	(5)	190134930	199311205	207066494	222947156	224348000	208761557	7
Aroclor-1260-1	(1)	348800771	364882765	375462458	399932624	416699380	381155600	7
Aroclor-1260-2	(2)	430525248	448276513	461774946	488220872	519105560	469580628	7
Aroclor-1260-3	(3)	359859412	378331397	386511394	408169100	424938760	391562013	7
Aroclor-1260-4	(4)	332481764	347292652	354683668	372951676	382377400	357957432	6
Aroclor-1260-5	(5)	803151986	830038244	833771178	853559688	852457760	834595771	2
Decachlorobiphenyl		6434348190	6661231787	6830111140	7188416880	7524624800	6927746559	6
Tetrachloro-m-xylene		7601276640	7501278947	7481675880	7644109480	7553803600	7556428909	1
Aroclor-1242-1	(1)	195196952	201389908	214304986	226003920	225308640	212440881	7
Aroclor-1242-2	(2)	268098195	278641713	289244872	304071824	293574460	286726213	5
Aroclor-1242-3	(3)	186201466	194711956	206440658	220830688	215362160	204709386	7
Aroclor-1242-4	(4)	146339247	152438169	160415562	170237596	164916200	158869355	6
Aroclor-1242-5	(5)	154300112	158580243	167963632	178401740	175909460	167031037	6
Decachlorobiphenyl		6093757170	6273163067	6555969800	6873050240	6988220200	6556832095	6
Tetrachloro-m-xylene		7302831450	7496516067	7696349800	7451780120	6586958200	7306887127	6
Aroclor-1248-1	(1)	145246997	150453889	157781164	170519664	173855120	159571367	8
Aroclor-1248-2	(2)	197265768	209686637	218963792	239048120	252482700	223489403	10
Aroclor-1248-3	(3)	248188978	257855635	270690240	293270108	299294900	273859972	8
Aroclor-1248-4	(4)	351583188	362624208	379215116	402583304	426725120	384546187	8
Aroclor-1248-5	(5)	245666962	251879323	262640736	279614828	288543680	265669106	7
Decachlorobiphenyl		6072639940	6272001520	6560139460	6944778840	7129210800	6595754112	7
Tetrachloro-m-xylene		7184593920	7370395840	7484351680	7653720840	7312573400	7401127136	2
Aroclor-1254-1	(1)	374847163	389452248	410697836	433454068	459205320	413531327	8
Aroclor-1254-2	(2)	325342531	339278107	358066768	381289080	405152620	361825821	9
Aroclor-1254-3	(3)	522141746	540493293	562618572	587400960	607950820	564121078	6
Aroclor-1254-4	(4)	328382284	332039301	348673262	361037032	352970440	344620464	4
Aroclor-1254-5	(5)	475331089	489980032	515035558	537655848	547482260	513096957	6
Decachlorobiphenyl		6154630290	6360969147	6655043100	6960677720	7204237800	6667111611	6
Tetrachloro-m-xylene		7266635340	7453080907	7677404800	7686251640	7337350200	7484144577	3
Aroclor-1268-1	(1)	1033690630	1036942464	1067670602	1080273708	1104982020	1064711885	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	952087675	951155156	979561020	979388044	983362060	969110791	2
Aroclor-1268-3	(3)	786406202	784932265	807859298	814292396	834332900	805564612	3
Aroclor-1268-4	(4)	327369336	328395845	341390382	351699060	363994160	342569757	5
Aroclor-1268-5	(5)	2419252053	2385425329	2430042174	2398845144	2323360200	2391384980	2
Decachlorobiphenyl		11036128070	11026162653	11389192500	11664983320	12135593800	11450412069	4
Tetrachloro-m-xylene		7546638300	7604080347	7812040940	7844017680	7509481400	7663251733	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Instrument ID: ECD_O **Calibration Date(s):** 01/21/2025 01/22/2025

Calibration Times: 17:36 01:50

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: **CF 1000 =** PO108982.D **CF 750 =** PO108983.D

CF 500 = PO108984.D **CF 250 =** PO108985.D **CF 050 =** PO108986.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	145518803	142573049	166649690	172900172	181948120	161917967	11
Aroclor-1016-2	(2)	223129267	236622256	232122136	250011316	249296120	238236219	5
Aroclor-1016-3	(3)	121270732	126119179	128693642	138175620	137629920	130377819	6
Aroclor-1016-4	(4)	98703058	105288716	109289440	120650588	118660940	110518548	8
Aroclor-1016-5	(5)	130939362	136319948	141694888	155164716	153595760	143542935	7
Aroclor-1260-1	(1)	229857010	239931019	247217984	265407312	277830920	252048849	8
Aroclor-1260-2	(2)	274616892	283537992	291890314	314812824	339164440	300804492	9
Aroclor-1260-3	(3)	255547157	264550967	272530098	288370904	310931080	278386041	8
Aroclor-1260-4	(4)	210034482	216033343	222462830	233977972	245747280	225651181	6
Aroclor-1260-5	(5)	481178354	492665984	499979908	514637484	514938920	500680130	3
Decachlorobiphenyl		3156544800	3289680693	3391332080	3623383520	3732817400	3438751699	7
Tetrachloro-m-xylene		5315746230	5437498093	5428207440	5462079080	5158066000	5360319369	2
Aroclor-1242-1	(1)	130294727	135534199	142873858	151389892	154466220	142911779	7
Aroclor-1242-2	(2)	183791222	188978371	198913930	207089908	207312700	197217226	5
Aroclor-1242-3	(3)	100083291	104057155	110676450	116018292	114379700	109042978	6
Aroclor-1242-4	(4)	101694040	106737525	114342192	123447428	121997980	113643833	8
Aroclor-1242-5	(5)	124175329	128045065	135895568	145256248	150561360	136786714	8
Decachlorobiphenyl		2975923130	3104041173	3249737920	3444762080	3552503800	3265393621	7
Tetrachloro-m-xylene		5146305370	5269389160	5422425040	5452266880	4942424000	5246562090	4
Aroclor-1248-1	(1)	97508588	101198119	106540372	114549420	116802080	107319716	8
Aroclor-1248-2	(2)	135954819	143343636	151605960	164947764	174030220	153976480	10
Aroclor-1248-3	(3)	145968318	152945292	161442194	176334456	190180940	165374240	11
Aroclor-1248-4	(4)	171715835	178859555	187881420	202639424	216432800	191505807	9
Aroclor-1248-5	(5)	167823607	172638881	180053168	192035492	203508660	183211962	8
Decachlorobiphenyl		3009595400	3126029333	3260555920	3479534800	3551272200	3285397531	7
Tetrachloro-m-xylene		5072748910	5224226253	5283938200	5402921120	5021628000	5201092497	3
Aroclor-1254-1	(1)	253547823	264686405	278940988	295164372	313075680	281083054	8
Aroclor-1254-2	(2)	223099297	232757513	247383274	262896088	285176280	250262490	10
Aroclor-1254-3	(3)	362340991	375750797	393412880	409817176	422789620	392822293	6
Aroclor-1254-4	(4)	207964031	212728924	222445680	231289600	227332320	220352111	4
Aroclor-1254-5	(5)	302636627	313319767	329146572	343115096	345356740	326714960	6
Decachlorobiphenyl		3009418030	3125275440	3274408080	3481058080	3592269800	3296485886	7
Tetrachloro-m-xylene		5157782560	5318511973	5462257400	5454366480	5168021000	5312187883	3
Aroclor-1268-1	(1)	605633372	613614913	625929052	644237020	658094440	629501759	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	555793036	560357999	571244564	587032548	581198500	571125329	2
Aroclor-1268-3	(3)	443116844	448542784	458393734	471576124	481232120	460572321	3
Aroclor-1268-4	(4)	171795401	175640587	181667170	188528320	184928840	180512064	4
Aroclor-1268-5	(5)	1182764439	1191499568	1205466938	1214359780	1189190120	1196656169	1
Decachlorobiphenyl		5296716160	5425177360	5590471540	5802552800	5997123200	5622408212	5
Tetrachloro-m-xylene		5377448880	5418716973	5531134800	5564772080	5234786600	5425371867	2

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Instrument ID: ECD_O **Date(s) Analyzed:** 01/21/2025 01/22/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	100101000
		2	4.00	3.90	4.10	74407200
		3	4.08	3.98	4.18	208014000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.08	3.98	4.18	165122000
		2	4.57	4.47	4.67	90981600
		3	4.81	4.71	4.91	160152000
		4	4.99	4.89	5.09	88001400
		5	5.03	4.93	5.13	64818200
Aroclor-1262	500	1	6.85	6.75	6.95	534016000
		2	7.35	7.25	7.45	919466000
		3	7.64	7.54	7.74	364572000
		4	7.70	7.60	7.80	687626000
		5	8.20	8.10	8.30	302118000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Instrument ID: ECD_O **Date(s) Analyzed:** 01/21/2025 01/22/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	65489800
		2	4.00	3.90	4.10	49387600
		3	4.07	3.97	4.17	145160000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	115508000
		2	4.80	4.70	4.90	108913000
		3	4.98	4.88	5.08	59967000
		4	5.06	4.96	5.16	57262000
		5	5.23	5.13	5.33	60672000
Aroclor-1262	500	1	6.82	6.72	6.92	340358000
		2	7.32	7.22	7.42	554604000
		3	7.60	7.50	7.70	214440000
		4	7.67	7.57	7.77	391888000
		5	8.16	8.06	8.26	159461000

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Continuing Calib Date: 01/29/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 11:53 **Initial Calibration Time(s):** 17:36 01:50

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-2	(2)	4.82	4.81	4.71	4.91	-0.01
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.00
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.00
Aroclor-1260-3	(3)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-4	(4)	7.11	7.11	7.01	7.21	0.00
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.00
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.76	8.76	8.66	8.86	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Continuing Calib Date: 01/29/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 11:53 **Initial Calibration Time(s):** 17:36 01:50

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.80	4.70	4.90	0.02
Aroclor-1016-2	(2)	4.80	4.82	4.72	4.92	0.02
Aroclor-1016-3	(3)	4.98	5.00	4.90	5.10	0.02
Aroclor-1016-4	(4)	5.02	5.04	4.94	5.14	0.02
Aroclor-1016-5	(5)	5.23	5.25	5.15	5.35	0.02
Aroclor-1260-1	(1)	6.27	6.29	6.19	6.39	0.02
Aroclor-1260-2	(2)	6.45	6.47	6.37	6.57	0.02
Aroclor-1260-3	(3)	6.61	6.63	6.53	6.73	0.02
Aroclor-1260-4	(4)	7.08	7.10	7.00	7.20	0.02
Aroclor-1260-5	(5)	7.32	7.34	7.24	7.44	0.02
Tetrachloro-m-xylene		3.70	3.72	3.62	3.82	0.02
Decachlorobiphenyl		8.72	8.73	8.63	8.83	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 01/29/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109224.D **Time Analyzed:** 11:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.795	4.695	4.895	537.920	500.000	7.6
Aroclor-1016-2	4.815	4.714	4.914	537.190	500.000	7.4
Aroclor-1016-3	4.872	4.770	4.970	534.470	500.000	6.9
Aroclor-1016-4	4.993	4.891	5.091	539.610	500.000	7.9
Aroclor-1016-5	5.250	5.149	5.349	532.740	500.000	6.5
Aroclor-1260-1	6.294	6.190	6.390	523.850	500.000	4.8
Aroclor-1260-2	6.482	6.379	6.579	520.770	500.000	4.2
Aroclor-1260-3	6.851	6.747	6.947	524.120	500.000	4.8
Aroclor-1260-4	7.112	7.008	7.208	526.960	500.000	5.4
Aroclor-1260-5	7.353	7.249	7.449	528.070	500.000	5.6
Decachlorobiphenyl	8.764	8.658	8.858	52.620	50.000	5.2
Tetrachloro-m-xylene	3.700	3.600	3.800	53.800	50.000	7.6

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 01/29/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109224.D **Time Analyzed:** 11:53

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.782	4.703	4.903	562.120	500.000	12.4
Aroclor-1016-2	4.801	4.722	4.922	506.190	500.000	1.2
Aroclor-1016-3	4.976	4.898	5.098	526.530	500.000	5.3
Aroclor-1016-4	5.019	4.940	5.140	524.730	500.000	4.9
Aroclor-1016-5	5.232	5.153	5.353	522.620	500.000	4.5
Aroclor-1260-1	6.267	6.186	6.386	515.120	500.000	3.0
Aroclor-1260-2	6.454	6.373	6.573	508.150	500.000	1.6
Aroclor-1260-3	6.608	6.527	6.727	511.800	500.000	2.4
Aroclor-1260-4	7.080	6.999	7.199	511.760	500.000	2.4
Aroclor-1260-5	7.320	7.239	7.439	509.550	500.000	1.9
Decachlorobiphenyl	8.715	8.633	8.833	49.550	50.000	-0.9
Tetrachloro-m-xylene	3.697	3.618	3.818	54.550	50.000	9.1

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Continuing Calib Date: 01/29/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 16:49 **Initial Calibration Time(s):** 17:36 01:50

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-2	(2)	4.82	4.81	4.71	4.91	-0.01
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.00
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.00
Aroclor-1260-3	(3)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-4	(4)	7.11	7.11	7.01	7.21	0.00
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.00
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.76	8.76	8.66	8.86	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Continuing Calib Date: 01/29/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 16:49 **Initial Calibration Time(s):** 17:36 01:50

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.80	4.70	4.90	0.02
Aroclor-1016-2	(2)	4.80	4.82	4.72	4.92	0.02
Aroclor-1016-3	(3)	4.98	5.00	4.90	5.10	0.02
Aroclor-1016-4	(4)	5.02	5.04	4.94	5.14	0.02
Aroclor-1016-5	(5)	5.23	5.25	5.15	5.35	0.02
Aroclor-1260-1	(1)	6.27	6.29	6.19	6.39	0.02
Aroclor-1260-2	(2)	6.45	6.47	6.37	6.57	0.02
Aroclor-1260-3	(3)	6.61	6.63	6.53	6.73	0.02
Aroclor-1260-4	(4)	7.08	7.10	7.00	7.20	0.02
Aroclor-1260-5	(5)	7.32	7.34	7.24	7.44	0.02
Tetrachloro-m-xylene		3.70	3.72	3.62	3.82	0.02
Decachlorobiphenyl		8.71	8.73	8.63	8.83	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 01/29/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109239.D **Time Analyzed:** 16:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.795	4.695	4.895	548.700	500.000	9.7
Aroclor-1016-2	4.815	4.714	4.914	549.830	500.000	10.0
Aroclor-1016-3	4.871	4.770	4.970	544.000	500.000	8.8
Aroclor-1016-4	4.992	4.891	5.091	546.500	500.000	9.3
Aroclor-1016-5	5.250	5.149	5.349	549.970	500.000	10.0
Aroclor-1260-1	6.292	6.190	6.390	541.430	500.000	8.3
Aroclor-1260-2	6.481	6.379	6.579	533.430	500.000	6.7
Aroclor-1260-3	6.850	6.747	6.947	540.540	500.000	8.1
Aroclor-1260-4	7.110	7.008	7.208	539.260	500.000	7.9
Aroclor-1260-5	7.352	7.249	7.449	539.520	500.000	7.9
Decachlorobiphenyl	8.763	8.658	8.858	53.320	50.000	6.6
Tetrachloro-m-xylene	3.700	3.600	3.800	54.500	50.000	9.0

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 01/29/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109239.D **Time Analyzed:** 16:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.781	4.703	4.903	523.890	500.000	4.8
Aroclor-1016-2	4.801	4.722	4.922	545.010	500.000	9.0
Aroclor-1016-3	4.976	4.898	5.098	534.620	500.000	6.9
Aroclor-1016-4	5.018	4.940	5.140	524.610	500.000	4.9
Aroclor-1016-5	5.231	5.153	5.353	535.200	500.000	7.0
Aroclor-1260-1	6.266	6.186	6.386	525.330	500.000	5.1
Aroclor-1260-2	6.453	6.373	6.573	521.480	500.000	4.3
Aroclor-1260-3	6.607	6.527	6.727	522.180	500.000	4.4
Aroclor-1260-4	7.079	6.999	7.199	522.690	500.000	4.5
Aroclor-1260-5	7.319	7.239	7.439	522.200	500.000	4.4
Decachlorobiphenyl	8.714	8.633	8.833	49.630	50.000	-0.7
Tetrachloro-m-xylene	3.697	3.618	3.818	54.990	50.000	10.0

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 17:19 **Initial Calibration Time(s):** 17:36 01:50

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.00
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.00
Aroclor-1260-3	(3)	6.85	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.11	7.11	7.01	7.21	0.00
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.00
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.76	8.76	8.66	8.86	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 17:19 **Initial Calibration Time(s):** 17:36 01:50

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.80	4.70	4.90	0.02
Aroclor-1016-2	(2)	4.80	4.82	4.72	4.92	0.02
Aroclor-1016-3	(3)	4.97	5.00	4.90	5.10	0.03
Aroclor-1016-4	(4)	5.02	5.04	4.94	5.14	0.03
Aroclor-1016-5	(5)	5.23	5.25	5.15	5.35	0.02
Aroclor-1260-1	(1)	6.26	6.29	6.19	6.39	0.03
Aroclor-1260-2	(2)	6.45	6.47	6.37	6.57	0.02
Aroclor-1260-3	(3)	6.60	6.63	6.53	6.73	0.03
Aroclor-1260-4	(4)	7.08	7.10	7.00	7.20	0.03
Aroclor-1260-5	(5)	7.32	7.34	7.24	7.44	0.02
Tetrachloro-m-xylene		3.70	3.72	3.62	3.82	0.03
Decachlorobiphenyl		8.71	8.73	8.63	8.83	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 01/30/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109288.D **Time Analyzed:** 17:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.792	4.695	4.895	497.330	500.000	-0.5
Aroclor-1016-2	4.812	4.714	4.914	492.970	500.000	-1.4
Aroclor-1016-3	4.868	4.770	4.970	487.850	500.000	-2.4
Aroclor-1016-4	4.989	4.891	5.091	489.660	500.000	-2.1
Aroclor-1016-5	5.246	5.149	5.349	491.810	500.000	-1.6
Aroclor-1260-1	6.289	6.190	6.390	442.630	500.000	-11.5
Aroclor-1260-2	6.477	6.379	6.579	440.620	500.000	-11.9
Aroclor-1260-3	6.845	6.747	6.947	439.260	500.000	-12.1
Aroclor-1260-4	7.106	7.008	7.208	420.790	500.000	-15.8
Aroclor-1260-5	7.347	7.249	7.449	404.900	500.000	-19.0
Decachlorobiphenyl	8.756	8.658	8.858	38.970	50.000	-22.1
Tetrachloro-m-xylene	3.698	3.600	3.800	49.370	50.000	-1.3

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 01/30/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109288.D **Time Analyzed:** 17:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.778	4.703	4.903	521.430	500.000	4.3
Aroclor-1016-2	4.798	4.722	4.922	526.420	500.000	5.3
Aroclor-1016-3	4.974	4.898	5.098	511.150	500.000	2.2
Aroclor-1016-4	5.015	4.940	5.140	493.930	500.000	-1.2
Aroclor-1016-5	5.229	5.153	5.353	520.120	500.000	4.0
Aroclor-1260-1	6.262	6.186	6.386	473.510	500.000	-5.3
Aroclor-1260-2	6.449	6.373	6.573	461.500	500.000	-7.7
Aroclor-1260-3	6.604	6.527	6.727	456.810	500.000	-8.6
Aroclor-1260-4	7.075	6.999	7.199	439.710	500.000	-12.1
Aroclor-1260-5	7.315	7.239	7.439	442.370	500.000	-11.5
Decachlorobiphenyl	8.708	8.633	8.833	42.440	50.000	-15.1
Tetrachloro-m-xylene	3.695	3.618	3.818	53.020	50.000	6.0

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 22:32 **Initial Calibration Time(s):** 17:36 01:50

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.00
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.00
Aroclor-1260-3	(3)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-4	(4)	7.11	7.11	7.01	7.21	0.00
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.00
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.76	8.76	8.66	8.86	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

Continuing Calib Date: 01/30/2025 **Initial Calibration Date(s):** 01/21/2025 01/22/2025

Continuing Calib Time: 22:32 **Initial Calibration Time(s):** 17:36 01:50

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.80	4.70	4.90	0.02
Aroclor-1016-2	(2)	4.80	4.82	4.72	4.92	0.02
Aroclor-1016-3	(3)	4.97	5.00	4.90	5.10	0.03
Aroclor-1016-4	(4)	5.02	5.04	4.94	5.14	0.02
Aroclor-1016-5	(5)	5.23	5.25	5.15	5.35	0.02
Aroclor-1260-1	(1)	6.26	6.29	6.19	6.39	0.03
Aroclor-1260-2	(2)	6.45	6.47	6.37	6.57	0.02
Aroclor-1260-3	(3)	6.60	6.63	6.53	6.73	0.03
Aroclor-1260-4	(4)	7.08	7.10	7.00	7.20	0.03
Aroclor-1260-5	(5)	7.32	7.34	7.24	7.44	0.02
Tetrachloro-m-xylene		3.70	3.72	3.62	3.82	0.02
Decachlorobiphenyl		8.71	8.73	8.63	8.83	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 01/30/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109302.D **Time Analyzed:** 22:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.793	4.695	4.895	490.700	500.000	-1.9
Aroclor-1016-2	4.812	4.714	4.914	492.170	500.000	-1.6
Aroclor-1016-3	4.869	4.770	4.970	483.870	500.000	-3.2
Aroclor-1016-4	4.989	4.891	5.091	488.000	500.000	-2.4
Aroclor-1016-5	5.247	5.149	5.349	496.010	500.000	-0.8
Aroclor-1260-1	6.289	6.190	6.390	430.090	500.000	-14.0
Aroclor-1260-2	6.477	6.379	6.579	440.410	500.000	-11.9
Aroclor-1260-3	6.846	6.747	6.947	433.480	500.000	-13.3
Aroclor-1260-4	7.107	7.008	7.208	394.520	500.000	-21.1
Aroclor-1260-5	7.348	7.249	7.449	381.150	500.000	-23.8
Decachlorobiphenyl	8.756	8.658	8.858	36.570	50.000	-26.9
Tetrachloro-m-xylene	3.698	3.600	3.800	48.880	50.000	-2.2

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1194 **SAS No.:** Q1194 **SDG NO.:** Q1194

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 01/21/2025 01/21/2025

Client Sample No.: CCAL04 **Date Analyzed:** 01/30/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109302.D **Time Analyzed:** 22:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.779	4.703	4.903	523.440	500.000	4.7
Aroclor-1016-2	4.798	4.722	4.922	529.350	500.000	5.9
Aroclor-1016-3	4.974	4.898	5.098	506.610	500.000	1.3
Aroclor-1016-4	5.016	4.940	5.140	485.490	500.000	-2.9
Aroclor-1016-5	5.229	5.153	5.353	525.720	500.000	5.1
Aroclor-1260-1	6.263	6.186	6.386	466.410	500.000	-6.7
Aroclor-1260-2	6.450	6.373	6.573	457.160	500.000	-8.6
Aroclor-1260-3	6.604	6.527	6.727	451.860	500.000	-9.6
Aroclor-1260-4	7.075	6.999	7.199	440.120	500.000	-12.0
Aroclor-1260-5	7.315	7.239	7.439	436.020	500.000	-12.8
Decachlorobiphenyl	8.708	8.633	8.833	40.200	50.000	-19.6
Tetrachloro-m-xylene	3.696	3.618	3.818	52.770	50.000	5.5

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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 01/21/2025 01/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	01/21/2025	17:18	PO108981.D	8.76	3.70
AR1660ICC1000	AR1660ICC1000	01/21/2025	17:36	PO108982.D	8.76	3.70
AR1660ICC750	AR1660ICC750	01/21/2025	17:54	PO108983.D	8.76	3.70
AR1660ICC500	AR1660ICC500	01/21/2025	18:13	PO108984.D	8.76	3.70
AR1660ICC250	AR1660ICC250	01/21/2025	18:31	PO108985.D	8.76	3.70
AR1660ICC050	AR1660ICC050	01/21/2025	18:49	PO108986.D	8.76	3.70
AR1221ICC500	AR1221ICC500	01/21/2025	19:07	PO108987.D	8.76	3.70
AR1232ICC500	AR1232ICC500	01/21/2025	19:26	PO108988.D	8.76	3.70
AR1242ICC1000	AR1242ICC1000	01/21/2025	19:44	PO108989.D	8.76	3.70
AR1242ICC750	AR1242ICC750	01/21/2025	20:02	PO108990.D	8.76	3.70
AR1242ICC500	AR1242ICC500	01/21/2025	20:21	PO108991.D	8.76	3.70
AR1242ICC250	AR1242ICC250	01/21/2025	20:39	PO108992.D	8.76	3.70
AR1242ICC050	AR1242ICC050	01/21/2025	20:57	PO108993.D	8.76	3.70
AR1248ICC1000	AR1248ICC1000	01/21/2025	21:16	PO108994.D	8.76	3.70
AR1248ICC750	AR1248ICC750	01/21/2025	21:34	PO108995.D	8.76	3.70
AR1248ICC500	AR1248ICC500	01/21/2025	21:52	PO108996.D	8.76	3.70
AR1248ICC250	AR1248ICC250	01/21/2025	22:10	PO108997.D	8.76	3.70
AR1248ICC050	AR1248ICC050	01/21/2025	22:29	PO108998.D	8.76	3.70
AR1254ICC1000	AR1254ICC1000	01/21/2025	22:47	PO108999.D	8.76	3.70
AR1254ICC750	AR1254ICC750	01/21/2025	23:05	PO109000.D	8.76	3.70
AR1254ICC500	AR1254ICC500	01/21/2025	23:23	PO109001.D	8.76	3.70
AR1254ICC250	AR1254ICC250	01/21/2025	23:42	PO109002.D	8.76	3.70
AR1254ICC050	AR1254ICC050	01/22/2025	00:00	PO109003.D	8.76	3.70
AR1262ICC500	AR1262ICC500	01/22/2025	00:18	PO109004.D	8.76	3.70
AR1268ICC1000	AR1268ICC1000	01/22/2025	00:37	PO109005.D	8.76	3.70
AR1268ICC750	AR1268ICC750	01/22/2025	00:55	PO109006.D	8.76	3.70
AR1268ICC500	AR1268ICC500	01/22/2025	01:13	PO109007.D	8.76	3.70
AR1268ICC250	AR1268ICC250	01/22/2025	01:31	PO109008.D	8.76	3.70
AR1268ICC050	AR1268ICC050	01/22/2025	01:50	PO109009.D	8.76	3.70
AR1660CCC500	AR1660CCC500	01/29/2025	11:53	PO109224.D	8.76	3.70
I.BLK	I.BLK	01/29/2025	13:04	PO109228.D	8.76	3.70
PB166293BL	PB166293BL	01/29/2025	13:21	PO109229.D	8.76	3.70
PB166293BS	PB166293BS	01/29/2025	13:40	PO109230.D	8.77	3.70
B-110-SB01	Q1194-01	01/29/2025	13:58	PO109231.D	8.76	3.70
B-110-SB02	Q1194-02	01/29/2025	14:15	PO109232.D	8.76	3.70
B-113-SB01	Q1194-03	01/29/2025	14:34	PO109233.D	8.77	3.70
B-113-SB01MS	Q1194-03MS	01/29/2025	14:51	PO109234.D	8.76	3.70
B-113-SB01MSD	Q1194-03MSD	01/29/2025	15:08	PO109235.D	8.76	3.70
B-113-SB02	Q1194-04	01/29/2025	15:27	PO109236.D	8.76	3.70
AR1660CCC500	AR1660CCC500	01/29/2025	16:49	PO109239.D	8.76	3.70
I.BLK	I.BLK	01/29/2025	18:02	PO109243.D	8.76	3.70
AR1660CCC500	AR1660CCC500	01/30/2025	17:19	PO109288.D	8.76	3.70

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Analytical Sequence

I.BLK	I.BLK	01/30/2025	18:32	PO109292.D	8.76	3.70
PB166366BL	PB166366BL	01/30/2025	20:50	PO109298.D	8.76	3.70
PB166366BS	PB166366BS	01/30/2025	21:09	PO109299.D	8.76	3.70
PB166366BSD	PB166366BSD	01/30/2025	21:27	PO109300.D	8.76	3.70
EB	Q1194-08	01/30/2025	21:45	PO109301.D	8.76	3.70
AR1660CCC500	AR1660CCC500	01/30/2025	22:32	PO109302.D	8.76	3.70
I.BLK	I.BLK	01/30/2025	23:45	PO109306.D	8.76	3.70

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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 01/21/2025 01/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	01/21/2025	17:18	PO108981.D	8.71	3.70
AR1660ICC1000	AR1660ICC1000	01/21/2025	17:36	PO108982.D	8.71	3.70
AR1660ICC750	AR1660ICC750	01/21/2025	17:54	PO108983.D	8.71	3.70
AR1660ICC500	AR1660ICC500	01/21/2025	18:13	PO108984.D	8.73	3.72
AR1660ICC250	AR1660ICC250	01/21/2025	18:31	PO108985.D	8.71	3.70
AR1660ICC050	AR1660ICC050	01/21/2025	18:49	PO108986.D	8.71	3.70
AR1221ICC500	AR1221ICC500	01/21/2025	19:07	PO108987.D	8.71	3.70
AR1232ICC500	AR1232ICC500	01/21/2025	19:26	PO108988.D	8.71	3.70
AR1242ICC1000	AR1242ICC1000	01/21/2025	19:44	PO108989.D	8.71	3.70
AR1242ICC750	AR1242ICC750	01/21/2025	20:02	PO108990.D	8.71	3.70
AR1242ICC500	AR1242ICC500	01/21/2025	20:21	PO108991.D	8.71	3.70
AR1242ICC250	AR1242ICC250	01/21/2025	20:39	PO108992.D	8.71	3.70
AR1242ICC050	AR1242ICC050	01/21/2025	20:57	PO108993.D	8.71	3.70
AR1248ICC1000	AR1248ICC1000	01/21/2025	21:16	PO108994.D	8.71	3.70
AR1248ICC750	AR1248ICC750	01/21/2025	21:34	PO108995.D	8.71	3.70
AR1248ICC500	AR1248ICC500	01/21/2025	21:52	PO108996.D	8.71	3.70
AR1248ICC250	AR1248ICC250	01/21/2025	22:10	PO108997.D	8.71	3.70
AR1248ICC050	AR1248ICC050	01/21/2025	22:29	PO108998.D	8.71	3.70
AR1254ICC1000	AR1254ICC1000	01/21/2025	22:47	PO108999.D	8.71	3.70
AR1254ICC750	AR1254ICC750	01/21/2025	23:05	PO109000.D	8.71	3.70
AR1254ICC500	AR1254ICC500	01/21/2025	23:23	PO109001.D	8.71	3.70
AR1254ICC250	AR1254ICC250	01/21/2025	23:42	PO109002.D	8.71	3.70
AR1254ICC050	AR1254ICC050	01/22/2025	00:00	PO109003.D	8.71	3.70
AR1262ICC500	AR1262ICC500	01/22/2025	00:18	PO109004.D	8.71	3.70
AR1268ICC1000	AR1268ICC1000	01/22/2025	00:37	PO109005.D	8.71	3.70
AR1268ICC750	AR1268ICC750	01/22/2025	00:55	PO109006.D	8.71	3.70
AR1268ICC500	AR1268ICC500	01/22/2025	01:13	PO109007.D	8.71	3.70
AR1268ICC250	AR1268ICC250	01/22/2025	01:31	PO109008.D	8.71	3.70
AR1268ICC050	AR1268ICC050	01/22/2025	01:50	PO109009.D	8.71	3.70
AR1660CCC500	AR1660CCC500	01/29/2025	11:53	PO109224.D	8.72	3.70
I.BLK	I.BLK	01/29/2025	13:04	PO109228.D	8.72	3.70
PB166293BL	PB166293BL	01/29/2025	13:21	PO109229.D	8.72	3.70
PB166293BS	PB166293BS	01/29/2025	13:40	PO109230.D	8.71	3.70
B-110-SB01	Q1194-01	01/29/2025	13:58	PO109231.D	8.72	3.70
B-110-SB02	Q1194-02	01/29/2025	14:15	PO109232.D	8.71	3.70
B-113-SB01	Q1194-03	01/29/2025	14:34	PO109233.D	8.72	3.70
B-113-SB01MS	Q1194-03MS	01/29/2025	14:51	PO109234.D	8.71	3.70
B-113-SB01MSD	Q1194-03MSD	01/29/2025	15:08	PO109235.D	8.71	3.70
B-113-SB02	Q1194-04	01/29/2025	15:27	PO109236.D	8.71	3.70
AR1660CCC500	AR1660CCC500	01/29/2025	16:49	PO109239.D	8.71	3.70
I.BLK	I.BLK	01/29/2025	18:02	PO109243.D	8.71	3.70
AR1660CCC500	AR1660CCC500	01/30/2025	17:19	PO109288.D	8.71	3.70

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Analytical Sequence

I.BLK	I.BLK	01/30/2025	18:32	PO109292.D	8.71	3.70
PB166366BL	PB166366BL	01/30/2025	20:50	PO109298.D	8.71	3.70
PB166366BS	PB166366BS	01/30/2025	21:09	PO109299.D	8.71	3.70
PB166366BSD	PB166366BSD	01/30/2025	21:27	PO109300.D	8.71	3.70
EB	Q1194-08	01/30/2025	21:45	PO109301.D	8.71	3.70
AR1660CCC500	AR1660CCC500	01/30/2025	22:32	PO109302.D	8.71	3.70
I.BLK	I.BLK	01/30/2025	23:45	PO109306.D	8.71	3.70

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB166293BS

Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab Sample ID: PB166293BS Date(s) Analyzed: 01/29/2025 01/29/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109230.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.795	4.745	4.845	160		
	2	4.815	4.765	4.865	161		
	3	4.871	4.821	4.921	159		
COLUMN 1	4	4.992	4.942	5.042	160		
	5	5.25	5.2	5.3	155	159	
	1	4.781	4.731	4.831	153		
	2	4.801	4.751	4.851	156		
	3	4.977	4.927	5.027	154		
	4	5.019	4.969	5.069	151		
COLUMN 2	5	5.232	5.182	5.282	149	153	3.85
Aroclor-1260	1	6.293	6.243	6.343	162		
	2	6.482	6.432	6.532	160		
	3	6.851	6.801	6.901	140		
COLUMN 1	4	7.112	7.062	7.162	142		
	5	7.353	7.303	7.403	143	149	
	1	6.267	6.217	6.317	156		
	2	6.454	6.404	6.504	153		
	3	6.607	6.557	6.657	154		
	4	7.079	7.029	7.129	135		
COLUMN 2	5	7.32	7.27	7.37	136	147	1.35

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

B-113-SB01MS

Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab Sample ID: Q1194-03MS Date(s) Analyzed: 01/29/2025 01/29/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109234.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.792	4.742	4.842	249		
	2	4.812	4.762	4.862	216		
	3	4.868	4.818	4.918	220		
COLUMN 1	4	4.989	4.939	5.039	228		
	5	5.247	5.197	5.297	201	223	
	1	4.779	4.729	4.829	233		
	2	4.799	4.749	4.849	212		
	3	4.975	4.925	5.025	228		
	4	5.017	4.967	5.067	215		
COLUMN 2	5	5.23	5.18	5.28	198	217	2.73
Aroclor-1260	1	6.29	6.24	6.34	236		
	2	6.478	6.428	6.528	217		
	3	6.848	6.798	6.898	185		
COLUMN 1	4	7.109	7.059	7.159	193		
	5	7.351	7.301	7.401	195	205	
	1	6.265	6.215	6.315	230		
	2	6.452	6.402	6.502	219		
	3	6.605	6.555	6.655	215		
	4	7.077	7.027	7.127	185		
COLUMN 2	5	7.318	7.268	7.368	189	207	0.97

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

B-113-SB01MSD

Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab Sample ID: Q1194-03MSD Date(s) Analyzed: 01/29/2025 01/29/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109235.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.792	4.742	4.842	246		
	2	4.812	4.762	4.862	218		
	3	4.868	4.818	4.918	223		
COLUMN 1	4	4.99	4.94	5.04	225		
	5	5.247	5.197	5.297	201	223	
	1	4.78	4.73	4.83	218		
	2	4.799	4.749	4.849	222		
	3	4.975	4.925	5.025	218		
	4	5.017	4.967	5.067	204		
COLUMN 2	5	5.23	5.18	5.28	199	212	5.06
Aroclor-1260	1	6.29	6.24	6.34	234		
	2	6.478	6.428	6.528	214		
	3	6.848	6.798	6.898	183		
COLUMN 1	4	7.109	7.059	7.159	191		
	5	7.351	7.301	7.401	193	203	
	1	6.265	6.215	6.315	227		
	2	6.452	6.402	6.502	216		
	3	6.605	6.555	6.655	213		
	4	7.078	7.028	7.128	183		
COLUMN 2	5	7.318	7.268	7.368	186	205	0.98

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB166366BS

Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab Sample ID: PB166366BS Date(s) Analyzed: 01/30/2025 01/30/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109299.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.793	4.743	4.843	4.12		
	2	4.813	4.763	4.863	4.12		
	3	4.869	4.819	4.919	4.04		
COLUMN 1	4	4.989	4.939	5.039	4.06		
	5	5.247	5.197	5.297	3.87	4.00	
	1	4.779	4.729	4.829	4.35		
	2	4.799	4.749	4.849	4.49		
	3	4.974	4.924	5.024	4.45		
	4	5.015	4.965	5.065	4.24		
COLUMN 2	5	5.229	5.179	5.279	4.11	4.30	7.23
Aroclor-1260	1	6.289	6.239	6.339	3.73		
	2	6.478	6.428	6.528	3.54		
	3	6.847	6.797	6.897	2.93		
COLUMN 1	4	7.106	7.056	7.156	2.89		
	5	7.348	7.298	7.398	2.99	3.20	
	1	6.263	6.213	6.313	4.02		
	2	6.45	6.4	6.5	3.87		
	3	6.603	6.553	6.653	3.88		
	4	7.075	7.025	7.125	3.29		
COLUMN 2	5	7.316	7.266	7.366	3.38	3.70	14.49

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB166366BSD

Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab Sample ID: PB166366BSD Date(s) Analyzed: 01/30/2025 01/30/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109300.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.793	4.743	4.843	4.36		
	2	4.812	4.762	4.862	4.35		
	3	4.868	4.818	4.918	4.24		
COLUMN 1	4	4.989	4.939	5.039	4.18		
	5	5.246	5.196	5.296	3.87	4.20	
	1	4.779	4.729	4.829	4.68		
	2	4.798	4.748	4.848	4.46		
	3	4.974	4.924	5.024	4.48		
	4	5.016	4.966	5.066	4.32		
COLUMN 2	5	5.229	5.179	5.279	4.26	4.40	4.65
Aroclor-1260	1	6.288	6.238	6.338	4.08		
	2	6.477	6.427	6.527	3.88		
	3	6.845	6.795	6.895	3.03		
COLUMN 1	4	7.105	7.055	7.155	3.06		
	5	7.347	7.297	7.397	3.07	3.40	
	1	6.263	6.213	6.313	4.15		
	2	6.45	6.4	6.5	4.05		
	3	6.603	6.553	6.653	4.01		
	4	7.075	7.025	7.125	3.41		
COLUMN 2	5	7.315	7.265	7.365	3.46	3.80	11.11

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109231.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 13:58
Operator : YP/AJ
Sample : Q1194-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B-110-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 14:32:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.696	195.9E6	133.2E6	25.919	24.852
2)	SA Decachlor...	8.764	8.715	152.8E6	71903283	22.062	20.910
	Target Compounds						

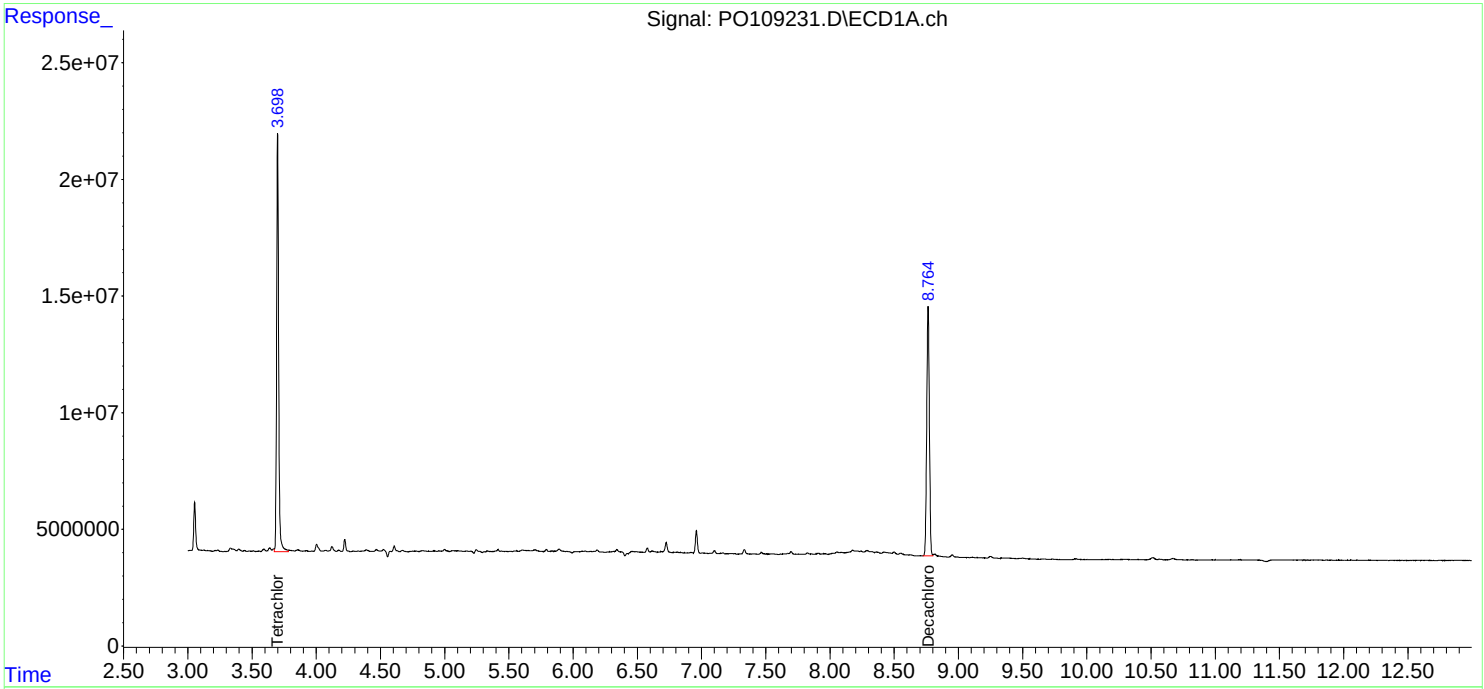
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

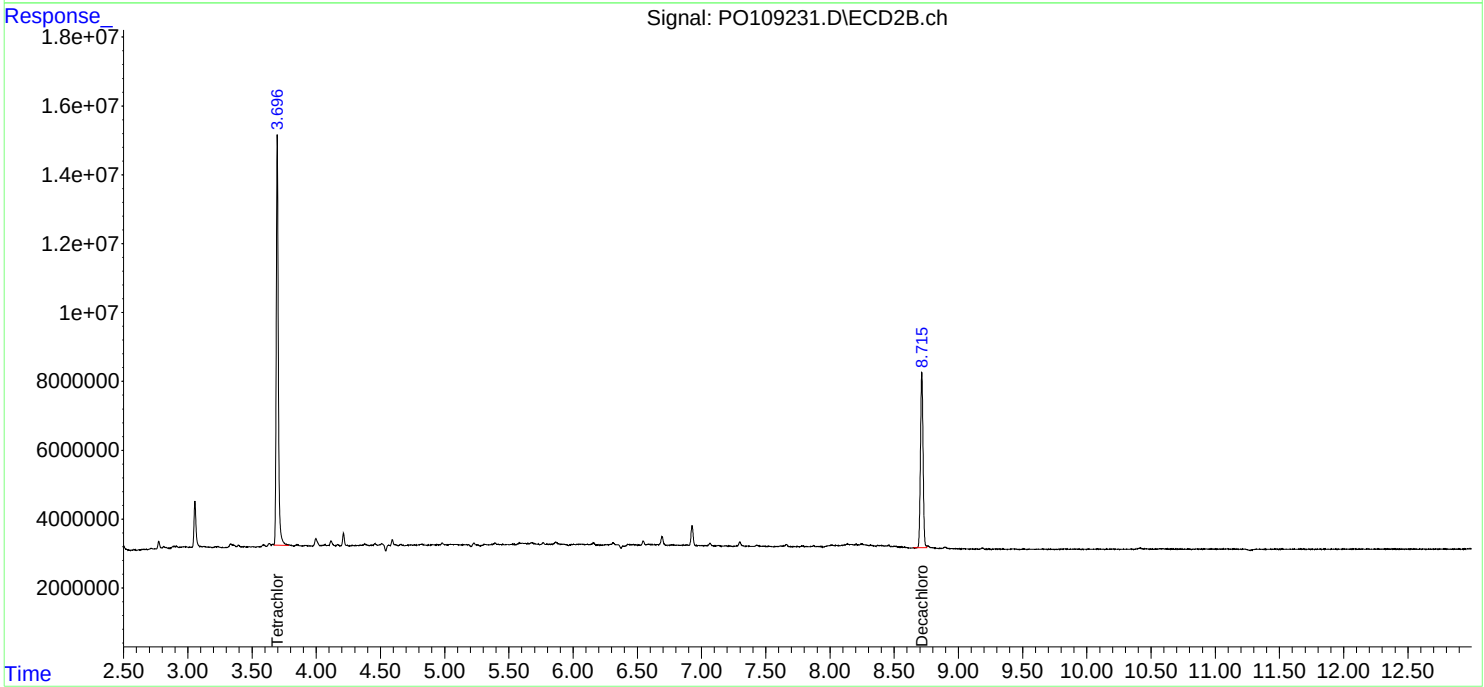
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109231.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 13:58
Operator : YP/AJ
Sample : Q1194-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

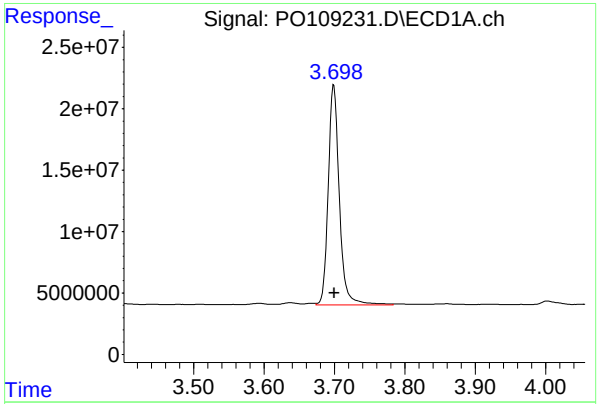
Instrument :
ECD_O
ClientSampleId :
B-110-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 14:32:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



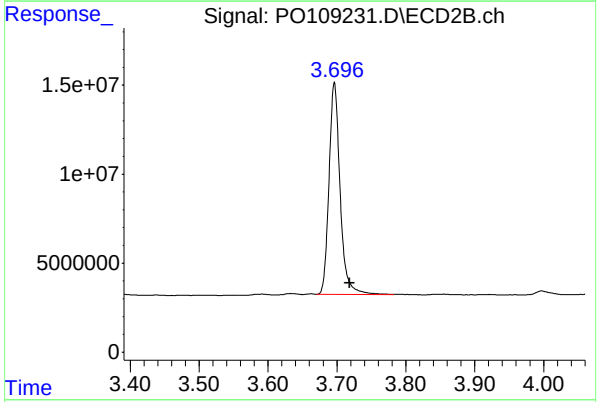




#1 Tetrachloro-m-xylene

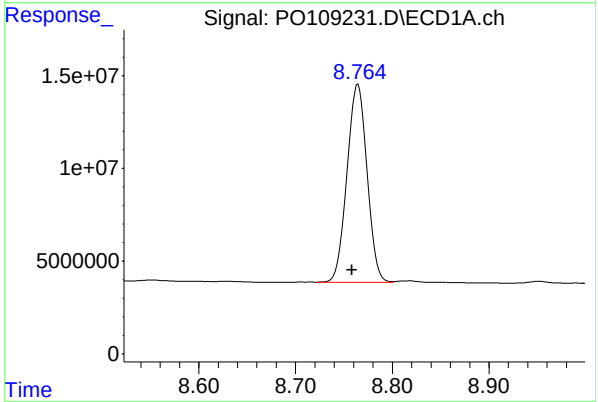
R.T.: 3.699 min
Delta R.T.: -0.001 min
Response: 195857589
Conc: 25.92 ng/ml

Instrument :
ECD_O
ClientSampleId :
B-110-SB01



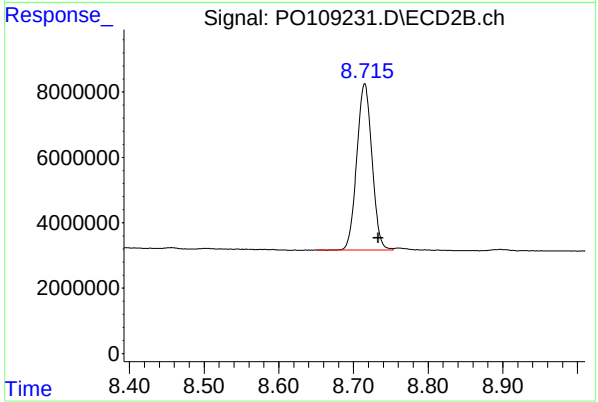
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.022 min
Response: 133215421
Conc: 24.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.764 min
Delta R.T.: 0.006 min
Response: 152842375
Conc: 22.06 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.715 min
Delta R.T.: -0.018 min
Response: 71903283
Conc: 20.91 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109232.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 14:15
Operator : YP/AJ
Sample : Q1194-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B-110-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 14:33:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.697	174.5E6	118.8E6	23.088	22.161
2)	SA Decachlor...	8.763	8.714	89304521	43306285	12.891	12.594
	Target Compounds						

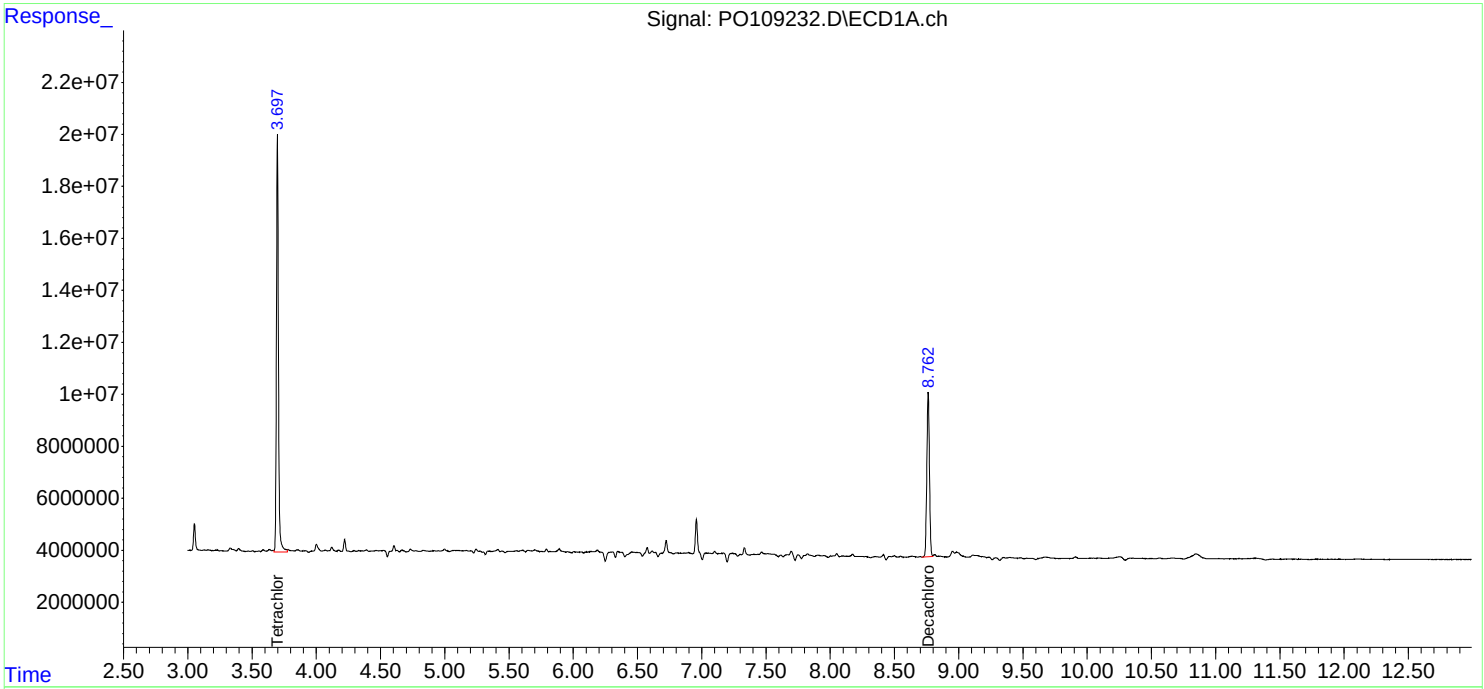
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

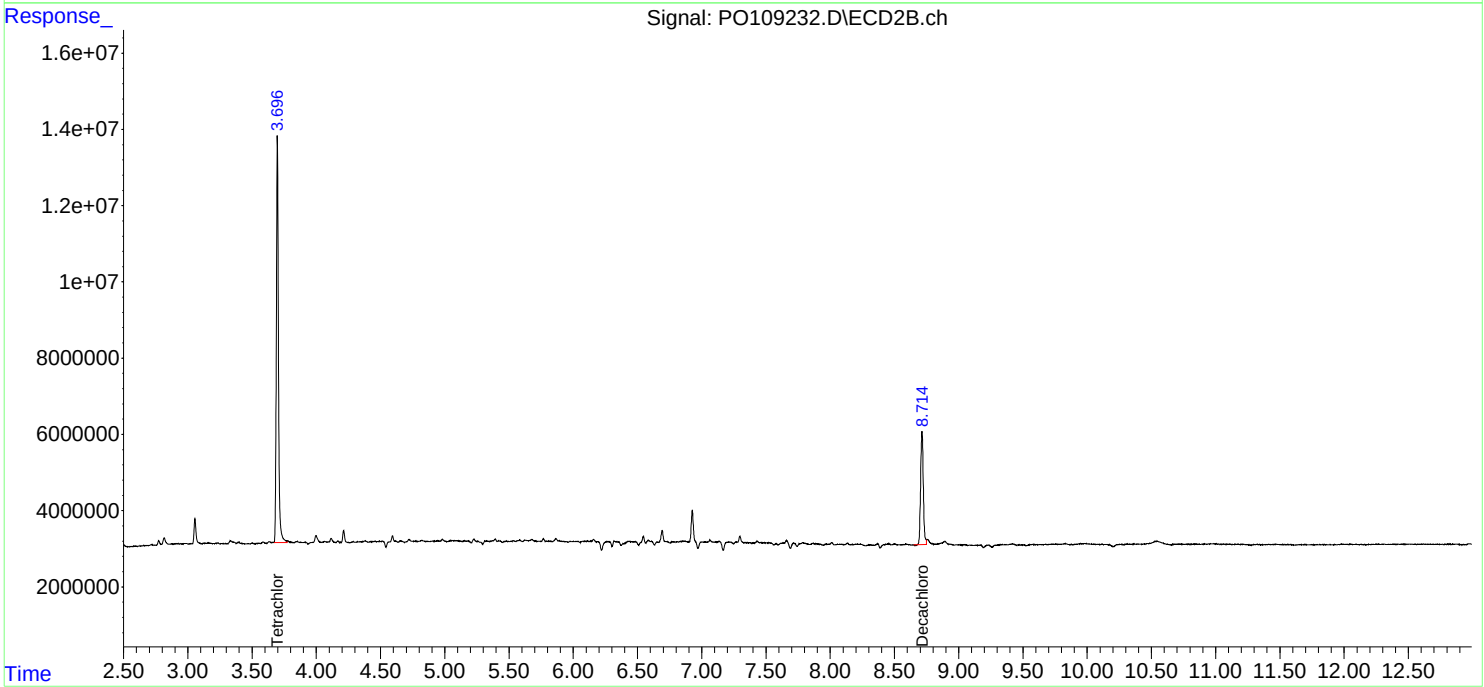
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109232.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 14:15
Operator : YP/AJ
Sample : Q1194-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

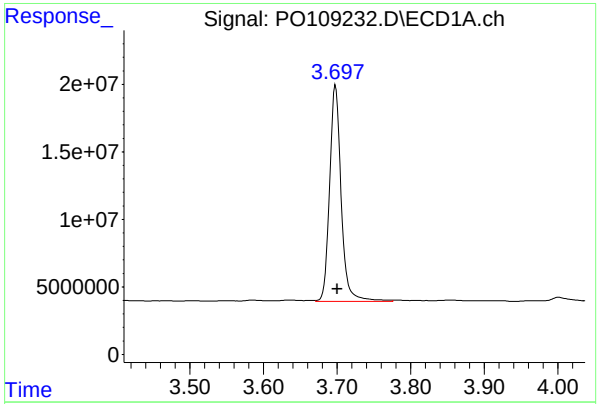
Instrument :
ECD_O
ClientSampleId :
B-110-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 14:33:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



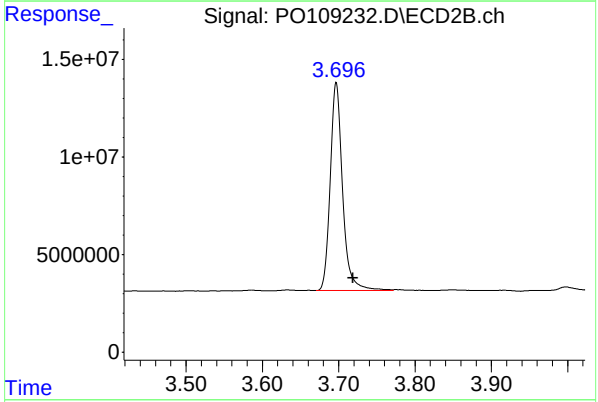




#1 Tetrachloro-m-xylene

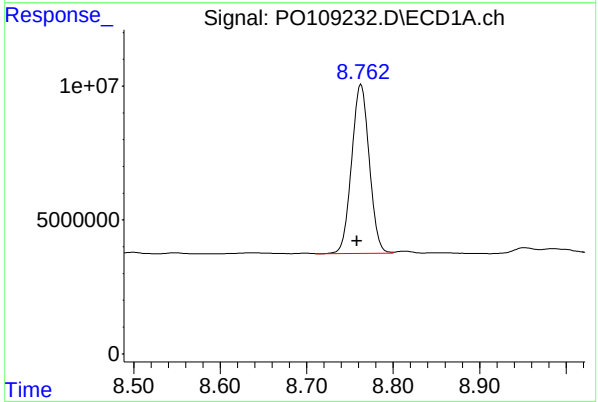
R.T.: 3.698 min
Delta R.T.: -0.002 min
Response: 174464419
Conc: 23.09 ng/ml

Instrument :
ECD_O
ClientSampleId :
B-110-SB02



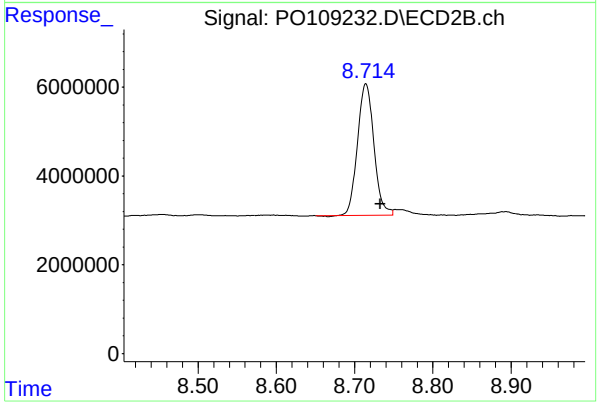
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.022 min
Response: 118791901
Conc: 22.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.763 min
Delta R.T.: 0.005 min
Response: 89304521
Conc: 12.89 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.714 min
Delta R.T.: -0.019 min
Response: 43306285
Conc: 12.59 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 14:34
Operator : YP/AJ
Sample : Q1194-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B-113-SB01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 15:59:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.696	172.3E6	118.3E6	22.802m	22.077m
2)	SA Decachlor...	8.765	8.715	140.9E6	68305162	20.339	19.863m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

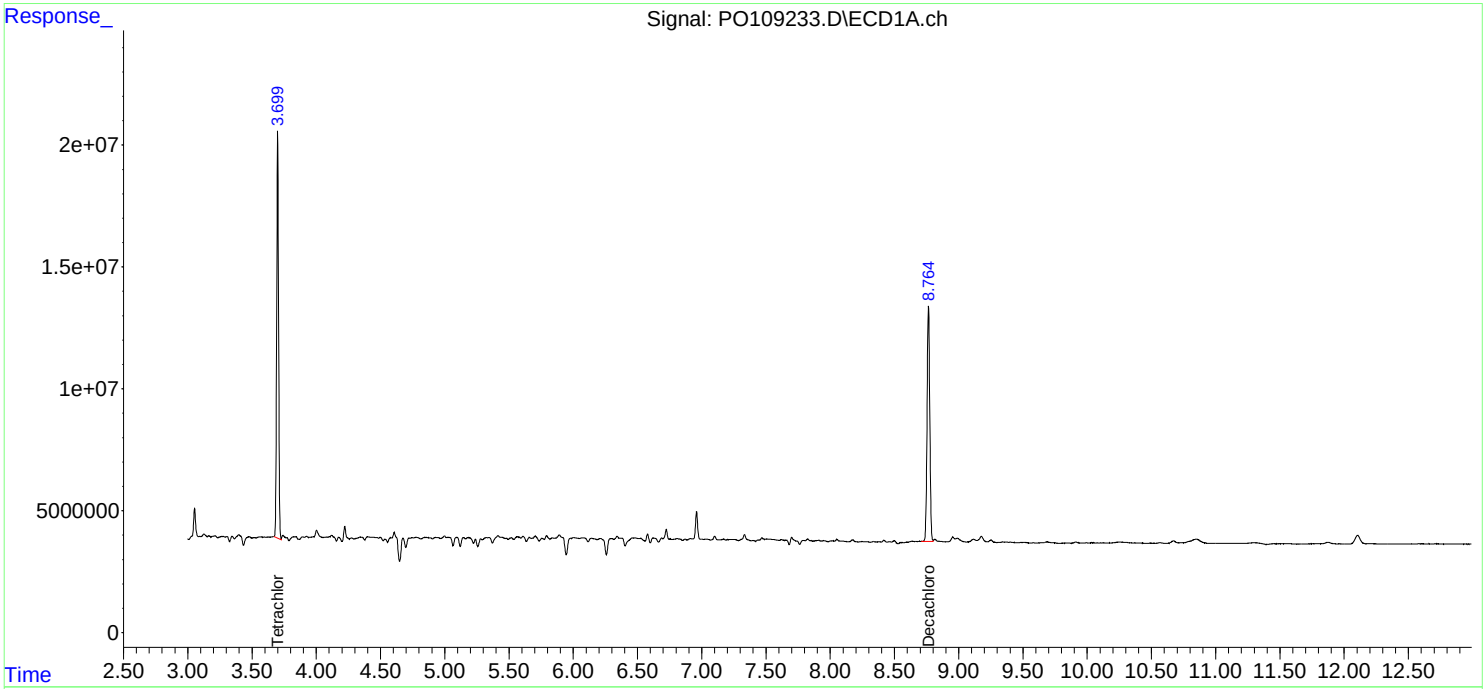
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109233.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 14:34
Operator : YP/AJ
Sample : Q1194-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

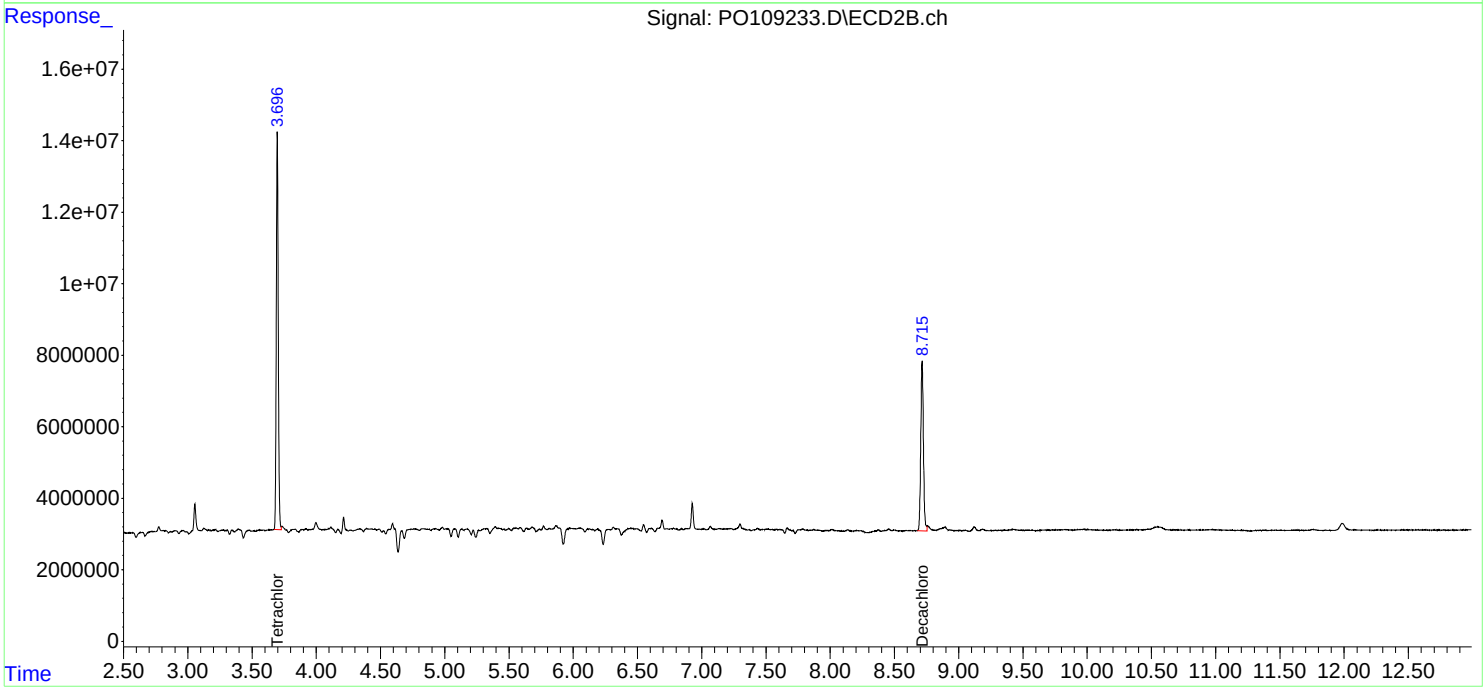
Instrument :
ECD_O
ClientSampleId :
B-113-SB01

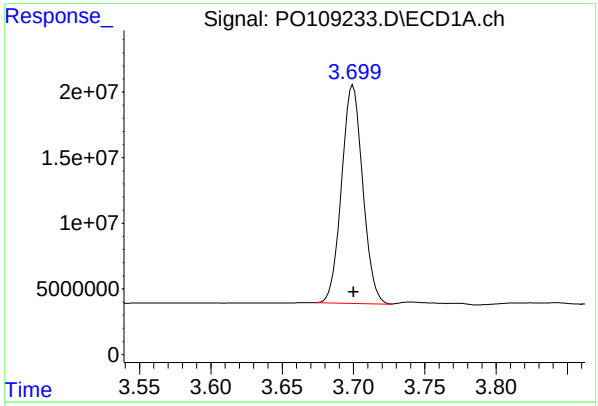
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 15:59:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







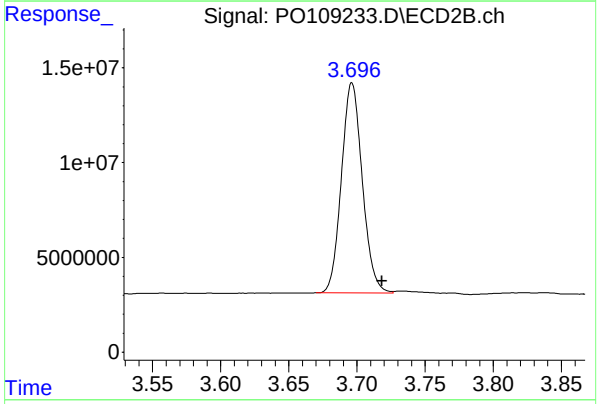
#1 Tetrachloro-m-xylene

R.T.: 3.699 min
Delta R.T.: -0.001 mi
Response: 172303066
Conc: 22.80 ng/m

Instrument :
ECD_O
ClientSampleId :
B-113-SB01

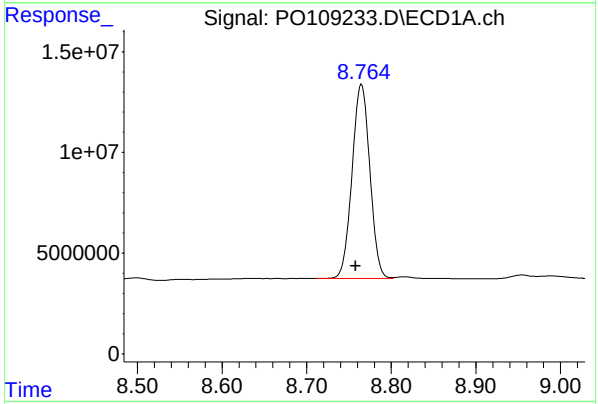
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



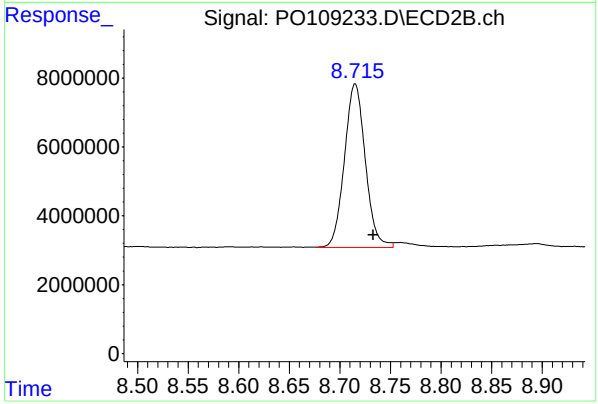
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.023 min
Response: 118338462
Conc: 22.08 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.765 min
Delta R.T.: 0.007 min
Response: 140905402
Conc: 20.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.715 min
Delta R.T.: -0.018 min
Response: 68305162
Conc: 19.86 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 15:27
Operator : YP/AJ
Sample : Q1194-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 16:02:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_O
ClientSampleId :
B-113-SB02

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.696	185.7E6	128.6E6	24.581	23.989
2)	SA Decachlor...	8.762	8.713	132.5E6	64615431	19.132	18.790m
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

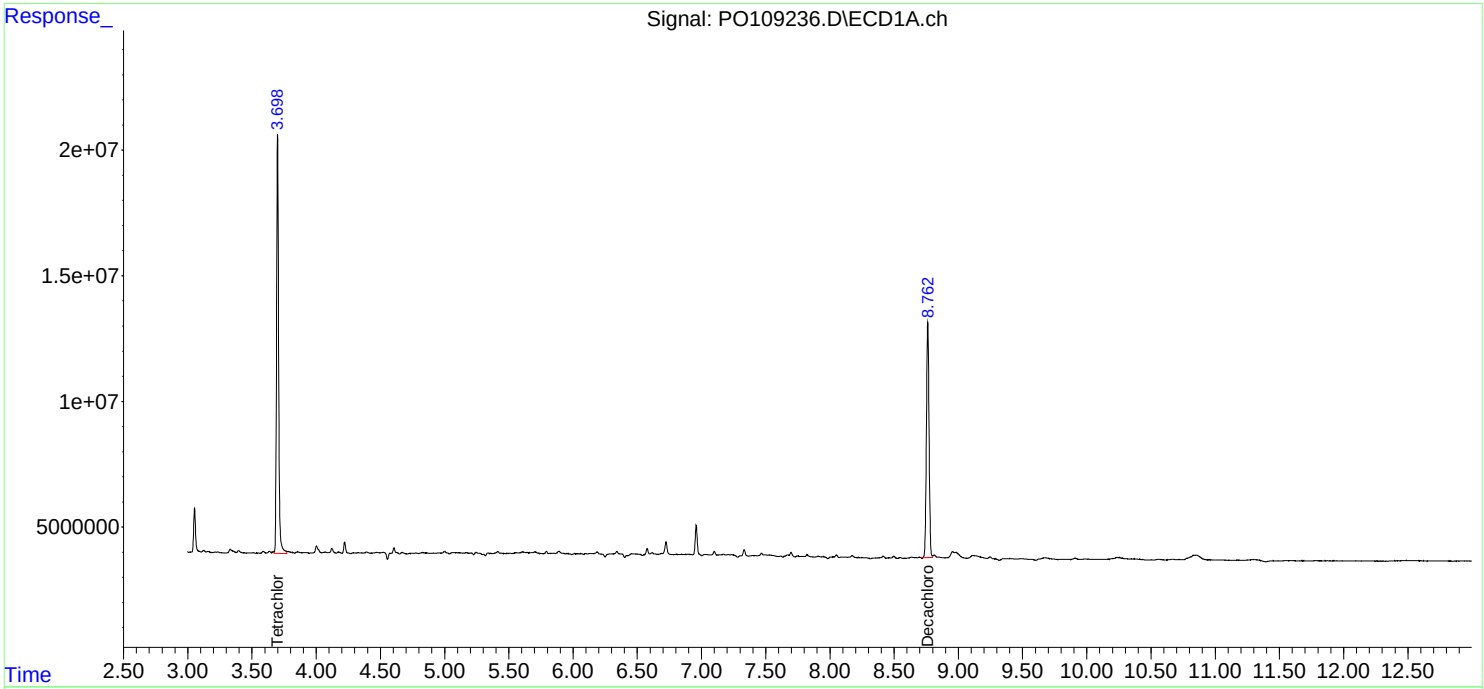
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 15:27
Operator : YP/AJ
Sample : Q1194-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

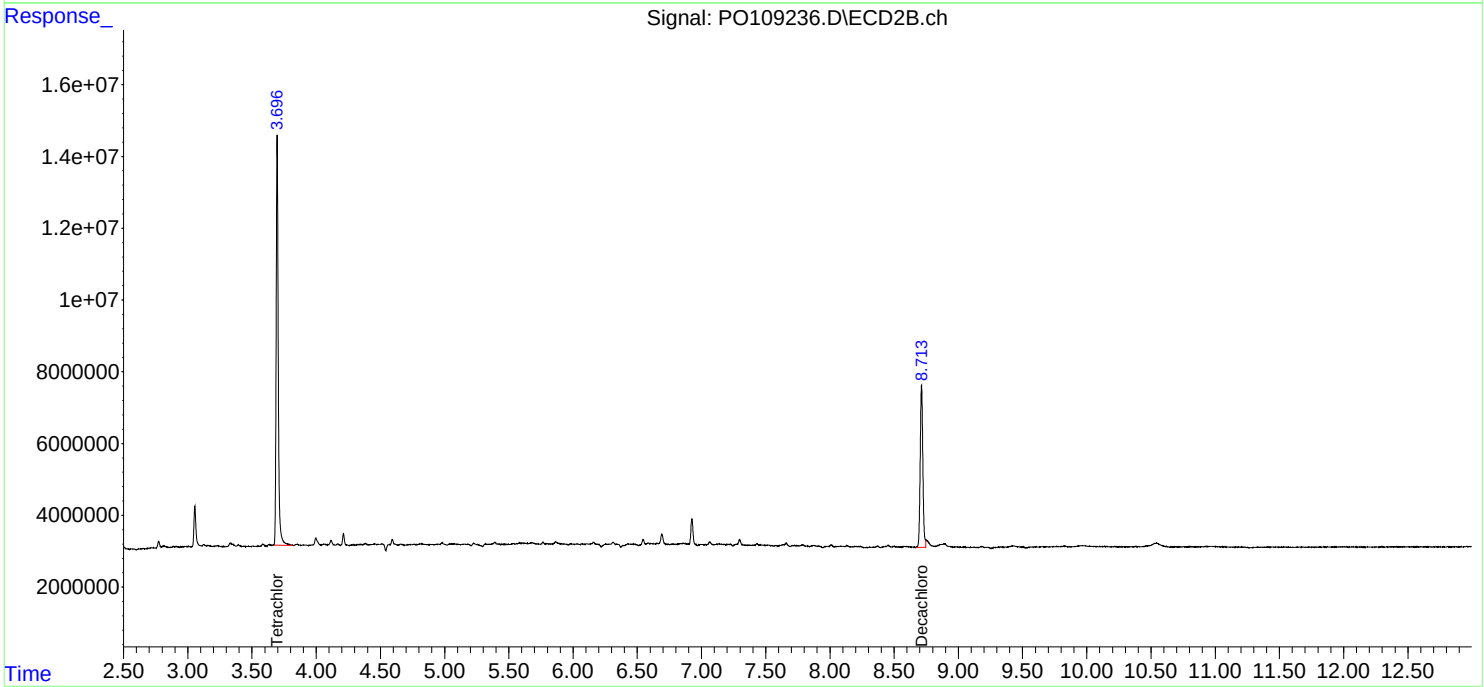
Instrument :
ECD_O
ClientSampleId :
B-113-SB02

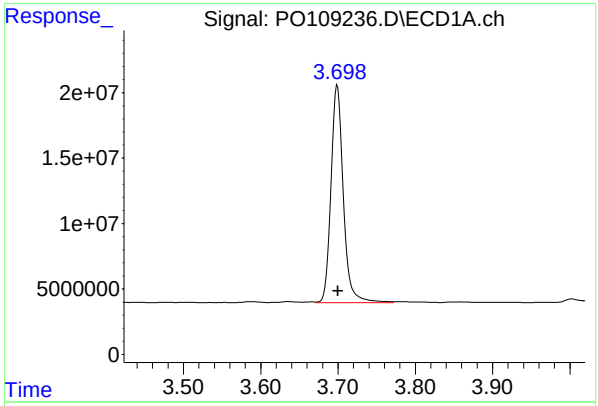
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 16:02:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







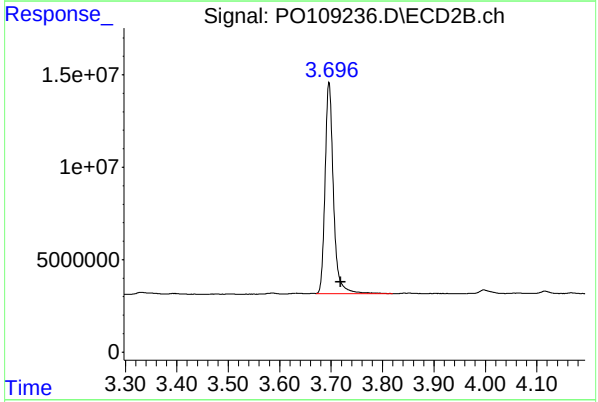
#1 Tetrachloro-m-xylene

R.T.: 3.699 min
Delta R.T.: 0.000 mi
Response: 185741953
Conc: 24.58 ng/m

Instrument :
ECD_O
ClientSampleId :
B-113-SB02

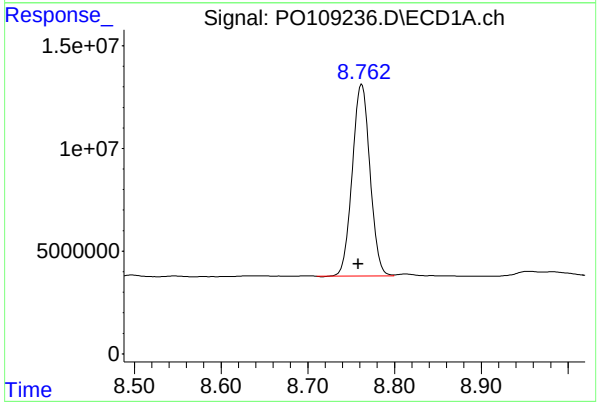
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025



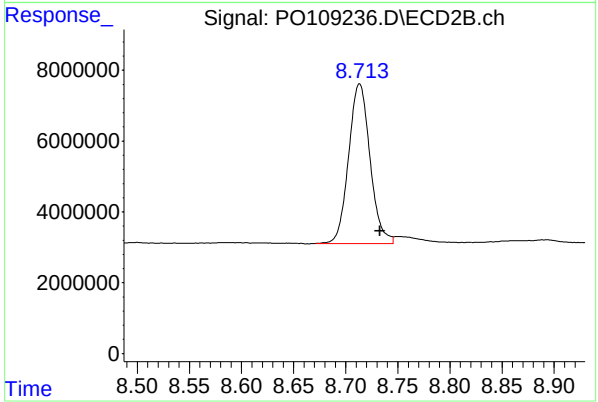
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.022 min
Response: 128589108
Conc: 23.99 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.762 min
Delta R.T.: 0.004 min
Response: 132543043
Conc: 19.13 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.713 min
Delta R.T.: -0.020 min
Response: 64615431
Conc: 18.79 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013025\
Data File : PO109301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 21:45
Operator : YP/AJ
Sample : Q1194-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
EB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 02:02:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.700	3.697	162.4E6	116.9E6	21.485	21.806
2)	SA Decachlor...	8.757	8.708	63657578	34865649	9.189	10.139
	Target Compounds						

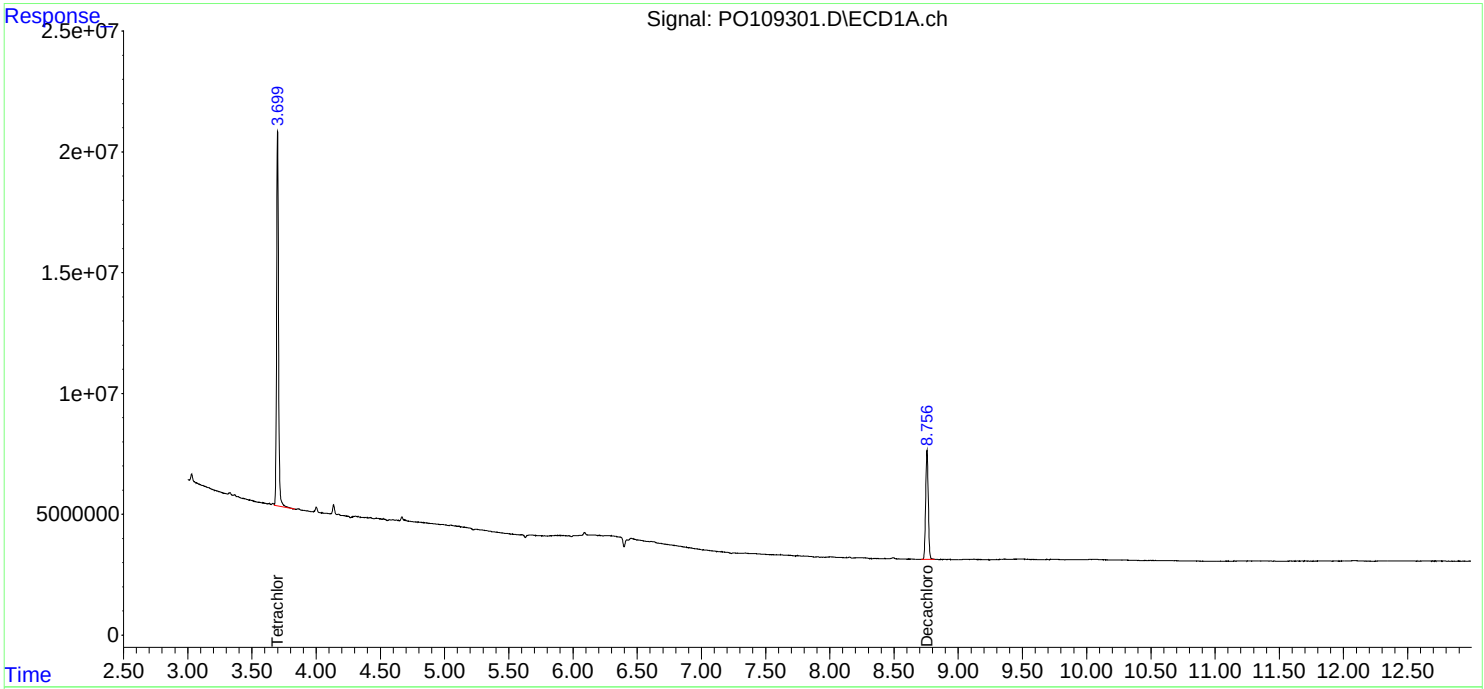
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

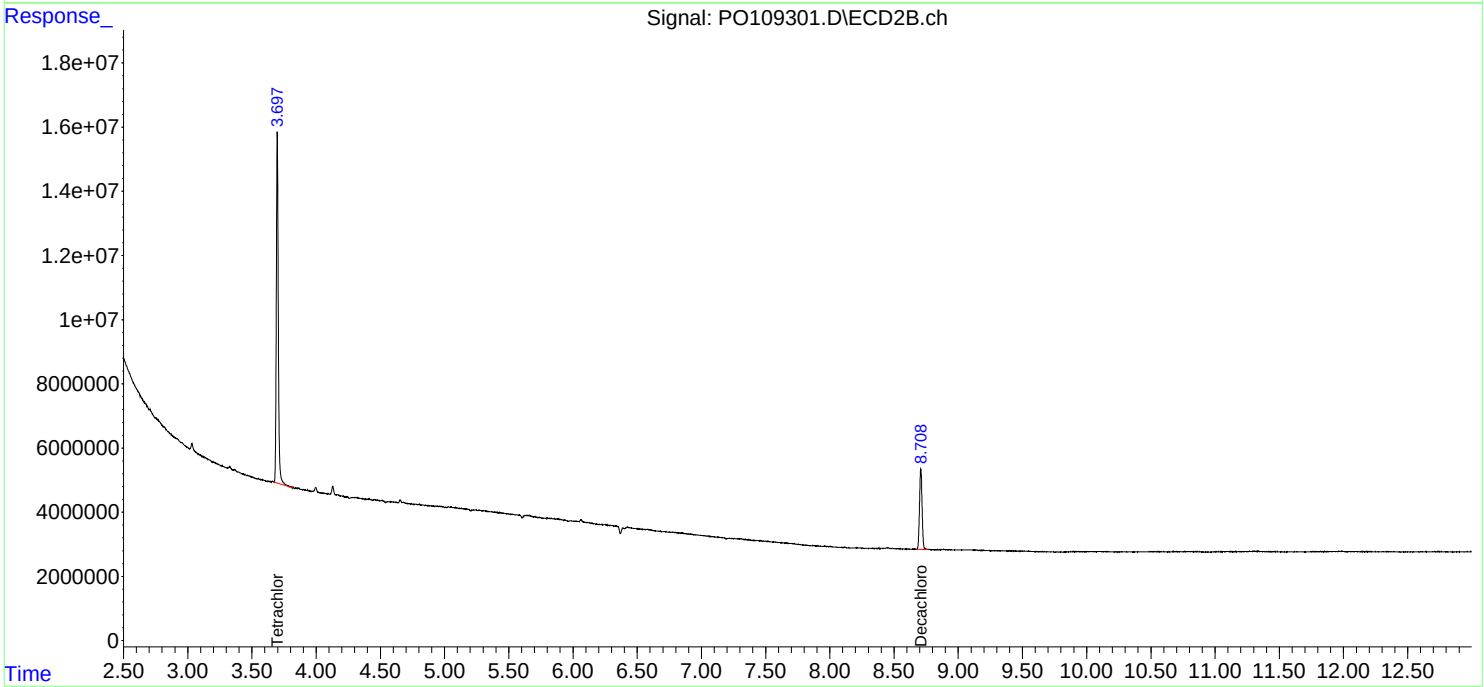
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013025\
Data File : PO109301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 21:45
Operator : YP/AJ
Sample : Q1194-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

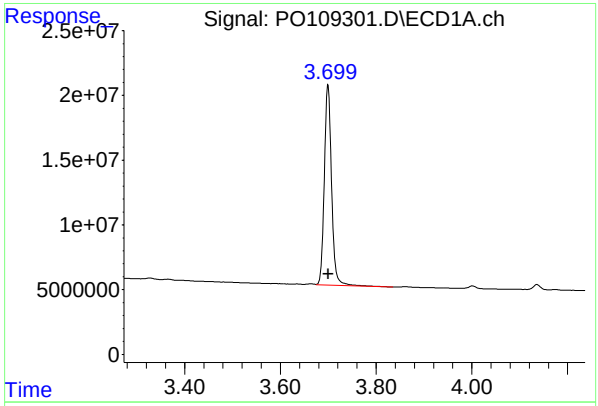
Instrument :
ECD_O
ClientSampleId :
EB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 02:02:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



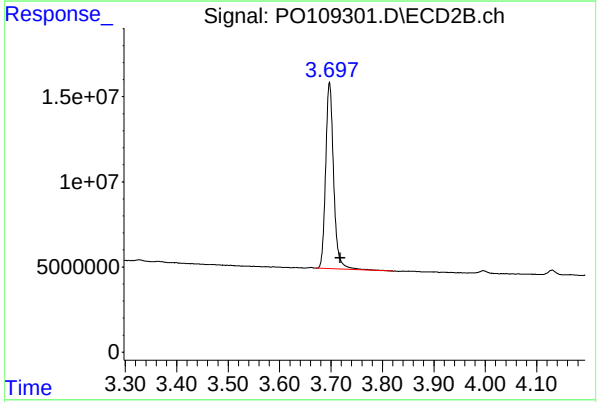




#1 Tetrachloro-m-xylene

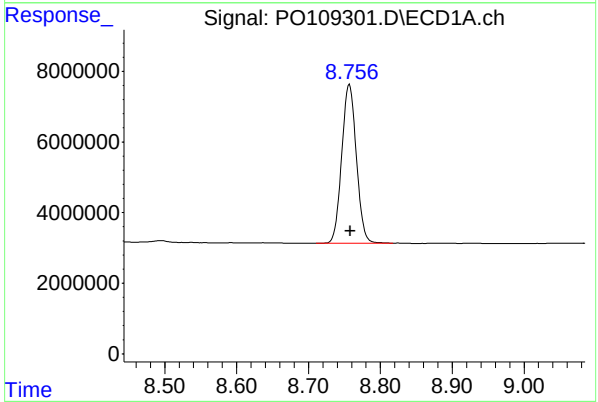
R.T.: 3.700 min
Delta R.T.: 0.000 min
Response: 162350182
Conc: 21.49 ng/ml

Instrument :
ECD_O
ClientSampleId :
EB



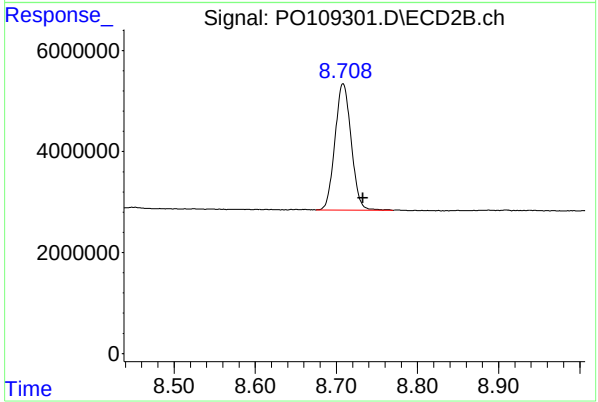
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.021 min
Response: 116885242
Conc: 21.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: -0.001 min
Response: 63657578
Conc: 9.19 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.708 min
Delta R.T.: -0.025 min
Response: 34865649
Conc: 10.14 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109229.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 13:21
Operator : YP/AJ
Sample : PB166293BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB166293BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 14:31:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.697	186.3E6	126.4E6	24.657	23.588
2)	SA Decachlor...	8.763	8.715	172.2E6	80852605	24.852	23.512
	Target Compounds						

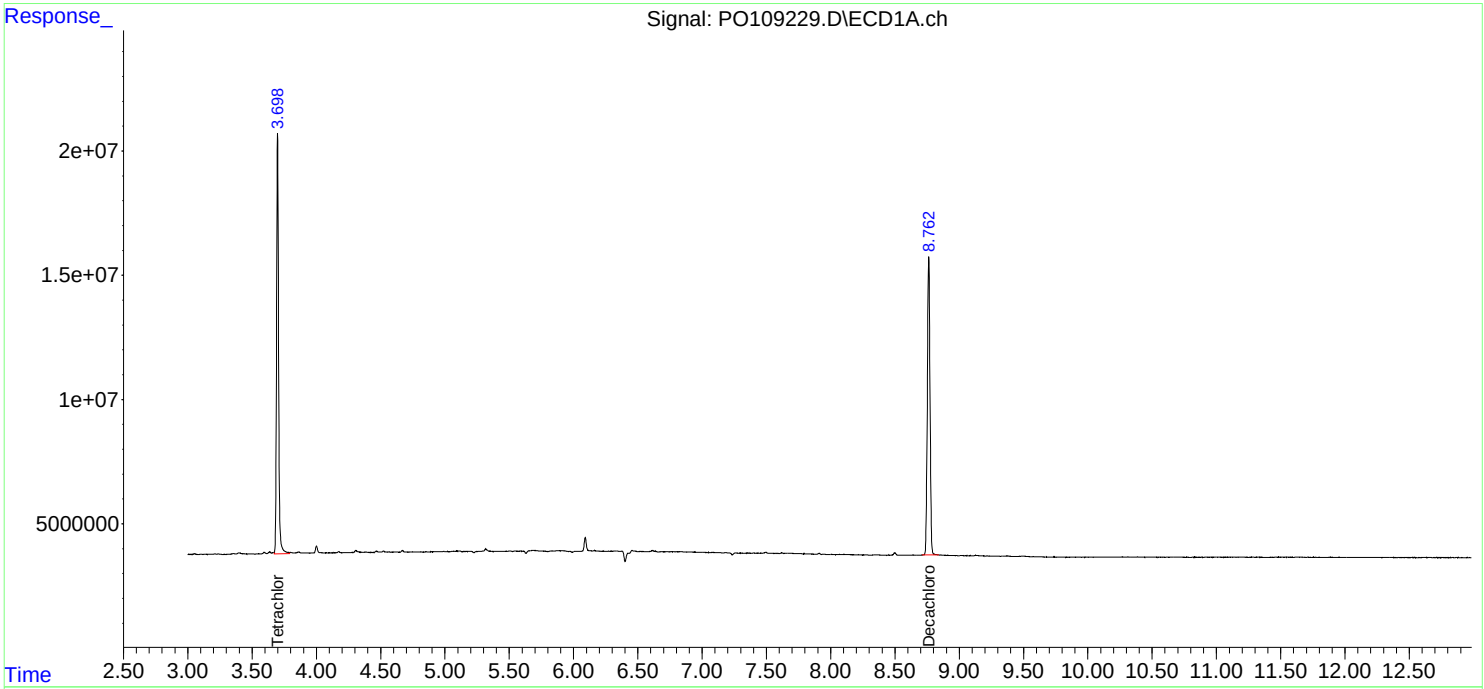
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

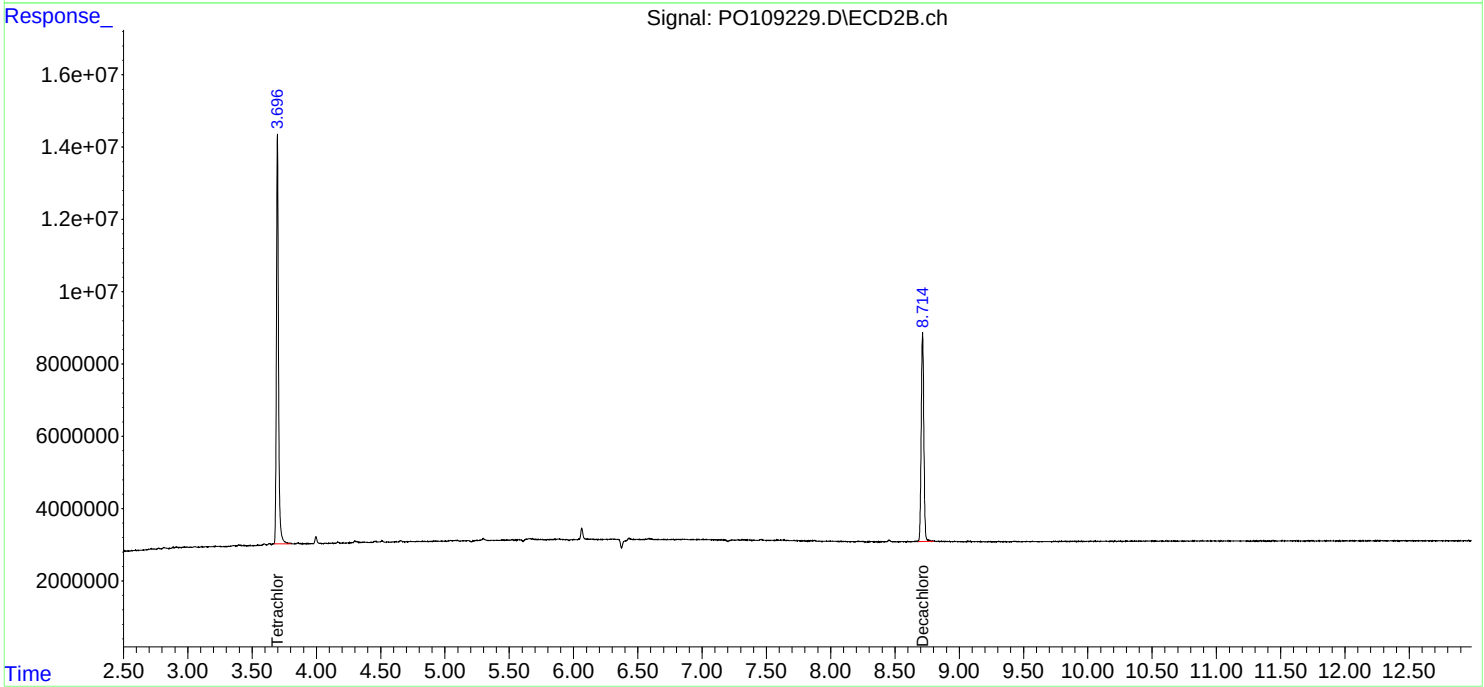
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109229.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 13:21
Operator : YP/AJ
Sample : PB166293BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

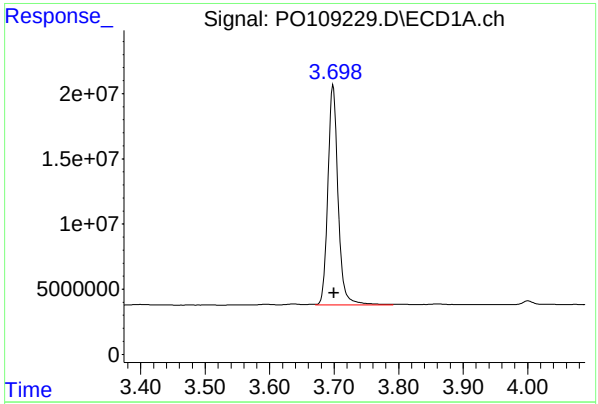
Instrument :
ECD_O
ClientSampleId :
PB166293BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 14:31:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



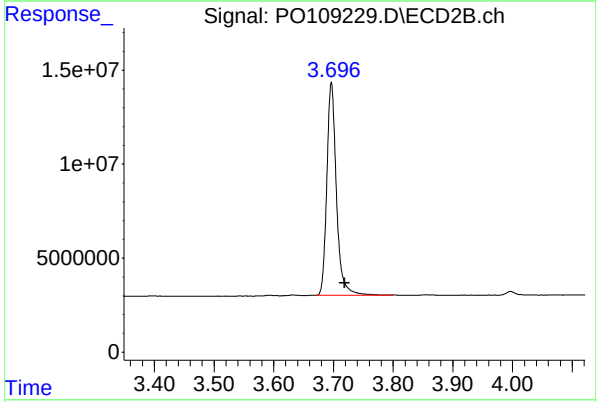




#1 Tetrachloro-m-xylene

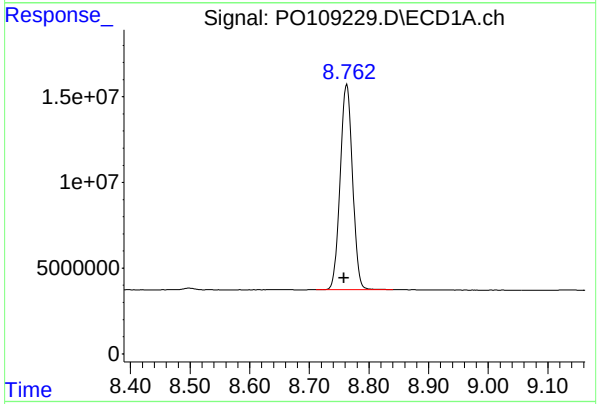
R.T.: 3.698 min
Delta R.T.: -0.002 min
Response: 186320309
Conc: 24.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB166293BL



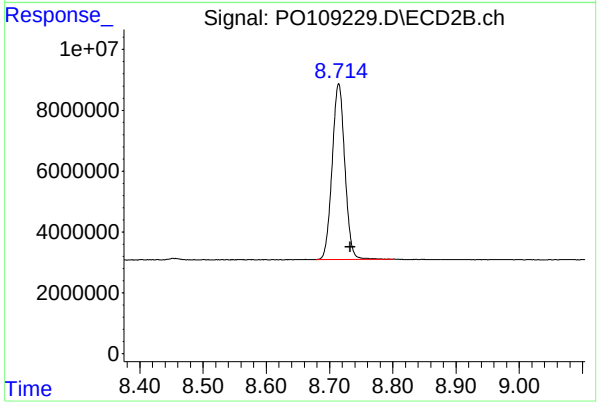
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.022 min
Response: 126437619
Conc: 23.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.763 min
Delta R.T.: 0.005 min
Response: 172165348
Conc: 24.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.715 min
Delta R.T.: -0.019 min
Response: 80852605
Conc: 23.51 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013025\
Data File : PO109298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 20:50
Operator : YP/AJ
Sample : PB166366BL
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB166366BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 02:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.696	163.9E6	117.7E6	21.688	21.954
2)	SA Decachlor...	8.756	8.708	107.7E6	61604985	15.547	17.915
	Target Compounds						

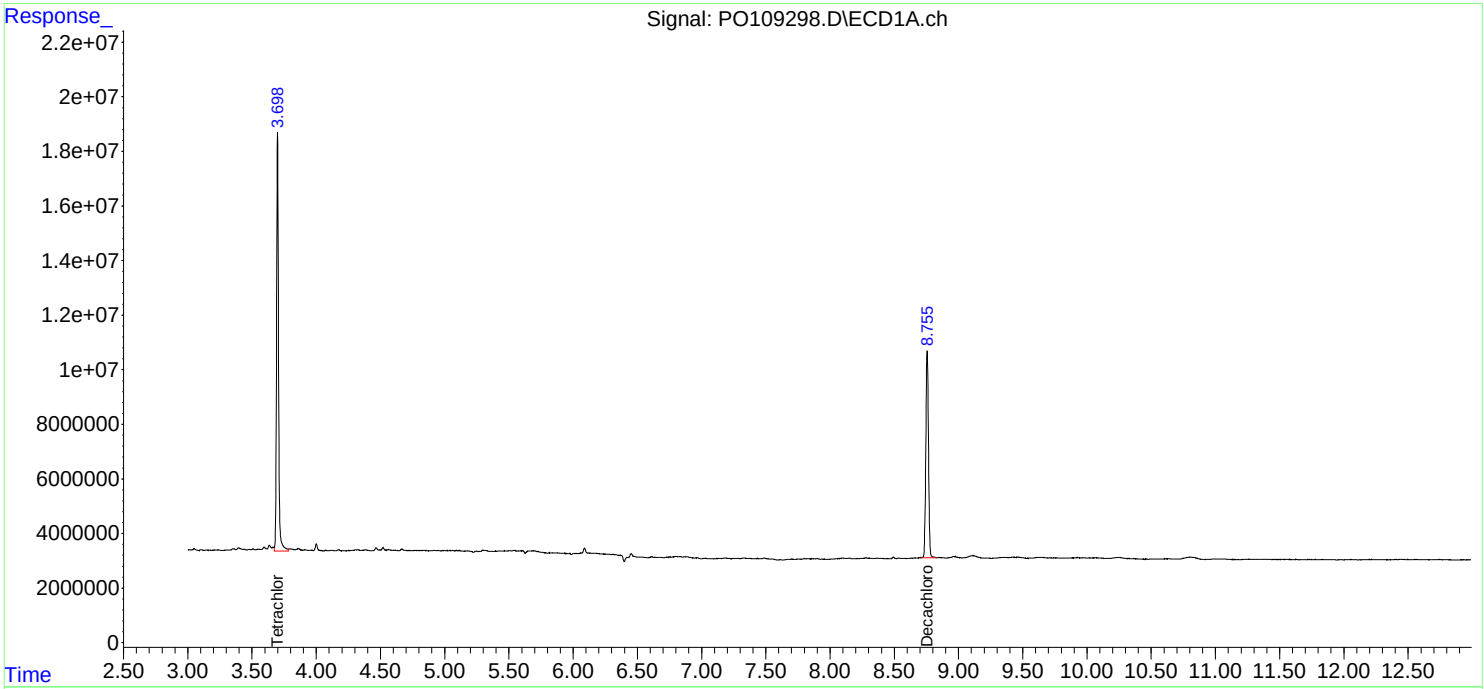
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

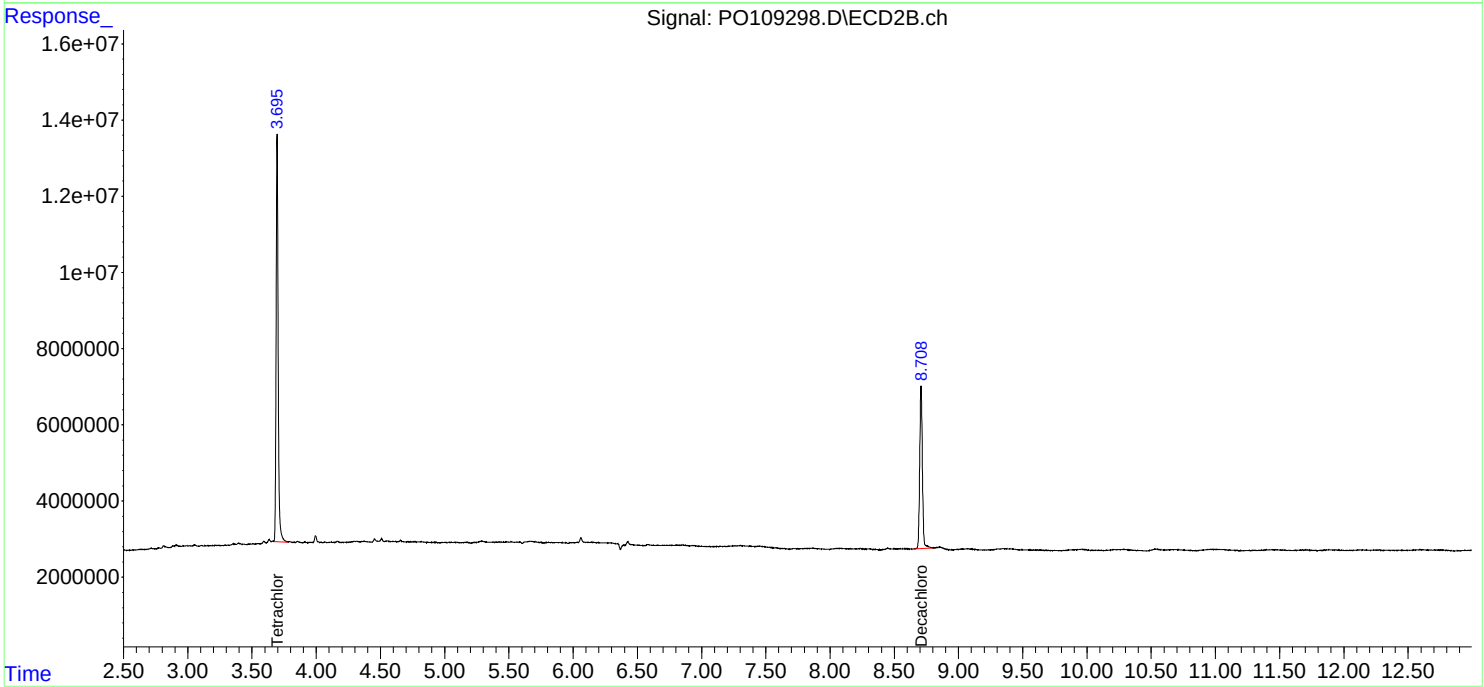
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013025\
Data File : PO109298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 20:50
Operator : YP/AJ
Sample : PB166366BL
Misc :
ALS Vial : 22 Sample Multiplier: 1

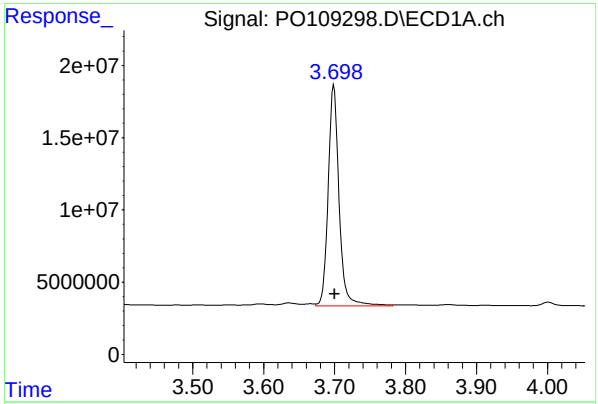
Instrument :
ECD_O
ClientSampleId :
PB166366BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 02:01:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



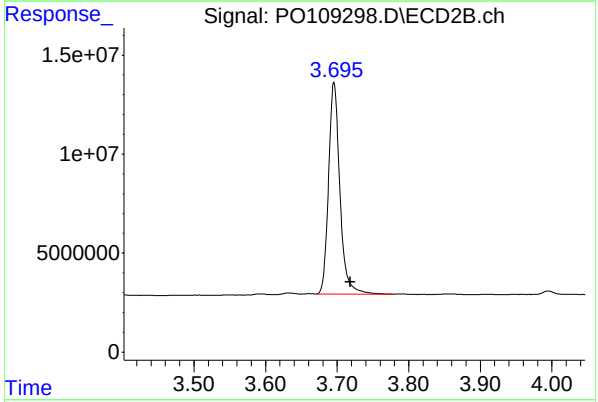




#1 Tetrachloro-m-xylene

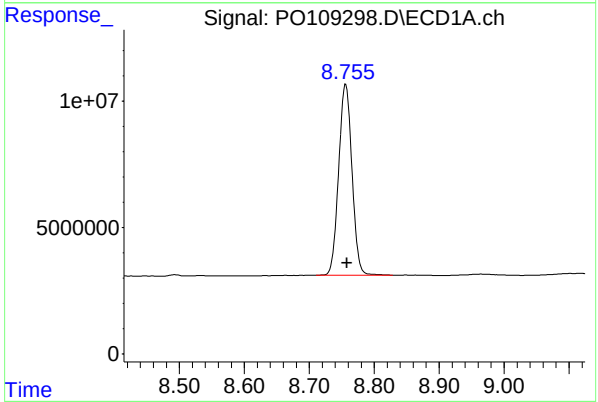
R.T.: 3.699 min
Delta R.T.: -0.001 min
Response: 163885747
Conc: 21.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB166366BL



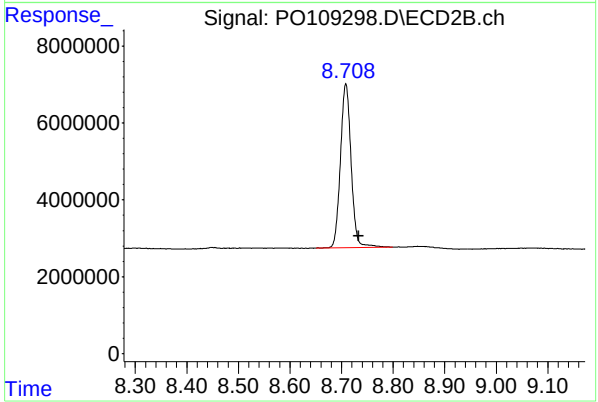
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.023 min
Response: 117681536
Conc: 21.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.756 min
Delta R.T.: -0.002 min
Response: 107703981
Conc: 15.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.708 min
Delta R.T.: -0.025 min
Response: 61604985
Conc: 17.91 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109230.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 13:40
Operator : YP/AJ
Sample : PB166293BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB166293BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 14:31:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.700	3.696	175.3E6	119.2E6	23.197	22.235m
2) SA	Decachlor...	8.765	8.714	170.2E6	79608229	24.564	23.150
	Target Compounds						
3) L1	AR-1016-1	4.795	4.781	121.0E6	74409287	479.645	459.549m
4) L1	AR-1016-2	4.815	4.801	166.4E6	111.3E6	482.412	467.233m
5) L1	AR-1016-3	4.871	4.977	116.6E6	60384131	477.691	463.147m
6) L1	AR-1016-4	4.992	5.019	91623959	49946569	480.136	451.929
7) L1	AR-1016-5	5.250	5.232	96864072	64387871	463.994	448.562m
31) L7	AR-1260-1	6.293	6.267	185.7E6	118.4E6	487.299	469.782
32) L7	AR-1260-2	6.482	6.454	225.4E6	138.5E6	480.014	460.493
33) L7	AR-1260-3	6.851	6.607	164.3E6	128.9E6	419.606	463.180
34) L7	AR-1260-4	7.112	7.079	152.3E6	91608701	425.477	405.975m
35) L7	AR-1260-5	7.353	7.320	357.6E6	203.7E6	428.470	406.893

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109230.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 13:40
Operator : YP/AJ
Sample : PB166293BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

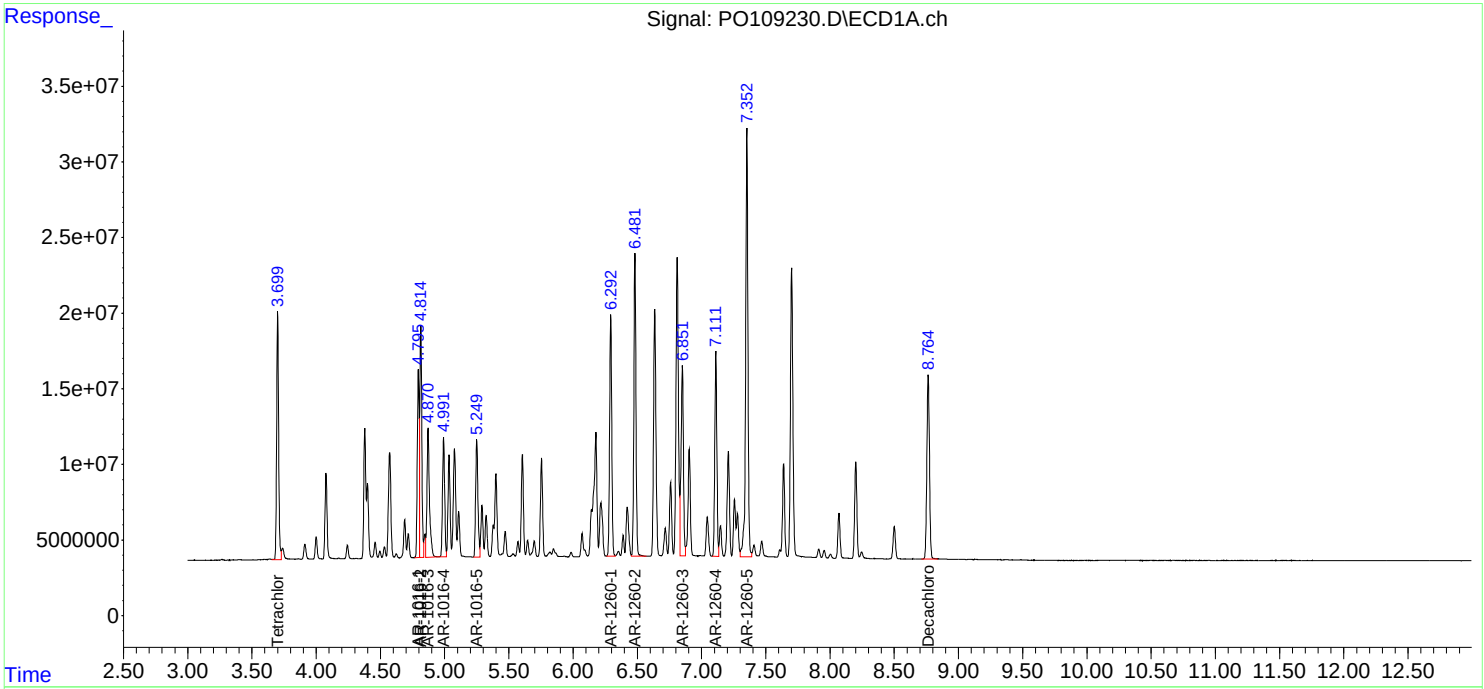
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 14:31:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

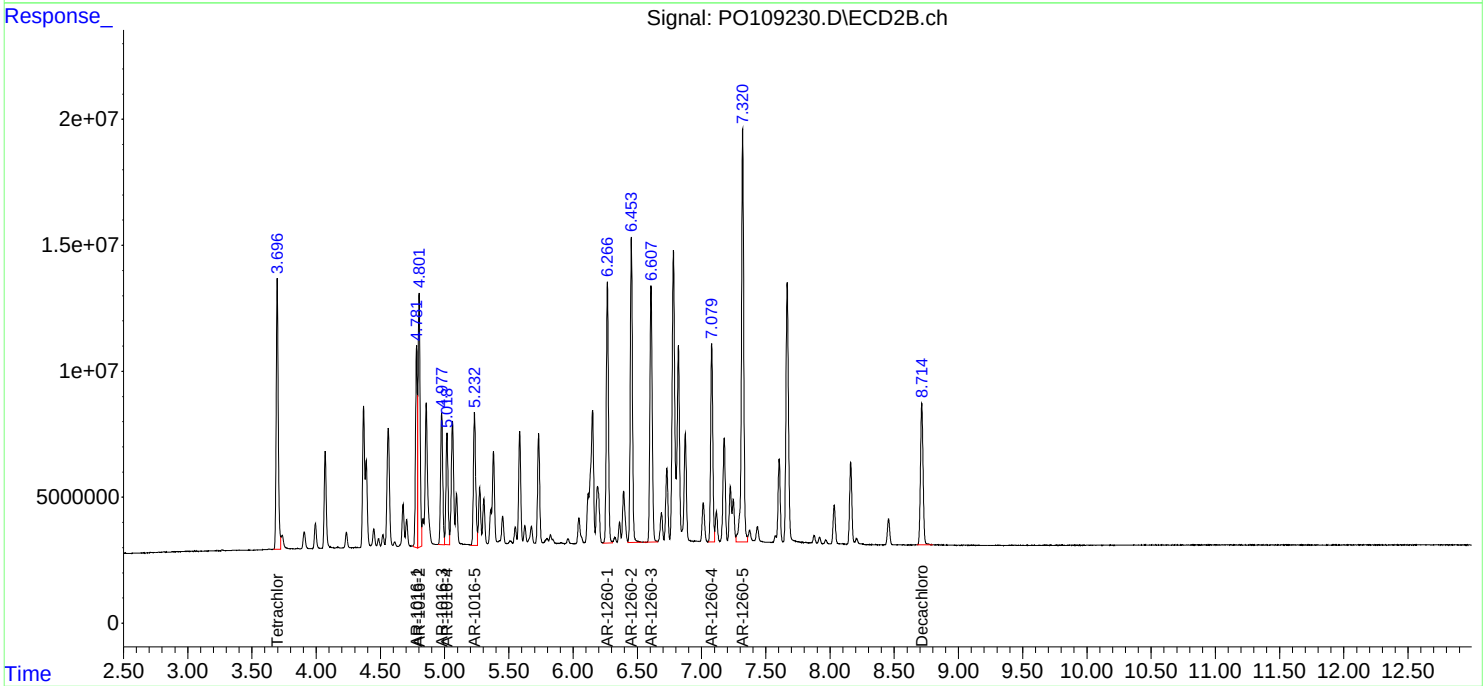
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_O
ClientSampleId :
PB166293BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013025\
Data File : PO109299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 21:09
Operator : YP/AJ
Sample : PB166366BS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB166366BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 02:01:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.698	3.695	159.0E6	114.8E6	21.044	21.410m
2)	SA Decachlor...	8.756	8.708	112.9E6	61726596	16.302	17.950m
	Target Compounds						
3)	L1 AR-1016-1	4.793	4.779	104.0E6	70416738	412.372	434.891m
4)	L1 AR-1016-2	4.813	4.799	141.9E6	107.0E6	411.522	449.040m
5)	L1 AR-1016-3	4.869	4.974	98607882	58061239	403.938	445.331m
6)	L1 AR-1016-4	4.989	5.015	77426246	46906111	405.736	424.418m
7)	L1 AR-1016-5	5.247	5.229	80793268	58971266	387.012	410.827m
31)	L7 AR-1260-1	6.289	6.263	142.0E6	101.2E6	372.523	401.696
32)	L7 AR-1260-2	6.478	6.450	166.3E6	116.4E6	354.178	386.871
33)	L7 AR-1260-3	6.847	6.603	114.6E6	108.0E6	292.739	387.998 #
34)	L7 AR-1260-4	7.106	7.075	103.5E6	74312863	289.010	329.326m
35)	L7 AR-1260-5	7.348	7.316	249.1E6	169.5E6	298.521	338.457

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

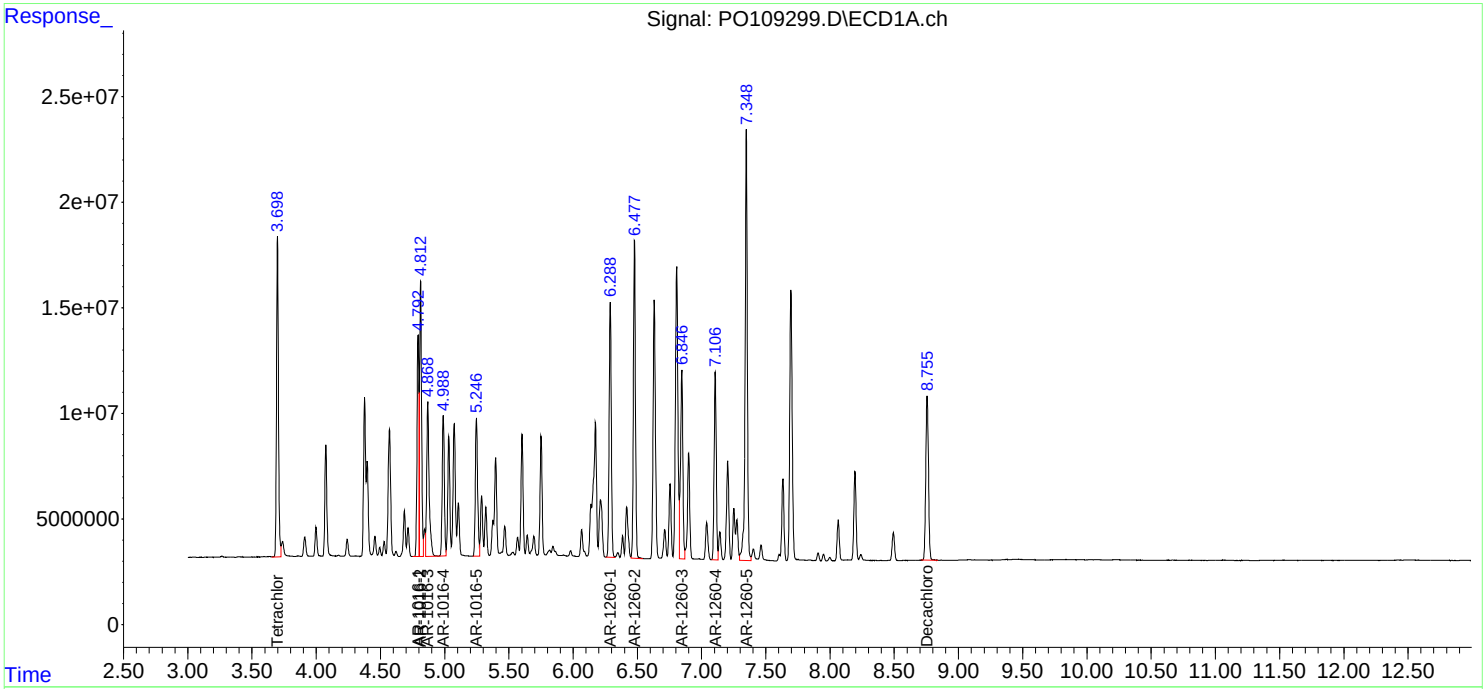
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013025\
Data File : PO109299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 21:09
Operator : YP/AJ
Sample : PB166366BS
Misc :
ALS Vial : 23 Sample Multiplier: 1

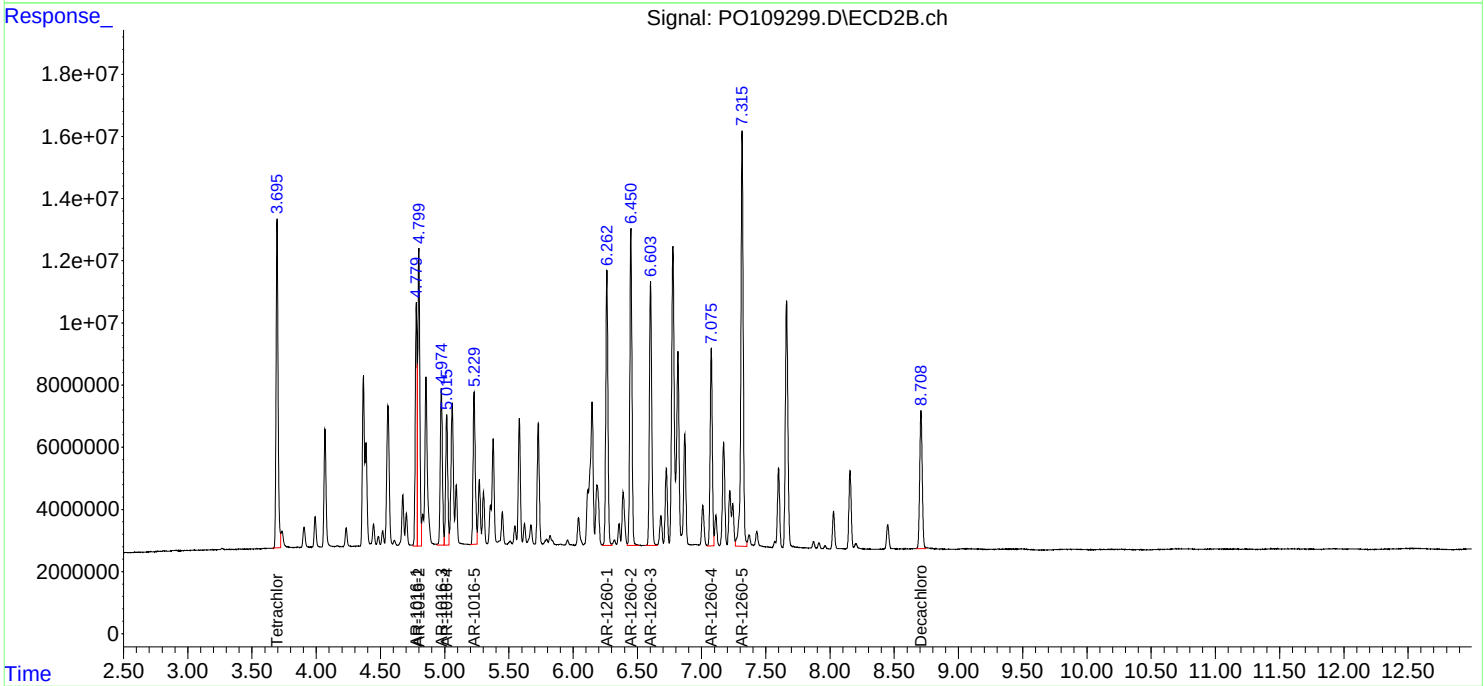
Instrument :
ECD_O
ClientSampleId :
PB166366BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 02:01:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013025\
Data File : PO109300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 21:27
Operator : YP/AJ
Sample : PB166366BSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB166366BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 02:01:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.699	3.695	161.6E6	116.6E6	21.380	21.762m
2)	SA Decachlor...	8.755	8.707	114.7E6	62273480	16.556	18.109m
	Target Compounds						
3)	L1 AR-1016-1	4.793	4.779	110.1E6	75703388	436.329	467.542m
4)	L1 AR-1016-2	4.812	4.798	150.1E6	106.2E6	435.088	445.768m
5)	L1 AR-1016-3	4.868	4.974	103.6E6	58355103	424.469	447.585m
6)	L1 AR-1016-4	4.989	5.016	79851554	47742913	418.445	431.990m
7)	L1 AR-1016-5	5.246	5.229	80742232	61134967	386.768	425.900m
31)	L7 AR-1260-1	6.288	6.263	155.4E6	104.7E6	407.744	415.480
32)	L7 AR-1260-2	6.477	6.450	182.1E6	121.8E6	387.781	404.994
33)	L7 AR-1260-3	6.845	6.603	118.6E6	111.7E6	302.975	401.234 #
34)	L7 AR-1260-4	7.105	7.075	109.7E6	77010057	306.490	341.279m
35)	L7 AR-1260-5	7.347	7.315	256.2E6	173.1E6	307.006	345.723

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

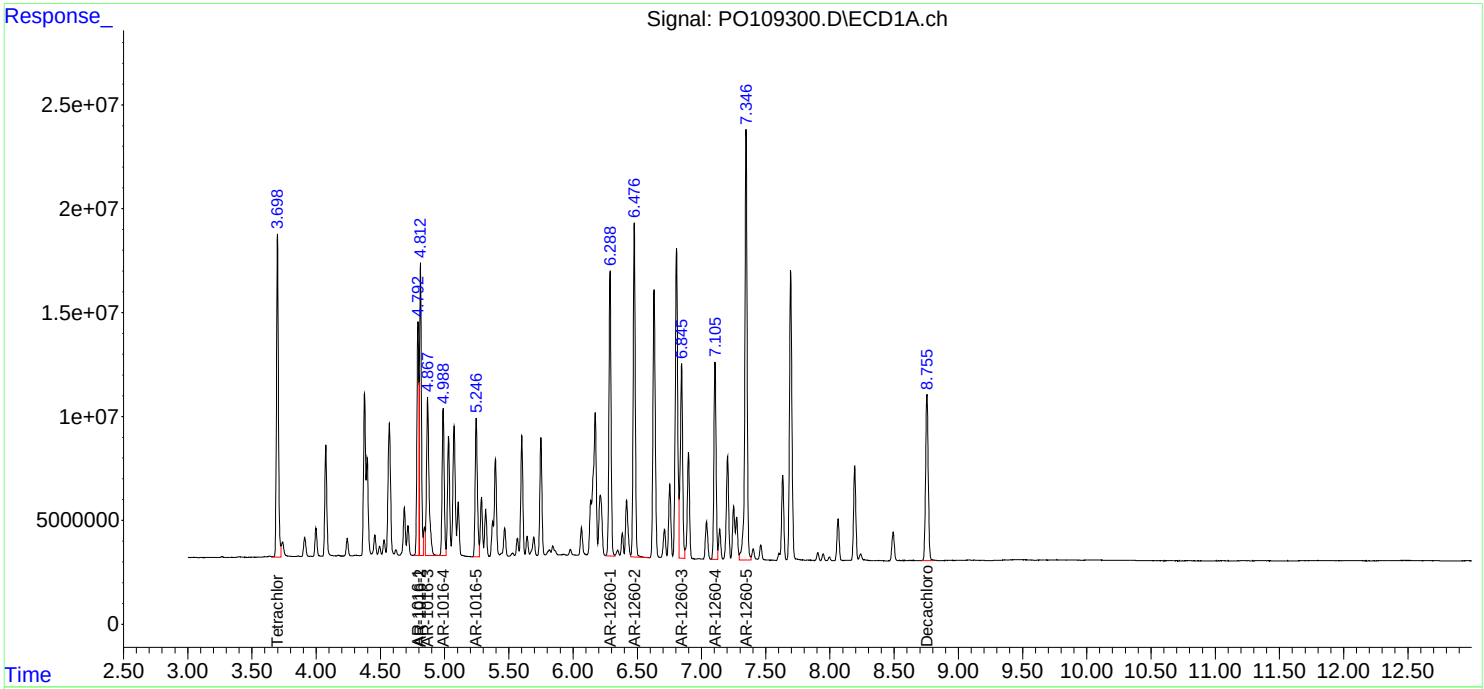
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO013025\
Data File : PO109300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jan 2025 21:27
Operator : YP/AJ
Sample : PB166366BSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

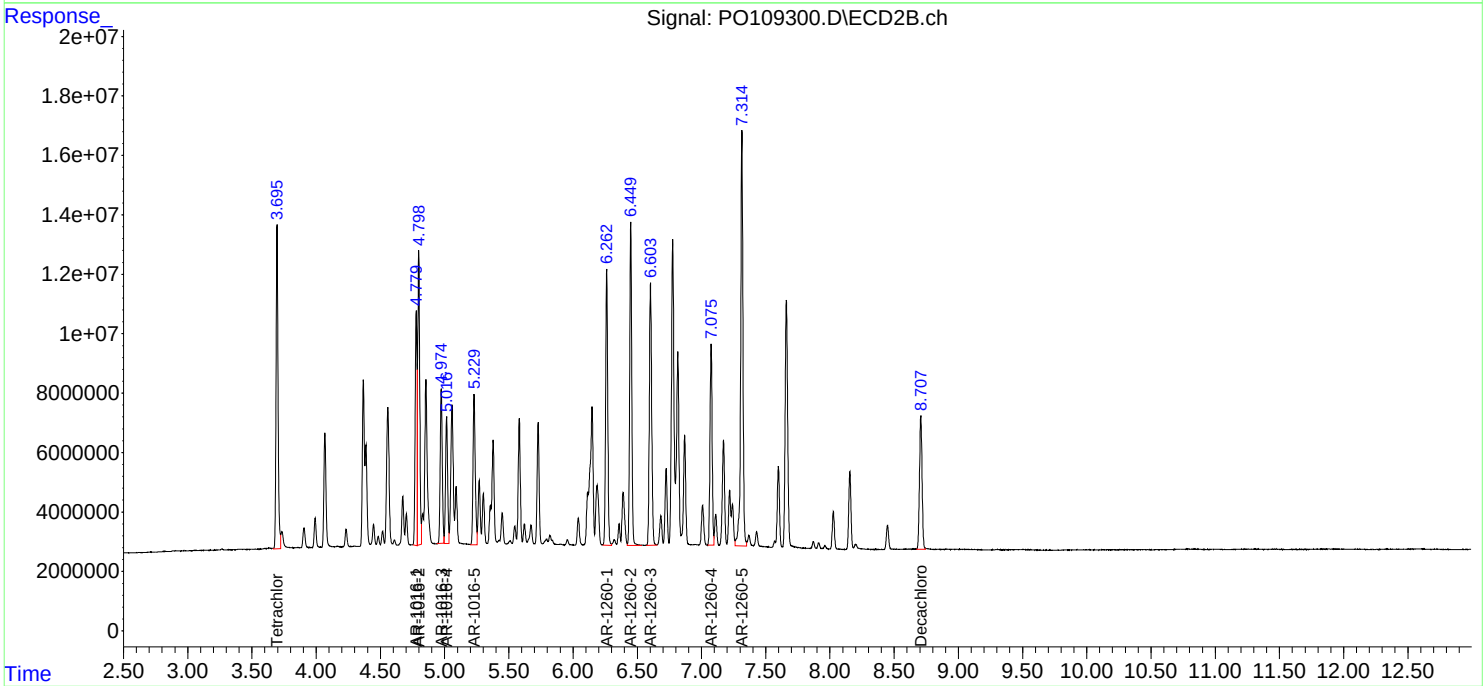
Instrument :
ECD_O
ClientSampleId :
PB166366BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/31/2025
Supervised By :Ankita Jodhani 01/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 31 02:01:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109234.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 14:51
Operator : YP/AJ
Sample : Q1194-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B-113-SB01MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 16:00:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.695	191.8E6	133.3E6	25.380m	24.859m
2)	SA Decachlor...	8.762	8.712	159.6E6	76595140	23.039	22.274
	Target Compounds						
3)	L1 AR-1016-1	4.792	4.779	164.4E6	98327530	651.483m	607.268m
4)	L1 AR-1016-2	4.812	4.799	194.2E6	131.7E6	563.111m	552.877m
5)	L1 AR-1016-3	4.868	4.975	140.2E6	77676073	574.279m	595.777m
6)	L1 AR-1016-4	4.989	5.017	113.8E6	62105356	596.536	561.945m
7)	L1 AR-1016-5	5.247	5.230	109.6E6	74336677	524.966	517.871m
31)	L7 AR-1260-1	6.290	6.265	235.3E6	151.2E6	617.461	599.720
32)	L7 AR-1260-2	6.478	6.452	266.1E6	171.7E6	566.721m	570.752
33)	L7 AR-1260-3	6.848	6.605	189.6E6	156.2E6	484.230	561.105m
34)	L7 AR-1260-4	7.109	7.077	180.6E6	108.7E6	504.411	481.799m
35)	L7 AR-1260-5	7.351	7.318	424.1E6	246.5E6	508.152	492.275

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

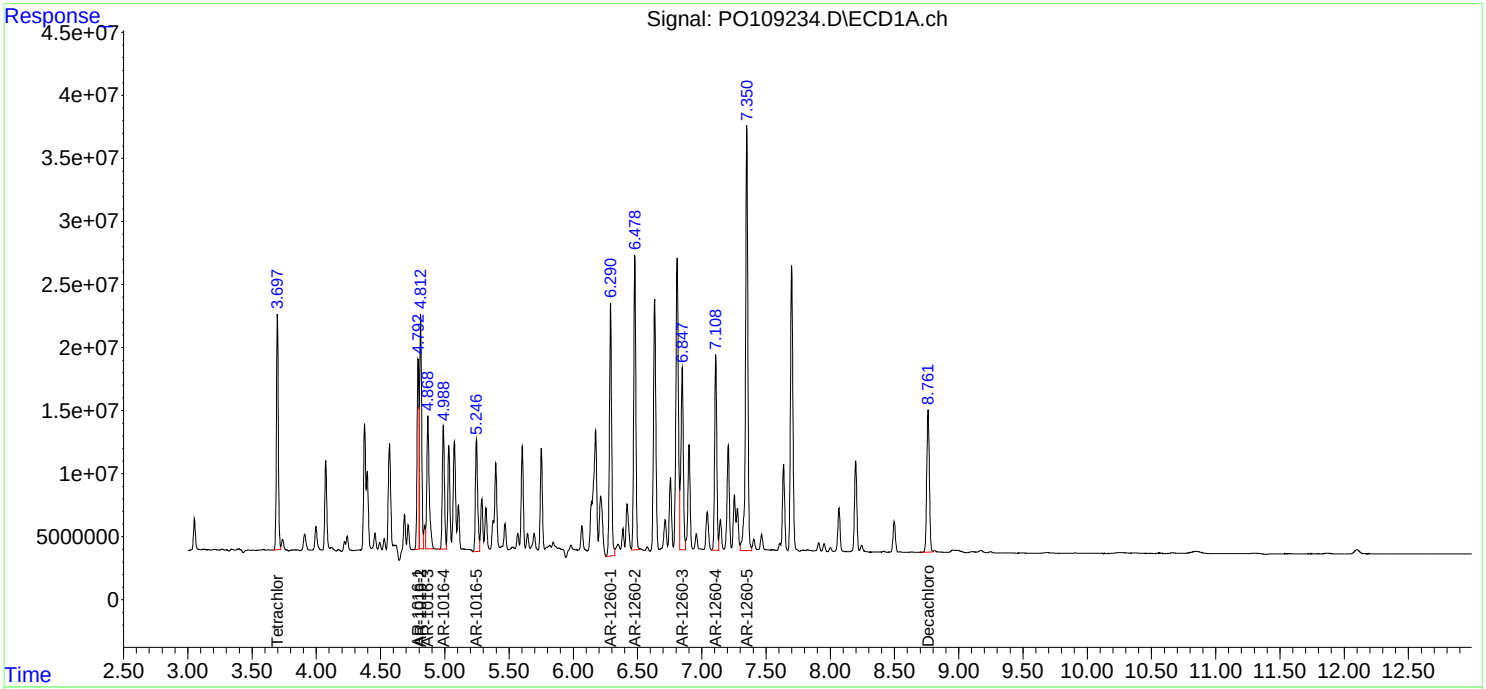
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109234.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 14:51
Operator : YP/AJ
Sample : Q1194-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

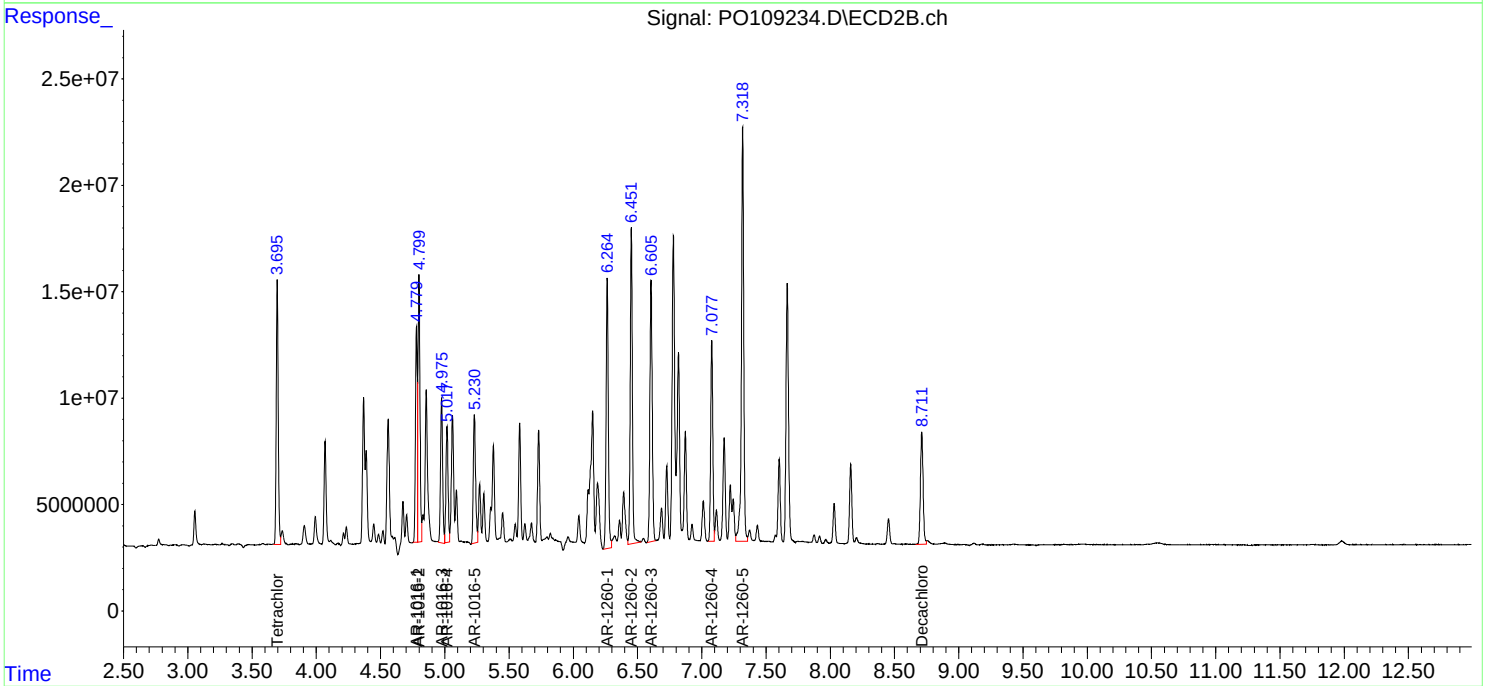
Instrument :
ECD_O
ClientSampleId :
B-113-SB01MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 16:00:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 15:08
Operator : YP/AJ
Sample : Q1194-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B-113-SB01MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 16:01:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.695	195.8E6	131.8E6	25.917	24.583m
2)	SA Decachlor...	8.761	8.713	157.9E6	75943099	22.788	22.084m
	Target Compounds						
3)	L1 AR-1016-1	4.792	4.780	162.0E6	92100716	642.003m	568.811m
4)	L1 AR-1016-2	4.812	4.799	196.0E6	138.0E6	568.263m	579.464m
5)	L1 AR-1016-3	4.868	4.975	141.9E6	74336829	581.268m	570.165m
6)	L1 AR-1016-4	4.990	5.017	112.2E6	58786593	587.708	531.916m
7)	L1 AR-1016-5	5.247	5.230	109.8E6	74683767	525.750	520.289m
31)	L7 AR-1260-1	6.290	6.265	232.5E6	149.6E6	609.991	593.542
32)	L7 AR-1260-2	6.478	6.452	261.9E6	169.5E6	557.717m	563.541
33)	L7 AR-1260-3	6.848	6.605	187.2E6	154.8E6	477.982	555.914m
34)	L7 AR-1260-4	7.109	7.078	178.1E6	107.7E6	497.429	477.167m
35)	L7 AR-1260-5	7.351	7.318	420.4E6	242.8E6	503.771	484.950

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

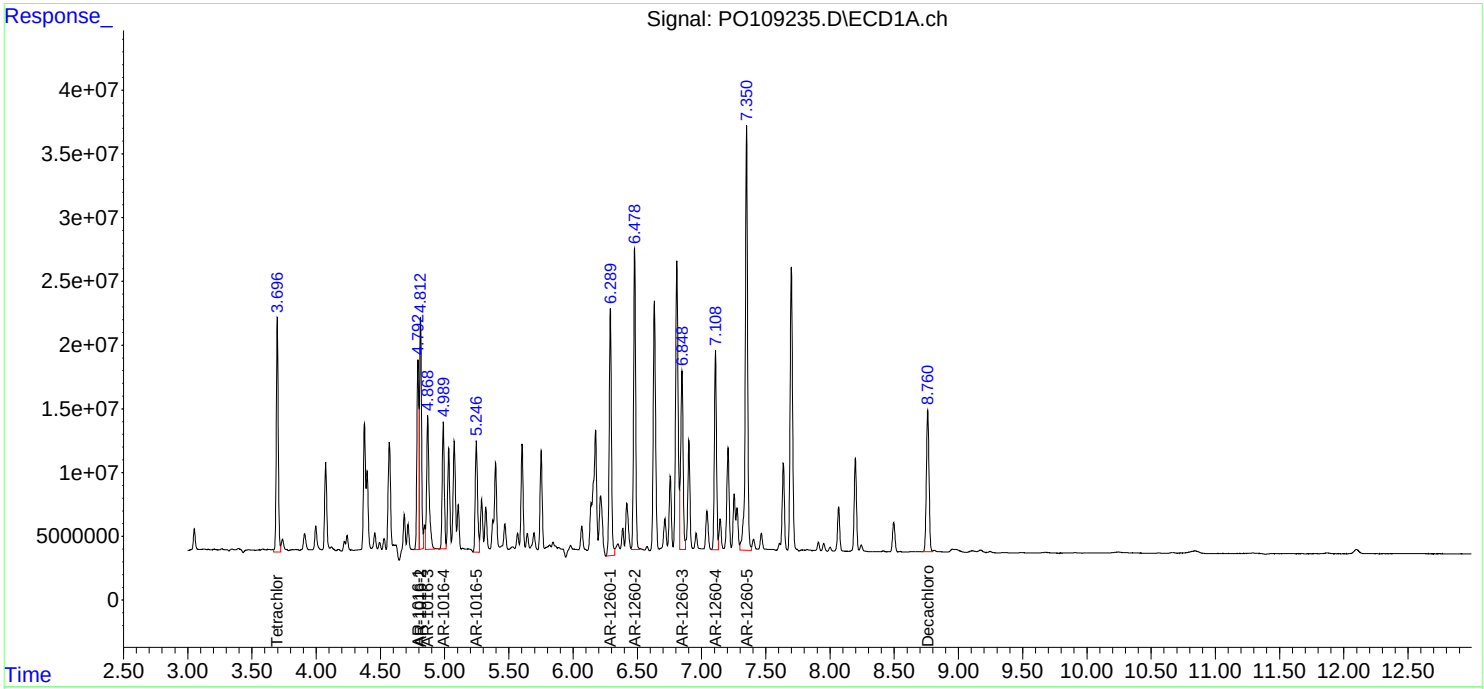
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO012925\
Data File : PO109235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Jan 2025 15:08
Operator : YP/AJ
Sample : Q1194-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

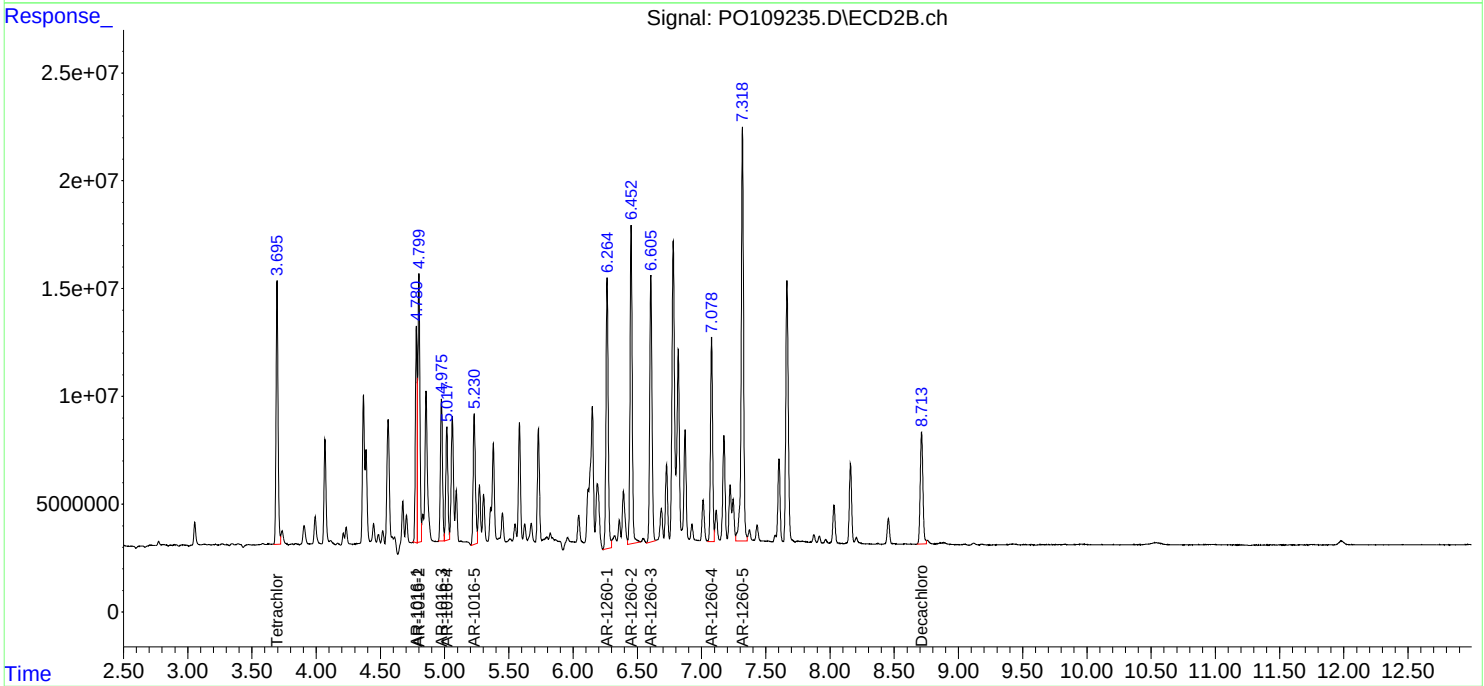
Instrument :
ECD_O
ClientSampleId :
B-113-SB01MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jan 29 16:01:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO012125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Jan 22 03:46:11 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO012125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC1000	PO108982.D	AR-1016-1 #2	yogesh	1/22/2025 7:41:34 AM	Ankita	1/22/2025 8:28:39	Peak Integrated by Software
AR1660ICC1000	PO108982.D	AR-1016-2 #2	yogesh	1/22/2025 7:41:34 AM	Ankita	1/22/2025 8:28:39	Peak Integrated by Software
AR1660ICC1000	PO108982.D	AR-1016-3 #2	yogesh	1/22/2025 7:41:34 AM	Ankita	1/22/2025 8:28:39	Peak Integrated by Software
AR1660ICC1000	PO108982.D	AR-1016-4 #2	yogesh	1/22/2025 7:41:34 AM	Ankita	1/22/2025 8:28:39	Peak Integrated by Software
AR1660ICC1000	PO108982.D	AR-1016-5 #2	yogesh	1/22/2025 7:41:34 AM	Ankita	1/22/2025 8:28:39	Peak Integrated by Software
AR1660ICC1000	PO108982.D	AR-1260-4 #2	yogesh	1/22/2025 7:41:34 AM	Ankita	1/22/2025 8:28:39	Peak Integrated by Software
AR1660ICC750	PO108983.D	AR-1016-1 #2	yogesh	1/22/2025 7:41:16 AM	Ankita	1/22/2025 8:28:41	Peak Integrated by Software
AR1660ICC750	PO108983.D	AR-1016-2 #2	yogesh	1/22/2025 7:41:16 AM	Ankita	1/22/2025 8:28:41	Peak Integrated by Software
AR1660ICC750	PO108983.D	AR-1016-3 #2	yogesh	1/22/2025 7:41:16 AM	Ankita	1/22/2025 8:28:41	Peak Integrated by Software
AR1660ICC750	PO108983.D	AR-1016-4 #2	yogesh	1/22/2025 7:41:16 AM	Ankita	1/22/2025 8:28:41	Peak Integrated by Software
AR1660ICC750	PO108983.D	AR-1016-5 #2	yogesh	1/22/2025 7:41:16 AM	Ankita	1/22/2025 8:28:41	Peak Integrated by Software
AR1660ICC750	PO108983.D	AR-1260-4 #2	yogesh	1/22/2025 7:41:16 AM	Ankita	1/22/2025 8:28:41	Peak Integrated by Software
AR1660ICC250	PO108985.D	AR-1016-1 #2	yogesh	1/22/2025 7:41:20 AM	Ankita	1/22/2025 8:28:42	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO012125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PO108985.D	AR-1016-2 #2	yogesh	1/22/2025 7:41:20 AM	Ankita	1/22/2025 8:28:42	Peak Integrated by Software
AR1660ICC250	PO108985.D	AR-1016-3 #2	yogesh	1/22/2025 7:41:20 AM	Ankita	1/22/2025 8:28:42	Peak Integrated by Software
AR1660ICC250	PO108985.D	AR-1016-4 #2	yogesh	1/22/2025 7:41:20 AM	Ankita	1/22/2025 8:28:42	Peak Integrated by Software
AR1660ICC250	PO108985.D	AR-1016-5 #2	yogesh	1/22/2025 7:41:20 AM	Ankita	1/22/2025 8:28:42	Peak Integrated by Software
AR1660ICC250	PO108985.D	AR-1260-4 #2	yogesh	1/22/2025 7:41:20 AM	Ankita	1/22/2025 8:28:42	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1016-1 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1016-2 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1016-3 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1016-4 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1016-5	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1016-5 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1260-1	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1260-1 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO012125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO108986.D	AR-1260-2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1260-2 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1660ICC050	PO108986.D	AR-1260-4 #2	yogesh	1/22/2025 7:41:21 AM	Ankita	1/22/2025 8:28:46	Peak Integrated by Software
AR1242ICC050	PO108993.D	AR-1242-4	yogesh	1/22/2025 7:41:23 AM	Ankita	1/22/2025 8:28:48	Peak Integrated by Software
AR1242ICC050	PO108993.D	AR-1242-4 #2	yogesh	1/22/2025 7:41:23 AM	Ankita	1/22/2025 8:28:48	Peak Integrated by Software
AR1242ICC050	PO108993.D	AR-1242-5 #2	yogesh	1/22/2025 7:41:23 AM	Ankita	1/22/2025 8:28:48	Peak Integrated by Software
AR1242ICC050	PO108993.D	Tetrachloro-m-xylene	yogesh	1/22/2025 7:41:23 AM	Ankita	1/22/2025 8:28:48	Peak Integrated by Software
AR1248ICC050	PO108998.D	AR-1248-3	yogesh	1/22/2025 7:41:25 AM	Ankita	1/22/2025 8:28:50	Peak Integrated by Software
PO012125ICV500	PO109010.D	AR-1016-1 #2	yogesh	1/22/2025 7:41:26 AM	Ankita	1/22/2025 8:28:52	Peak Integrated by Software
PO012125ICV500	PO109010.D	AR-1016-2 #2	yogesh	1/22/2025 7:41:26 AM	Ankita	1/22/2025 8:28:52	Peak Integrated by Software
PO012125ICV500	PO109010.D	AR-1016-3 #2	yogesh	1/22/2025 7:41:26 AM	Ankita	1/22/2025 8:28:52	Peak Integrated by Software
PO012125ICV500	PO109010.D	AR-1016-4 #2	yogesh	1/22/2025 7:41:26 AM	Ankita	1/22/2025 8:28:52	Peak Integrated by Software
PO012125ICV500	PO109010.D	AR-1016-5 #2	yogesh	1/22/2025 7:41:26 AM	Ankita	1/22/2025 8:28:52	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO012125	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PO012125ICV500	PO109010.D	AR-1260-4 #2	yogesh	1/22/2025 7:41:26 AM	Ankita	1/22/2025 8:28:52	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	Po012925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PO109224.D	AR-1016-3 #2	yogesh	1/30/2025 10:16:59 AM	Ankita	1/30/2025 10:37:21	Peak Integrated by Software
AR1660CCC50 0	PO109224.D	AR-1016-5 #2	yogesh	1/30/2025 10:16:59 AM	Ankita	1/30/2025 10:37:21	Peak Integrated by Software
AR1660CCC50 0	PO109224.D	AR-1260-4 #2	yogesh	1/30/2025 10:16:59 AM	Ankita	1/30/2025 10:37:21	Peak Integrated by Software
AR1248CCC50 0	PO109226.D	AR-1248-3	yogesh	1/30/2025 10:17:02 AM	Ankita	1/30/2025 10:37:23	Peak Integrated by Software
PB166293BS	PO109230.D	AR-1016-2 #2	yogesh	1/30/2025 10:17:04 AM	Ankita	1/30/2025 10:37:24	Peak Integrated by Software
PB166293BS	PO109230.D	AR-1016-3 #2	yogesh	1/30/2025 10:17:04 AM	Ankita	1/30/2025 10:37:24	Peak Integrated by Software
PB166293BS	PO109230.D	AR-1016-5 #2	yogesh	1/30/2025 10:17:04 AM	Ankita	1/30/2025 10:37:24	Peak Integrated by Software
PB166293BS	PO109230.D	AR-1260-4 #2	yogesh	1/30/2025 10:17:04 AM	Ankita	1/30/2025 10:37:24	Peak Integrated by Software
PB166293BS	PO109230.D	Tetrachloro-m-xylene #2	yogesh	1/30/2025 10:17:04 AM	Ankita	1/30/2025 10:37:24	Peak Integrated by Software
Q1194-03	PO109233.D	Decachlorobiphenyl #2	yogesh	1/30/2025 10:17:05 AM	Ankita	1/30/2025 10:37:26	Peak Integrated by Software
Q1194-03	PO109233.D	Tetrachloro-m-xylene	yogesh	1/30/2025 10:17:05 AM	Ankita	1/30/2025 10:37:26	Peak Integrated by Software
Q1194-03	PO109233.D	Tetrachloro-m-xylene #2	yogesh	1/30/2025 10:17:05 AM	Ankita	1/30/2025 10:37:26	Peak Integrated by Software
Q1194-03MS	PO109234.D	AR-1016-1	yogesh	1/30/2025 10:17:07 AM	Ankita	1/30/2025 10:37:27	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	Po012925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1194-03MS	PO109234.D	AR-1016-2	yogesh	1/30/2025 10:17:07 AM	Ankita	1/30/2025 10:37:27	Peak Integrated by Software
Q1194-03MS	PO109234.D	AR-1016-2 #2	yogesh	1/30/2025 10:17:07 AM	Ankita	1/30/2025 10:37:27	Peak Integrated by Software
Q1194-03MS	PO109234.D	AR-1016-3	yogesh	1/30/2025 10:17:07 AM	Ankita	1/30/2025 10:37:27	Peak Integrated by Software
Q1194-03MS	PO109234.D	AR-1016-4 #2	yogesh	1/30/2025 10:17:07 AM	Ankita	1/30/2025 10:37:27	Peak Integrated by Software
Q1194-03MS	PO109234.D	AR-1016-5 #2	yogesh	1/30/2025 10:17:07 AM	Ankita	1/30/2025 10:37:27	Peak Integrated by Software
Q1194-03MS	PO109234.D	AR-1260-2	yogesh	1/30/2025 10:17:07 AM	Ankita	1/30/2025 10:37:27	Peak Integrated by Software
Q1194-03MS	PO109234.D	AR-1260-3 #2	yogesh	1/30/2025 10:17:07 AM	Ankita	1/30/2025 10:37:27	Peak Integrated by Software
Q1194-03MS	PO109234.D	AR-1260-4 #2	yogesh	1/30/2025 10:17:07 AM	Ankita	1/30/2025 10:37:27	Peak Integrated by Software
Q1194-03MS	PO109234.D	Tetrachloro-m-xylene	yogesh	1/30/2025 10:17:07 AM	Ankita	1/30/2025 10:37:27	Peak Integrated by Software
Q1194-03MS	PO109234.D	Tetrachloro-m-xylene #2	yogesh	1/30/2025 10:17:07 AM	Ankita	1/30/2025 10:37:27	Peak Integrated by Software
Q1194-03MSD	PO109235.D	AR-1016-1	yogesh	1/30/2025 10:17:09 AM	Ankita	1/30/2025 10:37:28	Peak Integrated by Software
Q1194-03MSD	PO109235.D	AR-1016-2	yogesh	1/30/2025 10:17:09 AM	Ankita	1/30/2025 10:37:28	Peak Integrated by Software
Q1194-03MSD	PO109235.D	AR-1016-3	yogesh	1/30/2025 10:17:09 AM	Ankita	1/30/2025 10:37:28	Peak Integrated by Software

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Manual Integration Report

Sequence:	Po012925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1194-03MSD	PO109235.D	AR-1016-5 #2	yogesh	1/30/2025 10:17:09 AM	Ankita	1/30/2025 10:37:28	Peak Integrated by Software
Q1194-03MSD	PO109235.D	AR-1260-2	yogesh	1/30/2025 10:17:09 AM	Ankita	1/30/2025 10:37:28	Peak Integrated by Software
Q1194-03MSD	PO109235.D	AR-1260-3 #2	yogesh	1/30/2025 10:17:09 AM	Ankita	1/30/2025 10:37:28	Peak Integrated by Software
Q1194-03MSD	PO109235.D	AR-1260-4 #2	yogesh	1/30/2025 10:17:09 AM	Ankita	1/30/2025 10:37:28	Peak Integrated by Software
Q1194-03MSD	PO109235.D	Decachlorobiphenyl #2	yogesh	1/30/2025 10:17:09 AM	Ankita	1/30/2025 10:37:28	Peak Integrated by Software
Q1194-03MSD	PO109235.D	Tetrachloro-m-xylene #2	yogesh	1/30/2025 10:17:09 AM	Ankita	1/30/2025 10:37:28	Peak Integrated by Software
Q1194-04	PO109236.D	Decachlorobiphenyl #2	yogesh	1/30/2025 10:17:11 AM	Ankita	1/30/2025 10:37:30	Peak Integrated by Software
AR1660CCC500	PO109239.D	AR-1016-1 #2	yogesh	1/30/2025 10:17:16 AM	Ankita	1/30/2025 10:37:33	Peak Integrated by Software
AR1660CCC500	PO109239.D	AR-1016-2 #2	yogesh	1/30/2025 10:17:16 AM	Ankita	1/30/2025 10:37:33	Peak Integrated by Software
AR1660CCC500	PO109239.D	AR-1016-3 #2	yogesh	1/30/2025 10:17:16 AM	Ankita	1/30/2025 10:37:33	Peak Integrated by Software
AR1660CCC500	PO109239.D	AR-1016-4 #2	yogesh	1/30/2025 10:17:16 AM	Ankita	1/30/2025 10:37:33	Peak Integrated by Software
AR1660CCC500	PO109239.D	AR-1016-5 #2	yogesh	1/30/2025 10:17:16 AM	Ankita	1/30/2025 10:37:33	Peak Integrated by Software
AR1660CCC500	PO109239.D	AR-1260-4 #2	yogesh	1/30/2025 10:17:16 AM	Ankita	1/30/2025 10:37:33	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	Po012925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PO109254.D	AR-1016-1 #2	yogesh	1/30/2025 10:17:36 AM	Ankita	1/30/2025 10:38:13	Peak Integrated by Software
AR1660CCC50 0	PO109254.D	AR-1016-2 #2	yogesh	1/30/2025 10:17:36 AM	Ankita	1/30/2025 10:38:13	Peak Integrated by Software
AR1660CCC50 0	PO109254.D	AR-1016-3 #2	yogesh	1/30/2025 10:17:36 AM	Ankita	1/30/2025 10:38:13	Peak Integrated by Software
AR1660CCC50 0	PO109254.D	AR-1016-4 #2	yogesh	1/30/2025 10:17:36 AM	Ankita	1/30/2025 10:38:13	Peak Integrated by Software
AR1660CCC50 0	PO109254.D	AR-1016-5 #2	yogesh	1/30/2025 10:17:36 AM	Ankita	1/30/2025 10:38:13	Peak Integrated by Software
AR1660CCC50 0	PO109254.D	AR-1260-4 #2	yogesh	1/30/2025 10:17:36 AM	Ankita	1/30/2025 10:38:13	Peak Integrated by Software
AR1254CCC50 0	PO109257.D	AR-1254-1 #2	yogesh	1/30/2025 10:17:37 AM	Ankita	1/30/2025 10:38:14	Peak Integrated by Software
AR1254CCC50 0	PO109257.D	AR-1254-2 #2	yogesh	1/30/2025 10:17:37 AM	Ankita	1/30/2025 10:38:14	Peak Integrated by Software
AR1254CCC50 0	PO109257.D	AR-1254-3 #2	yogesh	1/30/2025 10:17:37 AM	Ankita	1/30/2025 10:38:14	Peak Integrated by Software
AR1254CCC50 0	PO109257.D	AR-1254-4 #2	yogesh	1/30/2025 10:17:37 AM	Ankita	1/30/2025 10:38:14	Peak Integrated by Software
AR1660CCC50 0	PO109261.D	AR-1016-1 #2	yogesh	1/30/2025 10:17:40 AM	Ankita	1/30/2025 10:38:17	Peak Integrated by Software
AR1660CCC50 0	PO109261.D	AR-1016-2 #2	yogesh	1/30/2025 10:17:40 AM	Ankita	1/30/2025 10:38:17	Peak Integrated by Software
AR1660CCC50 0	PO109261.D	AR-1016-3 #2	yogesh	1/30/2025 10:17:40 AM	Ankita	1/30/2025 10:38:17	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	Po012925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PO109261.D	AR-1016-4 #2	yogesh	1/30/2025 10:17:40 AM	Ankita	1/30/2025 10:38:17	Peak Integrated by Software
AR1660CCC50 0	PO109261.D	AR-1016-5 #2	yogesh	1/30/2025 10:17:40 AM	Ankita	1/30/2025 10:38:17	Peak Integrated by Software
AR1660CCC50 0	PO109261.D	AR-1260-4 #2	yogesh	1/30/2025 10:17:40 AM	Ankita	1/30/2025 10:38:17	Peak Integrated by Software
AR1254CCC50 0	PO109264.D	AR-1254-1 #2	yogesh	1/30/2025 10:17:42 AM	Ankita	1/30/2025 10:38:19	Peak Integrated by Software
AR1254CCC50 0	PO109264.D	AR-1254-2 #2	yogesh	1/30/2025 10:17:42 AM	Ankita	1/30/2025 10:38:19	Peak Integrated by Software
AR1254CCC50 0	PO109264.D	AR-1254-3 #2	yogesh	1/30/2025 10:17:42 AM	Ankita	1/30/2025 10:38:19	Peak Integrated by Software
AR1660CCC50 0	PO109267.D	AR-1016-1 #2	yogesh	1/30/2025 10:17:46 AM	Ankita	1/30/2025 10:38:22	Peak Integrated by Software
AR1660CCC50 0	PO109267.D	AR-1016-2 #2	yogesh	1/30/2025 10:17:46 AM	Ankita	1/30/2025 10:38:22	Peak Integrated by Software
AR1660CCC50 0	PO109267.D	AR-1016-3 #2	yogesh	1/30/2025 10:17:46 AM	Ankita	1/30/2025 10:38:22	Peak Integrated by Software
AR1660CCC50 0	PO109267.D	AR-1016-4 #2	yogesh	1/30/2025 10:17:46 AM	Ankita	1/30/2025 10:38:22	Peak Integrated by Software
AR1660CCC50 0	PO109267.D	AR-1016-5 #2	yogesh	1/30/2025 10:17:46 AM	Ankita	1/30/2025 10:38:22	Peak Integrated by Software
AR1660CCC50 0	PO109267.D	AR-1260-4 #2	yogesh	1/30/2025 10:17:46 AM	Ankita	1/30/2025 10:38:22	Peak Integrated by Software
AR1254CCC50 0	PO109270.D	AR-1254-1 #2	yogesh	1/30/2025 10:17:48 AM	Ankita	1/30/2025 10:38:24	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	Po012925	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO109270.D	AR-1254-2 #2	yogesh	1/30/2025 10:17:48 AM	Ankita	1/30/2025 10:38:24	Peak Integrated by Software
AR1254CCC500	PO109270.D	AR-1254-3 #2	yogesh	1/30/2025 10:17:48 AM	Ankita	1/30/2025 10:38:24	Peak Integrated by Software
AR1254CCC500	PO109270.D	AR-1254-4 #2	yogesh	1/30/2025 10:17:48 AM	Ankita	1/30/2025 10:38:24	Peak Integrated by Software
I.BLK	PO109271.D	Decachlorobiphenyl #2	yogesh	1/30/2025 10:17:49 AM	Ankita	1/30/2025 10:38:25	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO013025	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO109273.D	AR-1016-5 #2	yogesh	1/31/2025 8:27:56 AM	Ankita	1/31/2025 11:09:58	Peak Integrated by Software
AR1660CCC500	PO109273.D	AR-1260-4 #2	yogesh	1/31/2025 8:27:56 AM	Ankita	1/31/2025 11:09:58	Peak Integrated by Software
AR1660CCC500	PO109288.D	AR-1016-1 #2	yogesh	1/31/2025 8:28:15 AM	Ankita	1/31/2025 11:10:14	Peak Integrated by Software
AR1660CCC500	PO109288.D	AR-1016-2 #2	yogesh	1/31/2025 8:28:15 AM	Ankita	1/31/2025 11:10:14	Peak Integrated by Software
AR1660CCC500	PO109288.D	AR-1016-3 #2	yogesh	1/31/2025 8:28:15 AM	Ankita	1/31/2025 11:10:14	Peak Integrated by Software
AR1660CCC500	PO109288.D	AR-1016-4 #2	yogesh	1/31/2025 8:28:15 AM	Ankita	1/31/2025 11:10:14	Peak Integrated by Software
AR1660CCC500	PO109288.D	AR-1016-5 #2	yogesh	1/31/2025 8:28:15 AM	Ankita	1/31/2025 11:10:14	Peak Integrated by Software
AR1660CCC500	PO109288.D	AR-1260-4 #2	yogesh	1/31/2025 8:28:15 AM	Ankita	1/31/2025 11:10:14	Peak Integrated by Software
AR1248CCC500	PO109290.D	AR-1248-3	yogesh	1/31/2025 8:28:16 AM	Ankita	1/31/2025 11:10:15	Peak Integrated by Software
AR1248CCC500	PO109290.D	AR-1248-4 #2	yogesh	1/31/2025 8:28:16 AM	Ankita	1/31/2025 11:10:15	Peak Integrated by Software
AR1248CCC500	PO109290.D	AR-1248-5 #2	yogesh	1/31/2025 8:28:16 AM	Ankita	1/31/2025 11:10:15	Peak Integrated by Software
PB166366BS	PO109299.D	AR-1016-1 #2	yogesh	1/31/2025 8:28:25 AM	Ankita	1/31/2025 11:10:20	Peak Integrated by Software
PB166366BS	PO109299.D	AR-1016-2 #2	yogesh	1/31/2025 8:28:25 AM	Ankita	1/31/2025 11:10:20	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO013025	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166366BS	PO109299.D	AR-1016-3 #2	yogesh	1/31/2025 8:28:25 AM	Ankita	1/31/2025 11:10:20	Peak Integrated by Software
PB166366BS	PO109299.D	AR-1016-4 #2	yogesh	1/31/2025 8:28:25 AM	Ankita	1/31/2025 11:10:20	Peak Integrated by Software
PB166366BS	PO109299.D	AR-1016-5 #2	yogesh	1/31/2025 8:28:25 AM	Ankita	1/31/2025 11:10:20	Peak Integrated by Software
PB166366BS	PO109299.D	AR-1260-4 #2	yogesh	1/31/2025 8:28:25 AM	Ankita	1/31/2025 11:10:20	Peak Integrated by Software
PB166366BS	PO109299.D	Decachlorobiphenyl #2	yogesh	1/31/2025 8:28:25 AM	Ankita	1/31/2025 11:10:20	Peak Integrated by Software
PB166366BS	PO109299.D	Tetrachloro-m-xylene #2	yogesh	1/31/2025 8:28:25 AM	Ankita	1/31/2025 11:10:20	Peak Integrated by Software
PB166366BSD	PO109300.D	AR-1016-1 #2	yogesh	1/31/2025 11:43:07 AM	Ankita	1/31/2025 1:16:29	Peak Integrated by Software
PB166366BSD	PO109300.D	AR-1016-2 #2	yogesh	1/31/2025 11:43:07 AM	Ankita	1/31/2025 1:16:29	Peak Integrated by Software
PB166366BSD	PO109300.D	AR-1016-3 #2	yogesh	1/31/2025 11:43:07 AM	Ankita	1/31/2025 1:16:29	Peak Integrated by Software
PB166366BSD	PO109300.D	AR-1016-4 #2	yogesh	1/31/2025 11:43:07 AM	Ankita	1/31/2025 1:16:29	Peak Integrated by Software
PB166366BSD	PO109300.D	AR-1016-5 #2	yogesh	1/31/2025 11:43:07 AM	Ankita	1/31/2025 1:16:29	Peak Integrated by Software
PB166366BSD	PO109300.D	AR-1260-4 #2	yogesh	1/31/2025 11:43:07 AM	Ankita	1/31/2025 1:16:29	Peak Integrated by Software
PB166366BSD	PO109300.D	Decachlorobiphenyl #2	yogesh	1/31/2025 11:43:07 AM	Ankita	1/31/2025 1:16:29	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO013025	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166366BSD	PO109300.D	Tetrachloro-m-xylene #2	yogesh	1/31/2025 11:43:07 AM	Ankita	1/31/2025 1:16:29	Peak Integrated by Software
AR1660CCC500	PO109302.D	AR-1016-1 #2	yogesh	1/31/2025 8:28:29 AM	Ankita	1/31/2025 11:10:22	Peak Integrated by Software
AR1660CCC500	PO109302.D	AR-1016-2 #2	yogesh	1/31/2025 8:28:29 AM	Ankita	1/31/2025 11:10:22	Peak Integrated by Software
AR1660CCC500	PO109302.D	AR-1016-3 #2	yogesh	1/31/2025 8:28:29 AM	Ankita	1/31/2025 11:10:22	Peak Integrated by Software
AR1660CCC500	PO109302.D	AR-1016-4 #2	yogesh	1/31/2025 8:28:29 AM	Ankita	1/31/2025 11:10:22	Peak Integrated by Software
AR1660CCC500	PO109302.D	AR-1016-5 #2	yogesh	1/31/2025 8:28:29 AM	Ankita	1/31/2025 11:10:22	Peak Integrated by Software
AR1660CCC500	PO109302.D	AR-1260-4 #2	yogesh	1/31/2025 8:28:29 AM	Ankita	1/31/2025 11:10:22	Peak Integrated by Software
AR1248CCC500	PO109304.D	AR-1248-3	yogesh	1/31/2025 8:28:30 AM	Ankita	1/31/2025 11:10:24	Peak Integrated by Software
AR1248CCC500	PO109304.D	AR-1248-4 #2	yogesh	1/31/2025 8:28:30 AM	Ankita	1/31/2025 11:10:24	Peak Integrated by Software
AR1660CCC500	PO109311.D	AR-1016-1 #2	yogesh	1/31/2025 8:28:37 AM	Ankita	1/31/2025 11:10:30	Peak Integrated by Software
AR1660CCC500	PO109311.D	AR-1016-2 #2	yogesh	1/31/2025 8:28:37 AM	Ankita	1/31/2025 11:10:30	Peak Integrated by Software
AR1660CCC500	PO109311.D	AR-1016-3 #2	yogesh	1/31/2025 8:28:37 AM	Ankita	1/31/2025 11:10:30	Peak Integrated by Software
AR1660CCC500	PO109311.D	AR-1016-4 #2	yogesh	1/31/2025 8:28:37 AM	Ankita	1/31/2025 11:10:30	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO013025	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO109311.D	AR-1016-5 #2	yogesh	1/31/2025 8:28:37 AM	Ankita	1/31/2025 11:10:30	Peak Integrated by Software
AR1660CCC500	PO109311.D	AR-1260-4 #2	yogesh	1/31/2025 8:28:37 AM	Ankita	1/31/2025 11:10:30	Peak Integrated by Software
AR1248CCC500	PO109313.D	AR-1248-3	yogesh	1/31/2025 8:28:39 AM	Ankita	1/31/2025 11:10:32	Peak Integrated by Software
AR1248CCC500	PO109313.D	AR-1248-4 #2	yogesh	1/31/2025 8:28:39 AM	Ankita	1/31/2025 11:10:32	Peak Integrated by Software
AR1248CCC500	PO109313.D	AR-1248-5 #2	yogesh	1/31/2025 8:28:39 AM	Ankita	1/31/2025 11:10:32	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012125

Review By	yogesh	Review On	1/22/2025 7:41:46 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:29:10 AM		
SubDirectory	PO012125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO108980.D	21 Jan 2025 16:59	YP/AJ	Ok
2	I.BLK	PO108981.D	21 Jan 2025 17:18	YP/AJ	Ok
3	AR1660ICC1000	PO108982.D	21 Jan 2025 17:36	YP/AJ	Ok,M
4	AR1660ICC750	PO108983.D	21 Jan 2025 17:54	YP/AJ	Ok,M
5	AR1660ICC500	PO108984.D	21 Jan 2025 18:13	YP/AJ	Ok
6	AR1660ICC250	PO108985.D	21 Jan 2025 18:31	YP/AJ	Ok,M
7	AR1660ICC050	PO108986.D	21 Jan 2025 18:49	YP/AJ	Ok,M
8	AR1221ICC500	PO108987.D	21 Jan 2025 19:07	YP/AJ	Ok
9	AR1232ICC500	PO108988.D	21 Jan 2025 19:26	YP/AJ	Ok
10	AR1242ICC1000	PO108989.D	21 Jan 2025 19:44	YP/AJ	Ok
11	AR1242ICC750	PO108990.D	21 Jan 2025 20:02	YP/AJ	Ok
12	AR1242ICC500	PO108991.D	21 Jan 2025 20:21	YP/AJ	Ok
13	AR1242ICC250	PO108992.D	21 Jan 2025 20:39	YP/AJ	Ok
14	AR1242ICC050	PO108993.D	21 Jan 2025 20:57	YP/AJ	Ok,M
15	AR1248ICC1000	PO108994.D	21 Jan 2025 21:16	YP/AJ	Ok
16	AR1248ICC750	PO108995.D	21 Jan 2025 21:34	YP/AJ	Ok
17	AR1248ICC500	PO108996.D	21 Jan 2025 21:52	YP/AJ	Ok
18	AR1248ICC250	PO108997.D	21 Jan 2025 22:10	YP/AJ	Ok
19	AR1248ICC050	PO108998.D	21 Jan 2025 22:29	YP/AJ	Ok,M
20	AR1254ICC1000	PO108999.D	21 Jan 2025 22:47	YP/AJ	Ok
21	AR1254ICC750	PO109000.D	21 Jan 2025 23:05	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012125

Review By	yogesh	Review On	1/22/2025 7:41:46 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:29:10 AM		
SubDirectory	PO012125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO109001.D	21 Jan 2025 23:23	YP/AJ	Ok
23	AR1254ICC250	PO109002.D	21 Jan 2025 23:42	YP/AJ	Ok
24	AR1254ICC050	PO109003.D	22 Jan 2025 00:00	YP/AJ	Ok
25	AR1262ICC500	PO109004.D	22 Jan 2025 00:18	YP/AJ	Ok
26	AR1268ICC1000	PO109005.D	22 Jan 2025 00:37	YP/AJ	Ok
27	AR1268ICC750	PO109006.D	22 Jan 2025 00:55	YP/AJ	Ok
28	AR1268ICC500	PO109007.D	22 Jan 2025 01:13	YP/AJ	Ok
29	AR1268ICC250	PO109008.D	22 Jan 2025 01:31	YP/AJ	Ok
30	AR1268ICC050	PO109009.D	22 Jan 2025 01:50	YP/AJ	Ok
31	PO012125ICV500	PO109010.D	22 Jan 2025 02:08	YP/AJ	Ok,M
32	AR1242ICV500	PO109011.D	22 Jan 2025 02:26	YP/AJ	Ok
33	AR1248ICV500	PO109012.D	22 Jan 2025 02:44	YP/AJ	Ok
34	AR1254ICV500	PO109013.D	22 Jan 2025 03:03	YP/AJ	Ok
35	AR1268ICV500	PO109014.D	22 Jan 2025 03:21	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012925

Review By	yogesh	Review On	1/30/2025 10:18:15 AM		
Supervise By	Ankita	Supervise On	1/30/2025 10:38:48 AM		
SubDirectory	PO012925	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	AR1660CCC500	PO109224.D	29 Jan 2025 11:53	YP/AJ	Ok,M
2	AR1242CCC500	PO109225.D	29 Jan 2025 12:11	YP/AJ	Ok
3	AR1248CCC500	PO109226.D	29 Jan 2025 12:29	YP/AJ	Ok,M
4	AR1254CCC500	PO109227.D	29 Jan 2025 12:47	YP/AJ	Ok
5	I.BLK	PO109228.D	29 Jan 2025 13:04	YP/AJ	Ok
6	PB166293BL	PO109229.D	29 Jan 2025 13:21	YP/AJ	Ok
7	PB166293BS	PO109230.D	29 Jan 2025 13:40	YP/AJ	Ok,M
8	Q1194-01	PO109231.D	29 Jan 2025 13:58	YP/AJ	Ok
9	Q1194-02	PO109232.D	29 Jan 2025 14:15	YP/AJ	Ok
10	Q1194-03	PO109233.D	29 Jan 2025 14:34	YP/AJ	Ok,M
11	Q1194-03MS	PO109234.D	29 Jan 2025 14:51	YP/AJ	Ok,M
12	Q1194-03MSD	PO109235.D	29 Jan 2025 15:08	YP/AJ	Ok,M
13	Q1194-04	PO109236.D	29 Jan 2025 15:27	YP/AJ	Ok,M
14	PB166333BL	PO109237.D	29 Jan 2025 15:45	YP/AJ	Ok
15	PB166333BS	PO109238.D	29 Jan 2025 16:02	YP/AJ	Ok,M
16	AR1660CCC500	PO109239.D	29 Jan 2025 16:49	YP/AJ	Ok,M
17	AR1242CCC500	PO109240.D	29 Jan 2025 17:08	YP/AJ	Ok
18	AR1248CCC500	PO109241.D	29 Jan 2025 17:25	YP/AJ	Ok
19	AR1254CCC500	PO109242.D	29 Jan 2025 17:43	YP/AJ	Ok
20	I.BLK	PO109243.D	29 Jan 2025 18:02	YP/AJ	Ok
21	Q1205-01	PO109244.D	29 Jan 2025 18:20	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012925

Review By	yogesh	Review On	1/30/2025 10:18:15 AM		
Supervise By	Ankita	Supervise On	1/30/2025 10:38:48 AM		
SubDirectory	PO012925	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1205-01MS	PO109245.D	29 Jan 2025 18:37	YP/AJ	Ok,M
23	Q1205-01MSD	PO109246.D	29 Jan 2025 18:55	YP/AJ	Ok,M
24	Q1206-03	PO109247.D	29 Jan 2025 19:13	YP/AJ	Ok,M
25	Q1206-07	PO109248.D	29 Jan 2025 19:31	YP/AJ	Ok,M
26	Q1207-03	PO109249.D	29 Jan 2025 19:49	YP/AJ	Ok,M
27	Q1207-07	PO109250.D	29 Jan 2025 20:07	YP/AJ	Ok,M
28	Q1207-11	PO109251.D	29 Jan 2025 20:26	YP/AJ	Ok,M
29	Q1207-15	PO109252.D	29 Jan 2025 20:44	YP/AJ	Ok,M
30	Q1207-19	PO109253.D	29 Jan 2025 21:01	YP/AJ	Ok,M
31	AR1660CCC500	PO109254.D	30 Jan 2025 00:46	YP/AJ	Ok,M
32	AR1242CCC500	PO109255.D	30 Jan 2025 01:04	YP/AJ	Ok
33	AR1248CCC500	PO109256.D	30 Jan 2025 01:23	YP/AJ	Ok
34	AR1254CCC500	PO109257.D	30 Jan 2025 01:41	YP/AJ	Ok,M
35	I.BLK	PO109258.D	30 Jan 2025 01:59	YP/AJ	Ok
36	Q1209-01	PO109259.D	30 Jan 2025 02:18	YP/AJ	Ok,M
37	Q1209-05	PO109260.D	30 Jan 2025 02:36	YP/AJ	Ok
38	AR1660CCC500	PO109261.D	30 Jan 2025 03:51	YP/AJ	Ok,M
39	AR1242CCC500	PO109262.D	30 Jan 2025 04:09	YP/AJ	Ok
40	AR1248CCC500	PO109263.D	30 Jan 2025 04:28	YP/AJ	Ok
41	AR1254CCC500	PO109264.D	30 Jan 2025 04:46	YP/AJ	Ok,M
42	I.BLK	PO109265.D	30 Jan 2025 05:05	YP/AJ	Ok
43	Q1208-01	PO109266.D	30 Jan 2025 05:23	YP/AJ	Ok,M
44	AR1660CCC500	PO109267.D	30 Jan 2025 06:10	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012925

Review By	yogesh	Review On	1/30/2025 10:18:15 AM		
Supervise By	Ankita	Supervise On	1/30/2025 10:38:48 AM		
SubDirectory	PO012925	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	AR1242CCC500	PO109268.D	30 Jan 2025 06:28	YP/AJ	Ok
46	AR1248CCC500	PO109269.D	30 Jan 2025 06:46	YP/AJ	Ok
47	AR1254CCC500	PO109270.D	30 Jan 2025 07:04	YP/AJ	Ok,M
48	I.BLK	PO109271.D	30 Jan 2025 07:23	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO013025

Review By	yogesh	Review On	1/31/2025 8:29:05 AM		
Supervise By	Ankita	Supervise On	1/31/2025 11:10:51 AM		
SubDirectory	PO013025	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO109272.D	30 Jan 2025 09:01	YP/AJ	Ok
2	AR1660CCC500	PO109273.D	30 Jan 2025 09:19	YP/AJ	Ok,M
3	AR1242CCC500	PO109274.D	30 Jan 2025 09:37	YP/AJ	Ok
4	AR1248CCC500	PO109275.D	30 Jan 2025 09:56	YP/AJ	Ok
5	AR1254CCC500	PO109276.D	30 Jan 2025 10:14	YP/AJ	Ok
6	I.BLK	PO109277.D	30 Jan 2025 10:32	YP/AJ	Ok
7	PB166358BL	PO109278.D	30 Jan 2025 12:30	YP/AJ	Ok
8	PB166358BS	PO109279.D	30 Jan 2025 12:48	YP/AJ	Ok,M
9	Q1215-03	PO109280.D	30 Jan 2025 13:06	YP/AJ	Ok,M
10	Q1215-07	PO109281.D	30 Jan 2025 13:25	YP/AJ	Ok,M
11	Q1216-03	PO109282.D	30 Jan 2025 13:43	YP/AJ	Ok,M
12	Q1216-07	PO109283.D	30 Jan 2025 14:01	YP/AJ	Ok,M
13	Q1216-11	PO109284.D	30 Jan 2025 14:20	YP/AJ	Ok,M
14	Q1216-15	PO109285.D	30 Jan 2025 14:38	YP/AJ	Ok,M
15	Q1216-19	PO109286.D	30 Jan 2025 14:56	YP/AJ	Ok,M
16	Q1218-01	PO109287.D	30 Jan 2025 15:15	YP/AJ	Ok,M
17	AR1660CCC500	PO109288.D	30 Jan 2025 17:19	YP/AJ	Ok,M
18	AR1242CCC500	PO109289.D	30 Jan 2025 17:37	YP/AJ	Ok
19	AR1248CCC500	PO109290.D	30 Jan 2025 17:55	YP/AJ	Ok,M
20	AR1254CCC500	PO109291.D	30 Jan 2025 18:14	YP/AJ	Ok
21	I.BLK	PO109292.D	30 Jan 2025 18:32	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO013025

Review By	yogesh	Review On	1/31/2025 8:29:05 AM		
Supervise By	Ankita	Supervise On	1/31/2025 11:10:51 AM		
SubDirectory	PO013025	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1219-01	PO109293.D	30 Jan 2025 18:50	YP/AJ	Ok,M
23	Q1220-01	PO109294.D	30 Jan 2025 19:37	YP/AJ	Ok,M
24	Q1220-01MS	PO109295.D	30 Jan 2025 19:55	YP/AJ	Ok,M
25	Q1220-01MSD	PO109296.D	30 Jan 2025 20:14	YP/AJ	Ok,M
26	Q1221-01	PO109297.D	30 Jan 2025 20:32	YP/AJ	Ok
27	PB166366BL	PO109298.D	30 Jan 2025 20:50	YP/AJ	Ok
28	PB166366BS	PO109299.D	30 Jan 2025 21:09	YP/AJ	Ok,M
29	PB166366BSD	PO109300.D	30 Jan 2025 21:27	YP/AJ	Ok,M
30	Q1194-08	PO109301.D	30 Jan 2025 21:45	YP/AJ	Ok
31	AR1660CCC500	PO109302.D	30 Jan 2025 22:32	YP/AJ	Ok,M
32	AR1242CCC500	PO109303.D	30 Jan 2025 22:50	YP/AJ	Ok
33	AR1248CCC500	PO109304.D	30 Jan 2025 23:09	YP/AJ	Ok,M
34	AR1254CCC500	PO109305.D	30 Jan 2025 23:27	YP/AJ	Ok
35	I.BLK	PO109306.D	30 Jan 2025 23:45	YP/AJ	Ok
36	PB166386BL	PO109307.D	31 Jan 2025 00:04	YP/AJ	Ok
37	PB166386BS	PO109308.D	31 Jan 2025 00:22	YP/AJ	Ok,M
38	Q1233-01	PO109309.D	31 Jan 2025 00:40	YP/AJ	Not Ok
39	Q1233-02	PO109310.D	31 Jan 2025 00:59	YP/AJ	Ok
40	AR1660CCC500	PO109311.D	31 Jan 2025 01:45	YP/AJ	Ok,M
41	AR1242CCC500	PO109312.D	31 Jan 2025 02:04	YP/AJ	Ok
42	AR1248CCC500	PO109313.D	31 Jan 2025 02:22	YP/AJ	Ok,M
43	AR1254CCC500	PO109314.D	31 Jan 2025 02:41	YP/AJ	Ok
44	I.BLK	PO109315.D	31 Jan 2025 02:59	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO013025

Review By	yogesh	Review On	1/31/2025 8:29:05 AM		
Supervise By	Ankita	Supervise On	1/31/2025 11:10:51 AM		
SubDirectory	PO013025	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012125

Review By	yogesh	Review On	1/22/2025 7:41:46 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:29:10 AM		
SubDirectory	PO012125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO108980.D	21 Jan 2025 16:59		YP/AJ	Ok
2	I.BLK	I.BLK	PO108981.D	21 Jan 2025 17:18		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO108982.D	21 Jan 2025 17:36		YP/AJ	Ok,M
4	AR1660ICC750	AR1660ICC750	PO108983.D	21 Jan 2025 17:54		YP/AJ	Ok,M
5	AR1660ICC500	AR1660ICC500	PO108984.D	21 Jan 2025 18:13		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO108985.D	21 Jan 2025 18:31		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO108986.D	21 Jan 2025 18:49		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO108987.D	21 Jan 2025 19:07		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO108988.D	21 Jan 2025 19:26		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO108989.D	21 Jan 2025 19:44		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO108990.D	21 Jan 2025 20:02		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO108991.D	21 Jan 2025 20:21		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO108992.D	21 Jan 2025 20:39		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO108993.D	21 Jan 2025 20:57		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO108994.D	21 Jan 2025 21:16		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO108995.D	21 Jan 2025 21:34		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO108996.D	21 Jan 2025 21:52		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO108997.D	21 Jan 2025 22:10		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012125

Review By	yogesh	Review On	1/22/2025 7:41:46 AM		
Supervise By	Ankita	Supervise On	1/22/2025 8:29:10 AM		
SubDirectory	PO012125	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO108998.D	21 Jan 2025 22:29		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO108999.D	21 Jan 2025 22:47		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO109000.D	21 Jan 2025 23:05		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO109001.D	21 Jan 2025 23:23		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO109002.D	21 Jan 2025 23:42		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO109003.D	22 Jan 2025 00:00		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO109004.D	22 Jan 2025 00:18		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO109005.D	22 Jan 2025 00:37		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO109006.D	22 Jan 2025 00:55		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO109007.D	22 Jan 2025 01:13		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO109008.D	22 Jan 2025 01:31		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO109009.D	22 Jan 2025 01:50		YP/AJ	Ok
31	PO012125ICV500	ICVPO012125	PO109010.D	22 Jan 2025 02:08		YP/AJ	Ok,M
32	AR1242ICV500	ICVPO012125	PO109011.D	22 Jan 2025 02:26		YP/AJ	Ok
33	AR1248ICV500	ICVPO012125	PO109012.D	22 Jan 2025 02:44		YP/AJ	Ok
34	AR1254ICV500	ICVPO012125	PO109013.D	22 Jan 2025 03:03		YP/AJ	Ok
35	AR1268ICV500	ICVPO012125	PO109014.D	22 Jan 2025 03:21		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012925

Review By	yogesh	Review On	1/30/2025 10:18:15 AM		
Supervise By	Ankita	Supervise On	1/30/2025 10:38:48 AM		
SubDirectory	PO012925	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	AR1660CCC500	AR1660CCC500	PO109224.D	29 Jan 2025 11:53		YP/AJ	Ok,M
2	AR1242CCC500	AR1242CCC500	PO109225.D	29 Jan 2025 12:11		YP/AJ	Ok
3	AR1248CCC500	AR1248CCC500	PO109226.D	29 Jan 2025 12:29		YP/AJ	Ok,M
4	AR1254CCC500	AR1254CCC500	PO109227.D	29 Jan 2025 12:47		YP/AJ	Ok
5	I.BLK	I.BLK	PO109228.D	29 Jan 2025 13:04		YP/AJ	Ok
6	PB166293BL	PB166293BL	PO109229.D	29 Jan 2025 13:21		YP/AJ	Ok
7	PB166293BS	PB166293BS	PO109230.D	29 Jan 2025 13:40		YP/AJ	Ok,M
8	Q1194-01	B-110-SB01	PO109231.D	29 Jan 2025 13:58		YP/AJ	Ok
9	Q1194-02	B-110-SB02	PO109232.D	29 Jan 2025 14:15		YP/AJ	Ok
10	Q1194-03	B-113-SB01	PO109233.D	29 Jan 2025 14:34		YP/AJ	Ok,M
11	Q1194-03MS	B-113-SB01MS	PO109234.D	29 Jan 2025 14:51		YP/AJ	Ok,M
12	Q1194-03MSD	B-113-SB01MSD	PO109235.D	29 Jan 2025 15:08		YP/AJ	Ok,M
13	Q1194-04	B-113-SB02	PO109236.D	29 Jan 2025 15:27		YP/AJ	Ok,M
14	PB166333BL	PB166333BL	PO109237.D	29 Jan 2025 15:45		YP/AJ	Ok
15	PB166333BS	PB166333BS	PO109238.D	29 Jan 2025 16:02		YP/AJ	Ok,M
16	AR1660CCC500	AR1660CCC500	PO109239.D	29 Jan 2025 16:49		YP/AJ	Ok,M
17	AR1242CCC500	AR1242CCC500	PO109240.D	29 Jan 2025 17:08		YP/AJ	Ok
18	AR1248CCC500	AR1248CCC500	PO109241.D	29 Jan 2025 17:25		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012925

Review By	yogesh	Review On	1/30/2025 10:18:15 AM		
Supervise By	Ankita	Supervise On	1/30/2025 10:38:48 AM		
SubDirectory	PO012925	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1254CCC500	AR1254CCC500	PO109242.D	29 Jan 2025 17:43		YP/AJ	Ok
20	I.BLK	I.BLK	PO109243.D	29 Jan 2025 18:02		YP/AJ	Ok
21	Q1205-01	VNJ-236	PO109244.D	29 Jan 2025 18:20	AR1260 Hit	YP/AJ	Ok,M
22	Q1205-01MS	VNJ-236MS	PO109245.D	29 Jan 2025 18:37		YP/AJ	Ok,M
23	Q1205-01MSD	VNJ-236MSD	PO109246.D	29 Jan 2025 18:55		YP/AJ	Ok,M
24	Q1206-03	JPP-20.1-012725	PO109247.D	29 Jan 2025 19:13		YP/AJ	Ok,M
25	Q1206-07	JPP-16.3-012725	PO109248.D	29 Jan 2025 19:31	AR1254 + AR1260 Hit	YP/AJ	Ok,M
26	Q1207-03	JPP-2.1-012725	PO109249.D	29 Jan 2025 19:49	AR1260 Hit	YP/AJ	Ok,M
27	Q1207-07	JPP-5.1-012725	PO109250.D	29 Jan 2025 20:07	AR1260 Hit	YP/AJ	Ok,M
28	Q1207-11	JPP-4.5-012725	PO109251.D	29 Jan 2025 20:26		YP/AJ	Ok,M
29	Q1207-15	JPP-16.2-012725	PO109252.D	29 Jan 2025 20:44	AR1260 Hit	YP/AJ	Ok,M
30	Q1207-19	JPP-20.2-012725	PO109253.D	29 Jan 2025 21:01	AR1260 Hit	YP/AJ	Ok,M
31	AR1660CCC500	AR1660CCC500	PO109254.D	30 Jan 2025 00:46		YP/AJ	Ok,M
32	AR1242CCC500	AR1242CCC500	PO109255.D	30 Jan 2025 01:04		YP/AJ	Ok
33	AR1248CCC500	AR1248CCC500	PO109256.D	30 Jan 2025 01:23		YP/AJ	Ok
34	AR1254CCC500	AR1254CCC500	PO109257.D	30 Jan 2025 01:41		YP/AJ	Ok,M
35	I.BLK	I.BLK	PO109258.D	30 Jan 2025 01:59		YP/AJ	Ok
36	Q1209-01	WC-4	PO109259.D	30 Jan 2025 02:18		YP/AJ	Ok,M
37	Q1209-05	WC-5	PO109260.D	30 Jan 2025 02:36		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012925

Review By	yogesh	Review On	1/30/2025 10:18:15 AM		
Supervise By	Ankita	Supervise On	1/30/2025 10:38:48 AM		
SubDirectory	PO012925	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	AR1660CCC500	AR1660CCC500	PO109261.D	30 Jan 2025 03:51		YP/AJ	Ok,M
39	AR1242CCC500	AR1242CCC500	PO109262.D	30 Jan 2025 04:09		YP/AJ	Ok
40	AR1248CCC500	AR1248CCC500	PO109263.D	30 Jan 2025 04:28		YP/AJ	Ok
41	AR1254CCC500	AR1254CCC500	PO109264.D	30 Jan 2025 04:46		YP/AJ	Ok,M
42	I.BLK	I.BLK	PO109265.D	30 Jan 2025 05:05		YP/AJ	Ok
43	Q1208-01	60304	PO109266.D	30 Jan 2025 05:23	DCB high in 1st column	YP/AJ	Ok,M
44	AR1660CCC500	AR1660CCC500	PO109267.D	30 Jan 2025 06:10		YP/AJ	Ok,M
45	AR1242CCC500	AR1242CCC500	PO109268.D	30 Jan 2025 06:28		YP/AJ	Ok
46	AR1248CCC500	AR1248CCC500	PO109269.D	30 Jan 2025 06:46		YP/AJ	Ok
47	AR1254CCC500	AR1254CCC500	PO109270.D	30 Jan 2025 07:04		YP/AJ	Ok,M
48	I.BLK	I.BLK	PO109271.D	30 Jan 2025 07:23		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO013025

Review By	yogesh	Review On	1/31/2025 8:29:05 AM		
Supervise By	Ankita	Supervise On	1/31/2025 11:10:51 AM		
SubDirectory	PO013025	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO109272.D	30 Jan 2025 09:01		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO109273.D	30 Jan 2025 09:19		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO109274.D	30 Jan 2025 09:37		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO109275.D	30 Jan 2025 09:56		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO109276.D	30 Jan 2025 10:14		YP/AJ	Ok
6	I.BLK	I.BLK	PO109277.D	30 Jan 2025 10:32		YP/AJ	Ok
7	PB166358BL	PB166358BL	PO109278.D	30 Jan 2025 12:30		YP/AJ	Ok
8	PB166358BS	PB166358BS	PO109279.D	30 Jan 2025 12:48		YP/AJ	Ok,M
9	Q1215-03	JPP-29.1-012825	PO109280.D	30 Jan 2025 13:06		YP/AJ	Ok,M
10	Q1215-07	JPP-29.2-012825	PO109281.D	30 Jan 2025 13:25	AR1260 Hit	YP/AJ	Ok,M
11	Q1216-03	JPP-18.1-012825	PO109282.D	30 Jan 2025 13:43	AR1260 Hit	YP/AJ	Ok,M
12	Q1216-07	JPP-21.1-012825	PO109283.D	30 Jan 2025 14:01	AR1260 Hit	YP/AJ	Ok,M
13	Q1216-11	JPP-21.2-012825	PO109284.D	30 Jan 2025 14:20	AR1260 Hit	YP/AJ	Ok,M
14	Q1216-15	JPP-26.1-012825	PO109285.D	30 Jan 2025 14:38		YP/AJ	Ok,M
15	Q1216-19	JPP-26.2-012825	PO109286.D	30 Jan 2025 14:56	AR1260 Hit	YP/AJ	Ok,M
16	Q1218-01	BELL-25-002	PO109287.D	30 Jan 2025 15:15		YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO109288.D	30 Jan 2025 17:19	DCB low in 1st column	YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO109289.D	30 Jan 2025 17:37		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO013025

Review By	yogesh	Review On	1/31/2025 8:29:05 AM		
Supervise By	Ankita	Supervise On	1/31/2025 11:10:51 AM		
SubDirectory	PO013025	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PO109290.D	30 Jan 2025 17:55		YP/AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PO109291.D	30 Jan 2025 18:14		YP/AJ	Ok
21	I.BLK	I.BLK	PO109292.D	30 Jan 2025 18:32		YP/AJ	Ok
22	Q1219-01	LAW-25-0015	PO109293.D	30 Jan 2025 18:50		YP/AJ	Ok,M
23	Q1220-01	TR-06-01292025	PO109294.D	30 Jan 2025 19:37		YP/AJ	Ok,M
24	Q1220-01MS	TR-06-01292025MS	PO109295.D	30 Jan 2025 19:55		YP/AJ	Ok,M
25	Q1220-01MSD	TR-06-01292025MSD	PO109296.D	30 Jan 2025 20:14		YP/AJ	Ok,M
26	Q1221-01	CHESTNUT-CONCRET	PO109297.D	30 Jan 2025 20:32		YP/AJ	Ok
27	PB166366BL	PB166366BL	PO109298.D	30 Jan 2025 20:50		YP/AJ	Ok
28	PB166366BS	PB166366BS	PO109299.D	30 Jan 2025 21:09		YP/AJ	Ok,M
29	PB166366BSD	PB166366BSD	PO109300.D	30 Jan 2025 21:27		YP/AJ	Ok,M
30	Q1194-08	EB	PO109301.D	30 Jan 2025 21:45		YP/AJ	Ok
31	AR1660CCC500	AR1660CCC500	PO109302.D	30 Jan 2025 22:32	AR1260-04,05 Low in 1st column , DCB low in 1st column	YP/AJ	Ok,M
32	AR1242CCC500	AR1242CCC500	PO109303.D	30 Jan 2025 22:50		YP/AJ	Ok
33	AR1248CCC500	AR1248CCC500	PO109304.D	30 Jan 2025 23:09		YP/AJ	Ok,M
34	AR1254CCC500	AR1254CCC500	PO109305.D	30 Jan 2025 23:27		YP/AJ	Ok
35	I.BLK	I.BLK	PO109306.D	30 Jan 2025 23:45		YP/AJ	Ok
36	PB166386BL	PB166386BL	PO109307.D	31 Jan 2025 00:04		YP/AJ	Ok
37	PB166386BS	PB166386BS	PO109308.D	31 Jan 2025 00:22		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO013025

Review By	yogesh	Review On	1/31/2025 8:29:05 AM		
Supervise By	Ankita	Supervise On	1/31/2025 11:10:51 AM		
SubDirectory	PO013025	HP Acquire Method		HP Processing Method	PO012125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q1233-01	WIPE-1	PO109309.D	31 Jan 2025 00:40	wrong vial injection	YP/AJ	Not Ok
39	Q1233-02	WIPE-2	PO109310.D	31 Jan 2025 00:59		YP/AJ	Ok
40	AR1660CCC500	AR1660CCC500	PO109311.D	31 Jan 2025 01:45		YP/AJ	Ok,M
41	AR1242CCC500	AR1242CCC500	PO109312.D	31 Jan 2025 02:04		YP/AJ	Ok
42	AR1248CCC500	AR1248CCC500	PO109313.D	31 Jan 2025 02:22		YP/AJ	Ok,M
43	AR1254CCC500	AR1254CCC500	PO109314.D	31 Jan 2025 02:41		YP/AJ	Ok
44	I.BLK	I.BLK	PO109315.D	31 Jan 2025 02:59		YP/AJ	Ok

M : Manual Integration

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EXTRACTION LOGPAGE

PB166293

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	01/28/2025
Matrix :	Solid			**Extraction Start Time :**	09:10
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	01/28/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:10
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Surrogate	1.0ML	200 PPB	PP24123
Spike Sol 1	1.0ML	5000 PPB	PP24093
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2579
Baked Na2SO4	N/A	EP2580
Sand	N/A	E2865
Hexane	N/A	E3868
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/28/25	RP (Ext. Lab)	AJ (PS) PM Lab
12:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166293

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 01/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166293BL	ABLK293	PCB	30.01	N/A	ritesh	Evelyn	10			U7-1
PB166293BS	ALCS293	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q1194-01	B-110-SB01	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q1194-02	B-110-SB02	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q1194-03	B-113-SB01	PCB	30.08	N/A	ritesh	Evelyn	10	E		5
Q1194-03MS	B-113-SB01MS	PCB	30.05	N/A	ritesh	Evelyn	10	E		6
Q1194-03MSD	B-113-SB01MSD	PCB	30.03	N/A	ritesh	Evelyn	10	E		U6-1
Q1194-04	B-113-SB02	PCB	30.06	N/A	ritesh	Evelyn	10	E		2

* **Extracts relinguished on the same date as received.**

0623
9:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1194P **WorkList ID :** 187200 **Department :** Extraction **Date :** 01-28-2025 08:31:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1194-01	B-110-SB01	Solid	PCB	Cool 4 deg C	PORT06	N41	01/25/2025	8082A
Q1194-02	B-110-SB02	Solid	PCB	Cool 4 deg C	PORT06	N41	01/25/2025	8082A
Q1194-03	B-113-SB01	Solid	PCB	Cool 4 deg C	PORT06	N41	01/25/2025	8082A
Q1194-04	B-113-SB02	Solid	PCB	Cool 4 deg C	PORT06	N41	01/25/2025	8082A

Date/Time 01/28/25 9:05
Raw Sample Received by: RJ (EOL Lab)
Raw Sample Relinquished by: JD (SM)

Date/Time 01/28/25 9:30
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RJ (EOL Lab)

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EXTRACTION LOGPAGE

PB166366

SOP ID:	M3510C,3580A-Extraction PCB-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	01/30/2025
Matrix :	Water			**Extraction Start Time :**	08:45
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	01/30/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	13:40
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	E3574	**Hood ID:**	4,5,6,7	**Supervisor By :**	rajesh

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24093
Surrogate	1.0ML	200 PPB	PP24123
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3871
Baked Na2SO4	N/A	EP2580
Hexane	N/A	E3872
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. Q1194-01 Limited volume recd.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/30/25	RP (Ext Lab)	Y.P.pest lab.
13:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166366

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 01/30/2025

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166366BL	ABLK366	PCB	1000	6	RUPESH	rajesh	10			SEP-01
PB166366BS	ALCS366	PCB	1000	6	RUPESH	rajesh	10			2
PB166366BSD	ALCSD366	PCB	1000	6	RUPESH	rajesh	10			3
Q1194-08	EB	PCB	500	6	RUPESH	rajesh	5	D		4

1/30/25

* **Extracts relinguished on the same date as received.**

166366 PCB 8:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1211D **WorkList ID :** 187279 **Department :** Extraction **Date :** 01-30-2025 08:12:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1194-08	EB	Water	PCB	Cool 4 deg C	PORT06	N41	01/25/2025	8082A
Q1211-01	TPHHA-MW01-012825-00-T4	Water	Diesel Range Organics	Cool 4 deg C	WEST04	N31	01/28/2025	8015D
Q1211-01	TPHHA-MW01-012825-00-T4	Water	PESTICIDE Group1	Cool 4 deg C	WEST04	N31	01/28/2025	8081B
Q1211-02	TAPIAL2-MW03-012825-00-T3	Water	Diesel Range Organics	Cool 4 deg C	WEST04	N31	01/28/2025	8015D
Q1211-02	TAPIAL2-MW03-012825-00-T3	Water	PESTICIDE Group1	Cool 4 deg C	WEST04	N31	01/28/2025	8081B

Date/Time 01/30/25 8:40
Raw Sample Received by: RS (Set Lab)
Raw Sample Relinquished by: JDCSm

Date/Time 01/30/25 9:00
Raw Sample Received by: JDCSm
Raw Sample Relinquished by: RS (Set Lab)

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LAB CHRONICLE

OrderID:	Q1194	**OrderDate:**	1/27/2025 9:35:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	N41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1194-01	**B-110-SB01**	**SOIL**			**01/25/25**			**01/27/25**
			PCB	8082A		01/28/25	01/29/25	
			EPH	NJEPH		01/28/25	01/28/25	
Q1194-02	**B-110-SB02**	**SOIL**			**01/25/25**			**01/27/25**
			PCB	8082A		01/28/25	01/29/25	
			EPH	NJEPH		01/28/25	01/28/25	
			EPH	NJEPH		01/28/25	01/29/25	
Q1194-03	**B-113-SB01**	**SOIL**			**01/25/25**			**01/27/25**
			PCB	8082A		01/28/25	01/29/25	
			EPH	NJEPH		01/28/25	01/28/25	
Q1194-04	**B-113-SB02**	**SOIL**			**01/25/25**			**01/27/25**
			PCB	8082A		01/28/25	01/29/25	
			EPH	NJEPH		01/28/25	01/28/25	
Q1194-08	**EB**	**WATER**			**01/25/25**			**01/27/25**
			PCB	8082A		01/30/25	01/30/25	
			EPH	NJEPH		01/28/25	01/28/25	

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:30	01/28/25 18:43	PB166218

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	1	0.43	1.13	mg/kg	FG015189.D
Aliphatic C12-C16	Aliphatic C12-C16	0.55	J	1	0.27	0.75	mg/kg	FG015189.D
Aliphatic C16-C21	Aliphatic C16-C21	0.34	U	1	0.34	1.13	mg/kg	FG015189.D
Aliphatic C21-C28	Aliphatic C21-C28	0.90	U	1	0.90	1.51	mg/kg	FG015189.D
Aliphatic C28-C40	Aliphatic C28-C40	2.03	U	1	2.03	2.26	mg/kg	FG015189.D
Aromatic C10-C12	Aromatic C10-C12	0.34	U	1	0.34	0.75	mg/kg	FF015332.D
Aromatic C12-C16	Aromatic C12-C16	0.38	U	1	0.38	1.13	mg/kg	FF015332.D
Aromatic C16-C21	Aromatic C16-C21	1.53	J	1	1.08	1.88	mg/kg	FF015332.D
Aromatic C21-C36	Aromatic C21-C36	2.26	U	1	2.26	3.01	mg/kg	FF015332.D
Total AliphaticEPH	Total AliphaticEPH	3.97	U		3.97	6.78	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.06	U		4.06	6.77	mg/kg	
Total EPH	Total EPH	8.04	U		8.04	13.6	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015332.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.34	U	0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.38	U	0.38	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.53	J	1.08	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.26	U	2.26	3.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.3		40 - 140	95%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	43.8		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1194-01	Acq On:	28 Jan 2025 18:43
Client Sample ID:	B-110-SB01	Operator:	YP\AJ
Data file:	FF015332.D	Misc:	
Instrument:	FID_F	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	298773	1.863	200	ug/ml
Aromatic C12-C16	6.356	9.053	542058	3.381	300	ug/ml
Aromatic C16-C21	9.054	13.372	3185348	20.33	500	ug/ml
Aromatic C21-C36	13.373	18.824	1322499	9.083	800	ug/ml
Aromatic EPH	4.485	18.824	5348678	34.657		ug/ml
2-Bromonaphthalene (SURR)	7.992	7.992	6244647	47.31		ug/ml
2-Flurobiphenyl (SURR)	8.864	8.864	3695410	43.78		ug/ml
ortho-Terphenyl (SURR)	11.929	11.929	5690388	33.06		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015189.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.43	U	0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.55	J	0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.34	U	0.34	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.90	U	0.90	1.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.03	U	2.03	2.26	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		45.3		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1194-01	Acq On:	28 Jan 2025 18:43
Client Sample ID:	B-110-SB01	Operator:	YP\AJ
Data file:	FG015189.D	Misc:	
Instrument:	FID_G	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.178	6.820	310202	2.334	300	ug/ml
Aliphatic C12-C16	6.821	10.273	1029312	7.289	200	ug/ml
Aliphatic C16-C21	10.274	13.656	509558	3.526	300	ug/ml
Aliphatic C21-C28	13.657	17.330	426160	3.117	400	ug/ml
Aliphatic C28-C40	17.331	22.272	1393341	13.196	600	ug/ml
Aliphatic EPH	3.178	22.272	3668573	29.462		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	5519886	45.33		ug/ml
Aliphatic C9-C28	3.178	17.330	2275232	16.266	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	57
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:30	01/28/25 20:37	PB166218

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.67	U	1	0.67	1.75	mg/kg	FG015193.D
Aliphatic C12-C16	Aliphatic C12-C16	0.63	J	1	0.42	1.17	mg/kg	FG015193.D
Aliphatic C16-C21	Aliphatic C16-C21	2.71		1	0.53	1.75	mg/kg	FG015193.D
Aliphatic C21-C28	Aliphatic C21-C28	1.40	U	1	1.40	2.34	mg/kg	FG015193.D
Aliphatic C28-C40	Aliphatic C28-C40	3.15	U	1	3.15	3.51	mg/kg	FG015193.D
Aromatic C10-C12	Aromatic C10-C12	0.53	U	1	0.53	1.17	mg/kg	FF015353.D
Aromatic C12-C16	Aromatic C12-C16	3.47		1	0.60	1.75	mg/kg	FF015353.D
Aromatic C16-C21	Aromatic C16-C21	5.28		1	1.68	2.92	mg/kg	FF015353.D
Aromatic C21-C36	Aromatic C21-C36	3.51	U	1	3.51	4.67	mg/kg	FF015353.D
Total AliphaticEPH	Total AliphaticEPH	6.16	U		6.16	10.5	mg/kg	
Total AromaticEPH	Total AromaticEPH	8.75	J		6.31	10.5	mg/kg	
Total EPH	Total EPH	12.5	U		12.5	21.0	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	57
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015353.D	1	01/28/25	01/29/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.53	U	0.53	1.17	mg/kg
Aromatic C12-C16	Aromatic C12-C16	3.47		0.60	1.75	mg/kg
Aromatic C16-C21	Aromatic C16-C21	5.28		1.68	2.92	mg/kg
Aromatic C21-C36	Aromatic C21-C36	3.51	U	3.51	4.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.6		40 - 140	95%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	48.2		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.3		40 - 140	52%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1194-02	Acq On:	29 Jan 2025 09:48
Client Sample ID:	B-110-SB02	Operator:	YP\AJ
Data file:	FF015353.D	Misc:	
Instrument:	FID_F	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.500	6.368	279813	1.745	200	ug/ml
Aromatic C12-C16	6.369	9.062	4757063	29.671	300	ug/ml
Aromatic C16-C21	9.063	13.376	7074773	45.153	500	ug/ml
Aromatic C21-C36	13.377	18.826	3842752	26.394	800	ug/ml
Aromatic EPH	4.500	18.826	15954401	102.962		ug/ml
2-Bromonaphthalene (SURR)	7.989	7.989	6282099	47.59		ug/ml
2-Flurobiphenyl (SURR)	8.862	8.862	4067153	48.18		ug/ml
ortho-Terphenyl (SURR)	11.927	11.927	4518606	26.25		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	57
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015193.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.67	U	0.67	1.75	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.63	J	0.42	1.17	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	2.71		0.53	1.75	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.40	U	1.40	2.34	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.15	U	3.15	3.51	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.8		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1194-02	Acq On:	28 Jan 2025 20:37
Client Sample ID:	B-110-SB02	Operator:	YP\AJ
Data file:	FG015193.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.178	6.820	456780	3.437	300	ug/ml
Aliphatic C12-C16	6.821	10.273	758533	5.372	200	ug/ml
Aliphatic C16-C21	10.274	13.656	3351528	23.191	300	ug/ml
Aliphatic C21-C28	13.657	17.330	1053447	7.706	400	ug/ml
Aliphatic C28-C40	17.331	22.272	2416949	22.89	600	ug/ml
Aliphatic EPH	3.178	22.272	8037237	62.596		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.384	13.384	2781205	22.84		ug/ml
Aliphatic C9-C28	3.178	17.330	5620288	39.706	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:30	01/28/25 21:05	PB166218

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	1	0.44	1.15	mg/kg	FG015194.D
Aliphatic C12-C16	Aliphatic C12-C16	0.56	J	1	0.28	0.77	mg/kg	FG015194.D
Aliphatic C16-C21	Aliphatic C16-C21	2.78		1	0.35	1.15	mg/kg	FG015194.D
Aliphatic C21-C28	Aliphatic C21-C28	0.92	U	1	0.92	1.53	mg/kg	FG015194.D
Aliphatic C28-C40	Aliphatic C28-C40	2.07	U	1	2.07	2.30	mg/kg	FG015194.D
Aromatic C10-C12	Aromatic C10-C12	0.35	U	1	0.35	0.77	mg/kg	FF015337.D
Aromatic C12-C16	Aromatic C12-C16	0.39	J	1	0.39	1.15	mg/kg	FF015337.D
Aromatic C16-C21	Aromatic C16-C21	2.48		1	1.10	1.91	mg/kg	FF015337.D
Aromatic C21-C36	Aromatic C21-C36	2.30	U	1	2.30	3.06	mg/kg	FF015337.D
Total AliphaticEPH	Total AliphaticEPH	4.05	U		4.05	6.90	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.13	U		4.13	6.89	mg/kg	
Total EPH	Total EPH	8.18	U		8.18	13.8	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015337.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		0.35	U	0.35	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16		0.39	J	0.39	1.15	mg/kg
Aromatic C16-C21	Aromatic C16-C21		2.48		1.10	1.91	mg/kg
Aromatic C21-C36	Aromatic C21-C36		2.30	U	2.30	3.06	mg/kg
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		57.1		40 - 140	114%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		56.2		40 - 140	112%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		44.7		40 - 140	89%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1194-03	Acq On:	28 Jan 2025 21:05
Client Sample ID:	B-113-SB01	Operator:	YP\AJ
Data file:	FF015337.D	Misc:	
Instrument:	FID_F	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	354941	2.213	200	ug/ml
Aromatic C12-C16	6.356	9.053	818900	5.108	300	ug/ml
Aromatic C16-C21	9.054	13.372	5066389	32.335	500	ug/ml
Aromatic C21-C36	13.373	18.824	2941766	20.205	800	ug/ml
Aromatic EPH	4.485	18.824	9181996	59.861		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	7533896	57.07		ug/ml
2-Flurobiphenyl (SURR)	8.866	8.866	4747058	56.24		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	7699111	44.72		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015194.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.44	U	0.44	1.15	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.56	J	0.28	0.77	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		2.78		0.35	1.15	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.92	U	0.92	1.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.07	U	2.07	2.30	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		37.8		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1194-03	Acq On:	28 Jan 2025 21:05
Client Sample ID:	B-113-SB01	Operator:	YP\AJ
Data file:	FG015194.D	Misc:	
Instrument:	FID_G	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.178	6.820	414680	3.121	300	ug/ml
Aliphatic C12-C16	6.821	10.273	1038349	7.353	200	ug/ml
Aliphatic C16-C21	10.274	13.656	5241753	36.27	300	ug/ml
Aliphatic C21-C28	13.657	17.330	604974	4.425	400	ug/ml
Aliphatic C28-C40	17.331	22.272	1486162	14.075	600	ug/ml
Aliphatic EPH	3.178	22.272	8785918	65.244		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	4607301	37.84		ug/ml
Aliphatic C9-C28	3.178	17.330	7299756	51.169	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	64.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:30	01/28/25 21:34	PB166218

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.59	U	1	0.59	1.54	mg/kg	FG015195.D
Aliphatic C12-C16	Aliphatic C12-C16	1.16		1	0.37	1.03	mg/kg	FG015195.D
Aliphatic C16-C21	Aliphatic C16-C21	3.92		1	0.46	1.54	mg/kg	FG015195.D
Aliphatic C21-C28	Aliphatic C21-C28	1.24	U	1	1.24	2.06	mg/kg	FG015195.D
Aliphatic C28-C40	Aliphatic C28-C40	2.78	U	1	2.78	3.09	mg/kg	FG015195.D
Aromatic C10-C12	Aromatic C10-C12	0.46	U	1	0.46	1.03	mg/kg	FF015338.D
Aromatic C12-C16	Aromatic C12-C16	0.53	U	1	0.53	1.54	mg/kg	FF015338.D
Aromatic C16-C21	Aromatic C16-C21	2.61		1	1.48	2.57	mg/kg	FF015338.D
Aromatic C21-C36	Aromatic C21-C36	3.09	U	1	3.09	4.12	mg/kg	FF015338.D
Total AliphaticEPH	Total AliphaticEPH	5.44	U		5.44	9.26	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.56	U		5.56	9.26	mg/kg	
Total EPH	Total EPH	11.0	U		11.0	18.5	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	64.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015338.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		0.46	U	0.46	1.03	mg/kg
Aromatic C12-C16	Aromatic C12-C16		0.53	U	0.53	1.54	mg/kg
Aromatic C16-C21	Aromatic C16-C21		2.61		1.48	2.57	mg/kg
Aromatic C21-C36	Aromatic C21-C36		3.09	U	3.09	4.12	mg/kg
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		57.8		40 - 140	116%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		52.6		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		40.0		40 - 140	80%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1194-04	Acq On:	28 Jan 2025 21:34
Client Sample ID:	B-113-SB02	Operator:	YP\AJ
Data file:	FF015338.D	Misc:	
Instrument:	FID_F	ALS Vial:	75
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	428014	2.669	200	ug/ml
Aromatic C12-C16	6.356	9.053	699287	4.362	300	ug/ml
Aromatic C16-C21	9.054	13.372	3971986	25.35	500	ug/ml
Aromatic C21-C36	13.373	18.824	2039868	14.011	800	ug/ml
Aromatic EPH	4.485	18.824	7139155	46.391		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	7626767	57.78		ug/ml
2-Flurobiphenyl (SURR)	8.865	8.865	4437221	52.57		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	6884877	40		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	64.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015195.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.59	U	0.59	1.54	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1.16		0.37	1.03	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		3.92		0.46	1.54	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		1.24	U	1.24	2.06	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.78	U	2.78	3.09	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.2		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1194-04	Acq On:	28 Jan 2025 21:34
Client Sample ID:	B-113-SB02	Operator:	YP\AJ
Data file:	FG015195.D	Misc:	
Instrument:	FID_G	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.178	6.820	541334	4.074	300	ug/ml
Aliphatic C12-C16	6.821	10.273	1587621	11.243	200	ug/ml
Aliphatic C16-C21	10.274	13.656	5497421	38.04	300	ug/ml
Aliphatic C21-C28	13.657	17.330	725670	5.308	400	ug/ml
Aliphatic C28-C40	17.331	22.272	1458076	13.809	600	ug/ml
Aliphatic EPH	3.178	22.272	9810122	72.473		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	4656324	38.24		ug/ml
Aliphatic C9-C28	3.178	17.330	8352046	58.665	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:31	01/28/25 19:20	PB166219

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.76	U	1	5.76	30.0	ug/l	FC068139.D
Aliphatic C12-C16	Aliphatic C12-C16	4.94	J	1	3.61	20.0	ug/l	FC068139.D
Aliphatic C16-C21	Aliphatic C16-C21	5.14	U	1	5.14	30.0	ug/l	FC068139.D
Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	1	8.97	40.0	ug/l	FC068139.D
Aliphatic C28-C40	Aliphatic C28-C40	17.0	U	1	17.0	60.0	ug/l	FC068139.D
Aromatic C10-C12	Aromatic C10-C12	3.32	U	1	3.32	20.0	ug/l	FD048973.D
Aromatic C12-C16	Aromatic C12-C16	3.69	U	1	3.69	30.0	ug/l	FD048973.D
Aromatic C16-C21	Aromatic C16-C21	12.7	U	1	12.7	50.0	ug/l	FD048973.D
Aromatic C21-C36	Aromatic C21-C36	25.2	U	1	25.2	80.0	ug/l	FD048973.D
Total AliphaticEPH	Total AliphaticEPH	40.5	U		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	44.9	U		44.9	180	ug/l	
Total EPH	Total EPH	85.4	U		85.4	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068139.D	1	01/28/25	01/28/25	PB166219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.76	U	5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	4.94	J	3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	5.14	U	5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	17.0	U	17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1194-08	Acq On:	28 Jan 2025 19:20
Client Sample ID:	EB	Operator:	YP/AJ
Data file:	FC068139.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.129	6.397	0	0	300	ug/ml
Aliphatic C12-C16	6.398	9.782	340191	2.47	200	ug/ml
Aliphatic C16-C21	9.783	13.137	0	0	300	ug/ml
Aliphatic C21-C28	13.138	16.791	0	0	400	ug/ml
Aliphatic C28-C40	16.792	21.605	0	0	600	ug/ml
Aliphatic EPH	3.129	21.605	340191	2.47		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.867	12.867	3706435	32.23		ug/ml
Aliphatic C9-C28	3.129	16.791	340191	2.47	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	01/25/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	01/27/25	
Client Sample ID:	EB		SDG No.:	Q1194	
Lab Sample ID:	Q1194-08		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048973.D	1	01/28/25	01/28/25	PB166219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.32	U	3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	3.69	U	3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	12.7	U	12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	25.2	U	25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.8		40 - 140	104%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	50.4		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.5		40 - 140	97%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1194-08	Acq On:	28 Jan 2025 19:20
Client Sample ID:	EB	Operator:	YP/AJ
Data file:	FD048973.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.075	5.794	44341	0.286	200	ug/ml
Aromatic C12-C16	5.795	8.400	0	0	300	ug/ml
Aromatic C16-C21	8.401	12.666	692413	4.477	500	ug/ml
Aromatic C21-C36	12.667	18.077	1353832	9.5	800	ug/ml
Aromatic EPH	4.075	18.077	2090586	14.263		ug/ml
2-Bromonaphthalene (SURR)	7.357	7.357	7373549	51.81		ug/ml
2-Flurobiphenyl (SURR)	8.208	8.208	4290320	50.42		ug/ml
ortho-Terphenyl (SURR)	11.243	11.243	7981634	48.53		ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Run Number: FC012825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB166219BL	73			0
PB166219BS	79			0
PB166219BSD	77			0
EB	64			0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Run Number: FD012825AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB166219BL	107	108	90	0
PB166219BS	114	122	96	0
PB166219BSD	116	124	98	0
EB	104	101	97	0

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Run Number: FF012825AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB166218BL	111	108	82	0
PB166218BS	123	109	93	0
PB166218BSD	135	119	101	0
B-110-SB01	95	88	66	0
B-110-SB01MS	108	109	70	0
B-110-SB01MSD	110	111	72	0
B-113-SB01	114	112	89	0
B-113-SB02	116	105	80	0

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Run Number: FF012925AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
B-110-SB02	95	96	52	0

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Run Number: FG012825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB166218BL	70			0
PB166218BS	91			0
PB166218BSD	101			0
B-110-SB01	91			0
B-110-SB01MS	80			0
B-110-SB01MSD	78			0
B-110-SB02	46			0
B-113-SB01	76			0
B-113-SB02	76			0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194

Sample No : Q1194-01MS **Datafile:** FF015334.D

Client ID : B-110-SB01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.5	0	6.80	90		(40-140)
Aromatic C12-C16	11.3	0	14.3	126		(40-140)
Aromatic C16-C21	18.8	1.53	25.6	127		(40-140)
Aromatic C21-C36	30.1	0	32.6	108		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194

Sample No : Q1194-01MSD **Datafile:** FF015335.D

Client ID : B-110-SB01MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	7.5	0	6.92	92		1.65 |	(40-140)	25
Aromatic C12-C16	11.3	0	15.8	139		9.81 |	(40-140)	25
Aromatic C16-C21	18.8	1.53	23.1	114		10.8 |	(40-140)	25
Aromatic C21-C36	30.1	0	33.4	110		1.83 |	(40-140)	25

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194

Sample No : Q1194-01MS **Datafile:** FG015191.D

Client ID : B-110-SB01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	11.3	0	8.38	74		(40-140)
Aliphatic C12-C16	7.5	0.55	7.50	92		(40-140)
Aliphatic C16-C21	11.3	0	11.2	99		(40-140)
Aliphatic C21-C28	15.1	0	14.6	97		(40-140)
Aliphatic C28-C40	22.6	0	24.3	107		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194

Sample No : Q1194-01MSD **Datafile:** FG015192.D

Client ID : B-110-SB01MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	11.3	0	8.23	73		1.9 |	(40-140)	25
Aliphatic C12-C16	7.5	0.55	7.39	91		1.64 |	(40-140)	25
Aliphatic C16-C21	11.3	0	11.1	98		1.01 |	(40-140)	25
Aliphatic C21-C28	15.1	0	14.5	96		0.73 |	(40-140)	25
Aliphatic C28-C40	22.6	0	24.5	108		0.93 |	(40-140)	25

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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194

Sample No : PB166219BS **Datafile:** FC068134.D

Client ID : PB166219BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aliphatic C9-C12	300	194	65		(40-140)
Aliphatic C12-C16	200	175	88		(40-140)
Aliphatic C16-C21	300	292	97		(40-140)
Aliphatic C21-C28	400	391	98		(40-140)
Aliphatic C28-C40	600	644	107		(40-140)

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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194

Sample No : PB166219BSD **Datafile:** FC068135.D

Client ID : PB166219BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD | QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	300	193	64		0.568| (40-140)	50
Aliphatic C12-C16	200	177	88		1.1| (40-140)	50
Aliphatic C16-C21	300	297	99		1.7| (40-140)	50
Aliphatic C21-C28	400	396	99		1.2| (40-140)	50
Aliphatic C28-C40	600	647	107		0.77| (40-140)	50

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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194

Sample No : PB166219BS **Datafile:** FD048968.D

Client ID : PB166219BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aromatic C10-C12	200	192	96		(40-140)
Aromatic C12-C16	300	325	108		(40-140)
Aromatic C16-C21	500	645	129		(40-140)
Aromatic C21-C36	800	1040	130		(40-140)

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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194

Sample No : PB166219BSD **Datafile:** FD048969.D

Client ID : PB166219BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	200	195	98		1.6|	(40-140)	50
Aromatic C12-C16	300	331	110		2.1|	(40-140)	50
Aromatic C16-C21	500	661	132		2.5|	(40-140)	50
Aromatic C21-C36	800	1070	133		2.8|	(40-140)	50

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194

Sample No : PB166218BS **Datafile:** FF015327.D

Client ID : PB166218BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	5.79	87		(40-140)
Aromatic C12-C16	10	10.8	108		(40-140)
Aromatic C16-C21	16.7	20.6	123		(40-140)
Aromatic C21-C36	26.6	32.0	120		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194

Sample No : PB166218BSD **Datafile:** FF015328.D

Client ID : PB166218BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	6.32	95		8.7|	(40-140)	50
Aromatic C12-C16	10.0	11.8	118		8.9|	(40-140)	50
Aromatic C16-C21	16.7	22.8	136		10|	(40-140)	50
Aromatic C21-C36	26.7	35.7	133		10|	(40-140)	50

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194

Sample No : PB166218BS **Datafile:** FG015184.D

Client ID : PB166218BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	6.72	67		(40-140)
Aliphatic C12-C16	6.7	6.16	92		(40-140)
Aliphatic C16-C21	10	11.2	112		(40-140)
Aliphatic C21-C28	13.3	15.1	113		(40-140)
Aliphatic C28-C40	20.0	25.5	127		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q1194 **SAS No :** Q1194 **SDG No:** Q1194

Sample No : PB166218BSD **Datafile:** FG015185.D

Client ID : PB166218BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10.0	7.22	72		7.2|	(40-140)	50
Aliphatic C12-C16	6.7	6.61	99		7|	(40-140)	50
Aliphatic C16-C21	10.0	12.1	121		7.8|	(40-140)	50
Aliphatic C21-C28	13.3	16.3	122		7.9|	(40-140)	50
Aliphatic C28-C40	20.0	27.7	138		8.7|	(40-140)	50

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB166218BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Instrument ID: FID_C Lab Sample ID: PB166218BL

Matrix: (soil/water) Solid Date Extracted: 1/28/2025 8:30:00 A

Level: (low/med) low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID
PB166218BS	PB166218BS
PB166218BSD	PB166218BSD
B-110-SB01	Q1194-01
B-110-SB02	Q1194-02
B-113-SB01	Q1194-03
B-113-SB02	Q1194-04
B-110-SB01MS	Q1194-01MS
B-110-SB01MSD	Q1194-01MSD

COMMENTS:

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB166219BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Instrument ID: FID_C Lab Sample ID: PB166219BL

Matrix: (soil/water) Water Date Extracted: 1/28/2025 8:31:00 A

Level: (low/med) low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID
PB166219BS	PB166219BS
PB166219BSD	PB166219BSD
EB	Q1194-08

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166218BL	SDG No.:	Q1194
Lab Sample ID:	PB166218BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:30	01/28/25 15:52	PB166218

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.38	U	1	0.38	1.00	mg/kg	FG015183.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FG015183.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FG015183.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FG015183.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FG015183.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FF015326.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FF015326.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FF015326.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.67	mg/kg	FF015326.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.01	mg/kg	
Total EPH	Total EPH	7.12	U		7.12	12.0	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166218BL	SDG No.:	Q1194
Lab Sample ID:	PB166218BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015326.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		0.30	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16		0.34	U	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21		0.96	U	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36		2.00	U	2.00	2.67	mg/kg
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		55.3		40 - 140	111%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		53.9		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		41.2		40 - 140	82%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166218BL	Acq On:	28 Jan 2025 15:52
Client Sample ID:	PB166218BL	Operator:	YP\AJ
Data file:	FF015326.D	Misc:	
Instrument:	FID_F	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	0	0	200	ug/ml
Aromatic C12-C16	6.356	9.053	0	0	300	ug/ml
Aromatic C16-C21	9.054	13.372	0	0	500	ug/ml
Aromatic C21-C36	13.373	18.824	0	0	800	ug/ml
Aromatic EPH	4.485	18.824	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.979	7.979	7299905	55.3		ug/ml
2-Flurobiphenyl (SURR)	8.852	8.852	4549221	53.9		ug/ml
ortho-Terphenyl (SURR)	11.923	11.923	7094985	41.22		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166218BL	SDG No.:	Q1194
Lab Sample ID:	PB166218BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015183.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.38	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.24	U	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.30	U	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.80	U	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.80	U	1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.9		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166218BL	Acq On:	28 Jan 2025 15:52
Client Sample ID:	PB166218BL	Operator:	YP\AJ
Data file:	FG015183.D	Misc:	
Instrument:	FID_G	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.178	6.820	0	0	300	ug/ml
Aliphatic C12-C16	6.821	10.273	0	0	200	ug/ml
Aliphatic C16-C21	10.274	13.656	0	0	300	ug/ml
Aliphatic C21-C28	13.657	17.330	0	0	400	ug/ml
Aliphatic C28-C40	17.331	22.272	0	0	600	ug/ml
Aliphatic EPH	3.178	22.272	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.387	13.387	4247483	34.88		ug/ml
Aliphatic C9-C28	3.178	17.330	0	0	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166219BL	SDG No.:	Q1194
Lab Sample ID:	PB166219BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:31	01/28/25 15:42	PB166219

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.76	U	1	5.76	30.0	ug/l	FC068133.D
Aliphatic C12-C16	Aliphatic C12-C16	3.61	U	1	3.61	20.0	ug/l	FC068133.D
Aliphatic C16-C21	Aliphatic C16-C21	5.14	U	1	5.14	30.0	ug/l	FC068133.D
Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	1	8.97	40.0	ug/l	FC068133.D
Aliphatic C28-C40	Aliphatic C28-C40	17.0	U	1	17.0	60.0	ug/l	FC068133.D
Aromatic C10-C12	Aromatic C10-C12	3.32	U	1	3.32	20.0	ug/l	FD048967.D
Aromatic C12-C16	Aromatic C12-C16	3.69	U	1	3.69	30.0	ug/l	FD048967.D
Aromatic C16-C21	Aromatic C16-C21	12.7	U	1	12.7	50.0	ug/l	FD048967.D
Aromatic C21-C36	Aromatic C21-C36	25.2	U	1	25.2	80.0	ug/l	FD048967.D
Total AliphaticEPH	Total AliphaticEPH	40.5	U		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	44.9	U		44.9	180	ug/l	
Total EPH	Total EPH	85.4	U		85.4	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166219BL	SDG No.:	Q1194
Lab Sample ID:	PB166219BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068133.D	1	01/28/25	01/28/25	PB166219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.76	U	5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	3.61	U	3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	5.14	U	5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	17.0	U	17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.4		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166219BL	Acq On:	28 Jan 2025 15:42
Client Sample ID:	PB166219BL	Operator:	YP/AJ
Data file:	FC068133.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.129	6.397	0	0	300	ug/ml
Aliphatic C12-C16	6.398	9.782	0	0	200	ug/ml
Aliphatic C16-C21	9.783	13.137	0	0	300	ug/ml
Aliphatic C21-C28	13.138	16.791	0	0	400	ug/ml
Aliphatic C28-C40	16.792	21.605	0	0	600	ug/ml
Aliphatic EPH	3.129	21.605	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.869	12.869	4180609	36.35		ug/ml
Aliphatic C9-C28	3.129	16.791	0	0	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166219BL	SDG No.:	Q1194
Lab Sample ID:	PB166219BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048967.D	1	01/28/25	01/28/25	PB166219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.32	U	3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	3.69	U	3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	12.7	U	12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	25.2	U	25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.4		40 - 140	107%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	53.8		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.1		40 - 140	90%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166219BL	Acq On:	28 Jan 2025 15:42
Client Sample ID:	PB166219BL	Operator:	YP/AJ
Data file:	FD048967.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.075	5.794	0	0	200	ug/ml
Aromatic C12-C16	5.795	8.400	0	0	300	ug/ml
Aromatic C16-C21	8.401	12.666	0	0	500	ug/ml
Aromatic C21-C36	12.667	18.077	0	0	800	ug/ml
Aromatic EPH	4.075	18.077	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.357	7.357	7600058	53.4		ug/ml
2-Flurobiphenyl (SURR)	8.208	8.208	4575671	53.78		ug/ml
ortho-Terphenyl (SURR)	11.243	11.243	7420730	45.12		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166218BS	SDG No.:	Q1194
Lab Sample ID:	PB166218BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:30	01/28/25 16:20	PB166218

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.72		1	0.38	1.00	mg/kg	FG015184.D
Aliphatic C12-C16	Aliphatic C12-C16	6.16		1	0.24	0.67	mg/kg	FG015184.D
Aliphatic C16-C21	Aliphatic C16-C21	11.2		1	0.30	1.00	mg/kg	FG015184.D
Aliphatic C21-C28	Aliphatic C21-C28	15.1		1	0.80	1.33	mg/kg	FG015184.D
Aliphatic C28-C40	Aliphatic C28-C40	25.5		1	1.80	2.00	mg/kg	FG015184.D
Aromatic C10-C12	Aromatic C10-C12	5.79		1	0.30	0.67	mg/kg	FF015327.D
Aromatic C12-C16	Aromatic C12-C16	10.8		1	0.34	1.00	mg/kg	FF015327.D
Aromatic C16-C21	Aromatic C16-C21	20.6		1	0.96	1.67	mg/kg	FF015327.D
Aromatic C21-C36	Aromatic C21-C36	32.0		1	2.00	2.66	mg/kg	FF015327.D
Total AliphaticEPH	Total AliphaticEPH	64.7			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	69.2			3.60	6.00	mg/kg	
Total EPH	Total EPH	134			7.12	12.0	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166218BS	SDG No.:	Q1194
Lab Sample ID:	PB166218BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015327.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.79		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.8		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.6		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	32.0		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	61.7		40 - 140	123%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	54.4		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.3		40 - 140	93%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166218BS	Acq On:	28 Jan 2025 16:20
Client Sample ID:	PB166218BS	Operator:	YP\AJ
Data file:	FF015327.D	Misc:	
Instrument:	FID_F	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	13940227	86.926	200	ug/ml
Aromatic C12-C16	6.356	9.053	25994375	162.134	300	ug/ml
Aromatic C16-C21	9.054	13.372	48498475	309.528	500	ug/ml
Aromatic C21-C36	13.373	18.824	69937175	480.356	800	ug/ml
Aromatic EPH	4.485	18.824	158370252	1040		ug/ml
2-Bromonaphthalene (SURR)	7.990	7.990	8139073	61.66		ug/ml
2-Flurobiphenyl (SURR)	8.864	8.864	4588846	54.36		ug/ml
ortho-Terphenyl (SURR)	11.929	11.929	7969827	46.3		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166218BS	SDG No.:	Q1194
Lab Sample ID:	PB166218BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015184.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		6.72		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		6.16		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		11.2		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		15.1		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		25.5		1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		45.7		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166218BS	Acq On:	28 Jan 2025 16:20
Client Sample ID:	PB166218BS	Operator:	YP\AJ
Data file:	FG015184.D	Misc:	
Instrument:	FID_G	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.178	6.820	13399408	100.832	300	ug/ml
Aliphatic C12-C16	6.821	10.273	13046289	92.389	200	ug/ml
Aliphatic C16-C21	10.274	13.656	24368059	168.615	300	ug/ml
Aliphatic C21-C28	13.657	17.330	31064529	227.233	400	ug/ml
Aliphatic C28-C40	17.331	22.272	40438634	382.976	600	ug/ml
Aliphatic EPH	3.178	22.272	122316919	972.046		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.386	13.386	5562109	45.68		ug/ml
Aliphatic C9-C28	3.178	17.330	81878285	589.069	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166219BS	SDG No.:	Q1194
Lab Sample ID:	PB166219BS	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:31	01/28/25 16:18	PB166219

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	194		1	5.76	30.0	ug/l	FC068134.D
Aliphatic C12-C16	Aliphatic C12-C16	175		1	3.61	20.0	ug/l	FC068134.D
Aliphatic C16-C21	Aliphatic C16-C21	292		1	5.14	30.0	ug/l	FC068134.D
Aliphatic C21-C28	Aliphatic C21-C28	391		1	8.97	40.0	ug/l	FC068134.D
Aliphatic C28-C40	Aliphatic C28-C40	644		1	17.0	60.0	ug/l	FC068134.D
Aromatic C10-C12	Aromatic C10-C12	192		1	3.32	20.0	ug/l	FD048968.D
Aromatic C12-C16	Aromatic C12-C16	325		1	3.69	30.0	ug/l	FD048968.D
Aromatic C16-C21	Aromatic C16-C21	645		1	12.7	50.0	ug/l	FD048968.D
Aromatic C21-C36	Aromatic C21-C36	1040		1	25.2	80.0	ug/l	FD048968.D
Total AliphaticEPH	Total AliphaticEPH	1700			40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	2200			44.9	180	ug/l	
Total EPH	Total EPH	3900			85.4	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166219BS	SDG No.:	Q1194
Lab Sample ID:	PB166219BS	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068134.D	1	01/28/25	01/28/25	PB166219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	194		5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	175		3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	292		5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	391		8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	644		17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.4		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166219BS	Acq On:	28 Jan 2025 16:18
Client Sample ID:	PB166219BS	Operator:	YP/AJ
Data file:	FC068134.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.129	6.397	13478505	97.326	300	ug/ml
Aliphatic C12-C16	6.398	9.782	12117967	87.994	200	ug/ml
Aliphatic C16-C21	9.783	13.137	19760847	146.356	300	ug/ml
Aliphatic C21-C28	13.138	16.791	24926480	195.951	400	ug/ml
Aliphatic C28-C40	16.792	21.605	33380338	322.083	600	ug/ml
Aliphatic EPH	3.129	21.605	103664137	849.711		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.869	12.869	4525889	39.35		ug/ml
Aliphatic C9-C28	3.129	16.791	70283799	527.627	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166219BS	SDG No.:	Q1194
Lab Sample ID:	PB166219BS	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048968.D	1	01/28/25	01/28/25	PB166219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	192		3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	325		3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	645		12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	1040		25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	56.8		40 - 140	114%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	60.8		40 - 140	122%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.0		40 - 140	96%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166219BS	Acq On:	28 Jan 2025 16:18
Client Sample ID:	PB166219BS	Operator:	YP/AJ
Data file:	FD048968.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.075	5.794	14951023	96.315	200	ug/ml
Aromatic C12-C16	5.795	8.400	26375285	162.598	300	ug/ml
Aromatic C16-C21	8.401	12.666	49912193	322.747	500	ug/ml
Aromatic C21-C36	12.667	18.077	74109610	520.057	800	ug/ml
Aromatic EPH	4.075	18.077	165348111	1100		ug/ml
2-Bromonaphthalene (SURR)	7.357	7.357	8086195	56.82		ug/ml
2-Flurobiphenyl (SURR)	8.209	8.209	5175064	60.82		ug/ml
ortho-Terphenyl (SURR)	11.243	11.243	7890956	47.98		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166218BSD	SDG No.:	Q1194
Lab Sample ID:	PB166218BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:30	01/28/25 16:49	PB166218

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	7.22		1	0.38	1.00	mg/kg	FG015185.D
Aliphatic C12-C16	Aliphatic C12-C16	6.61		1	0.24	0.67	mg/kg	FG015185.D
Aliphatic C16-C21	Aliphatic C16-C21	12.1		1	0.30	1.00	mg/kg	FG015185.D
Aliphatic C21-C28	Aliphatic C21-C28	16.3		1	0.80	1.33	mg/kg	FG015185.D
Aliphatic C28-C40	Aliphatic C28-C40	27.7		1	1.80	2.00	mg/kg	FG015185.D
Aromatic C10-C12	Aromatic C10-C12	6.32		1	0.30	0.67	mg/kg	FF015328.D
Aromatic C12-C16	Aromatic C12-C16	11.8		1	0.34	1.00	mg/kg	FF015328.D
Aromatic C16-C21	Aromatic C16-C21	22.8		1	0.96	1.67	mg/kg	FF015328.D
Aromatic C21-C36	Aromatic C21-C36	35.7		1	2.00	2.67	mg/kg	FF015328.D
Total AliphaticEPH	Total AliphaticEPH	69.9			3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	76.6			3.60	6.01	mg/kg	
Total EPH	Total EPH	147			7.12	12.0	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166218BSD	SDG No.:	Q1194
Lab Sample ID:	PB166218BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015328.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.32		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	11.8		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	22.8		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	35.7		2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	67.4		40 - 140	135%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	59.7		40 - 140	119%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.6		40 - 140	101%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166218BSD	Acq On:	28 Jan 2025 16:49
Client Sample ID:	PB166218BSD	Operator:	YP\AJ
Data file:	FF015328.D	Misc:	
Instrument:	FID_F	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	15213196	94.864	200	ug/ml
Aromatic C12-C16	6.356	9.053	28427662	177.311	300	ug/ml
Aromatic C16-C21	9.054	13.372	53542946	341.723	500	ug/ml
Aromatic C21-C36	13.373	18.824	78100409	536.424	800	ug/ml
Aromatic EPH	4.485	18.824	175284213	1150		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	8894035	67.38		ug/ml
2-Flurobiphenyl (SURR)	8.866	8.866	5036514	59.67		ug/ml
ortho-Terphenyl (SURR)	11.931	11.931	8717752	50.64		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166218BSD	SDG No.:	Q1194
Lab Sample ID:	PB166218BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015185.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.22		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	6.61		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	12.1		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	16.3		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.7		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.6		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166218BSD	Acq On:	28 Jan 2025 16:49
Client Sample ID:	PB166218BSD	Operator:	YP\AJ
Data file:	FG015185.D	Misc:	
Instrument:	FID_G	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.178	6.820	14391362	108.296	300	ug/ml
Aliphatic C12-C16	6.821	10.273	14000715	99.148	200	ug/ml
Aliphatic C16-C21	10.274	13.656	26193483	181.246	300	ug/ml
Aliphatic C21-C28	13.657	17.330	33493778	245.003	400	ug/ml
Aliphatic C28-C40	17.331	22.272	43839847	415.188	600	ug/ml
Aliphatic EPH	3.178	22.272	131919185	1050		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.386	13.386	6163834	50.62		ug/ml
Aliphatic C9-C28	3.178	17.330	88079338	633.693	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166219BSD	SDG No.:	Q1194
Lab Sample ID:	PB166219BSD	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:31	01/28/25 16:55	PB166219

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	193		1	5.76	30.0	ug/l	FC068135.D
Aliphatic C12-C16	Aliphatic C12-C16	177		1	3.61	20.0	ug/l	FC068135.D
Aliphatic C16-C21	Aliphatic C16-C21	297		1	5.14	30.0	ug/l	FC068135.D
Aliphatic C21-C28	Aliphatic C21-C28	396		1	8.97	40.0	ug/l	FC068135.D
Aliphatic C28-C40	Aliphatic C28-C40	647		1	17.0	60.0	ug/l	FC068135.D
Aromatic C10-C12	Aromatic C10-C12	195		1	3.32	20.0	ug/l	FD048969.D
Aromatic C12-C16	Aromatic C12-C16	331		1	3.69	30.0	ug/l	FD048969.D
Aromatic C16-C21	Aromatic C16-C21	661		1	12.7	50.0	ug/l	FD048969.D
Aromatic C21-C36	Aromatic C21-C36	1070		1	25.2	80.0	ug/l	FD048969.D
Total AliphaticEPH	Total AliphaticEPH	1710			40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	2260			44.9	180	ug/l	
Total EPH	Total EPH	3970			85.4	360	ug/l	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166219BSD	SDG No.:	Q1194
Lab Sample ID:	PB166219BSD	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068135.D	1	01/28/25	01/28/25	PB166219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	193		5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	177		3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	297		5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	396		8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	647		17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.7		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166219BSD	Acq On:	28 Jan 2025 16:55
Client Sample ID:	PB166219BSD	Operator:	YP/AJ
Data file:	FC068135.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.129	6.397	13399710	96.757	300	ug/ml
Aliphatic C12-C16	6.398	9.782	12196596	88.565	200	ug/ml
Aliphatic C16-C21	9.783	13.137	20055450	148.538	300	ug/ml
Aliphatic C21-C28	13.138	16.791	25217665	198.24	400	ug/ml
Aliphatic C28-C40	16.792	21.605	33539753	323.621	600	ug/ml
Aliphatic EPH	3.129	21.605	104409174	855.722		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.868	12.868	4449518	38.69		ug/ml
Aliphatic C9-C28	3.129	16.791	70869421	532.1	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB166219BSD		SDG No.:	Q1194	
Lab Sample ID:	PB166219BSD		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048969.D	1	01/28/25	01/28/25	PB166219

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	195		3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	331		3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	661		12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	1070		25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	58.0		40 - 140	116%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	62.2		40 - 140	124%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.1		40 - 140	98%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166219BSD	Acq On:	28 Jan 2025 16:55
Client Sample ID:	PB166219BSD	Operator:	YP/AJ
Data file:	FD048969.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.075	5.794	15142688	97.55	200	ug/ml
Aromatic C12-C16	5.795	8.400	26920976	165.962	300	ug/ml
Aromatic C16-C21	8.401	12.666	51121780	330.568	500	ug/ml
Aromatic C21-C36	12.667	18.077	76213176	534.818	800	ug/ml
Aromatic EPH	4.075	18.077	169398620	1130		ug/ml
ortho-Terphenyl (SURR)	11.244	11.244	8077333	49.12		ug/ml
2-Bromonaphthalene (SURR)	7.358	7.358	8254516	58		ug/ml
2-Flurobiphenyl (SURR)	8.209	8.209	5291934	62.19		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-110-SB01MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:30	01/28/25 19:40	PB166218

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.38		1	0.43	1.13	mg/kg	FG015191.D
Aliphatic C12-C16	Aliphatic C12-C16	7.50		1	0.27	0.75	mg/kg	FG015191.D
Aliphatic C16-C21	Aliphatic C16-C21	11.2		1	0.34	1.13	mg/kg	FG015191.D
Aliphatic C21-C28	Aliphatic C21-C28	14.6		1	0.90	1.51	mg/kg	FG015191.D
Aliphatic C28-C40	Aliphatic C28-C40	24.3		1	2.03	2.26	mg/kg	FG015191.D
Aromatic C10-C12	Aromatic C10-C12	6.80		1	0.34	0.75	mg/kg	FF015334.D
Aromatic C12-C16	Aromatic C12-C16	14.3		1	0.38	1.13	mg/kg	FF015334.D
Aromatic C16-C21	Aromatic C16-C21	25.6		1	1.08	1.88	mg/kg	FF015334.D
Aromatic C21-C36	Aromatic C21-C36	32.6		1	2.26	3.01	mg/kg	FF015334.D
Total AliphaticEPH	Total AliphaticEPH	66.0			3.97	6.78	mg/kg	
Total AromaticEPH	Total AromaticEPH	79.3			4.06	6.77	mg/kg	
Total EPH	Total EPH	145			8.04	13.6	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-110-SB01MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015334.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.80		0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	14.3		0.38	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	25.6		1.08	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	32.6		2.26	3.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.1		40 - 140	108%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	54.3		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.2		40 - 140	70%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1194-01MS	Acq On:	28 Jan 2025 19:40
Client Sample ID:	Q1194-01MS	Operator:	YP\AJ
Data file:	FF015334.D	Misc:	
Instrument:	FID_F	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	14492019	90.367	200	ug/ml
Aromatic C12-C16	6.356	9.053	30486200	190.151	300	ug/ml
Aromatic C16-C21	9.054	13.372	53272819	339.999	500	ug/ml
Aromatic C21-C36	13.373	18.824	63071614	433.201	800	ug/ml
Aromatic EPH	4.485	18.824	161322652	1050		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	7140254	54.09		ug/ml
2-Flurobiphenyl (SURR)	8.866	8.866	4584114	54.31		ug/ml
ortho-Terphenyl (SURR)	11.929	11.929	6065574	35.24		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-110-SB01MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015191.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.38		0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.50		0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	11.2		0.34	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	14.6		0.90	1.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.3		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.8		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1194-01MS	Acq On:	28 Jan 2025 19:40
Client Sample ID:	B-110-SB01MS	Operator:	YP\AJ
Data file:	FG015191.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.178	6.820	14792599	111.316	300	ug/ml
Aliphatic C12-C16	6.821	10.273	14065783	99.609	200	ug/ml
Aliphatic C16-C21	10.274	13.656	21464089	148.521	300	ug/ml
Aliphatic C21-C28	13.657	17.330	26422998	193.281	400	ug/ml
Aliphatic C28-C40	17.331	22.272	34019941	322.188	600	ug/ml
Aliphatic EPH	3.178	22.272	110765410	874.915		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	4847143	39.81		ug/ml
Aliphatic C9-C28	3.178	17.330	76745469	552.727	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-110-SB01MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/28/25 08:30	01/28/25 20:08	PB166218

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.23		1	0.43	1.13	mg/kg	FG015192.D
Aliphatic C12-C16	Aliphatic C12-C16	7.39		1	0.27	0.75	mg/kg	FG015192.D
Aliphatic C16-C21	Aliphatic C16-C21	11.1		1	0.34	1.13	mg/kg	FG015192.D
Aliphatic C21-C28	Aliphatic C21-C28	14.5		1	0.90	1.51	mg/kg	FG015192.D
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1	2.04	2.26	mg/kg	FG015192.D
Aromatic C10-C12	Aromatic C10-C12	6.92		1	0.34	0.75	mg/kg	FF015335.D
Aromatic C12-C16	Aromatic C12-C16	15.8		1	0.38	1.13	mg/kg	FF015335.D
Aromatic C16-C21	Aromatic C16-C21	23.1		1	1.09	1.88	mg/kg	FF015335.D
Aromatic C21-C36	Aromatic C21-C36	33.4		1	2.26	3.01	mg/kg	FF015335.D
Total AliphaticEPH	Total AliphaticEPH	65.7			3.98	6.78	mg/kg	
Total AromaticEPH	Total AromaticEPH	79.2			4.07	6.77	mg/kg	
Total EPH	Total EPH	145			8.06	13.6	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-110-SB01MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015335.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.92		0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	15.8		0.38	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	23.1		1.09	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	33.4		2.26	3.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.2		40 - 140	110%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	55.3		40 - 140	111%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.9		40 - 140	72%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1194-01MSD	Acq On:	28 Jan 2025 20:08
Client Sample ID:	Q1194-01MSD	Operator:	YP\AJ
Data file:	FF015335.D	Misc:	
Instrument:	FID_F	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	14732048	91.863	200	ug/ml
Aromatic C12-C16	6.356	9.053	33687730	210.12	300	ug/ml
Aromatic C16-C21	9.054	13.372	48072033	306.807	500	ug/ml
Aromatic C21-C36	13.373	18.824	64483861	442.9	800	ug/ml
Aromatic EPH	4.485	18.824	160975672	1050		ug/ml
2-Bromonaphthalene (SURR)	7.992	7.992	7289072	55.22		ug/ml
2-Flurobiphenyl (SURR)	8.866	8.866	4671163	55.34		ug/ml
ortho-Terphenyl (SURR)	11.929	11.929	6186547	35.94		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	B-110-SB01MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015192.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.23		0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.39		0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	11.1		0.34	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	14.5		0.90	1.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.5		2.04	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1194-01MSD	Acq On:	28 Jan 2025 20:08
Client Sample ID:	B-110-SB01MSD	Operator:	YP\AJ
Data file:	FG015192.D	Misc:	
Instrument:	FID_G	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.178	6.820	14513284	109.214	300	ug/ml
Aliphatic C12-C16	6.821	10.273	13835543	97.979	200	ug/ml
Aliphatic C16-C21	10.274	13.656	21260708	147.114	300	ug/ml
Aliphatic C21-C28	13.657	17.330	26335525	192.641	400	ug/ml
Aliphatic C28-C40	17.331	22.272	34291567	324.76	600	ug/ml
Aliphatic EPH	3.178	22.272	110236627	871.708		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.384	13.384	4747788	38.99		ug/ml
Aliphatic C9-C28	3.178	17.330	75945060	546.948	1200	ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FC012425AL

AreaCount

Parameter Range	FC068103.D	FC068104.D	FC068105.D	FC068106.D	FC068107.D	
Aliphatic C9-C12	39119921.000	19595370.000	8560674.000	4475977.000	2092923.000	
Aliphatic C12-C16	26002482.000	13035277.000	5712859.000	2968256.000	1369659.000	
Aliphatic C16-C21	37691789.000	18971800.000	8404107.000	4402241.000	2042530.000	
Aliphatic C21-C28	46742612.000	23877310.000	10488572.000	5543696.000	2601900.000	
Aliphatic C28-C40	54828663.000	28773658.000	12627086.000	6741853.000	3399332.000	
Aliphatic EPH	204385467.000	104253415.000	45793298.000	24132023.000	11506344.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	138488.1739998	5.827				
Aliphatic C12-C16	137713.071	5.793				
Aliphatic C16-C21	135019.2893328	6.678				
Aliphatic C21-C28	127207.526	7.047				
Aliphatic C28-C40	103638.8596662	9.431				
Aliphatic EPH	123700.6552216	7.023				

Concentration

Parameter Range	FC068103.D	FC068104.D	FC068105.D	FC068106.D	FC068107.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FC068103.D	FC068104.D	FC068105.D	FC068106.D	FC068107.D	
Aliphatic C9-C12	130399.736666	130635.800000	142677.900000	149199.233333	139528.200000	
Aliphatic C12-C16	130012.410000	130352.770000	142821.475000	148412.800000	136965.900000	
Aliphatic C16-C21	125639.296666	126478.666666	140068.450000	146741.366666	136168.666666	

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Inital Calibration Report for SequenceID : FC012425AL

Aliphatic C21-C28	116856.530000	119386.550000	131107.150000	138592.400000	130095.000000	
Aliphatic C28-C40	91381.105000	95912.193333	105225.716666	112364.216666	113311.066666	
Aliphatic EPH	113547.481666	115837.127777	127203.605555	134066.794444	127848.266666	

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Inital Calibration Report for SequenceID : FD012425AR

AreaCount

Parameter Range	FD048945.D	FD048946.D	FD048947.D	FD048948.D	FD048949.D	
Aromatic C10-C12	30613634.000	15394701.000	6122051.000	3223218.000	1549258.000	
Aromatic C12-C16	46428964.000	23585820.000	9503278.000	5073670.000	2573200.000	
Aromatic C16-C21	61020495.000	30945609.000	12177178.000	6382159.000	3083864.000	
Aromatic C21-C36	126755619.000	64546927.000	25163411.000	13252912.000	6353375.000	
Aromatic EPH	264818712.000	134473057.000	52965918.000	27931959.000	13559697.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	155230.631	2.193				
Aromatic C12-C16	162211.7959996	4.672				
Aromatic C16-C21	154648.2365	1.902				
Aromatic C21-C36	142502.9217772	2.084				
Aromatic EPH	149900.8828886	2.214				

Concentration

Parameter Range	FD048945.D	FD048946.D	FD048947.D	FD048948.D	FD048949.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FD048945.D	FD048946.D	FD048947.D	FD048948.D	FD048949.D	
Aromatic C10-C12	153068.170000	153947.010000	153051.275000	161160.900000	154925.800000	
Aromatic C12-C16	154763.213333	157238.800000	158387.966666	169122.333333	171546.666666	
Aromatic C16-C21	152551.237500	154728.045000	152214.725000	159553.975000	154193.200000	
Aromatic C21-C36	140839.576666	143437.615555	139796.727777	147254.577777	141186.111111	
Aromatic EPH	147121.506666	149414.507777	147127.550000	155177.550000	150663.300000	

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Inital Calibration Report for SequenceID : FF011425AR

AreaCount

Parameter Range	FF015238.D	FF015239.D	FF015240.D	FF015241.D	FF015242.D	
Aromatic C10-C12	30965620.000	15769068.000	6560469.000	3276731.000	1614787.000	
Aromatic C12-C16	47800506.000	24008637.000	9928159.000	4881993.000	2310555.000	
Aromatic C16-C21	60600751.000	30656802.000	12907218.000	6448234.000	3121870.000	
Aromatic C21-C36	124937823.000	63025276.000	26734403.000	13637803.000	6706840.000	
Aromatic EPH	264304700.000	133459783.000	56130249.000	28244761.000	13754052.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	160369.151	2.502				
Aromatic C12-C16	160326.4033332	2.662				
Aromatic C16-C21	156685.0925	2.87				
Aromatic C21-C36	145594.4933328	3.95				
Aromatic EPH	152156.0178884	2.948				

Concentration

Parameter Range	FF015238.D	FF015239.D	FF015240.D	FF015241.D	FF015242.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FF015238.D	FF015239.D	FF015240.D	FF015241.D	FF015242.D	
Aromatic C10-C12	154828.100000	157690.680000	164011.725000	163836.550000	161478.700000	
Aromatic C12-C16	159335.020000	160057.580000	165469.316666	162733.100000	154037.000000	
Aromatic C16-C21	151501.877500	153284.010000	161340.225000	161205.850000	156093.500000	
Aromatic C21-C36	138819.803333	140056.168888	148524.461111	151531.144444	149040.888888	
Aromatic EPH	146835.944444	148288.647777	155917.358333	156915.338888	152822.800000	

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Inital Calibration Report for SequenceID : FG011425AL

AreaCount

Parameter Range	FG015065.D	FG015066.D	FG015067.D	FG015068.D	FG015069.D	
Aliphatic C9-C12	37338222.000	18885892.000	8024842.000	4337273.000	2036305.000	
Aliphatic C12-C16	26609204.000	13446955.000	5681659.000	3063045.000	1433400.000	
Aliphatic C16-C21	40794587.000	20648058.000	8740875.000	4708602.000	2194851.000	
Aliphatic C21-C28	51414694.000	26225278.000	11042694.000	5907986.000	2762843.000	
Aliphatic C28-C40	57555754.000	29937954.000	12725662.000	6876373.000	3347374.000	
Aliphatic EPH	213712461.000	109144137.000	46215732.000	24893279.000	11774773.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	132888.6973328	6.129				
Aliphatic C12-C16	141209.859	5.709				
Aliphatic C16-C21	144518.7453332	5.781				
Aliphatic C21-C28	136707.72	5.456				
Aliphatic C28-C40	105590.3939996	7.402				
Aliphatic EPH	127500.8494442	6.127				

Concentration

Parameter Range	FG015065.D	FG015066.D	FG015067.D	FG015068.D	FG015069.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FG015065.D	FG015066.D	FG015067.D	FG015068.D	FG015069.D	
Aliphatic C9-C12	124460.740000	125905.946666	133747.366666	144575.766666	135753.666666	
Aliphatic C12-C16	133046.020000	134469.550000	142041.475000	153152.250000	143340.000000	
Aliphatic C16-C21	135981.956666	137653.720000	145681.250000	156953.400000	146323.400000	

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Inital Calibration Report for SequenceID : FG011425AL

Aliphatic C21-C28	128536.735000	131126.390000	138033.675000	147699.650000	138142.150000	
Aliphatic C28-C40	95926.256666	99793.180000	106047.183333	114606.216666	111579.133333	
Aliphatic EPH	118729.145000	121271.263333	128377.033333	138295.994444	130830.811111	

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Continuing Calibration Report for SequenceID : FC012825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068132.D**						
Aliphatic EPH	41511557.000	360.000	3.129	21.605	115309.881	123700.655	6.783
Aliphatic C9-C12	7659890.000	60.000	3.129	6.397	127664.833	138488.174	7.815
Aliphatic C12-C16	5096643.000	40.000	6.398	9.782	127416.075	137713.071	7.477
Aliphatic C16-C21	7434215.000	60.000	9.783	13.137	123903.583	135019.289	8.233
Aliphatic C21-C28	9356083.000	80.000	13.138	16.791	116951.038	127207.526	8.063
Aliphatic C28-C40	11964726.000	120.000	16.792	21.605	99706.050	103638.860	3.795

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Jan 2025 15:06
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068132.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.129	6.397	7659890.000	60.000	ug/ml
Aliphatic C12-C16	6.398	9.782	5096643.000	40.000	ug/ml
Aliphatic C16-C21	9.783	13.137	7434215.000	60.000	ug/ml
Aliphatic C21-C28	13.138	16.791	9356083.000	80.000	ug/ml
Aliphatic C28-C40	16.792	21.605	11964726.000	120.000	ug/ml
Aliphatic EPH	3.129	21.605	41511557.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC012825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068141.D**						
Aliphatic EPH	42381773.000	360.000	3.129	21.605	117727.147	123700.655	4.829
Aliphatic C9-C12	7788410.000	60.000	3.129	6.397	129806.833	138488.174	6.269
Aliphatic C12-C16	5151715.000	40.000	6.398	9.782	128792.875	137713.071	6.477
Aliphatic C16-C21	7539228.000	60.000	9.783	13.137	125653.800	135019.289	6.936
Aliphatic C21-C28	9526036.000	80.000	13.138	16.791	119075.450	127207.526	6.393
Aliphatic C28-C40	12376384.000	120.000	16.792	21.605	103136.533	103638.860	0.485

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Jan 2025 21:12
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068141.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.129	6.397	7788410.000	60.000	ug/ml
Aliphatic C12-C16	6.398	9.782	5151715.000	40.000	ug/ml
Aliphatic C16-C21	9.783	13.137	7539228.000	60.000	ug/ml
Aliphatic C21-C28	13.138	16.791	9526036.000	80.000	ug/ml
Aliphatic C28-C40	16.792	21.605	12376384.000	120.000	ug/ml
Aliphatic EPH	3.129	21.605	42381773.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FD012825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048966.D**						
Aromatic C12-C16	9924062.000	60.000	5.795	8.400	165401.033	162211.796	-1.966
Aromatic C16-C21	12250818.000	80.000	8.401	12.666	153135.225	154648.237	0.978
Aromatic C21-C36	26642499.000	180.000	12.667	18.077	148013.883	142502.922	-3.867
Aromatic EPH	55294847.000	360.000	4.075	18.077	153596.797	149900.883	-2.466
Aromatic C10-C12	6477468.000	40.000	4.075	5.794	161936.700	155230.631	-4.320

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	28 Jan 2025 15:06
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048966.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.075	5.794	6477468.000	40.000	ug/ml
Aromatic C12-C16	5.795	8.400	9924062.000	60.000	ug/ml
Aromatic C16-C21	8.401	12.666	12250818.000	80.000	ug/ml
Aromatic C21-C36	12.667	18.077	26642499.000	180.000	ug/ml
Aromatic EPH	4.075	18.077	55294847.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FD012825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048975.D**						
Aromatic C12-C16	9985859.000	60.000	5.795	8.400	166430.983	162211.796	-2.601
Aromatic C16-C21	12307844.000	80.000	8.401	12.666	153848.050	154648.237	0.517
Aromatic C21-C36	26576852.000	180.000	12.667	18.077	147649.178	142502.922	-3.611
Aromatic EPH	55347488.000	360.000	4.075	18.077	153743.022	149900.883	-2.563
Aromatic C10-C12	6476933.000	40.000	4.075	5.794	161923.325	155230.631	-4.311

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	28 Jan 2025 21:12
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048975.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.075	5.794	6476933.000	40.000	ug/ml
Aromatic C12-C16	5.795	8.400	9985859.000	60.000	ug/ml
Aromatic C16-C21	8.401	12.666	12307844.000	80.000	ug/ml
Aromatic C21-C36	12.667	18.077	26576852.000	180.000	ug/ml
Aromatic EPH	4.075	18.077	55347488.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FF012825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015325.D**						
Aromatic C10-C12	6827875.000	40.000	4.485	6.355	170696.875	160369.151	-6.440
Aromatic C12-C16	9997025.000	60.000	6.356	9.053	166617.083	160326.403	-3.924
Aromatic C16-C21	12162785.000	80.000	9.054	13.372	152034.813	156685.093	2.968
Aromatic C21-C36	25021267.000	180.000	13.373	18.824	139007.039	145594.493	4.525
Aromatic EPH	54008952.000	360.000	4.485	18.824	150024.867	152156.018	1.401

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	28 Jan 2025 14:00
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015325.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.485	6.355	6827875.000	40.000	ug/ml
Aromatic C12-C16	6.356	9.053	9997025.000	60.000	ug/ml
Aromatic C16-C21	9.054	13.372	12162785.000	80.000	ug/ml
Aromatic C21-C36	13.373	18.824	25021267.000	180.000	ug/ml
Aromatic EPH	4.485	18.824	54008952.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FF012825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015340.D**						
Aromatic C10-C12	6826376.000	40.000	4.485	6.355	170659.400	160369.151	-6.417
Aromatic C12-C16	9928652.000	60.000	6.356	9.053	165477.533	160326.403	-3.213
Aromatic C16-C21	12128232.000	80.000	9.054	13.372	151602.900	156685.093	3.244
Aromatic C21-C36	25569173.000	180.000	13.373	18.824	142050.961	145594.493	2.434
Aromatic EPH	54452433.000	360.000	4.485	18.824	151256.758	152156.018	0.591

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	28 Jan 2025 22:59
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015340.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.485	6.355	6826376.000	40.000	ug/ml
Aromatic C12-C16	6.356	9.053	9928652.000	60.000	ug/ml
Aromatic C16-C21	9.054	13.372	12128232.000	80.000	ug/ml
Aromatic C21-C36	13.373	18.824	25569173.000	180.000	ug/ml
Aromatic EPH	4.485	18.824	54452433.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FF012925AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015352.D**						
Aromatic C10-C12	7060922.000	40.000	4.500	6.368	176523.050	160369.151	-10.073
Aromatic C12-C16	10213821.000	60.000	6.369	9.062	170230.350	160326.403	-6.177
Aromatic C16-C21	12400069.000	80.000	9.063	13.376	155000.863	156685.093	1.075
Aromatic C21-C36	26284946.000	180.000	13.377	18.826	146027.478	145594.493	-0.297
Aromatic EPH	55959758.000	360.000	4.500	18.826	155443.772	152156.018	-2.161

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Fax : 908 789 8922

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	29 Jan 2025 09:16
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015352.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.500	6.368	7060922.000	40.000	ug/ml
Aromatic C12-C16	6.369	9.062	10213821.000	60.000	ug/ml
Aromatic C16-C21	9.063	13.376	12400069.000	80.000	ug/ml
Aromatic C21-C36	13.377	18.826	26284946.000	180.000	ug/ml
Aromatic EPH	4.500	18.826	55959758.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FF012925AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015359.D**						
Aromatic C10-C12	6826723.000	40.000	4.500	6.368	170668.075	160369.151	-6.422
Aromatic C12-C16	9825201.000	60.000	6.369	9.062	163753.350	160326.403	-2.137
Aromatic C16-C21	11801724.000	80.000	9.063	13.376	147521.550	156685.093	5.848
Aromatic C21-C36	25508347.000	180.000	13.377	18.826	141713.039	145594.493	2.666
Aromatic EPH	53961995.000	360.000	4.500	18.826	149894.431	152156.018	1.486

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Fax : 908 789 8922

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	29 Jan 2025 12:39
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015359.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.500	6.368	6826723.000	40.000	ug/ml
Aromatic C12-C16	6.369	9.062	9825201.000	60.000	ug/ml
Aromatic C16-C21	9.063	13.376	11801724.000	80.000	ug/ml
Aromatic C21-C36	13.377	18.826	25508347.000	180.000	ug/ml
Aromatic EPH	4.500	18.826	53961995.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FG012825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG015182.D**						
Aliphatic C9-C12	7819920.000	60.000	3.178	6.820	130332.000	132888.697	1.924
Aliphatic C12-C16	5548295.000	40.000	6.821	10.273	138707.375	141209.859	1.772
Aliphatic C16-C21	8448943.000	60.000	10.274	13.656	140815.717	144518.745	2.562
Aliphatic C21-C28	10685002.000	80.000	13.657	17.330	133562.525	136707.720	2.301
Aliphatic C28-C40	12783559.000	120.000	17.331	22.272	106529.658	105590.394	-0.890
Aliphatic EPH	45285719.000	360.000	3.178	22.272	125793.664	127500.849	1.339

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Jan 2025 14:00
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015182.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.178	6.820	7819920.000	60.000	ug/ml
Aliphatic C12-C16	6.821	10.273	5548295.000	40.000	ug/ml
Aliphatic C16-C21	10.274	13.656	8448943.000	60.000	ug/ml
Aliphatic C21-C28	13.657	17.330	10685002.000	80.000	ug/ml
Aliphatic C28-C40	17.331	22.272	12783559.000	120.000	ug/ml
Aliphatic EPH	3.178	22.272	45285719.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FG012825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG015197.D**						
Aliphatic C9-C12	7701724.000	60.000	3.178	6.820	128362.067	132888.697	3.406
Aliphatic C12-C16	5462110.000	40.000	6.821	10.273	136552.750	141209.859	3.298
Aliphatic C16-C21	8325655.000	60.000	10.274	13.656	138760.917	144518.745	3.984
Aliphatic C21-C28	10490876.000	80.000	13.657	17.330	131135.950	136707.720	4.076
Aliphatic C28-C40	12721706.000	120.000	17.331	22.272	106014.217	105590.394	-0.401
Aliphatic EPH	44702071.000	360.000	3.178	22.272	124172.419	127500.849	2.611

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Jan 2025 22:59
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015197.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.178	6.820	7701724.000	60.000	ug/ml
Aliphatic C12-C16	6.821	10.273	5462110.000	40.000	ug/ml
Aliphatic C16-C21	10.274	13.656	8325655.000	60.000	ug/ml
Aliphatic C21-C28	13.657	17.330	10490876.000	80.000	ug/ml
Aliphatic C28-C40	17.331	22.272	12721706.000	120.000	ug/ml
Aliphatic EPH	3.178	22.272	44702071.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015332.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 18:43
Operator : YP\AJ
Sample : Q1194-01
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
B-110-SB01

Integration File: autoint1.e
Quant Time: Jan 29 00:49:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.992	6244647	47.308 ug/ml
Spiked Amount 50.000		Recovery =	94.62%
6) S 2-Flurobiphenyl (SURR)	8.864	3695410	43.780 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery =	87.56%
11) S ortho-Terphenyl (SURR)	11.929	5690388	33.056 ug/ml
Spiked Amount 50.000		Recovery =	66.11%
Target Compounds			

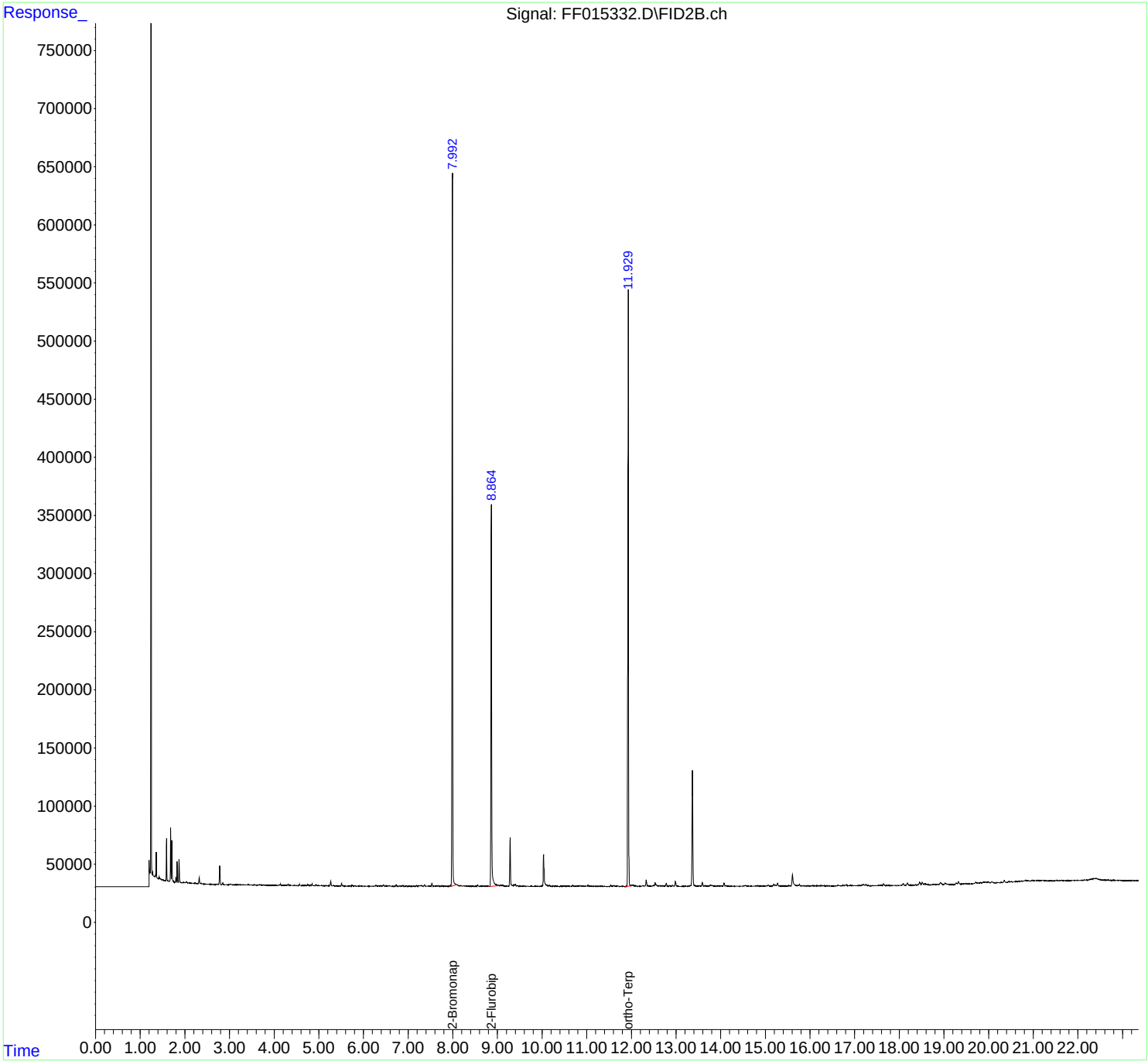
(f)=RT Delta > 1/2 Window (m)=manual int.

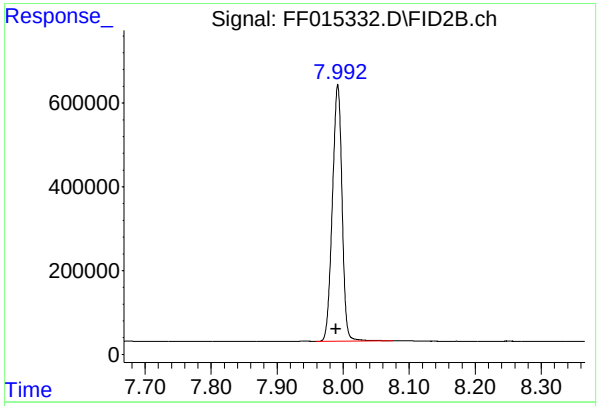
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015332.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 18:43
Operator : YP\AJ
Sample : Q1194-01
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
B-110-SB01

Integration File: autoint1.e
Quant Time: Jan 29 00:49:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

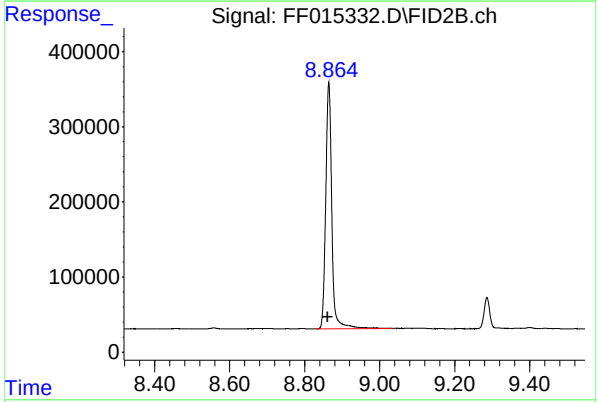




#4 2-Bromonaphthalene (SURR)

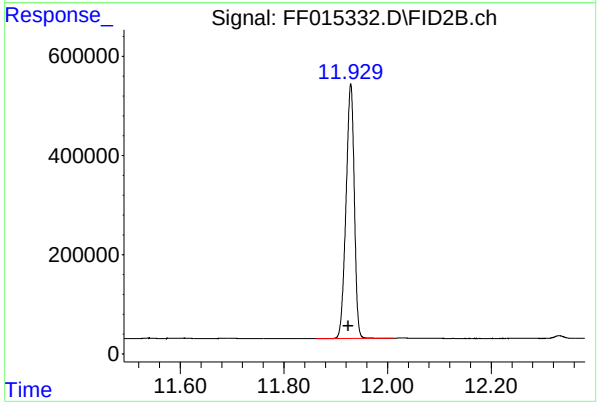
R.T.: 7.992 min
Delta R.T.: 0.003 min
Response: 6244647
Conc: 47.31 ug/ml

Instrument :
FID_F
ClientSampleId :
B-110-SB01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.864 min
Delta R.T.: 0.003 min
Response: 3695410
Conc: 43.78 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.929 min
Delta R.T.: 0.004 min
Response: 5690388
Conc: 33.06 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015332.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 18:43
Sample : Q1194-01
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.451	4.440	4.471	VV	224	2530	0.04%	0.012%
2	4.511	4.497	4.521	VV	174	1608	0.03%	0.008%
3	4.565	4.535	4.587	PV	802	9954	0.16%	0.047%
4	4.603	4.587	4.639	VV	188	4187	0.07%	0.020%
5	4.647	4.639	4.671	VV	196	2438	0.04%	0.012%
6	4.694	4.671	4.717	VV	458	6212	0.10%	0.030%
7	4.755	4.717	4.780	PV	1156	17896	0.29%	0.085%
8	4.785	4.780	4.792	VV	247	1531	0.02%	0.007%
9	4.817	4.798	4.833	VV	900	9983	0.16%	0.047%
10	4.851	4.833	4.871	VV	1705	18168	0.29%	0.086%
11	4.885	4.871	4.909	VV	192	3209	0.05%	0.015%
12	4.929	4.909	4.972	VV	899	18169	0.29%	0.086%
13	4.982	4.972	5.041	VV	448	10386	0.17%	0.049%
14	5.060	5.041	5.107	VV	514	8563	0.14%	0.041%
15	5.121	5.107	5.134	VV	131	1629	0.03%	0.008%
16	5.140	5.134	5.153	VV	148	1160	0.02%	0.006%
17	5.178	5.153	5.215	VV	315	5956	0.10%	0.028%
18	5.241	5.222	5.248	VV	587	6043	0.10%	0.029%
19	5.268	5.248	5.303	VV	4051	48425	0.77%	0.230%
20	5.329	5.303	5.370	VV	798	10326	0.16%	0.049%
21	5.388	5.370	5.431	VV	180	2915	0.05%	0.014%
22	5.474	5.462	5.490	VV	197	2121	0.03%	0.010%
23	5.510	5.490	5.556	PV	2244	28034	0.45%	0.133%
24	5.561	5.556	5.575	VV	138	1224	0.02%	0.006%
25	5.579	5.575	5.614	VV	120	1415	0.02%	0.007%
26	5.668	5.646	5.687	VV	166	2368	0.04%	0.011%
27	5.707	5.687	5.724	VV	418	5038	0.08%	0.024%
28	5.748	5.724	5.768	VV	1136	13462	0.22%	0.064%
29	5.779	5.768	5.790	VV	191	1636	0.03%	0.008%
30	5.805	5.790	5.839	VV	385	5434	0.09%	0.026%
31	5.853	5.839	5.860	VV	119	1083	0.02%	0.005%
32	5.898	5.860	5.915	VV	245	4681	0.07%	0.022%
33	5.961	5.939	5.999	VV	204	4479	0.07%	0.021%
34	6.013	5.999	6.035	VV	225	2725	0.04%	0.013%
35	6.046	6.035	6.079	VV	169	2860	0.05%	0.014%
36	6.086	6.079	6.109	VV	161	1290	0.02%	0.006%

rteres

37	6.189	6.158	6.207	VV	173	2880	0.05%	0.014%
38	6.217	6.207	6.236	VV	220	2672	0.04%	0.013%
39	6.276	6.236	6.309	VV	928	17431	0.28%	0.083%
40	6.334	6.309	6.357	VV	467	9182	0.15%	0.044%
41	6.379	6.357	6.414	VV	858	14047	0.22%	0.067%
42	6.447	6.414	6.472	VV	1339	19999	0.32%	0.095%
43	6.475	6.472	6.489	VV	192	2015	0.03%	0.010%
44	6.502	6.489	6.513	VV	433	5359	0.09%	0.025%
45	6.517	6.513	6.549	VV	487	6126	0.10%	0.029%
46	6.578	6.549	6.603	VV	737	11293	0.18%	0.054%
47	6.619	6.612	6.649	VV	223	2667	0.04%	0.013%
48	6.654	6.649	6.671	VV	133	1054	0.02%	0.005%
49	6.732	6.704	6.762	VV	1465	17663	0.28%	0.084%
50	6.770	6.762	6.797	VV	186	3397	0.05%	0.016%
51	6.816	6.797	6.839	VV	625	8356	0.13%	0.040%
52	6.855	6.839	6.868	VV	443	4531	0.07%	0.022%
53	6.886	6.868	6.906	VV	1020	11628	0.19%	0.055%
54	6.920	6.906	6.940	VV	321	3750	0.06%	0.018%
55	6.961	6.940	6.980	VV	584	6363	0.10%	0.030%
56	7.060	7.030	7.084	PV	211	3346	0.05%	0.016%
57	7.114	7.084	7.139	VV	218	3735	0.06%	0.018%
58	7.186	7.165	7.215	VV	731	8517	0.14%	0.040%
59	7.241	7.215	7.258	VV	785	11107	0.18%	0.053%
60	7.263	7.258	7.275	VV	419	3865	0.06%	0.018%
61	7.289	7.275	7.340	VV	727	16610	0.27%	0.079%
62	7.368	7.340	7.424	VV	1479	25902	0.41%	0.123%
63	7.450	7.424	7.470	VV	418	7383	0.12%	0.035%
64	7.480	7.470	7.505	VV	341	3934	0.06%	0.019%
65	7.534	7.505	7.567	VV	2722	33786	0.54%	0.161%
66	7.593	7.567	7.607	VV	492	7036	0.11%	0.033%
67	7.610	7.607	7.631	VV	427	4792	0.08%	0.023%
68	7.642	7.631	7.655	VV	487	5007	0.08%	0.024%
69	7.676	7.655	7.701	VV	861	11532	0.18%	0.055%
70	7.716	7.701	7.724	VV	187	2092	0.03%	0.010%
71	7.739	7.724	7.753	VV	409	4709	0.08%	0.022%
72	7.768	7.753	7.792	VV	533	5874	0.09%	0.028%
73	7.804	7.792	7.813	VV	145	1001	0.02%	0.005%
74	7.835	7.813	7.876	VV	179	2973	0.05%	0.014%
75	7.890	7.876	7.901	VV	165	1606	0.03%	0.008%
76	7.912	7.901	7.923	VV	214	2012	0.03%	0.010%
77	7.942	7.923	7.960	VV	964	11321	0.18%	0.054%
78	7.992	7.960	8.044	VV	613103	6259178	100.00%	29.738%
79	8.049	8.044	8.079	VV	2631	41896	0.67%	0.199%
80	8.089	8.079	8.153	VV	1633	49061	0.78%	0.233%
81	8.172	8.153	8.197	VV	656	13500	0.22%	0.064%
82	8.206	8.197	8.228	VV	514	6842	0.11%	0.033%
83	8.250	8.228	8.279	VV	740	12786	0.20%	0.061%
84	8.305	8.279	8.327	VV	415	7563	0.12%	0.036%
85	8.347	8.327	8.353	VV	311	3994	0.06%	0.019%
86	8.356	8.353	8.372	VV	235	1827	0.03%	0.009%
87	8.378	8.372	8.383	VV	221	1153	0.02%	0.005%
88	8.386	8.383	8.430	VV	161	3339	0.05%	0.016%
89	8.456	8.430	8.489	VV	489	9438	0.15%	0.045%

rteres

90	8.493	8.489	8.524	VV	233	3474	0.06%	0.017%
91	8.558	8.524	8.579	VV	1472	18628	0.30%	0.089%
92	8.588	8.579	8.604	VV	305	3416	0.05%	0.016%
93	8.611	8.604	8.617	VV	194	1208	0.02%	0.006%
94	8.672	8.617	8.689	VV	506	13857	0.22%	0.066%
95	8.703	8.689	8.735	VV	534	9428	0.15%	0.045%
96	8.754	8.735	8.775	VV	411	5979	0.10%	0.028%
97	8.793	8.775	8.830	VV	615	7953	0.13%	0.038%
98	8.864	8.830	9.007	VV	328118	3725742	59.52%	17.701%
99	9.017	9.007	9.036	VV	1111	17426	0.28%	0.083%
100	9.044	9.036	9.063	VV	862	12902	0.21%	0.061%
101	9.077	9.063	9.087	VV	951	12188	0.19%	0.058%
102	9.102	9.087	9.142	VV	1089	27620	0.44%	0.131%
103	9.164	9.142	9.183	VV	502	8986	0.14%	0.043%
104	9.212	9.183	9.237	VV	585	11602	0.19%	0.055%
105	9.245	9.237	9.250	VV	378	2447	0.04%	0.012%
106	9.286	9.250	9.354	VV	42179	471147	7.53%	2.238%
107	9.366	9.354	9.377	VV	1135	13456	0.21%	0.064%
108	9.401	9.377	9.425	VV	2015	33673	0.54%	0.160%
109	9.442	9.425	9.462	VV	980	14732	0.24%	0.070%
110	9.471	9.462	9.495	VV	564	7295	0.12%	0.035%
111	9.521	9.503	9.554	VV	462	6466	0.10%	0.031%
112	9.571	9.554	9.592	VV	450	6760	0.11%	0.032%
113	9.610	9.592	9.652	VV	363	7309	0.12%	0.035%
114	9.667	9.652	9.680	VV	363	4056	0.06%	0.019%
115	9.688	9.680	9.730	VV	314	4773	0.08%	0.023%
116	9.752	9.730	9.788	VV	740	11820	0.19%	0.056%
117	9.801	9.788	9.813	VV	125	1269	0.02%	0.006%
118	9.828	9.813	9.846	VV	266	3564	0.06%	0.017%
119	9.851	9.846	9.872	VV	162	1589	0.03%	0.008%
120	9.892	9.872	9.914	VV	352	4565	0.07%	0.022%
121	9.951	9.914	9.977	VV	222	4316	0.07%	0.021%
122	10.002	9.977	10.012	VV	1125	12261	0.20%	0.058%
123	10.034	10.012	10.145	VV	27476	412858	6.60%	1.962%
124	10.166	10.145	10.211	VV	1002	21129	0.34%	0.100%
125	10.234	10.211	10.293	VV	459	14166	0.23%	0.067%
126	10.310	10.293	10.315	VV	231	2430	0.04%	0.012%
127	10.340	10.315	10.359	VV	456	4903	0.08%	0.023%
128	10.395	10.377	10.428	VV	235	4563	0.07%	0.022%
129	10.446	10.428	10.457	VV	229	3122	0.05%	0.015%
130	10.494	10.457	10.527	VV	465	12060	0.19%	0.057%
131	10.560	10.527	10.577	VV	427	8836	0.14%	0.042%
132	10.591	10.577	10.615	VV	482	7879	0.13%	0.037%
133	10.647	10.615	10.660	VV	370	8084	0.13%	0.038%
134	10.687	10.660	10.712	VV	1223	16282	0.26%	0.077%
135	10.722	10.712	10.749	VV	342	5227	0.08%	0.025%
136	10.766	10.749	10.779	VV	508	6696	0.11%	0.032%
137	10.792	10.779	10.817	VV	514	8949	0.14%	0.043%
138	10.837	10.817	10.874	VV	602	15647	0.25%	0.074%
139	10.890	10.874	10.944	VV	540	16641	0.27%	0.079%
140	10.960	10.944	10.981	VV	454	7826	0.13%	0.037%
141	11.033	10.981	11.079	VV	1044	26138	0.42%	0.124%

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142	11.097	11.079	11.107	VV	301	3531	0.06%	0.017%
143	11.118	11.107	11.149	VV	291	5970	0.10%	0.028%
144	11.173	11.149	11.205	VV	359	8492	0.14%	0.040%
145	11.232	11.205	11.259	VV	294	7460	0.12%	0.035%
146	11.277	11.259	11.302	VV	299	6887	0.11%	0.033%
147	11.330	11.302	11.349	VV	519	9987	0.16%	0.047%
148	11.359	11.349	11.395	VV	307	5172	0.08%	0.025%
149	11.401	11.395	11.420	VV	168	1975	0.03%	0.009%
150	11.432	11.420	11.472	VV	158	2300	0.04%	0.011%
151	11.539	11.496	11.570	VV	1032	16533	0.26%	0.079%
152	11.610	11.570	11.642	VV	979	20375	0.33%	0.097%
153	11.687	11.642	11.752	VV	650	18523	0.30%	0.088%
154	11.769	11.752	11.789	VV	296	4511	0.07%	0.021%
155	11.805	11.789	11.862	VV	301	6442	0.10%	0.031%
156	11.929	11.862	11.987	PV	514229	5711822	91.26%	27.137%
157	12.001	11.987	12.010	VV	900	11820	0.19%	0.056%
158	12.028	12.010	12.060	VV	1457	28286	0.45%	0.134%
159	12.091	12.060	12.147	VV	876	25221	0.40%	0.120%
160	12.172	12.147	12.191	VV	326	6911	0.11%	0.033%
161	12.270	12.191	12.297	VV	809	27537	0.44%	0.131%
162	12.331	12.297	12.359	VV	5880	81680	1.30%	0.388%
163	12.373	12.359	12.395	VV	928	13299	0.21%	0.063%
164	12.413	12.395	12.462	VV	509	14466	0.23%	0.069%
165	12.494	12.462	12.509	VV	781	16457	0.26%	0.078%
166	12.530	12.509	12.622	VV	3334	84729	1.35%	0.403%
167	12.633	12.622	12.724	VV	609	30210	0.48%	0.144%
168	12.730	12.724	12.745	VV	488	5421	0.09%	0.026%
169	12.780	12.745	12.815	VV	2822	44889	0.72%	0.213%
170	12.855	12.815	12.897	VV	867	18025	0.29%	0.086%
171	12.919	12.897	12.940	VV	1039	14628	0.23%	0.070%
172	12.985	12.940	13.034	VV	4177	69214	1.11%	0.329%
173	13.039	13.034	13.121	VV	330	5609	0.09%	0.027%
174	13.202	13.121	13.223	VV	384	9607	0.15%	0.046%
175	13.244	13.223	13.264	VV	195	3664	0.06%	0.017%
176	13.288	13.264	13.302	VV	471	7304	0.12%	0.035%
177	13.323	13.302	13.332	VV	709	10163	0.16%	0.048%
178	13.365	13.332	13.468	VV	99943	1262720	20.17%	5.999%
179	13.479	13.468	13.512	VV	347	7844	0.13%	0.037%
180	13.532	13.512	13.560	VV	483	9886	0.16%	0.047%
181	13.588	13.560	13.624	VV	3308	51212	0.82%	0.243%
182	13.648	13.624	13.691	VV	523	15755	0.25%	0.075%
183	13.711	13.691	13.721	VV	419	6126	0.10%	0.029%
184	13.729	13.721	13.745	VV	383	5181	0.08%	0.025%
185	13.770	13.745	13.867	VV	1038	44283	0.71%	0.210%
186	13.870	13.867	13.893	VV	335	3753	0.06%	0.018%
187	13.940	13.893	13.962	VV	539	14595	0.23%	0.069%
188	13.983	13.962	14.017	VV	490	10022	0.16%	0.048%
189	14.073	14.017	14.101	VV	2843	45651	0.73%	0.217%
190	14.119	14.101	14.165	VV	823	15248	0.24%	0.072%
191	14.180	14.165	14.199	VV	209	3050	0.05%	0.014%
192	14.237	14.199	14.268	VV	256	6265	0.10%	0.030%
193	14.280	14.268	14.309	VV	148	1857	0.03%	0.009%
194	14.352	14.309	14.372	PV	168	4022	0.06%	0.019%

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195	14.380	14.372	14.404	VV	140	1821	0.03%	0.009%
196	14.416	14.404	14.430	VV	116	1012	0.02%	0.005%
197	14.460	14.430	14.492	VV	217	4007	0.06%	0.019%
198	14.522	14.492	14.537	PV	374	7202	0.12%	0.034%
199	14.556	14.537	14.592	VV	800	15663	0.25%	0.074%
200	14.598	14.592	14.660	VV	262	7033	0.11%	0.033%
201	14.683	14.660	14.709	VV	236	5190	0.08%	0.025%
202	14.748	14.709	14.758	VV	143	3291	0.05%	0.016%
203	14.786	14.758	14.802	VV	309	5414	0.09%	0.026%
204	14.845	14.802	14.920	VV	394	17221	0.28%	0.082%
205	14.941	14.920	14.950	VV	187	2145	0.03%	0.010%
206	15.002	14.950	15.013	VV	276	6936	0.11%	0.033%
207	15.063	15.013	15.151	VV	1126	28000	0.45%	0.133%
208	15.187	15.151	15.209	VV	1644	30196	0.48%	0.143%
209	15.224	15.209	15.250	VV	1108	19712	0.31%	0.094%
210	15.271	15.250	15.365	VV	2493	46078	0.74%	0.219%
211	15.392	15.365	15.454	VV	461	11540	0.18%	0.055%
212	15.461	15.454	15.485	VV	140	1591	0.03%	0.008%
213	15.527	15.485	15.568	VV	719	15013	0.24%	0.071%
214	15.605	15.568	15.724	VV	9908	211185	3.37%	1.003%
215	15.762	15.724	15.789	VV	1239	26955	0.43%	0.128%
216	15.807	15.789	15.847	VV	405	9664	0.15%	0.046%
217	15.872	15.847	15.908	VV	302	7133	0.11%	0.034%
218	15.956	15.908	16.005	VV	346	9178	0.15%	0.044%
219	16.031	16.005	16.040	VV	204	3304	0.05%	0.016%
220	16.067	16.040	16.087	VV	303	5901	0.09%	0.028%
221	16.122	16.087	16.130	VV	330	6662	0.11%	0.032%
222	16.136	16.130	16.160	VV	314	4103	0.07%	0.019%
223	16.179	16.160	16.194	VV	329	5231	0.08%	0.025%
224	16.209	16.194	16.227	VV	300	5407	0.09%	0.026%
225	16.246	16.227	16.277	VV	760	12312	0.20%	0.058%
226	16.308	16.277	16.343	VV	389	8914	0.14%	0.042%
227	16.353	16.343	16.367	VV	155	1283	0.02%	0.006%
228	16.387	16.367	16.409	VV	232	3681	0.06%	0.017%
229	16.427	16.409	16.520	VV	232	5950	0.10%	0.028%
230	16.558	16.544	16.575	VV	85	1098	0.02%	0.005%
231	16.627	16.575	16.707	VV	742	22550	0.36%	0.107%
232	16.731	16.707	16.762	VV	765	16122	0.26%	0.077%
233	16.813	16.762	16.875	VV	1219	35785	0.57%	0.170%
234	16.910	16.875	17.000	VV	527	23319	0.37%	0.111%
235	17.027	17.000	17.045	VV	220	4588	0.07%	0.022%
236	17.092	17.045	17.117	VV	400	11507	0.18%	0.055%
237	17.163	17.117	17.178	VV	710	17860	0.29%	0.085%
238	17.199	17.178	17.224	VV	1373	23496	0.38%	0.112%
239	17.248	17.224	17.349	VV	1362	31574	0.50%	0.150%
240	17.395	17.349	17.432	VV	190	3118	0.05%	0.015%
241	17.478	17.455	17.502	PV	153	2317	0.04%	0.011%
242	17.533	17.502	17.551	VV	394	6698	0.11%	0.032%
243	17.593	17.551	17.624	VV	401	12825	0.20%	0.061%
244	17.650	17.624	17.707	VV	1623	27365	0.44%	0.130%
245	17.746	17.707	17.781	VV	459	10592	0.17%	0.050%
246	17.828	17.781	17.872	VV	177	6548	0.10%	0.031%

					rteres			
247	17.877	17.872	17.900	VV	135	2042	0.03%	0.010%
248	17.929	17.900	17.950	VV	162	3170	0.05%	0.015%
249	17.958	17.950	17.987	VV	107	1278	0.02%	0.006%
250	18.088	17.987	18.120	PV	1821	34661	0.55%	0.165%
251	18.181	18.120	18.221	VV	2159	39809	0.64%	0.189%
252	18.239	18.221	18.252	VV	308	4320	0.07%	0.021%
253	18.259	18.252	18.286	VV	263	3190	0.05%	0.015%
254	18.315	18.286	18.338	VV	247	3930	0.06%	0.019%
255	18.365	18.338	18.385	PV	404	6765	0.11%	0.032%
256	18.407	18.385	18.422	VV	441	6665	0.11%	0.032%
257	18.452	18.422	18.486	VV	2272	50851	0.81%	0.242%
258	18.513	18.486	18.545	VV	2532	49148	0.79%	0.234%
259	18.571	18.545	18.680	VV	989	45667	0.73%	0.217%
260	18.690	18.680	18.705	VV	151	1311	0.02%	0.006%
261	18.769	18.705	18.800	PBA	382	11652	0.19%	0.055%
			Sum of corrected areas:			21047957		

Aromatic EPH 011425.M Wed Jan 29 02:04:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015189.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 18:43
Operator : YP\AJ
Sample : Q1194-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
B-110-SB01

Integration File: autoint1.e
Quant Time: Jan 29 02:36:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.385	5519886	45.333 ug/ml
Spiked Amount 50.000		Recovery = 90.67%	
Target Compounds			

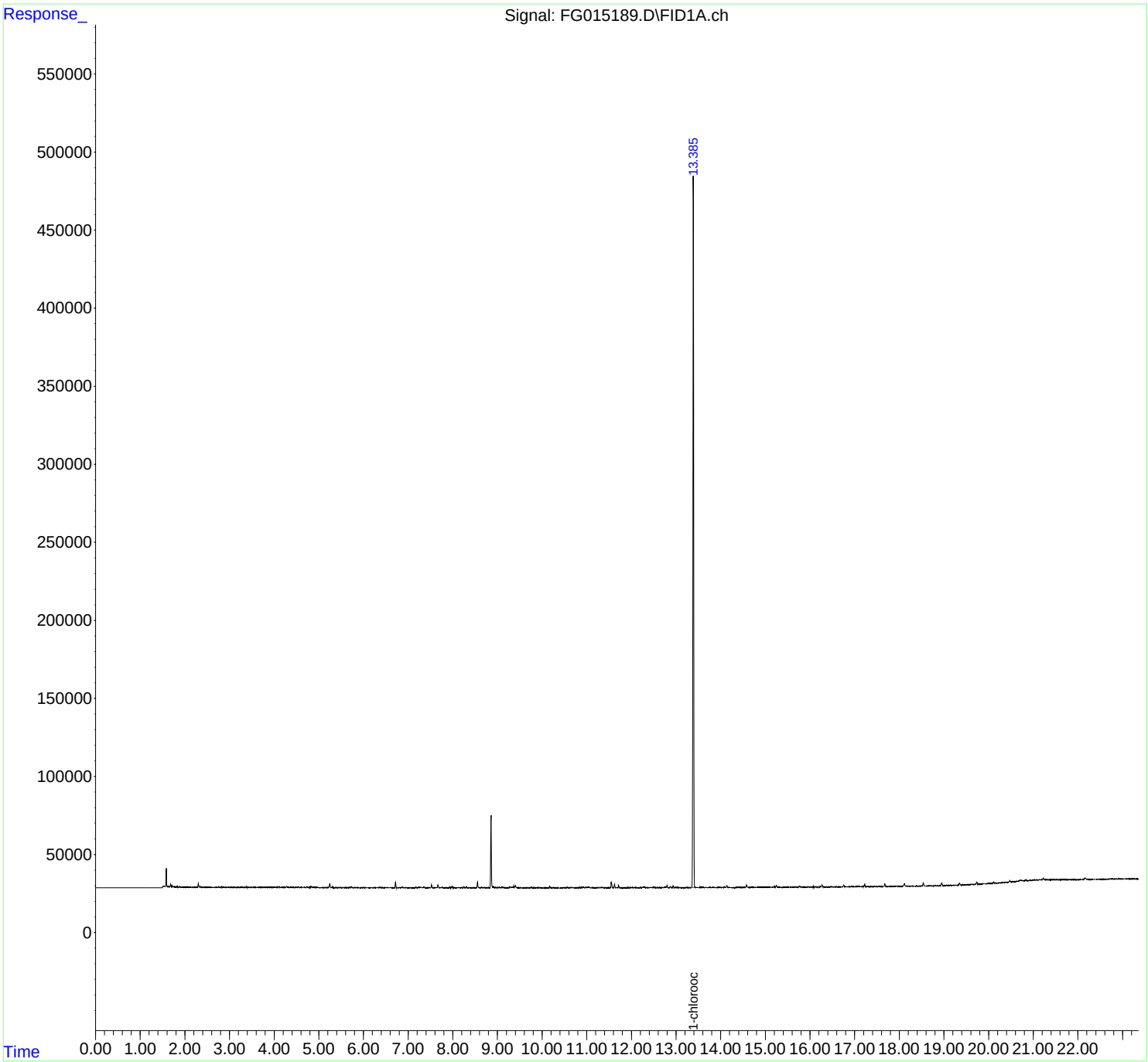
(f)=RT Delta > 1/2 Window (m)=manual int.

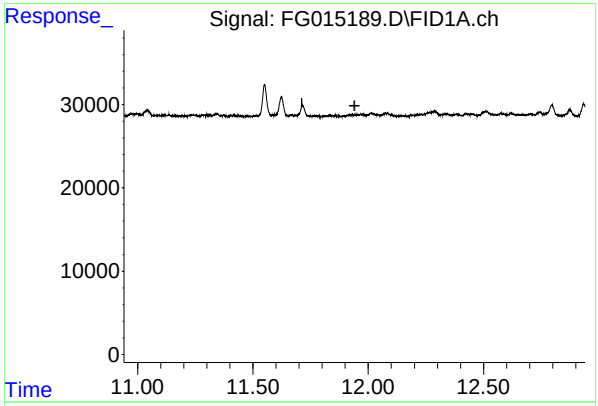
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015189.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 18:43
Operator : YP\AJ
Sample : Q1194-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
B-110-SB01

Integration File: autoint1.e
Quant Time: Jan 29 02:36:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

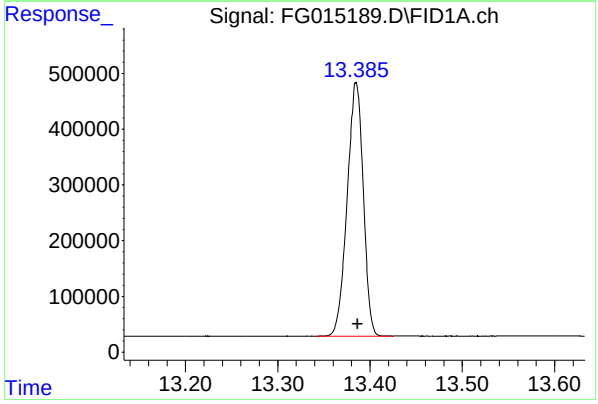




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.940 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
B-110-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.385 min
Delta R.T.: -0.002 min
Response: 5519886
Conc: 45.33 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015189.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 18:43
Sample : Q1194-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.281	3.221	3.312	BV	227	2480	0.04%	0.027%
2	3.321	3.312	3.355	PV	66	574	0.01%	0.006%
3	3.388	3.355	3.485	VV	114	3343	0.06%	0.036%
4	3.498	3.485	3.507	VV	90	899	0.02%	0.010%
5	3.521	3.507	3.653	VV	136	6609	0.12%	0.072%
6	3.673	3.653	3.720	VV	185	4063	0.07%	0.044%
7	3.731	3.720	3.745	VV	166	1696	0.03%	0.018%
8	3.760	3.745	3.840	VV	249	4857	0.09%	0.053%
9	3.879	3.840	3.928	VV	236	4223	0.08%	0.046%
10	3.935	3.928	3.948	VV	61	529	0.01%	0.006%
11	3.962	3.948	4.031	VV	94	2689	0.05%	0.029%
12	4.079	4.031	4.093	PV	202	3971	0.07%	0.043%
13	4.112	4.093	4.176	VV	556	7895	0.14%	0.086%
14	4.194	4.176	4.225	VV	150	2529	0.05%	0.027%
15	4.249	4.225	4.268	VV	225	3915	0.07%	0.043%
16	4.284	4.268	4.340	VV	503	7831	0.14%	0.085%
17	4.356	4.340	4.432	VV	140	4859	0.09%	0.053%
18	4.442	4.432	4.448	VV	103	805	0.01%	0.009%
19	4.478	4.448	4.489	VV	101	2386	0.04%	0.026%
20	4.495	4.489	4.501	VV	81	564	0.01%	0.006%
21	4.541	4.501	4.567	VV	556	8763	0.16%	0.095%
22	4.578	4.567	4.641	VV	149	4334	0.08%	0.047%
23	4.668	4.641	4.698	VV	288	4643	0.08%	0.050%
24	4.729	4.698	4.752	VV	730	9502	0.17%	0.103%
25	4.761	4.752	4.771	VV	189	1612	0.03%	0.018%
26	4.793	4.771	4.808	VV	512	6247	0.11%	0.068%
27	4.826	4.808	4.846	VV	998	10671	0.19%	0.116%
28	4.853	4.846	4.871	VV	157	1783	0.03%	0.019%
29	4.892	4.871	4.924	VV	165	4036	0.07%	0.044%
30	4.954	4.924	4.981	VV	194	5137	0.09%	0.056%
31	5.000	4.981	5.017	VV	179	2571	0.05%	0.028%
32	5.029	5.017	5.089	VV	134	4122	0.07%	0.045%
33	5.099	5.089	5.105	VV	76	541	0.01%	0.006%
34	5.112	5.105	5.119	VV	83	562	0.01%	0.006%
35	5.159	5.119	5.191	VV	167	3868	0.07%	0.042%
36	5.245	5.191	5.281	VV	2561	34523	0.62%	0.375%

rteres

37	5.308	5.281	5.333	VV	506	6589	0.12%	0.072%
38	5.341	5.333	5.362	VV	71	1004	0.02%	0.011%
39	5.367	5.362	5.404	VV	92	843	0.02%	0.009%
40	5.425	5.404	5.435	VV	107	1310	0.02%	0.014%
41	5.456	5.435	5.477	VV	161	2141	0.04%	0.023%
42	5.496	5.477	5.553	VV	169	3215	0.06%	0.035%
43	5.569	5.553	5.599	VV	95	1486	0.03%	0.016%
44	5.647	5.599	5.664	VV	179	2787	0.05%	0.030%
45	5.684	5.664	5.704	VV	439	5162	0.09%	0.056%
46	5.728	5.704	5.765	VV	771	9698	0.18%	0.105%
47	5.789	5.765	5.837	VV	230	4177	0.08%	0.045%
48	5.879	5.837	5.905	VV	173	3674	0.07%	0.040%
49	5.915	5.905	5.922	VV	81	522	0.01%	0.006%
50	5.929	5.922	5.937	PV	45	378	0.01%	0.004%
51	5.951	5.937	5.970	PV	75	1191	0.02%	0.013%
52	5.994	5.970	6.040	VV	171	3905	0.07%	0.042%
53	6.053	6.040	6.141	VV	97	2954	0.05%	0.032%
54	6.152	6.141	6.161	VV	66	507	0.01%	0.006%
55	6.258	6.161	6.305	VV	215	8086	0.15%	0.088%
56	6.318	6.305	6.345	VV	262	3674	0.07%	0.040%
57	6.364	6.345	6.397	VV	490	7110	0.13%	0.077%
58	6.409	6.397	6.418	VV	145	1526	0.03%	0.017%
59	6.431	6.418	6.457	VV	265	3858	0.07%	0.042%
60	6.502	6.457	6.529	VV	236	7225	0.13%	0.078%
61	6.550	6.529	6.596	VV	144	3975	0.07%	0.043%
62	6.607	6.596	6.625	VV	142	1563	0.03%	0.017%
63	6.642	6.625	6.663	VV	96	1323	0.02%	0.014%
64	6.681	6.663	6.692	VV	101	1113	0.02%	0.012%
65	6.719	6.692	6.785	VV	3801	43935	0.79%	0.477%
66	6.807	6.785	6.828	VV	459	5639	0.10%	0.061%
67	6.842	6.828	6.856	VV	274	3225	0.06%	0.035%
68	6.875	6.856	6.895	VV	728	8900	0.16%	0.097%
69	6.909	6.895	6.931	VV	275	2931	0.05%	0.032%
70	6.949	6.931	6.966	VV	402	4332	0.08%	0.047%
71	6.975	6.966	7.025	VV	106	1865	0.03%	0.020%
72	7.050	7.025	7.085	VV	116	2303	0.04%	0.025%
73	7.098	7.085	7.109	VV	89	1129	0.02%	0.012%
74	7.126	7.109	7.150	VV	108	1474	0.03%	0.016%
75	7.177	7.150	7.211	PV	474	6227	0.11%	0.068%
76	7.232	7.211	7.266	VV	577	10943	0.20%	0.119%
77	7.283	7.266	7.324	VV	496	11278	0.20%	0.123%
78	7.360	7.324	7.388	VV	813	14357	0.26%	0.156%
79	7.402	7.388	7.419	VV	263	2737	0.05%	0.030%
80	7.444	7.419	7.456	VV	261	3457	0.06%	0.038%
81	7.470	7.456	7.503	VV	214	4191	0.08%	0.046%
82	7.527	7.503	7.555	VV	1908	21972	0.40%	0.239%
83	7.588	7.555	7.619	VV	282	6686	0.12%	0.073%
84	7.635	7.619	7.648	VV	330	4239	0.08%	0.046%
85	7.670	7.648	7.698	VV	1988	23766	0.43%	0.258%
86	7.705	7.698	7.720	VV	178	2522	0.05%	0.027%
87	7.732	7.720	7.748	VV	309	3654	0.07%	0.040%
88	7.763	7.748	7.813	VV	351	6473	0.12%	0.070%
89	7.847	7.813	7.867	VV	200	3929	0.07%	0.043%

rteres

90	7.881	7.867	7.915	VV	142	2257	0.04%	0.025%
91	7.937	7.915	7.961	VV	702	8606	0.16%	0.093%
92	7.984	7.961	8.081	VV	1063	19737	0.36%	0.214%
93	8.101	8.081	8.121	VV	217	4079	0.07%	0.044%
94	8.134	8.121	8.151	VV	283	4146	0.07%	0.045%
95	8.158	8.151	8.181	VV	276	2783	0.05%	0.030%
96	8.201	8.181	8.223	VV	319	4078	0.07%	0.044%
97	8.248	8.223	8.283	VV	868	10947	0.20%	0.119%
98	8.304	8.283	8.326	VV	907	9665	0.17%	0.105%
99	8.338	8.326	8.354	VV	187	2324	0.04%	0.025%
100	8.374	8.354	8.391	VV	339	4281	0.08%	0.047%
101	8.407	8.391	8.437	VV	169	2816	0.05%	0.031%
102	8.461	8.437	8.481	VV	340	4974	0.09%	0.054%
103	8.490	8.481	8.523	VV	114	2381	0.04%	0.026%
104	8.555	8.523	8.582	VV	3834	43221	0.78%	0.470%
105	8.591	8.582	8.635	VV	261	5276	0.10%	0.057%
106	8.656	8.635	8.691	VV	358	9436	0.17%	0.103%
107	8.705	8.691	8.735	VV	387	5690	0.10%	0.062%
108	8.751	8.735	8.774	VV	311	4375	0.08%	0.048%
109	8.792	8.774	8.822	VV	405	4992	0.09%	0.054%
110	8.858	8.822	8.948	VV	46758	504038	9.12%	5.475%
111	8.974	8.948	8.992	VV	331	7271	0.13%	0.079%
112	9.012	8.992	9.037	VV	407	8986	0.16%	0.098%
113	9.049	9.037	9.080	VV	430	8350	0.15%	0.091%
114	9.100	9.080	9.143	VV	763	16577	0.30%	0.180%
115	9.163	9.143	9.197	VV	299	5243	0.09%	0.057%
116	9.217	9.197	9.237	VV	316	4135	0.07%	0.045%
117	9.284	9.237	9.304	VV	916	15868	0.29%	0.172%
118	9.324	9.304	9.336	VV	724	9099	0.16%	0.099%
119	9.360	9.336	9.371	VV	671	12007	0.22%	0.130%
120	9.402	9.371	9.456	VV	1563	35681	0.65%	0.388%
121	9.476	9.456	9.501	VV	469	5730	0.10%	0.062%
122	9.525	9.501	9.551	VV	299	4085	0.07%	0.044%
123	9.575	9.551	9.622	VV	216	5991	0.11%	0.065%
124	9.631	9.622	9.657	VV	154	2469	0.04%	0.027%
125	9.691	9.657	9.731	VV	372	8417	0.15%	0.091%
126	9.756	9.731	9.798	VV	718	12005	0.22%	0.130%
127	9.809	9.798	9.837	VV	216	3415	0.06%	0.037%
128	9.854	9.837	9.875	VV	193	2780	0.05%	0.030%
129	9.896	9.875	9.922	VV	399	5362	0.10%	0.058%
130	9.950	9.922	9.991	VV	466	7065	0.13%	0.077%
131	10.007	9.991	10.020	VV	129	1415	0.03%	0.015%
132	10.039	10.020	10.065	VV	141	1858	0.03%	0.020%
133	10.090	10.065	10.133	PV	282	4864	0.09%	0.053%
134	10.139	10.133	10.145	VV	100	578	0.01%	0.006%
135	10.171	10.145	10.198	VV	1309	15957	0.29%	0.173%
136	10.209	10.198	10.225	VV	92	1108	0.02%	0.012%
137	10.253	10.225	10.328	VV	235	10304	0.19%	0.112%
138	10.342	10.328	10.403	VV	190	3247	0.06%	0.035%
139	10.453	10.403	10.471	PV	165	3622	0.07%	0.039%
140	10.493	10.471	10.511	VV	262	4523	0.08%	0.049%
141	10.520	10.511	10.534	VV	242	2495	0.05%	0.027%

rteres

142	10.566	10.534	10.588	VV	425	8959	0.16%	0.097%
143	10.605	10.588	10.628	VV	331	5881	0.11%	0.064%
144	10.646	10.628	10.671	VV	268	5555	0.10%	0.060%
145	10.692	10.671	10.721	VV	317	6208	0.11%	0.067%
146	10.730	10.721	10.748	VV	147	1931	0.03%	0.021%
147	10.778	10.748	10.788	VV	328	5167	0.09%	0.056%
148	10.803	10.788	10.829	VV	281	5788	0.10%	0.063%
149	10.856	10.829	10.880	VV	434	9898	0.18%	0.108%
150	10.914	10.880	10.951	VV	674	15853	0.29%	0.172%
151	10.972	10.951	11.018	VV	393	12414	0.22%	0.135%
152	11.044	11.018	11.068	VV	824	14877	0.27%	0.162%
153	11.093	11.068	11.148	VV	237	8643	0.16%	0.094%
154	11.169	11.148	11.215	VV	173	5004	0.09%	0.054%
155	11.233	11.215	11.268	VV	238	5380	0.10%	0.058%
156	11.283	11.268	11.322	VV	236	5959	0.11%	0.065%
157	11.343	11.322	11.359	VV	391	5868	0.11%	0.064%
158	11.372	11.359	11.392	VV	229	2684	0.05%	0.029%
159	11.420	11.392	11.491	VV	208	5495	0.10%	0.060%
160	11.551	11.491	11.581	VV	3890	52038	0.94%	0.565%
161	11.624	11.581	11.655	VV	2399	35044	0.63%	0.381%
162	11.714	11.655	11.754	VV	1287	22447	0.41%	0.244%
163	11.773	11.754	11.800	VV	162	1865	0.03%	0.020%
164	11.835	11.800	11.877	PV	162	3461	0.06%	0.038%
165	11.932	11.877	11.958	VV	249	7039	0.13%	0.076%
166	11.974	11.958	11.992	VV	273	4484	0.08%	0.049%
167	12.014	11.992	12.055	VV	429	9868	0.18%	0.107%
168	12.076	12.055	12.123	VV	440	10017	0.18%	0.109%
169	12.142	12.123	12.172	VV	126	2369	0.04%	0.026%
170	12.189	12.172	12.197	VV	153	1772	0.03%	0.019%
171	12.287	12.197	12.309	VV	638	23341	0.42%	0.254%
172	12.337	12.309	12.364	VV	329	8072	0.15%	0.088%
173	12.384	12.364	12.407	VV	273	4980	0.09%	0.054%
174	12.428	12.407	12.441	VV	341	5216	0.09%	0.057%
175	12.448	12.441	12.469	VV	265	3839	0.07%	0.042%
176	12.512	12.469	12.557	VV	606	17838	0.32%	0.194%
177	12.576	12.557	12.603	VV	383	7183	0.13%	0.078%
178	12.620	12.603	12.685	VV	326	10244	0.19%	0.111%
179	12.706	12.685	12.722	VV	290	5028	0.09%	0.055%
180	12.744	12.722	12.763	VV	520	8734	0.16%	0.095%
181	12.796	12.763	12.840	VV	1346	23223	0.42%	0.252%
182	12.874	12.840	12.903	VV	745	12057	0.22%	0.131%
183	12.935	12.903	12.961	VV	1458	19590	0.35%	0.213%
184	12.973	12.961	12.978	VV	164	1540	0.03%	0.017%
185	13.003	12.978	13.026	VV	321	6073	0.11%	0.066%
186	13.052	13.026	13.122	VV	351	8500	0.15%	0.092%
187	13.131	13.122	13.171	PV	103	1299	0.02%	0.014%
188	13.222	13.171	13.242	VV	218	5761	0.10%	0.063%
189	13.261	13.242	13.281	VV	161	2781	0.05%	0.030%
190	13.317	13.281	13.333	VV	172	4270	0.08%	0.046%
191	13.385	13.333	13.423	VV	457393	5528829	100.00%	60.061%
192	13.446	13.423	13.471	VV	320	7190	0.13%	0.078%
193	13.487	13.471	13.501	VV	218	2942	0.05%	0.032%
194	13.549	13.501	13.582	VV	503	13331	0.24%	0.145%

rteres

195	13.603	13.582	13.642	VV	302	8666	0.16%	0.094%
196	13.652	13.642	13.665	VV	163	2005	0.04%	0.022%
197	13.671	13.665	13.702	VV	220	3781	0.07%	0.041%
198	13.754	13.702	13.798	VV	299	11690	0.21%	0.127%
199	13.824	13.798	13.874	VV	371	10532	0.19%	0.114%
200	13.895	13.874	13.914	VV	163	2972	0.05%	0.032%
201	13.929	13.914	13.940	VV	193	2381	0.04%	0.026%
202	13.992	13.940	14.030	VV	326	11097	0.20%	0.121%
203	14.051	14.030	14.060	VV	161	2563	0.05%	0.028%
204	14.086	14.060	14.112	VV	650	10318	0.19%	0.112%
205	14.138	14.112	14.180	VV	1315	18773	0.34%	0.204%
206	14.194	14.180	14.208	VV	130	1713	0.03%	0.019%
207	14.224	14.208	14.264	VV	119	2459	0.04%	0.027%
208	14.275	14.264	14.310	VV	71	787	0.01%	0.009%
209	14.320	14.310	14.331	PV	32	409	0.01%	0.004%
210	14.354	14.331	14.396	VV	213	5515	0.10%	0.060%
211	14.434	14.396	14.450	VV	190	4365	0.08%	0.047%
212	14.469	14.450	14.495	VV	179	3624	0.07%	0.039%
213	14.504	14.495	14.513	VV	140	1123	0.02%	0.012%
214	14.527	14.513	14.548	VV	129	2466	0.04%	0.027%
215	14.576	14.548	14.681	VV	1331	26112	0.47%	0.284%
216	14.704	14.681	14.738	VV	473	7373	0.13%	0.080%
217	14.762	14.738	14.777	VV	179	3221	0.06%	0.035%
218	14.794	14.777	14.808	VV	193	3106	0.06%	0.034%
219	14.847	14.808	14.871	VV	234	7725	0.14%	0.084%
220	14.877	14.871	14.886	VV	210	1673	0.03%	0.018%
221	14.900	14.886	14.940	VV	211	5594	0.10%	0.061%
222	14.962	14.940	14.972	VV	243	3357	0.06%	0.036%
223	14.994	14.972	15.007	VV	223	4002	0.07%	0.043%
224	15.021	15.007	15.040	VV	220	4087	0.07%	0.044%
225	15.053	15.040	15.068	VV	293	3723	0.07%	0.040%
226	15.081	15.068	15.128	VV	213	5585	0.10%	0.061%
227	15.136	15.128	15.148	VV	149	1427	0.03%	0.016%
228	15.201	15.148	15.220	VV	536	10361	0.19%	0.113%
229	15.245	15.220	15.289	VV	1319	21436	0.39%	0.233%
230	15.297	15.289	15.341	VV	144	3109	0.06%	0.034%
231	15.371	15.341	15.380	VV	99	1556	0.03%	0.017%
232	15.418	15.380	15.465	VV	230	6829	0.12%	0.074%
233	15.487	15.465	15.535	VV	170	4357	0.08%	0.047%
234	15.556	15.535	15.588	VV	146	2485	0.04%	0.027%
235	15.606	15.588	15.615	VV	92	1075	0.02%	0.012%
236	15.632	15.615	15.640	VV	139	1624	0.03%	0.018%
237	15.674	15.640	15.715	VV	231	6691	0.12%	0.073%
238	15.769	15.715	15.801	VV	766	15144	0.27%	0.165%
239	15.819	15.801	15.848	VV	169	3433	0.06%	0.037%
240	15.909	15.848	15.928	VV	160	4503	0.08%	0.049%
241	15.949	15.928	15.985	VV	222	5188	0.09%	0.056%
242	16.010	15.985	16.025	VV	159	3076	0.06%	0.033%
243	16.078	16.025	16.119	VV	430	10628	0.19%	0.115%
244	16.124	16.119	16.193	VV	212	6337	0.11%	0.069%
245	16.232	16.193	16.246	VV	408	6094	0.11%	0.066%
246	16.270	16.246	16.300	VV	1425	21785	0.39%	0.237%

rteres

247	16.311	16.300	16.348	VV	192	3433	0.06%	0.037%
248	16.359	16.348	16.401	VV	114	1596	0.03%	0.017%
249	16.438	16.401	16.470	VV	163	4767	0.09%	0.052%
250	16.478	16.470	16.535	VV	158	3666	0.07%	0.040%
251	16.583	16.535	16.620	PV	168	4977	0.09%	0.054%
252	16.633	16.620	16.650	VV	136	1951	0.04%	0.021%
253	16.667	16.650	16.699	VV	125	2764	0.05%	0.030%
254	16.755	16.699	16.817	VV	1156	22840	0.41%	0.248%
255	16.833	16.817	16.890	VV	188	5971	0.11%	0.065%
256	16.919	16.890	16.938	VV	265	5908	0.11%	0.064%
257	16.947	16.938	17.031	VV	210	8055	0.15%	0.088%
258	17.067	17.031	17.082	VV	325	7535	0.14%	0.082%
259	17.094	17.082	17.145	VV	268	8153	0.15%	0.089%
260	17.150	17.145	17.164	VV	233	1941	0.04%	0.021%
261	17.189	17.164	17.200	VV	385	5580	0.10%	0.061%
262	17.223	17.200	17.281	VV	1740	26516	0.48%	0.288%
263	17.296	17.281	17.313	VV	93	1243	0.02%	0.014%
264	17.375	17.313	17.408	VV	159	4966	0.09%	0.054%
265	17.442	17.408	17.478	VV	176	3826	0.07%	0.042%
266	17.534	17.478	17.595	VV	162	6414	0.12%	0.070%
267	17.609	17.595	17.619	VV	69	721	0.01%	0.008%
268	17.675	17.619	17.745	PV	1767	26707	0.48%	0.290%
269	17.785	17.745	17.861	PV	143	6206	0.11%	0.067%
270	17.876	17.861	17.893	VV	65	1046	0.02%	0.011%
271	17.938	17.893	17.987	VV	192	7490	0.14%	0.081%
272	18.019	17.987	18.031	VV	85	1858	0.03%	0.020%
273	18.114	18.031	18.141	VV	1843	31440	0.57%	0.342%
274	18.162	18.141	18.207	VV	121	3122	0.06%	0.034%
275	18.267	18.207	18.311	VV	204	7121	0.13%	0.077%
276	18.322	18.311	18.368	VV	44	678	0.01%	0.007%
277	18.393	18.368	18.421	PV	213	4207	0.08%	0.046%
278	18.440	18.421	18.455	VV	116	1486	0.03%	0.016%
279	18.498	18.455	18.511	VV	193	3344	0.06%	0.036%
280	18.537	18.511	18.590	VV	2103	31188	0.56%	0.339%
281	18.627	18.590	18.655	PV	161	3402	0.06%	0.037%
282	18.737	18.655	18.777	VV	164	5800	0.10%	0.063%
283	18.806	18.777	18.831	VV	207	4181	0.08%	0.045%
284	18.849	18.831	18.894	VV	86	2283	0.04%	0.025%
285	18.948	18.894	19.015	VV	1847	32370	0.59%	0.352%
286	19.026	19.015	19.038	PV	80	526	0.01%	0.006%
287	19.111	19.038	19.148	PV	149	6893	0.12%	0.075%
288	19.155	19.148	19.165	VV	48	645	0.01%	0.007%
289	19.205	19.165	19.227	VV	158	3251	0.06%	0.035%
290	19.248	19.227	19.260	VV	106	1282	0.02%	0.014%
291	19.347	19.260	19.428	PV	1350	23880	0.43%	0.259%
292	19.524	19.428	19.539	PV	174	7152	0.13%	0.078%
293	19.549	19.539	19.569	VV	103	1586	0.03%	0.017%
294	19.605	19.569	19.621	VV	207	4033	0.07%	0.044%
295	19.639	19.621	19.653	VV	167	2392	0.04%	0.026%
296	19.734	19.653	19.769	VV	1462	30547	0.55%	0.332%
297	19.782	19.769	19.801	VV	234	3681	0.07%	0.040%
298	19.990	19.801	20.007	VV	414	29261	0.53%	0.318%
299	20.037	20.007	20.073	VV	387	11847	0.21%	0.129%

rteres

300	20.110	20.073	20.144	VV	1103	23519	0.43%	0.255%
301	20.348	20.144	20.356	VV	561	50215	0.91%	0.546%
302	20.476	20.356	20.505	VV	1704	67032	1.21%	0.728%
303	20.538	20.505	20.555	VV	846	23275	0.42%	0.253%
304	20.626	20.555	20.637	VV	872	38781	0.70%	0.421%
305	20.740	20.637	20.797	VV	1363	108874	1.97%	1.183%
306	20.837	20.797	20.878	VV	1481	58047	1.05%	0.631%
307	21.011	20.878	21.060	VV	1404	131419	2.38%	1.428%
308	21.152	21.060	21.166	VV	1306	81121	1.47%	0.881%
309	21.224	21.166	21.263	VV	2042	86993	1.57%	0.945%
310	21.329	21.263	21.339	VV	1197	53919	0.98%	0.586%
311	21.348	21.339	21.378	VV	1172	26085	0.47%	0.283%
312	21.396	21.378	21.421	VV	1089	27341	0.49%	0.297%
313	21.433	21.421	21.448	VV	1050	16092	0.29%	0.175%
314	21.455	21.448	21.468	VV	1000	11685	0.21%	0.127%
315	21.477	21.468	21.491	VV	992	13456	0.24%	0.146%
316	21.497	21.491	21.522	VV	958	16741	0.30%	0.182%
317	21.567	21.522	21.629	VV	923	53799	0.97%	0.584%
318	21.664	21.629	21.714	VV	860	37659	0.68%	0.409%
319	21.724	21.714	21.735	VV	630	7590	0.14%	0.082%
320	21.747	21.735	21.824	VV	634	29503	0.53%	0.320%
321	21.832	21.824	21.871	VV	542	13360	0.24%	0.145%
322	21.885	21.871	21.947	VV	491	18985	0.34%	0.206%
323	22.013	21.947	22.025	VV	385	17199	0.31%	0.187%
324	22.047	22.025	22.078	VV	418	11035	0.20%	0.120%
325	22.159	22.078	22.229	VV	1134	46707	0.84%	0.507%
326	22.238	22.229	22.283	VV	272	6077	0.11%	0.066%
327	22.305	22.283	22.327	VV	175	3447	0.06%	0.037%
328	22.339	22.327	22.384	VV	130	3183	0.06%	0.035%
329	22.397	22.384	22.415	VV	97	1027	0.02%	0.011%
330	22.422	22.415	22.431	PV	75	311	0.01%	0.003%

Sum of corrected areas: 9205381

Aliphatic EPH 011425.M Wed Jan 29 03:44:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012925AR\
Data File : FF015353.D
Signal(s) : FID2B.ch
Acq On : 29 Jan 2025 09:48
Operator : YP\AJ
Sample : Q1194-02
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
B-110-SB02

Integration File: autoint1.e
Quant Time: Jan 30 02:44:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.989	6282099	47.591 ug/ml
Spiked Amount 50.000		Recovery =	95.18%
6) S 2-Flurobiphenyl (SURR)	8.862	4067153	48.184 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery =	96.37%
11) S ortho-Terphenyl (SURR)	11.927	4518606	26.249 ug/ml
Spiked Amount 50.000		Recovery =	52.50%
Target Compounds			

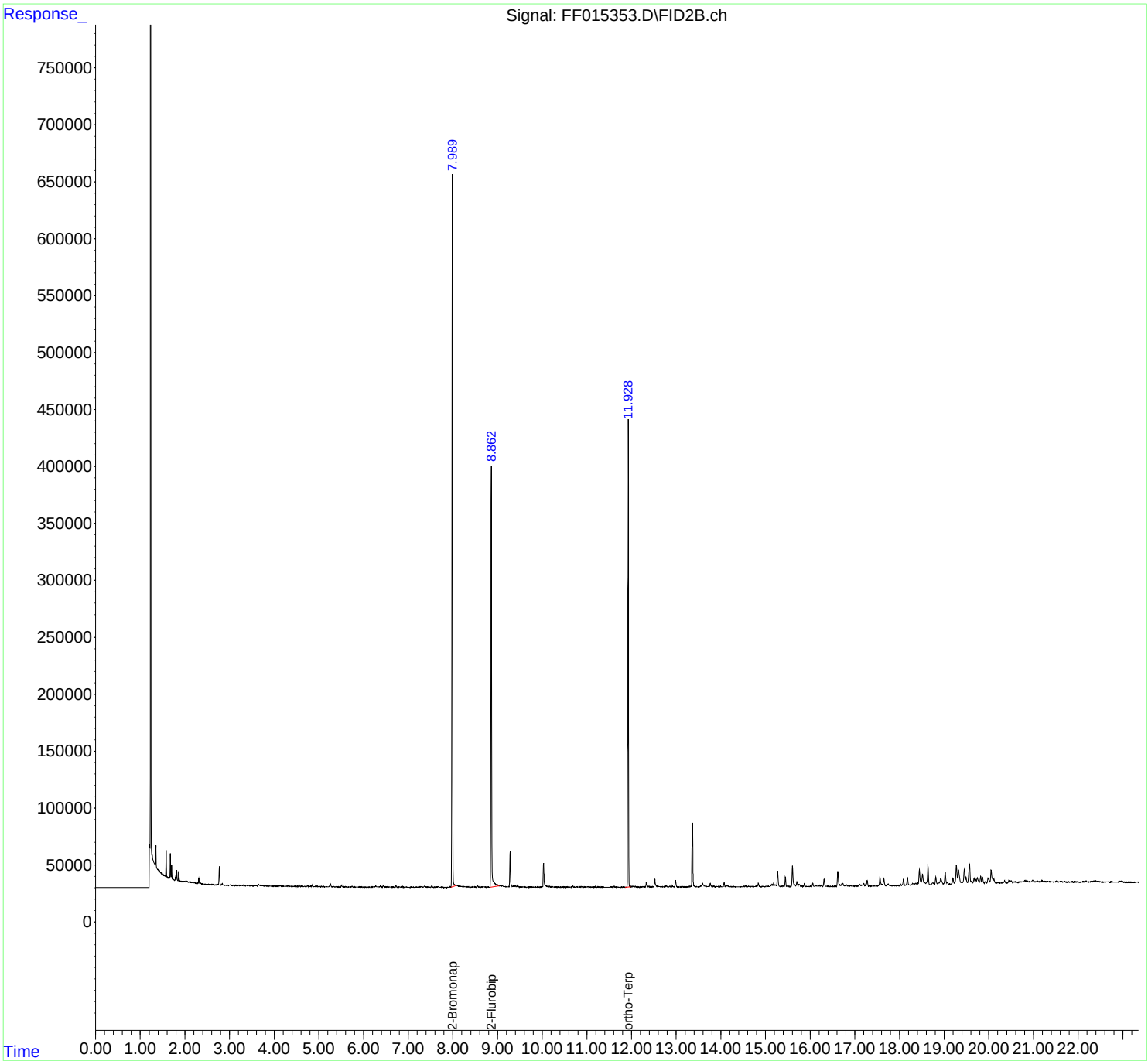
(f)=RT Delta > 1/2 Window (m)=manual int.

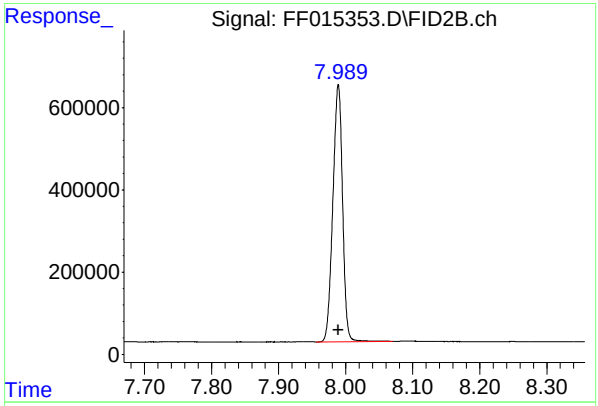
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012925AR\
Data File : FF015353.D
Signal(s) : FID2B.ch
Acq On : 29 Jan 2025 09:48
Operator : YP\AJ
Sample : Q1194-02
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
B-110-SB02

Integration File: autoint1.e
Quant Time: Jan 30 02:44:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

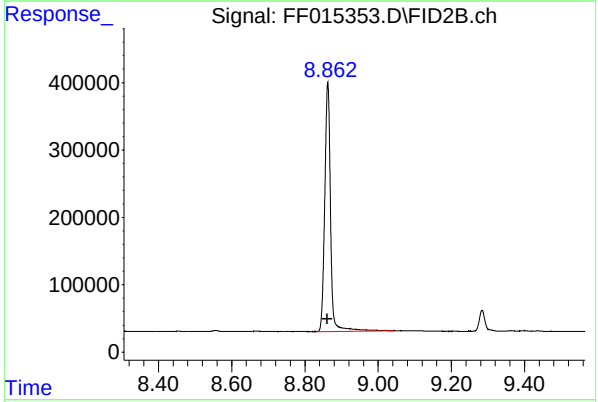




#4 2-Bromonaphthalene (SURR)

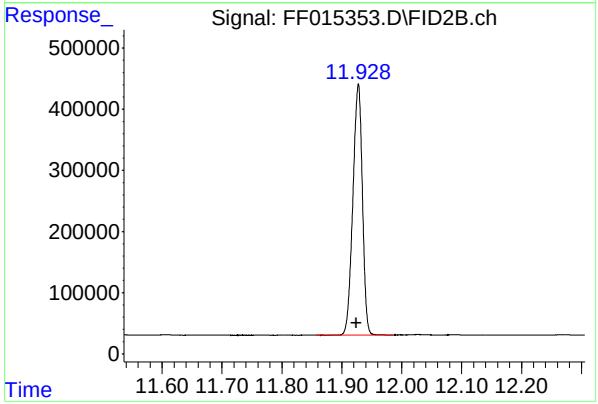
R.T.: 7.989 min
Delta R.T.: 0.000 min
Response: 6282099
Conc: 47.59 ug/ml

Instrument :
FID_F
ClientSampleId :
B-110-SB02



#6 2-Flurobiphenyl (SURR)

R.T.: 8.862 min
Delta R.T.: 0.000 min
Response: 4067153
Conc: 48.18 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.927 min
Delta R.T.: 0.003 min
Response: 4518606
Conc: 26.25 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012925AR\
Data File : FF015353.D
Signal(s) : FID2B.ch
Acq On : 29 Jan 2025 09:48
Sample : Q1194-02
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.444	4.429	4.490	VV	163	3468	0.06%	0.016%
2	4.507	4.490	4.537	VV	286	4858	0.08%	0.022%
3	4.561	4.537	4.583	VV	1019	12355	0.20%	0.056%
4	4.597	4.583	4.626	VV	212	3778	0.06%	0.017%
5	4.639	4.626	4.653	VV	198	2496	0.04%	0.011%
6	4.686	4.653	4.715	VV	448	6985	0.11%	0.031%
7	4.749	4.715	4.781	PV	984	15590	0.25%	0.070%
8	4.785	4.781	4.797	VV	190	1362	0.02%	0.006%
9	4.811	4.797	4.828	VV	704	7952	0.13%	0.036%
10	4.845	4.828	4.866	VV	1394	14975	0.24%	0.067%
11	4.870	4.866	4.882	VV	194	1639	0.03%	0.007%
12	4.936	4.882	4.962	VV	489	14506	0.23%	0.065%
13	4.973	4.962	5.036	VV	442	11512	0.18%	0.052%
14	5.053	5.036	5.097	VV	483	8397	0.13%	0.038%
15	5.117	5.097	5.129	VV	218	2884	0.05%	0.013%
16	5.135	5.129	5.153	VV	147	1334	0.02%	0.006%
17	5.175	5.153	5.201	VV	237	3488	0.06%	0.016%
18	5.237	5.212	5.245	VV	482	5723	0.09%	0.026%
19	5.263	5.245	5.297	VV	2813	34114	0.54%	0.153%
20	5.324	5.297	5.350	VV	522	7736	0.12%	0.035%
21	5.383	5.362	5.407	PV	232	3241	0.05%	0.015%
22	5.433	5.429	5.454	VV	110	1006	0.02%	0.005%
23	5.468	5.454	5.489	VV	184	2359	0.04%	0.011%
24	5.507	5.489	5.547	VV	1674	21938	0.35%	0.099%
25	5.552	5.547	5.570	VV	225	1754	0.03%	0.008%
26	5.580	5.570	5.587	VV	164	1210	0.02%	0.005%
27	5.598	5.587	5.627	VV	116	1914	0.03%	0.009%
28	5.665	5.651	5.680	VV	197	2015	0.03%	0.009%
29	5.700	5.680	5.724	VV	401	5706	0.09%	0.026%
30	5.742	5.724	5.764	VV	815	9887	0.16%	0.044%
31	5.806	5.764	5.819	VV	260	5008	0.08%	0.023%
32	5.831	5.827	5.855	VV	114	1208	0.02%	0.005%
33	5.875	5.870	5.902	VV	150	2023	0.03%	0.009%
34	5.960	5.932	5.985	PV	223	3663	0.06%	0.016%
35	6.010	5.985	6.026	VV	187	2758	0.04%	0.012%
36	6.077	6.062	6.124	VV	220	4748	0.08%	0.021%

rteres

37	6.138	6.124	6.152	VV	125	1757	0.03%	0.008%
38	6.190	6.152	6.209	VV	283	7416	0.12%	0.033%
39	6.220	6.209	6.225	VV	384	3354	0.05%	0.015%
40	6.231	6.225	6.248	VV	387	4210	0.07%	0.019%
41	6.274	6.248	6.320	VV	1199	23466	0.37%	0.105%
42	6.326	6.320	6.355	VV	447	7488	0.12%	0.034%
43	6.374	6.355	6.419	VV	745	14881	0.24%	0.067%
44	6.444	6.419	6.472	VV	1565	21821	0.35%	0.098%
45	6.500	6.472	6.505	VV	406	5240	0.08%	0.024%
46	6.517	6.505	6.555	VV	385	7023	0.11%	0.032%
47	6.574	6.555	6.589	VV	511	6304	0.10%	0.028%
48	6.593	6.589	6.600	VV	220	1186	0.02%	0.005%
49	6.607	6.600	6.649	VV	236	4833	0.08%	0.022%
50	6.654	6.649	6.683	VV	137	2209	0.04%	0.010%
51	6.690	6.683	6.707	VV	114	1362	0.02%	0.006%
52	6.728	6.707	6.759	VV	1580	19658	0.31%	0.088%
53	6.767	6.759	6.792	VV	263	3271	0.05%	0.015%
54	6.812	6.792	6.833	VV	500	6927	0.11%	0.031%
55	6.849	6.833	6.867	VV	339	4318	0.07%	0.019%
56	6.882	6.867	6.902	VV	822	9347	0.15%	0.042%
57	6.913	6.902	6.939	VV	266	3245	0.05%	0.015%
58	6.957	6.939	6.984	PV	528	5592	0.09%	0.025%
59	7.005	6.984	7.012	VV	173	1689	0.03%	0.008%
60	7.060	7.032	7.091	PV	210	3697	0.06%	0.017%
61	7.116	7.091	7.130	VV	293	3880	0.06%	0.017%
62	7.137	7.130	7.149	VV	148	1126	0.02%	0.005%
63	7.185	7.159	7.214	VV	491	8092	0.13%	0.036%
64	7.239	7.214	7.274	VV	643	13921	0.22%	0.063%
65	7.288	7.274	7.334	VV	619	13989	0.22%	0.063%
66	7.367	7.334	7.420	VV	1247	25248	0.40%	0.113%
67	7.449	7.420	7.468	VV	572	9507	0.15%	0.043%
68	7.475	7.468	7.498	VV	296	3280	0.05%	0.015%
69	7.531	7.498	7.566	VV	1852	26120	0.41%	0.117%
70	7.590	7.566	7.598	VV	372	5208	0.08%	0.023%
71	7.616	7.598	7.630	VV	383	5695	0.09%	0.026%
72	7.637	7.630	7.653	VV	377	3961	0.06%	0.018%
73	7.673	7.653	7.699	VV	789	10809	0.17%	0.049%
74	7.711	7.699	7.725	VV	192	1940	0.03%	0.009%
75	7.741	7.725	7.750	VV	263	3150	0.05%	0.014%
76	7.767	7.750	7.786	VV	377	4510	0.07%	0.020%
77	7.790	7.786	7.830	VV	90	1275	0.02%	0.006%
78	7.843	7.830	7.867	VV	137	1549	0.02%	0.007%
79	7.889	7.867	7.899	PV	155	1535	0.02%	0.007%
80	7.940	7.899	7.956	VV	698	9113	0.14%	0.041%
81	7.989	7.956	8.040	VV	626012	6300714	100.00%	28.307%
82	8.048	8.040	8.071	VV	2348	37749	0.60%	0.170%
83	8.091	8.071	8.131	VV	1840	55361	0.88%	0.249%
84	8.136	8.131	8.154	VV	1111	14624	0.23%	0.066%
85	8.162	8.154	8.190	VV	986	18654	0.30%	0.084%
86	8.199	8.190	8.227	VV	871	15788	0.25%	0.071%
87	8.249	8.227	8.280	VV	1013	22392	0.36%	0.101%
88	8.284	8.280	8.292	VV	556	4111	0.07%	0.018%
89	8.305	8.292	8.322	VV	712	10162	0.16%	0.046%

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90	8.338	8.322	8.365	VV	560	11734	0.19%	0.053%
91	8.377	8.365	8.389	VV	406	5115	0.08%	0.023%
92	8.395	8.389	8.419	VV	364	5781	0.09%	0.026%
93	8.456	8.419	8.480	VV	672	16597	0.26%	0.075%
94	8.498	8.480	8.531	VV	417	9706	0.15%	0.044%
95	8.556	8.531	8.577	VV	1854	23194	0.37%	0.104%
96	8.582	8.577	8.598	VV	390	4068	0.06%	0.018%
97	8.605	8.598	8.613	VV	269	2208	0.04%	0.010%
98	8.668	8.613	8.687	VV	752	19583	0.31%	0.088%
99	8.697	8.687	8.727	VV	570	10312	0.16%	0.046%
100	8.753	8.727	8.772	VV	432	7100	0.11%	0.032%
101	8.790	8.772	8.820	VV	502	7858	0.12%	0.035%
102	8.863	8.820	9.035	VV	370313	4159151	66.01%	18.686%
103	9.036	9.035	9.040	VV	1529	4433	0.07%	0.020%
104	9.044	9.040	9.057	VV	1540	14871	0.24%	0.067%
105	9.064	9.057	9.080	VV	1514	20348	0.32%	0.091%
106	9.097	9.080	9.147	VV	1429	45618	0.72%	0.205%
107	9.158	9.147	9.187	VV	752	15917	0.25%	0.072%
108	9.194	9.187	9.198	VV	639	4158	0.07%	0.019%
109	9.210	9.198	9.241	VV	707	15428	0.24%	0.069%
110	9.284	9.241	9.331	VV	31859	372723	5.92%	1.675%
111	9.336	9.331	9.350	VV	826	9144	0.15%	0.041%
112	9.363	9.350	9.377	VV	1536	19190	0.30%	0.086%
113	9.400	9.377	9.420	VV	1511	28668	0.45%	0.129%
114	9.437	9.420	9.461	VV	1242	19538	0.31%	0.088%
115	9.473	9.461	9.505	VV	620	9696	0.15%	0.044%
116	9.518	9.505	9.537	VV	411	5629	0.09%	0.025%
117	9.568	9.537	9.590	VV	592	11362	0.18%	0.051%
118	9.613	9.590	9.647	VV	427	10311	0.16%	0.046%
119	9.677	9.647	9.706	VV	327	8622	0.14%	0.039%
120	9.713	9.706	9.729	VV	241	2483	0.04%	0.011%
121	9.751	9.729	9.808	VV	654	13859	0.22%	0.062%
122	9.829	9.808	9.871	VV	338	7917	0.13%	0.036%
123	9.889	9.871	9.931	VV	444	7787	0.12%	0.035%
124	9.944	9.931	9.974	VV	306	5089	0.08%	0.023%
125	10.000	9.974	10.012	VV	715	9801	0.16%	0.044%
126	10.032	10.012	10.146	VV	21320	321276	5.10%	1.443%
127	10.163	10.146	10.219	VV	1131	24703	0.39%	0.111%
128	10.234	10.219	10.260	VV	479	9317	0.15%	0.042%
129	10.264	10.260	10.285	VV	347	3701	0.06%	0.017%
130	10.290	10.285	10.312	VV	256	3109	0.05%	0.014%
131	10.315	10.312	10.325	VV	280	1634	0.03%	0.007%
132	10.331	10.325	10.335	VV	297	1444	0.02%	0.006%
133	10.340	10.335	10.375	VV	277	3929	0.06%	0.018%
134	10.394	10.375	10.422	VV	335	6043	0.10%	0.027%
135	10.433	10.422	10.439	VV	220	1647	0.03%	0.007%
136	10.443	10.439	10.453	VV	247	1531	0.02%	0.007%
137	10.497	10.453	10.517	VV	434	10245	0.16%	0.046%
138	10.521	10.517	10.535	VV	277	2405	0.04%	0.011%
139	10.556	10.535	10.574	VV	451	7371	0.12%	0.033%
140	10.591	10.574	10.612	VV	465	7481	0.12%	0.034%
141	10.618	10.612	10.640	VV	334	4859	0.08%	0.022%

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142	10.645	10.640	10.667	VV	336	3725	0.06%	0.017%
143	10.685	10.667	10.706	VV	1084	13159	0.21%	0.059%
144	10.722	10.706	10.742	VV	427	5642	0.09%	0.025%
145	10.766	10.742	10.784	VV	747	11051	0.18%	0.050%
146	10.790	10.784	10.815	VV	366	5709	0.09%	0.026%
147	10.835	10.815	10.864	VV	444	10784	0.17%	0.048%
148	10.887	10.864	10.893	VV	600	8570	0.14%	0.039%
149	10.898	10.893	10.940	VV	526	9419	0.15%	0.042%
150	10.961	10.940	10.974	VV	485	6022	0.10%	0.027%
151	10.977	10.974	10.984	VV	303	1752	0.03%	0.008%
152	10.987	10.984	10.996	VV	284	1975	0.03%	0.009%
153	11.031	10.996	11.070	VV	677	16564	0.26%	0.074%
154	11.096	11.070	11.105	VV	263	4331	0.07%	0.019%
155	11.125	11.105	11.151	VV	374	7465	0.12%	0.034%
156	11.171	11.151	11.195	VV	405	7974	0.13%	0.036%
157	11.200	11.195	11.211	VV	306	2240	0.04%	0.010%
158	11.217	11.211	11.236	VV	269	3891	0.06%	0.017%
159	11.253	11.236	11.257	VV	426	4481	0.07%	0.020%
160	11.273	11.257	11.313	VV	573	12399	0.20%	0.056%
161	11.332	11.313	11.354	VV	428	7060	0.11%	0.032%
162	11.359	11.354	11.371	VV	223	1945	0.03%	0.009%
163	11.375	11.371	11.422	VV	180	3517	0.06%	0.016%
164	11.430	11.422	11.437	VV	139	1051	0.02%	0.005%
165	11.442	11.437	11.462	VV	165	1120	0.02%	0.005%
166	11.475	11.462	11.500	PV	170	2047	0.03%	0.009%
167	11.537	11.514	11.560	VV	714	9508	0.15%	0.043%
168	11.582	11.560	11.590	VV	548	6060	0.10%	0.027%
169	11.605	11.590	11.636	VV	880	12655	0.20%	0.057%
170	11.658	11.636	11.667	VV	254	2744	0.04%	0.012%
171	11.684	11.667	11.722	VV	422	8475	0.13%	0.038%
172	11.732	11.722	11.752	PV	113	1166	0.02%	0.005%
173	11.769	11.752	11.788	VV	246	3135	0.05%	0.014%
174	11.800	11.788	11.828	VV	200	2825	0.04%	0.013%
175	11.854	11.828	11.880	PV	230	3116	0.05%	0.014%
176	11.928	11.880	11.990	VV	409805	4541568	72.08%	20.404%
177	12.026	11.990	12.062	VV	1166	30099	0.48%	0.135%
178	12.089	12.062	12.114	VV	791	15778	0.25%	0.071%
179	12.132	12.114	12.145	VV	301	4236	0.07%	0.019%
180	12.157	12.154	12.167	VV	239	1544	0.02%	0.007%
181	12.174	12.167	12.184	VV	181	1531	0.02%	0.007%
182	12.189	12.184	12.199	VV	189	1393	0.02%	0.006%
183	12.206	12.199	12.212	VV	253	1917	0.03%	0.009%
184	12.216	12.212	12.224	VV	265	1645	0.03%	0.007%
185	12.269	12.224	12.299	VV	725	19598	0.31%	0.088%
186	12.332	12.299	12.356	VV	4146	58750	0.93%	0.264%
187	12.372	12.356	12.394	VV	821	13605	0.22%	0.061%
188	12.406	12.394	12.462	VV	537	14878	0.24%	0.067%
189	12.523	12.462	12.593	VV	7046	135792	2.16%	0.610%
190	12.604	12.593	12.621	VV	853	11709	0.19%	0.053%
191	12.628	12.621	12.652	VV	645	10880	0.17%	0.049%
192	12.658	12.652	12.679	VV	613	8538	0.14%	0.038%
193	12.682	12.679	12.709	VV	503	7817	0.12%	0.035%
194	12.712	12.709	12.729	VV	428	4558	0.07%	0.020%

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195	12.736	12.729	12.748	VV	520	5002	0.08%	0.022%
196	12.779	12.748	12.825	VV	1655	32167	0.51%	0.145%
197	12.857	12.825	12.894	VV	865	16748	0.27%	0.075%
198	12.919	12.894	12.945	VV	1196	18250	0.29%	0.082%
199	12.984	12.945	13.029	VV	6054	90745	1.44%	0.408%
200	13.040	13.029	13.094	VV	381	7403	0.12%	0.033%
201	13.104	13.094	13.116	VV	171	1791	0.03%	0.008%
202	13.139	13.116	13.159	VV	741	10482	0.17%	0.047%
203	13.164	13.159	13.176	VV	114	1146	0.02%	0.005%
204	13.199	13.176	13.229	VV	295	5816	0.09%	0.026%
205	13.283	13.256	13.300	VV	620	8872	0.14%	0.040%
206	13.319	13.300	13.333	VV	716	9897	0.16%	0.044%
207	13.365	13.333	13.471	VV	56677	723058	11.48%	3.248%
208	13.477	13.471	13.509	VV	290	4635	0.07%	0.021%
209	13.554	13.509	13.565	VV	1343	23998	0.38%	0.108%
210	13.588	13.565	13.638	VV	3126	75855	1.20%	0.341%
211	13.646	13.638	13.706	VV	917	25086	0.40%	0.113%
212	13.712	13.706	13.717	VV	485	2834	0.04%	0.013%
213	13.727	13.717	13.734	VV	565	5037	0.08%	0.023%
214	13.761	13.734	13.868	VV	3223	78284	1.24%	0.352%
215	13.883	13.868	13.897	VV	360	5324	0.08%	0.024%
216	13.910	13.897	13.915	VV	367	3346	0.05%	0.015%
217	13.940	13.915	13.953	VV	525	8847	0.14%	0.040%
218	13.983	13.953	14.015	VV	563	12251	0.19%	0.055%
219	14.072	14.015	14.100	VV	3888	57075	0.91%	0.256%
220	14.118	14.100	14.129	VV	964	12303	0.20%	0.055%
221	14.144	14.129	14.161	VV	1282	17470	0.28%	0.078%
222	14.175	14.161	14.202	VV	807	11941	0.19%	0.054%
223	14.230	14.211	14.261	VV	428	6435	0.10%	0.029%
224	14.280	14.261	14.300	VV	217	2875	0.05%	0.013%
225	14.317	14.300	14.349	VV	217	4162	0.07%	0.019%
226	14.364	14.359	14.377	VV	151	1449	0.02%	0.007%
227	14.449	14.437	14.480	VV	206	3077	0.05%	0.014%
228	14.514	14.480	14.537	VV	672	12938	0.21%	0.058%
229	14.555	14.537	14.590	VV	852	16928	0.27%	0.076%
230	14.619	14.590	14.660	VV	605	13797	0.22%	0.062%
231	14.681	14.660	14.702	VV	523	7294	0.12%	0.033%
232	14.717	14.702	14.736	VV	370	5637	0.09%	0.025%
233	14.747	14.736	14.765	VV	334	4234	0.07%	0.019%
234	14.787	14.765	14.801	VV	777	11336	0.18%	0.051%
235	14.838	14.801	14.867	VV	3254	52850	0.84%	0.237%
236	14.874	14.867	14.928	VV	326	7128	0.11%	0.032%
237	14.941	14.928	14.968	VV	324	5684	0.09%	0.026%
238	14.971	14.968	14.983	VV	222	1567	0.02%	0.007%
239	15.017	14.983	15.055	VV	515	13918	0.22%	0.063%
240	15.067	15.055	15.084	VV	387	5198	0.08%	0.023%
241	15.147	15.084	15.163	VV	2281	55080	0.87%	0.247%
242	15.182	15.163	15.205	VV	3103	52461	0.83%	0.236%
243	15.222	15.205	15.242	VV	1764	31165	0.49%	0.140%
244	15.271	15.242	15.334	VV	13837	212836	3.38%	0.956%
245	15.354	15.334	15.369	VV	685	10037	0.16%	0.045%
246	15.389	15.369	15.415	VV	787	13498	0.21%	0.061%

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247	15.444	15.415	15.475	VV	8546	109241	1.73%	0.491%
248	15.498	15.475	15.568	VV	1317	22856	0.36%	0.103%
249	15.603	15.568	15.677	VV	18332	314708	4.99%	1.414%
250	15.702	15.677	15.728	VV	4409	71487	1.13%	0.321%
251	15.761	15.728	15.782	VV	1902	47296	0.75%	0.212%
252	15.793	15.782	15.835	VV	897	16734	0.27%	0.075%
253	15.872	15.835	15.919	VV	2836	43127	0.68%	0.194%
254	15.964	15.934	15.992	VV	329	6579	0.10%	0.030%
255	16.031	16.005	16.033	VV	279	3316	0.05%	0.015%
256	16.057	16.033	16.082	VV	3145	42201	0.67%	0.190%
257	16.126	16.082	16.167	VV	847	25171	0.40%	0.113%
258	16.178	16.167	16.187	VV	517	5900	0.09%	0.027%
259	16.207	16.187	16.227	VV	1089	17213	0.27%	0.077%
260	16.246	16.227	16.279	VV	1260	19130	0.30%	0.086%
261	16.310	16.279	16.369	VV	6563	97862	1.55%	0.440%
262	16.387	16.369	16.412	VV	407	7535	0.12%	0.034%
263	16.427	16.412	16.459	VV	298	5617	0.09%	0.025%
264	16.481	16.474	16.524	VV	66	1252	0.02%	0.006%
265	16.559	16.539	16.582	VV	147	2035	0.03%	0.009%
266	16.618	16.582	16.687	VV	13307	235775	3.74%	1.059%
267	16.709	16.687	16.717	VV	2266	32529	0.52%	0.146%
268	16.732	16.717	16.754	VV	2730	44193	0.70%	0.199%
269	16.777	16.754	16.786	VV	943	17359	0.28%	0.078%
270	16.811	16.786	16.852	VV	1547	34034	0.54%	0.153%
271	16.872	16.852	16.896	VV	538	10516	0.17%	0.047%
272	16.912	16.896	16.921	VV	519	6841	0.11%	0.031%
273	16.928	16.921	16.987	VV	452	11922	0.19%	0.054%
274	17.020	16.987	17.049	VV	253	7262	0.12%	0.033%
275	17.101	17.049	17.140	VV	1458	45698	0.73%	0.205%
276	17.161	17.140	17.179	VV	1136	22546	0.36%	0.101%
277	17.198	17.179	17.227	VV	2627	44025	0.70%	0.198%
278	17.249	17.227	17.258	VV	2418	30653	0.49%	0.138%
279	17.277	17.258	17.361	VV	5128	79589	1.26%	0.358%
280	17.388	17.361	17.397	PV	142	1320	0.02%	0.006%
281	17.432	17.419	17.459	VV	221	2714	0.04%	0.012%
282	17.486	17.459	17.500	VV	168	2236	0.04%	0.010%
283	17.562	17.500	17.605	VV	7572	143430	2.28%	0.644%
284	17.611	17.605	17.616	VV	1440	8510	0.14%	0.038%
285	17.619	17.616	17.625	VV	1366	6982	0.11%	0.031%
286	17.649	17.625	17.687	VV	6348	104971	1.67%	0.472%
287	17.694	17.687	17.710	VV	474	5523	0.09%	0.025%
288	17.746	17.710	17.752	VV	1305	22782	0.36%	0.102%
289	17.754	17.752	17.798	VV	1286	10834	0.17%	0.049%
290	17.818	17.798	17.843	PV	223	4141	0.07%	0.019%
291	17.866	17.843	17.891	VV	498	8551	0.14%	0.038%
292	17.926	17.904	17.940	VV	162	1856	0.03%	0.008%
293	17.965	17.940	17.991	VV	189	2876	0.05%	0.013%
294	18.018	17.991	18.041	PV	1294	20108	0.32%	0.090%
295	18.088	18.041	18.135	VV	5181	90022	1.43%	0.404%
296	18.178	18.135	18.232	VV	6850	116780	1.85%	0.525%
297	18.237	18.232	18.241	VV	291	1608	0.03%	0.007%
298	18.264	18.241	18.269	VV	540	7125	0.11%	0.032%
299	18.294	18.269	18.325	VV	1696	38776	0.62%	0.174%

rteres

300	18.337	18.325	18.349	VV	1325	16855	0.27%	0.076%
301	18.365	18.349	18.389	VV	1833	32028	0.51%	0.144%
302	18.409	18.389	18.419	VV	1900	24116	0.38%	0.108%
303	18.445	18.419	18.482	VV	13486	241942	3.84%	1.087%
304	18.515	18.482	18.551	VV	9495	202368	3.21%	0.909%
305	18.564	18.551	18.587	VV	2318	40325	0.64%	0.181%
306	18.638	18.587	18.672	VV	16557	265870	4.22%	1.194%
307	18.678	18.672	18.702	VV	239	2226	0.04%	0.010%
308	18.743	18.702	18.787	PV	1361	37805	0.60%	0.170%
			Sum of corrected areas:			22258590		

Aromatic EPH 011425.M Thu Jan 30 03:26:22 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015193.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 20:37
Operator : YP\AJ
Sample : Q1194-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
B-110-SB02

Integration File: autoint1.e
Quant Time: Jan 29 02:38:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.384	2781205	22.841 ug/ml
Spiked Amount 50.000		Recovery = 45.68%	
Target Compounds			

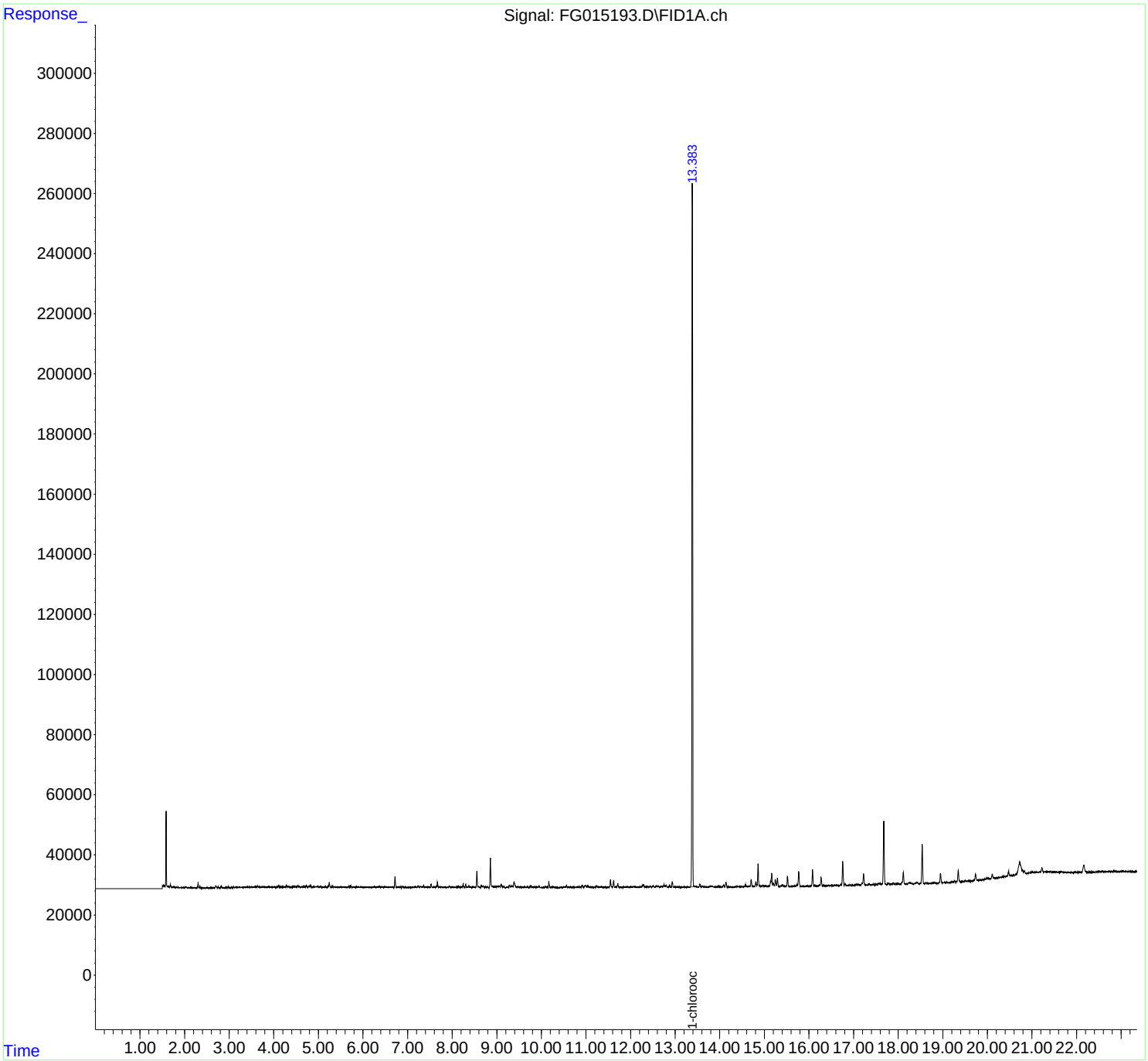
(f)=RT Delta > 1/2 Window (m)=manual int.

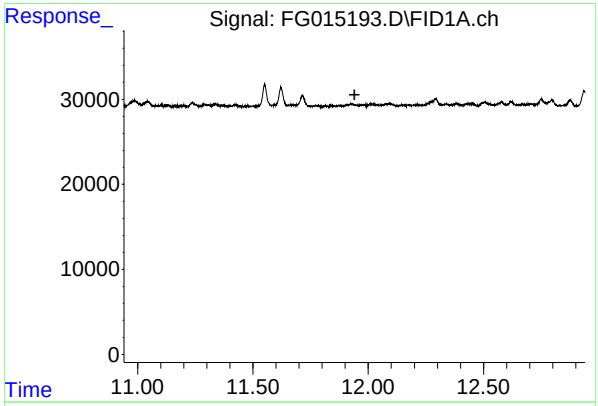
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015193.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 20:37
Operator : YP\AJ
Sample : Q1194-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
B-110-SB02

Integration File: autoint1.e
Quant Time: Jan 29 02:38:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

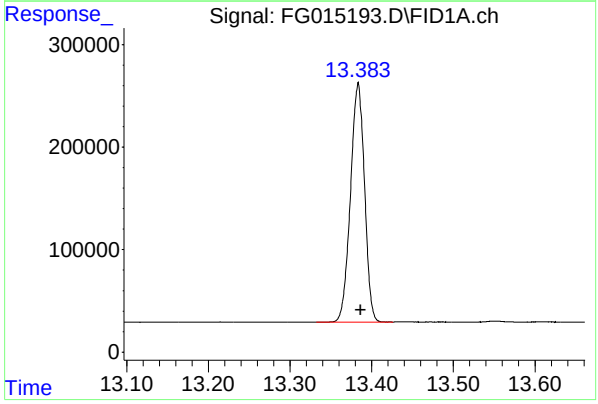




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.940 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
B-110-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 13.384 min
Delta R.T.: -0.003 min
Response: 2781205
Conc: 22.84 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015193.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 20:37
Sample : Q1194-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.284	3.222	3.315	BV	159	2724	0.10%	0.034%
2	3.374	3.315	3.388	PV	161	2527	0.09%	0.031%
3	3.396	3.388	3.435	VV	124	1976	0.07%	0.025%
4	3.490	3.435	3.508	VV	218	5520	0.20%	0.069%
5	3.526	3.508	3.558	VV	173	3679	0.13%	0.046%
6	3.639	3.558	3.658	VV	403	11305	0.40%	0.141%
7	3.676	3.658	3.711	VV	235	4860	0.17%	0.060%
8	3.736	3.711	3.823	VV	174	9053	0.32%	0.113%
9	3.833	3.823	3.849	VV	164	1841	0.07%	0.023%
10	3.867	3.849	3.892	VV	181	3153	0.11%	0.039%
11	3.908	3.892	3.989	VV	165	8338	0.30%	0.104%
12	4.005	3.989	4.046	VV	162	4460	0.16%	0.055%
13	4.080	4.046	4.093	VV	295	5593	0.20%	0.070%
14	4.113	4.093	4.139	VV	482	7794	0.28%	0.097%
15	4.152	4.139	4.178	VV	165	3675	0.13%	0.046%
16	4.189	4.178	4.198	VV	232	2273	0.08%	0.028%
17	4.206	4.198	4.238	VV	217	4612	0.17%	0.057%
18	4.284	4.238	4.308	VV	517	13240	0.47%	0.165%
19	4.316	4.308	4.327	VV	236	2521	0.09%	0.031%
20	4.337	4.327	4.385	VV	243	7112	0.25%	0.088%
21	4.461	4.385	4.508	VV	292	15404	0.55%	0.191%
22	4.540	4.508	4.602	VV	586	17119	0.61%	0.213%
23	4.610	4.602	4.648	VV	271	6449	0.23%	0.080%
24	4.668	4.648	4.708	VV	361	9017	0.32%	0.112%
25	4.730	4.708	4.752	VV	623	9897	0.35%	0.123%
26	4.762	4.752	4.775	VV	276	3211	0.12%	0.040%
27	4.792	4.775	4.808	VV	523	7043	0.25%	0.088%
28	4.826	4.808	4.864	VV	828	13109	0.47%	0.163%
29	4.875	4.864	4.881	VV	255	2444	0.09%	0.030%
30	4.889	4.881	4.931	VV	298	7538	0.27%	0.094%
31	4.959	4.931	5.020	VV	304	14110	0.51%	0.175%
32	5.042	5.020	5.072	VV	279	7322	0.26%	0.091%
33	5.080	5.072	5.125	VV	239	6863	0.25%	0.085%
34	5.129	5.125	5.142	VV	217	1861	0.07%	0.023%
35	5.158	5.142	5.195	VV	281	6422	0.23%	0.080%
36	5.245	5.195	5.287	VV	1684	27537	0.99%	0.342%

rteres

37	5.307	5.287	5.357	VV	460	9770	0.35%	0.121%
38	5.365	5.357	5.437	VV	228	7016	0.25%	0.087%
39	5.452	5.437	5.475	VV	203	3745	0.13%	0.047%
40	5.498	5.475	5.508	VV	217	3641	0.13%	0.045%
41	5.515	5.508	5.524	VV	213	1537	0.06%	0.019%
42	5.541	5.524	5.594	VV	187	6637	0.24%	0.083%
43	5.605	5.594	5.622	VV	149	2070	0.07%	0.026%
44	5.683	5.622	5.708	VV	477	11643	0.42%	0.145%
45	5.727	5.708	5.758	VV	605	9437	0.34%	0.117%
46	5.789	5.758	5.810	VV	264	5903	0.21%	0.073%
47	5.820	5.810	5.835	VV	160	2203	0.08%	0.027%
48	5.875	5.835	5.939	VV	259	10653	0.38%	0.132%
49	5.948	5.939	5.962	VV	163	1857	0.07%	0.023%
50	5.998	5.962	6.008	VV	213	4207	0.15%	0.052%
51	6.029	6.008	6.045	VV	182	2860	0.10%	0.036%
52	6.057	6.045	6.103	VV	149	4194	0.15%	0.052%
53	6.132	6.103	6.144	VV	149	2907	0.10%	0.036%
54	6.161	6.144	6.238	VV	138	6724	0.24%	0.084%
55	6.259	6.238	6.300	VV	255	6896	0.25%	0.086%
56	6.319	6.300	6.344	VV	257	5292	0.19%	0.066%
57	6.363	6.344	6.387	VV	459	7076	0.25%	0.088%
58	6.431	6.387	6.462	VV	283	8845	0.32%	0.110%
59	6.504	6.462	6.587	VV	281	13214	0.47%	0.164%
60	6.602	6.587	6.615	VV	189	2396	0.09%	0.030%
61	6.618	6.615	6.627	VV	142	839	0.03%	0.010%
62	6.642	6.627	6.688	VV	142	4368	0.16%	0.054%
63	6.719	6.688	6.787	VV	3681	44293	1.59%	0.551%
64	6.806	6.787	6.827	VV	357	4955	0.18%	0.062%
65	6.839	6.827	6.855	VV	251	2938	0.11%	0.037%
66	6.874	6.855	6.894	VV	552	6904	0.25%	0.086%
67	6.908	6.894	6.926	VV	227	2543	0.09%	0.032%
68	6.949	6.926	6.991	VV	294	4340	0.16%	0.054%
69	7.003	6.991	7.017	VV	114	1097	0.04%	0.014%
70	7.051	7.017	7.072	VV	139	2717	0.10%	0.034%
71	7.095	7.072	7.102	VV	120	1693	0.06%	0.021%
72	7.109	7.102	7.115	VV	111	636	0.02%	0.008%
73	7.122	7.115	7.148	VV	129	1607	0.06%	0.020%
74	7.178	7.148	7.202	VV	399	5325	0.19%	0.066%
75	7.233	7.202	7.267	VV	434	9882	0.35%	0.123%
76	7.296	7.267	7.324	VV	421	10055	0.36%	0.125%
77	7.361	7.324	7.388	VV	626	12641	0.45%	0.157%
78	7.402	7.388	7.427	VV	252	4141	0.15%	0.051%
79	7.444	7.427	7.501	VV	293	8036	0.29%	0.100%
80	7.527	7.501	7.552	VV	1202	15466	0.55%	0.192%
81	7.586	7.552	7.597	VV	233	4915	0.18%	0.061%
82	7.608	7.597	7.620	VV	256	2974	0.11%	0.037%
83	7.638	7.620	7.648	VV	284	4139	0.15%	0.051%
84	7.670	7.648	7.717	VV	1816	24701	0.88%	0.307%
85	7.733	7.717	7.752	VV	275	4127	0.15%	0.051%
86	7.764	7.752	7.785	VV	359	4373	0.16%	0.054%
87	7.813	7.785	7.828	VV	166	3714	0.13%	0.046%
88	7.842	7.828	7.868	VV	240	3938	0.14%	0.049%
89	7.890	7.868	7.914	VV	173	3507	0.13%	0.044%

rteres

90	7.937	7.914	7.968	VV	609	8224	0.29%	0.102%
91	8.004	7.968	8.075	VV	235	11003	0.39%	0.137%
92	8.103	8.075	8.115	VV	285	5143	0.18%	0.064%
93	8.133	8.115	8.147	VV	326	5501	0.20%	0.068%
94	8.159	8.147	8.180	VV	342	4920	0.18%	0.061%
95	8.201	8.180	8.225	VV	441	6676	0.24%	0.083%
96	8.247	8.225	8.280	VV	1295	15854	0.57%	0.197%
97	8.304	8.280	8.325	VV	1250	14900	0.53%	0.185%
98	8.340	8.325	8.357	VV	244	3881	0.14%	0.048%
99	8.374	8.357	8.393	VV	545	7424	0.27%	0.092%
100	8.404	8.393	8.433	VV	252	3966	0.14%	0.049%
101	8.460	8.433	8.532	VV	492	12193	0.44%	0.152%
102	8.555	8.532	8.588	VV	5534	65116	2.33%	0.809%
103	8.604	8.588	8.629	VV	332	6112	0.22%	0.076%
104	8.660	8.629	8.688	VV	551	12626	0.45%	0.157%
105	8.705	8.688	8.734	VV	434	8208	0.29%	0.102%
106	8.751	8.734	8.774	VV	338	5194	0.19%	0.065%
107	8.792	8.774	8.830	VV	324	5572	0.20%	0.069%
108	8.858	8.830	8.898	VV	9817	115432	4.13%	1.435%
109	8.908	8.898	8.948	VV	527	11013	0.39%	0.137%
110	8.974	8.948	8.993	VV	502	10271	0.37%	0.128%
111	9.010	8.993	9.036	VV	517	10525	0.38%	0.131%
112	9.051	9.036	9.068	VV	588	8316	0.30%	0.103%
113	9.099	9.068	9.135	VV	1149	23687	0.85%	0.294%
114	9.152	9.135	9.191	VV	402	8331	0.30%	0.104%
115	9.218	9.191	9.238	VV	304	5274	0.19%	0.066%
116	9.254	9.238	9.264	VV	326	3768	0.13%	0.047%
117	9.284	9.264	9.305	VV	920	13207	0.47%	0.164%
118	9.323	9.305	9.347	VV	587	11825	0.42%	0.147%
119	9.387	9.347	9.457	VV	1979	50600	1.81%	0.629%
120	9.475	9.457	9.502	VV	497	7404	0.27%	0.092%
121	9.525	9.502	9.553	VV	390	6366	0.23%	0.079%
122	9.577	9.553	9.598	VV	275	4435	0.16%	0.055%
123	9.627	9.598	9.657	VV	253	6914	0.25%	0.086%
124	9.689	9.657	9.718	VV	405	8839	0.32%	0.110%
125	9.724	9.718	9.734	VV	113	1203	0.04%	0.015%
126	9.758	9.734	9.792	VV	768	14556	0.52%	0.181%
127	9.808	9.792	9.839	VV	375	7082	0.25%	0.088%
128	9.849	9.839	9.878	VV	289	4856	0.17%	0.060%
129	9.896	9.878	9.932	VV	497	9076	0.33%	0.113%
130	9.949	9.932	9.975	VV	798	10495	0.38%	0.130%
131	10.011	9.975	10.028	VV	142	3849	0.14%	0.048%
132	10.039	10.028	10.065	VV	170	2836	0.10%	0.035%
133	10.090	10.065	10.147	PV	488	11087	0.40%	0.138%
134	10.170	10.147	10.196	VV	1979	24042	0.86%	0.299%
135	10.206	10.196	10.224	VV	172	2376	0.09%	0.030%
136	10.245	10.224	10.325	VV	318	11946	0.43%	0.148%
137	10.345	10.325	10.376	VV	190	3320	0.12%	0.041%
138	10.449	10.376	10.466	VV	200	5950	0.21%	0.074%
139	10.521	10.466	10.532	VV	257	7359	0.26%	0.091%
140	10.563	10.532	10.585	VV	638	12037	0.43%	0.150%
141	10.608	10.585	10.628	VV	337	6128	0.22%	0.076%

rteres

142	10.652	10.628	10.672	VV	304	5453	0.20%	0.068%
143	10.706	10.672	10.722	VV	259	5165	0.19%	0.064%
144	10.734	10.722	10.748	VV	189	2128	0.08%	0.026%
145	10.771	10.748	10.782	VV	242	3495	0.13%	0.043%
146	10.810	10.782	10.832	VV	247	5794	0.21%	0.072%
147	10.848	10.832	10.882	VV	362	8626	0.31%	0.107%
148	10.914	10.882	10.948	VV	927	17690	0.63%	0.220%
149	10.987	10.948	11.016	VV	836	20216	0.72%	0.251%
150	11.042	11.016	11.081	VV	692	15555	0.56%	0.193%
151	11.105	11.081	11.118	VV	257	4414	0.16%	0.055%
152	11.128	11.118	11.164	VV	231	4512	0.16%	0.056%
153	11.176	11.164	11.213	VV	169	4117	0.15%	0.051%
154	11.237	11.213	11.266	VV	575	9643	0.35%	0.120%
155	11.291	11.266	11.322	VV	292	8034	0.29%	0.100%
156	11.338	11.322	11.395	VV	316	9547	0.34%	0.119%
157	11.422	11.395	11.461	VV	255	5963	0.21%	0.074%
158	11.476	11.461	11.483	VV	141	1419	0.05%	0.018%
159	11.551	11.483	11.581	VV	2642	37982	1.36%	0.472%
160	11.622	11.581	11.652	VV	2309	34044	1.22%	0.423%
161	11.715	11.652	11.755	VV	1308	25327	0.91%	0.315%
162	11.769	11.755	11.802	VV	148	3056	0.11%	0.038%
163	11.814	11.802	11.832	VV	122	1939	0.07%	0.024%
164	11.846	11.832	11.860	VV	146	2269	0.08%	0.028%
165	11.872	11.860	11.898	VV	161	2934	0.11%	0.036%
166	11.928	11.898	11.959	VV	340	8886	0.32%	0.110%
167	11.978	11.959	11.992	VV	279	4274	0.15%	0.053%
168	12.012	11.992	12.049	VV	375	8640	0.31%	0.107%
169	12.086	12.049	12.135	VV	390	13340	0.48%	0.166%
170	12.175	12.135	12.189	VV	216	5894	0.21%	0.073%
171	12.291	12.189	12.319	VV	909	30136	1.08%	0.375%
172	12.335	12.319	12.363	VV	319	7021	0.25%	0.087%
173	12.382	12.363	12.408	VV	393	7708	0.28%	0.096%
174	12.437	12.408	12.448	VV	358	7367	0.26%	0.092%
175	12.453	12.448	12.475	VV	375	4295	0.15%	0.053%
176	12.504	12.475	12.542	VV	545	13668	0.49%	0.170%
177	12.577	12.542	12.601	VV	571	12108	0.43%	0.151%
178	12.619	12.601	12.652	VV	611	10894	0.39%	0.135%
179	12.670	12.652	12.685	VV	294	4857	0.17%	0.060%
180	12.703	12.685	12.724	VV	323	6513	0.23%	0.081%
181	12.751	12.724	12.774	VV	879	16028	0.57%	0.199%
182	12.797	12.774	12.838	VV	799	15397	0.55%	0.191%
183	12.875	12.838	12.902	VV	835	13486	0.48%	0.168%
184	12.936	12.902	12.991	VV	1906	28625	1.03%	0.356%
185	13.013	12.991	13.030	VV	259	4446	0.16%	0.055%
186	13.055	13.030	13.075	VV	298	5355	0.19%	0.067%
187	13.084	13.075	13.125	VV	196	3060	0.11%	0.038%
188	13.137	13.125	13.161	PV	78	1096	0.04%	0.014%
189	13.216	13.161	13.255	VV	251	7136	0.26%	0.089%
190	13.265	13.255	13.277	VV	179	1646	0.06%	0.020%
191	13.296	13.277	13.325	VV	180	3577	0.13%	0.044%
192	13.383	13.325	13.425	VV	231829	2791670	100.00%	34.703%
193	13.442	13.425	13.463	VV	353	6746	0.24%	0.084%
194	13.472	13.463	13.503	VV	274	5069	0.18%	0.063%

rteres

195	13.551	13.503	13.581	VV	1135	19859	0.71%	0.247%
196	13.609	13.581	13.646	VV	336	8615	0.31%	0.107%
197	13.671	13.646	13.705	VV	258	5728	0.21%	0.071%
198	13.722	13.705	13.735	VV	159	2246	0.08%	0.028%
199	13.781	13.735	13.795	VV	283	7898	0.28%	0.098%
200	13.825	13.795	13.880	VV	359	12207	0.44%	0.152%
201	13.895	13.880	13.919	VV	180	3177	0.11%	0.039%
202	13.942	13.919	13.955	VV	210	3635	0.13%	0.045%
203	13.959	13.955	13.965	VV	222	1063	0.04%	0.013%
204	13.995	13.965	14.031	VV	296	8574	0.31%	0.107%
205	14.086	14.031	14.112	VV	734	14254	0.51%	0.177%
206	14.138	14.112	14.168	VV	1612	23019	0.82%	0.286%
207	14.177	14.168	14.255	VV	152	5825	0.21%	0.072%
208	14.264	14.255	14.319	VV	116	2706	0.10%	0.034%
209	14.357	14.319	14.424	PV	326	10285	0.37%	0.128%
210	14.439	14.424	14.456	VV	145	2451	0.09%	0.030%
211	14.475	14.456	14.505	VV	181	4264	0.15%	0.053%
212	14.576	14.505	14.611	VV	874	19042	0.68%	0.237%
213	14.620	14.611	14.645	VV	196	3692	0.13%	0.046%
214	14.653	14.645	14.677	VV	212	3745	0.13%	0.047%
215	14.704	14.677	14.735	VV	2448	32915	1.18%	0.409%
216	14.762	14.735	14.780	VV	251	5272	0.19%	0.066%
217	14.807	14.780	14.830	VV	1797	27009	0.97%	0.336%
218	14.857	14.830	14.886	VV	7702	101850	3.65%	1.266%
219	14.898	14.886	14.931	VV	405	7204	0.26%	0.090%
220	14.963	14.931	15.007	VV	612	14567	0.52%	0.181%
221	15.041	15.007	15.076	VV	441	11342	0.41%	0.141%
222	15.095	15.076	15.112	VV	173	3185	0.11%	0.040%
223	15.164	15.112	15.187	VV	4533	86528	3.10%	1.076%
224	15.200	15.187	15.223	VV	1173	17253	0.62%	0.214%
225	15.246	15.223	15.270	VV	2185	34661	1.24%	0.431%
226	15.291	15.270	15.347	VV	2761	40955	1.47%	0.509%
227	15.372	15.347	15.387	PV	397	5103	0.18%	0.063%
228	15.406	15.387	15.435	VV	628	9483	0.34%	0.118%
229	15.464	15.435	15.485	VV	278	5477	0.20%	0.068%
230	15.518	15.485	15.568	VV	3344	45481	1.63%	0.565%
231	15.588	15.568	15.645	PV	115	2734	0.10%	0.034%
232	15.675	15.645	15.703	VV	235	4397	0.16%	0.055%
233	15.728	15.703	15.742	VV	680	8989	0.32%	0.112%
234	15.769	15.742	15.872	VV	4937	75287	2.70%	0.936%
235	15.898	15.872	15.928	VV	106	1788	0.06%	0.022%
236	15.946	15.928	15.982	VV	145	3084	0.11%	0.038%
237	16.005	15.982	16.016	VV	126	1772	0.06%	0.022%
238	16.079	16.016	16.116	PV	5503	74732	2.68%	0.929%
239	16.125	16.116	16.133	VV	196	1488	0.05%	0.018%
240	16.145	16.133	16.182	VV	230	3650	0.13%	0.045%
241	16.232	16.182	16.246	VV	505	7704	0.28%	0.096%
242	16.271	16.246	16.356	VV	2942	44755	1.60%	0.556%
243	16.365	16.356	16.390	VV	68	674	0.02%	0.008%
244	16.412	16.390	16.428	PV	130	1602	0.06%	0.020%
245	16.455	16.428	16.536	VV	180	7176	0.26%	0.089%
246	16.586	16.536	16.609	VV	273	6780	0.24%	0.084%

rteres

247	16.631	16.609	16.650	VV	241	4432	0.16%	0.055%
248	16.657	16.650	16.681	VV	171	1634	0.06%	0.020%
249	16.713	16.681	16.726	VV	306	5061	0.18%	0.063%
250	16.756	16.726	16.786	VV	8067	109630	3.93%	1.363%
251	16.806	16.786	16.881	VV	588	10123	0.36%	0.126%
252	16.890	16.881	16.896	PV	99	493	0.02%	0.006%
253	16.916	16.896	16.958	VV	226	5319	0.19%	0.066%
254	16.975	16.958	17.010	VV	167	3265	0.12%	0.041%
255	17.026	17.010	17.038	VV	170	1896	0.07%	0.024%
256	17.061	17.038	17.092	VV	267	5957	0.21%	0.074%
257	17.108	17.092	17.162	VV	309	7570	0.27%	0.094%
258	17.189	17.162	17.200	VV	809	10614	0.38%	0.132%
259	17.223	17.200	17.309	VV	3861	58745	2.10%	0.730%
260	17.353	17.309	17.385	VV	386	7425	0.27%	0.092%
261	17.439	17.385	17.448	VV	230	5783	0.21%	0.072%
262	17.464	17.448	17.487	VV	249	3817	0.14%	0.047%
263	17.514	17.487	17.530	VV	215	4458	0.16%	0.055%
264	17.558	17.530	17.578	VV	586	10269	0.37%	0.128%
265	17.590	17.578	17.625	VV	612	9392	0.34%	0.117%
266	17.676	17.625	17.738	VV	21045	296041	10.60%	3.680%
267	17.786	17.738	17.855	PV	362	13020	0.47%	0.162%
268	17.887	17.855	17.912	VV	391	6805	0.24%	0.085%
269	17.927	17.912	17.952	VV	241	4239	0.15%	0.053%
270	17.987	17.952	18.022	VV	289	7261	0.26%	0.090%
271	18.036	18.022	18.048	VV	156	1592	0.06%	0.020%
272	18.113	18.048	18.173	VV	3868	67132	2.40%	0.835%
273	18.191	18.173	18.212	VV	152	2551	0.09%	0.032%
274	18.241	18.212	18.316	VV	483	18611	0.67%	0.231%
275	18.326	18.316	18.345	VV	111	1228	0.04%	0.015%
276	18.431	18.345	18.481	VV	558	18215	0.65%	0.226%
277	18.538	18.481	18.589	VV	13228	185914	6.66%	2.311%
278	18.624	18.589	18.645	PV	454	6825	0.24%	0.085%
279	18.656	18.645	18.705	VV	181	3986	0.14%	0.050%
280	18.712	18.705	18.719	VV	48	348	0.01%	0.004%
281	18.735	18.719	18.772	PV	178	3199	0.11%	0.040%
282	18.803	18.772	18.831	VV	378	7497	0.27%	0.093%
283	18.845	18.831	18.875	VV	170	2996	0.11%	0.037%
284	18.881	18.875	18.891	VV	87	579	0.02%	0.007%
285	18.948	18.891	18.991	PV	3133	52545	1.88%	0.653%
286	19.006	18.991	19.022	VV	160	1829	0.07%	0.023%
287	19.047	19.022	19.065	VV	230	3176	0.11%	0.039%
288	19.098	19.065	19.145	VV	259	5799	0.21%	0.072%
289	19.152	19.145	19.168	VV	77	653	0.02%	0.008%
290	19.206	19.168	19.237	PV	260	6405	0.23%	0.080%
291	19.259	19.237	19.284	VV	695	10198	0.37%	0.127%
292	19.306	19.284	19.318	VV	416	5700	0.20%	0.071%
293	19.346	19.318	19.405	VV	3935	60635	2.17%	0.754%
294	19.416	19.405	19.428	VV	38	601	0.02%	0.007%
295	19.485	19.428	19.510	VV	181	6135	0.22%	0.076%
296	19.521	19.510	19.565	VV	218	4857	0.17%	0.060%
297	19.597	19.565	19.628	VV	205	5578	0.20%	0.069%
298	19.685	19.628	19.698	VV	212	6076	0.22%	0.076%
299	19.734	19.698	19.801	VV	2330	42928	1.54%	0.534%

rteres

300	19.815	19.801	19.824	VV	136	1551	0.06%	0.019%
301	19.902	19.824	19.908	VV	251	9423	0.34%	0.117%
302	19.980	19.908	20.002	VV	593	20091	0.72%	0.250%
303	20.023	20.002	20.075	VV	517	18376	0.66%	0.228%
304	20.110	20.075	20.136	VV	1817	35272	1.26%	0.438%
305	20.157	20.136	20.195	VV	605	18301	0.66%	0.227%
306	20.348	20.195	20.363	VV	733	59685	2.14%	0.742%
307	20.385	20.363	20.412	VV	817	21630	0.77%	0.269%
308	20.476	20.412	20.513	VV	2465	72257	2.59%	0.898%
309	20.535	20.513	20.561	VV	1007	27496	0.98%	0.342%
310	20.572	20.561	20.580	VV	1000	10882	0.39%	0.135%
311	20.586	20.580	20.597	VV	960	9712	0.35%	0.121%
312	20.729	20.597	20.818	VV	4831	333434	11.94%	4.145%
313	20.834	20.818	20.878	VV	2065	57574	2.06%	0.716%
314	20.922	20.878	20.935	VV	1332	43623	1.56%	0.542%
315	21.009	20.935	21.068	VV	1632	116639	4.18%	1.450%
316	21.080	21.068	21.094	VV	1505	23358	0.84%	0.290%
317	21.101	21.094	21.134	VV	1476	33828	1.21%	0.421%
318	21.153	21.134	21.165	VV	1395	25521	0.91%	0.317%
319	21.223	21.165	21.287	VV	2724	122634	4.39%	1.524%
320	21.322	21.287	21.418	VV	1322	95933	3.44%	1.193%
321	21.428	21.418	21.455	VV	1156	24182	0.87%	0.301%
322	21.465	21.455	21.519	VV	1107	39823	1.43%	0.495%
323	21.529	21.519	21.555	VV	997	21237	0.76%	0.264%
324	21.561	21.555	21.592	VV	971	20086	0.72%	0.250%
325	21.602	21.592	21.623	VV	876	15746	0.56%	0.196%
326	21.665	21.623	21.727	VV	1024	50387	1.80%	0.626%
327	21.789	21.727	21.816	VV	671	33359	1.19%	0.415%
328	21.824	21.816	21.888	VV	614	22911	0.82%	0.285%
329	21.899	21.888	21.948	VV	483	15414	0.55%	0.192%
330	21.980	21.948	21.995	VV	459	11304	0.40%	0.141%
331	22.015	21.995	22.034	VV	371	8258	0.30%	0.103%
332	22.046	22.034	22.065	VV	367	5947	0.21%	0.074%
333	22.163	22.065	22.272	VV	2690	88777	3.18%	1.104%
334	22.294	22.272	22.304	VV	147	2611	0.09%	0.032%
335	22.318	22.304	22.338	VV	150	2649	0.09%	0.033%
336	22.382	22.338	22.395	VV	85	2020	0.07%	0.025%

Sum of corrected areas: 8044515

Aliphatic EPH 011425.M Wed Jan 29 03:46:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015337.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 21:05
Operator : YP\AJ
Sample : Q1194-03
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
B-113-SB01

Integration File: autoint1.e
Quant Time: Jan 29 00:50:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.993	7533896	57.075 ug/ml
Spiked Amount 50.000		Recovery = 114.15%	
6) S 2-Flurobiphenyl (SURR)	8.866	4747058	56.239 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 112.48%	
11) S ortho-Terphenyl (SURR)	11.931	7699111	44.725 ug/ml
Spiked Amount 50.000		Recovery = 89.45%	
Target Compounds			

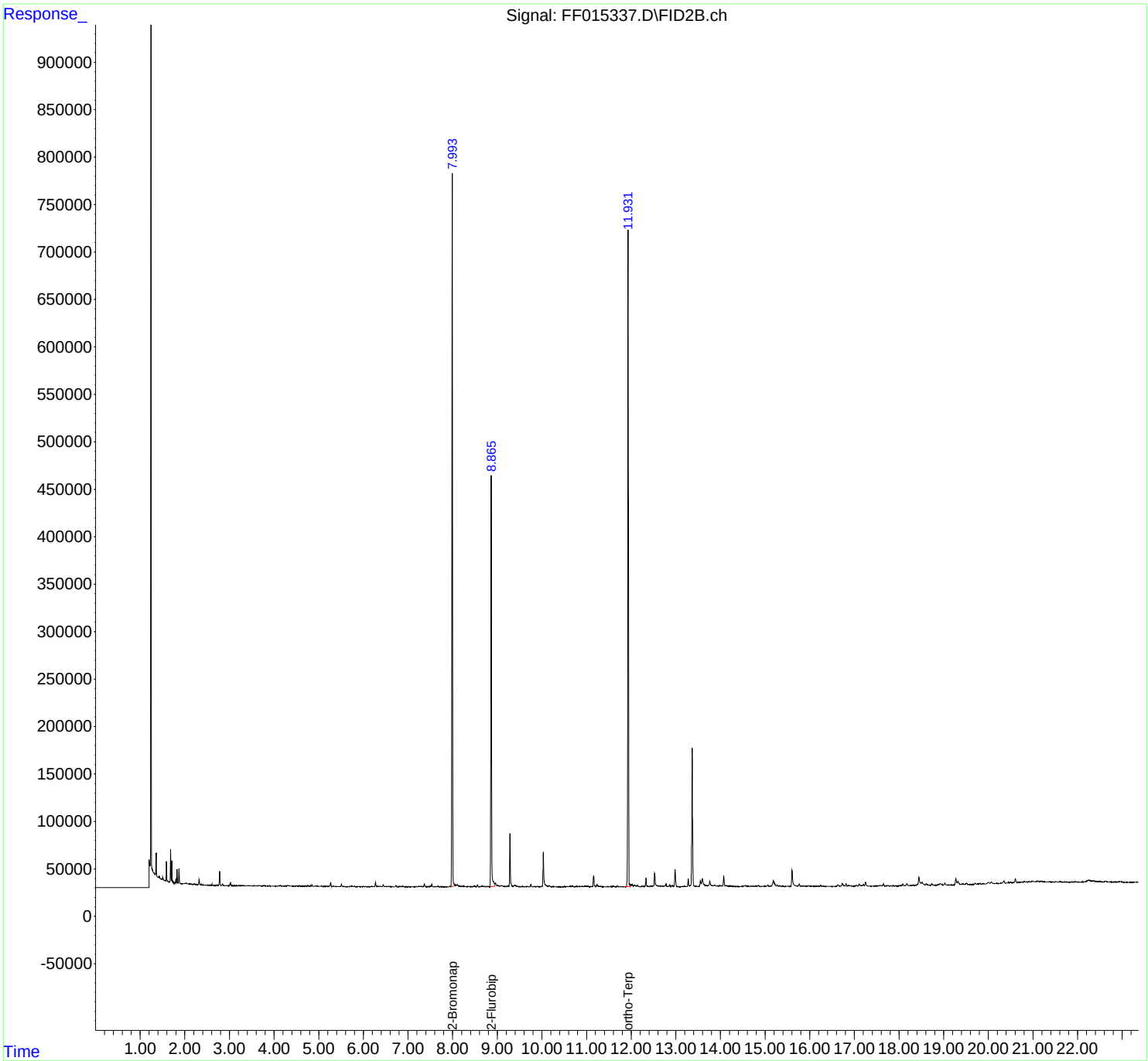
(f)=RT Delta > 1/2 Window (m)=manual int.

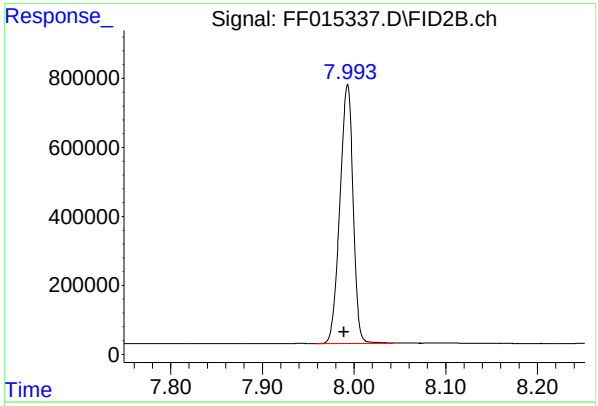
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015337.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 21:05
Operator : YP\AJ
Sample : Q1194-03
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
B-113-SB01

Integration File: autoint1.e
Quant Time: Jan 29 00:50:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

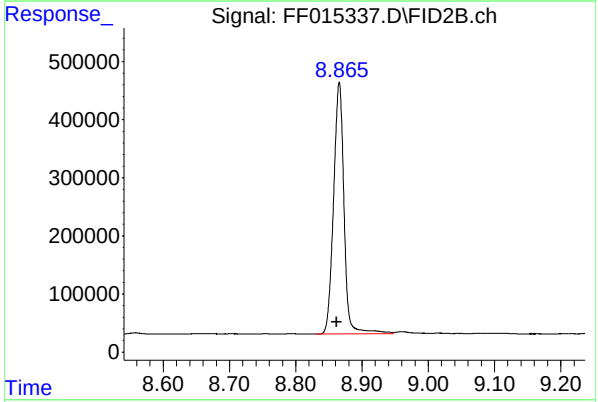




#4 2-Bromonaphthalene (SURR)

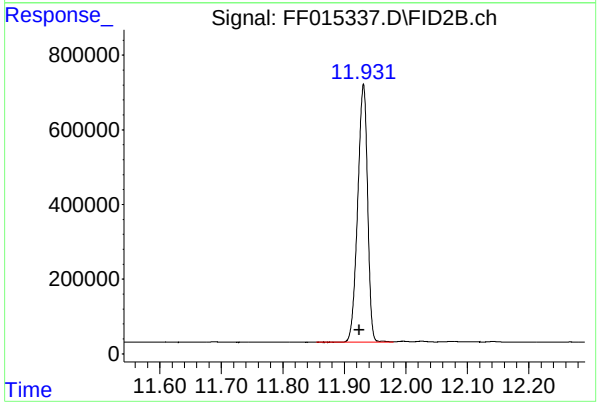
R.T.: 7.993 min
Delta R.T.: 0.004 min
Response: 7533896
Conc: 57.07 ug/ml

Instrument :
FID_F
ClientSampleId :
B-113-SB01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.866 min
Delta R.T.: 0.004 min
Response: 4747058
Conc: 56.24 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.931 min
Delta R.T.: 0.006 min
Response: 7699111
Conc: 44.72 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015337.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 21:05
Sample : Q1194-03
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.456	4.421	4.469	BV	204	2103	0.03%	0.007%
2	4.513	4.482	4.536	PV	347	5212	0.07%	0.018%
3	4.566	4.536	4.594	VV	1029	12923	0.17%	0.044%
4	4.604	4.594	4.632	VV	206	2960	0.04%	0.010%
5	4.651	4.642	4.671	VV	162	1804	0.02%	0.006%
6	4.694	4.671	4.716	VV	454	4484	0.06%	0.015%
7	4.755	4.716	4.776	PV	1170	15206	0.20%	0.052%
8	4.787	4.776	4.802	VV	176	1700	0.02%	0.006%
9	4.817	4.802	4.834	VV	831	8699	0.11%	0.030%
10	4.851	4.834	4.876	VV	1705	17634	0.23%	0.060%
11	4.932	4.891	4.965	VV	700	14407	0.19%	0.049%
12	4.970	4.965	4.976	VV	332	2044	0.03%	0.007%
13	4.981	4.976	5.026	VV	378	5654	0.07%	0.019%
14	5.060	5.041	5.099	VV	520	6835	0.09%	0.023%
15	5.182	5.167	5.212	VV	202	3258	0.04%	0.011%
16	5.244	5.212	5.249	VV	588	6207	0.08%	0.021%
17	5.267	5.249	5.309	VV	4099	48612	0.63%	0.166%
18	5.330	5.309	5.373	VV	814	12154	0.16%	0.042%
19	5.390	5.373	5.442	VV	251	3890	0.05%	0.013%
20	5.476	5.442	5.489	VV	241	2822	0.04%	0.010%
21	5.510	5.489	5.547	VV	2630	30480	0.40%	0.104%
22	5.560	5.547	5.577	VV	227	2785	0.04%	0.010%
23	5.579	5.577	5.601	VV	175	1064	0.01%	0.004%
24	5.611	5.601	5.635	VV	131	1005	0.01%	0.003%
25	5.665	5.635	5.681	PV	211	3197	0.04%	0.011%
26	5.701	5.681	5.719	VV	711	8515	0.11%	0.029%
27	5.747	5.719	5.770	VV	1280	19392	0.25%	0.066%
28	5.784	5.770	5.789	VV	161	1361	0.02%	0.005%
29	5.806	5.789	5.838	VV	367	4839	0.06%	0.017%
30	5.868	5.856	5.879	VV	114	1335	0.02%	0.005%
31	5.894	5.879	5.941	VV	293	5322	0.07%	0.018%
32	5.967	5.941	5.981	VV	246	3878	0.05%	0.013%
33	5.993	5.981	6.004	VV	358	3675	0.05%	0.013%
34	6.014	6.004	6.031	VV	291	3605	0.05%	0.012%
35	6.050	6.031	6.072	VV	401	5557	0.07%	0.019%
36	6.086	6.081	6.162	VV	200	4262	0.06%	0.015%

rteres

37	6.187	6.162	6.207	VV	378	6378	0.08%	0.022%
38	6.226	6.207	6.247	VV	286	5530	0.07%	0.019%
39	6.272	6.247	6.302	VV	4687	53945	0.70%	0.185%
40	6.309	6.302	6.324	VV	481	5512	0.07%	0.019%
41	6.332	6.324	6.354	VV	450	6799	0.09%	0.023%
42	6.379	6.354	6.406	VV	882	13870	0.18%	0.047%
43	6.410	6.406	6.423	VV	285	2342	0.03%	0.008%
44	6.448	6.423	6.490	VV	2368	33536	0.44%	0.115%
45	6.518	6.490	6.532	VV	496	9219	0.12%	0.032%
46	6.547	6.532	6.556	VV	376	4415	0.06%	0.015%
47	6.574	6.556	6.637	VV	776	14673	0.19%	0.050%
48	6.648	6.637	6.681	VV	265	4120	0.05%	0.014%
49	6.691	6.681	6.696	VV	128	1008	0.01%	0.003%
50	6.732	6.710	6.757	PV	1629	18353	0.24%	0.063%
51	6.769	6.757	6.789	VV	250	3641	0.05%	0.012%
52	6.817	6.789	6.836	VV	645	9047	0.12%	0.031%
53	6.853	6.836	6.866	VV	481	5060	0.07%	0.017%
54	6.885	6.866	6.907	VV	1060	12006	0.16%	0.041%
55	6.919	6.907	6.941	VV	322	3001	0.04%	0.010%
56	6.961	6.941	6.987	PV	590	6418	0.08%	0.022%
57	6.998	6.987	7.003	PV	169	1037	0.01%	0.004%
58	7.012	7.003	7.035	VV	241	2221	0.03%	0.008%
59	7.063	7.035	7.089	VV	367	6066	0.08%	0.021%
60	7.116	7.102	7.153	VV	389	6736	0.09%	0.023%
61	7.185	7.165	7.221	VV	736	10135	0.13%	0.035%
62	7.240	7.221	7.272	VV	844	15623	0.20%	0.053%
63	7.290	7.272	7.339	VV	851	18419	0.24%	0.063%
64	7.368	7.339	7.403	VV	3103	45365	0.59%	0.155%
65	7.409	7.403	7.425	VV	352	3537	0.05%	0.012%
66	7.429	7.425	7.437	VV	243	1621	0.02%	0.006%
67	7.452	7.437	7.470	VV	655	8742	0.11%	0.030%
68	7.476	7.470	7.488	VV	401	3457	0.04%	0.012%
69	7.504	7.488	7.517	VV	1156	12586	0.16%	0.043%
70	7.534	7.517	7.574	VV	2879	34470	0.45%	0.118%
71	7.594	7.574	7.605	VV	494	5768	0.07%	0.020%
72	7.620	7.605	7.631	VV	458	5887	0.08%	0.020%
73	7.643	7.631	7.657	VV	445	5268	0.07%	0.018%
74	7.676	7.657	7.704	VV	1063	13029	0.17%	0.045%
75	7.712	7.704	7.725	VV	145	1393	0.02%	0.005%
76	7.743	7.725	7.759	VV	440	5529	0.07%	0.019%
77	7.771	7.759	7.791	VV	497	5395	0.07%	0.018%
78	7.848	7.846	7.871	VV	121	1383	0.02%	0.005%
79	7.893	7.879	7.903	VV	252	2475	0.03%	0.008%
80	7.911	7.903	7.923	VV	214	2155	0.03%	0.007%
81	7.943	7.923	7.959	VV	985	11450	0.15%	0.039%
82	7.993	7.959	8.042	VV	749318	7569082	98.40%	25.893%
83	8.052	8.042	8.074	VV	2562	40337	0.52%	0.138%
84	8.102	8.074	8.160	VV	2311	76795	1.00%	0.263%
85	8.166	8.160	8.184	VV	875	10841	0.14%	0.037%
86	8.205	8.184	8.232	VV	702	16530	0.21%	0.057%
87	8.250	8.232	8.282	VV	1056	20303	0.26%	0.069%
88	8.286	8.282	8.297	VV	443	3767	0.05%	0.013%
89	8.305	8.297	8.327	VV	465	6941	0.09%	0.024%

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90	8.365	8.327	8.369	VV	509	9634	0.13%	0.033%
91	8.374	8.369	8.415	VV	527	8875	0.12%	0.030%
92	8.457	8.415	8.463	VV	532	8897	0.12%	0.030%
93	8.466	8.463	8.469	VV	526	1863	0.02%	0.006%
94	8.482	8.469	8.496	VV	776	10308	0.13%	0.035%
95	8.506	8.496	8.526	VV	638	8520	0.11%	0.029%
96	8.558	8.526	8.614	VV	2291	36748	0.48%	0.126%
97	8.667	8.614	8.689	VV	819	25340	0.33%	0.087%
98	8.704	8.689	8.737	VV	637	11488	0.15%	0.039%
99	8.755	8.737	8.776	VV	699	9196	0.12%	0.031%
100	8.792	8.776	8.824	VV	736	9996	0.13%	0.034%
101	8.866	8.824	8.947	PV	433940	4786426	62.22%	16.374%
102	8.961	8.947	9.005	VV	4269	89741	1.17%	0.307%
103	9.014	9.005	9.041	VV	1709	29798	0.39%	0.102%
104	9.050	9.041	9.061	VV	1145	12526	0.16%	0.043%
105	9.076	9.061	9.084	VV	1233	15750	0.20%	0.054%
106	9.098	9.084	9.144	VV	1377	36455	0.47%	0.125%
107	9.164	9.144	9.179	VV	632	10613	0.14%	0.036%
108	9.211	9.179	9.225	VV	918	16827	0.22%	0.058%
109	9.242	9.225	9.259	VV	1432	19757	0.26%	0.068%
110	9.286	9.259	9.351	VV	56362	618884	8.05%	2.117%
111	9.365	9.351	9.373	VV	1326	14674	0.19%	0.050%
112	9.400	9.373	9.426	VV	2263	45249	0.59%	0.155%
113	9.438	9.426	9.457	VV	1121	15067	0.20%	0.052%
114	9.472	9.457	9.502	VV	611	9410	0.12%	0.032%
115	9.525	9.502	9.548	VV	491	8501	0.11%	0.029%
116	9.569	9.548	9.597	VV	558	10635	0.14%	0.036%
117	9.615	9.597	9.639	VV	466	8611	0.11%	0.029%
118	9.669	9.639	9.704	VV	567	12391	0.16%	0.042%
119	9.715	9.704	9.729	VV	199	2568	0.03%	0.009%
120	9.753	9.729	9.802	VV	2667	37659	0.49%	0.129%
121	9.829	9.802	9.865	VV	578	11656	0.15%	0.040%
122	9.898	9.865	9.927	VV	740	15579	0.20%	0.053%
123	9.944	9.927	9.950	VV	314	3688	0.05%	0.013%
124	9.968	9.950	9.980	VV	458	6765	0.09%	0.023%
125	10.001	9.980	10.010	VV	1238	13763	0.18%	0.047%
126	10.032	10.010	10.145	VV	36815	522081	6.79%	1.786%
127	10.166	10.145	10.215	VV	1374	29470	0.38%	0.101%
128	10.236	10.215	10.256	VV	596	10524	0.14%	0.036%
129	10.262	10.256	10.269	VV	353	2412	0.03%	0.008%
130	10.272	10.269	10.296	VV	297	3452	0.04%	0.012%
131	10.312	10.296	10.329	VV	235	3346	0.04%	0.011%
132	10.335	10.329	10.382	VV	239	3917	0.05%	0.013%
133	10.399	10.382	10.421	VV	303	2815	0.04%	0.010%
134	10.445	10.429	10.460	VV	204	2166	0.03%	0.007%
135	10.496	10.460	10.525	VV	570	12106	0.16%	0.041%
136	10.557	10.525	10.573	VV	562	9515	0.12%	0.033%
137	10.592	10.573	10.616	VV	490	9973	0.13%	0.034%
138	10.639	10.616	10.664	VV	793	16116	0.21%	0.055%
139	10.686	10.664	10.708	VV	1377	17921	0.23%	0.061%
140	10.718	10.708	10.741	VV	331	5256	0.07%	0.018%
141	10.756	10.741	10.776	VV	636	10881	0.14%	0.037%

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142	10.788	10.776	10.812	VV	600	9999	0.13%	0.034%
143	10.843	10.812	10.871	VV	603	17064	0.22%	0.058%
144	10.903	10.871	10.912	VV	649	12510	0.16%	0.043%
145	10.924	10.912	10.940	VV	587	7403	0.10%	0.025%
146	10.963	10.940	10.981	VV	955	15564	0.20%	0.053%
147	10.987	10.981	11.007	VV	671	8934	0.12%	0.031%
148	11.031	11.007	11.078	VV	1213	26356	0.34%	0.090%
149	11.095	11.078	11.106	VV	407	5045	0.07%	0.017%
150	11.125	11.106	11.134	VV	500	6824	0.09%	0.023%
151	11.158	11.134	11.211	VV	11360	156836	2.04%	0.537%
152	11.236	11.211	11.272	VV	2706	45087	0.59%	0.154%
153	11.275	11.272	11.297	VV	513	6564	0.09%	0.022%
154	11.299	11.297	11.307	VV	466	2077	0.03%	0.007%
155	11.332	11.307	11.352	VV	653	11394	0.15%	0.039%
156	11.360	11.352	11.414	VV	320	5452	0.07%	0.019%
157	11.465	11.426	11.501	VV	486	8563	0.11%	0.029%
158	11.541	11.512	11.567	VV	671	11380	0.15%	0.039%
159	11.584	11.567	11.593	VV	526	5917	0.08%	0.020%
160	11.609	11.593	11.631	VV	844	10977	0.14%	0.038%
161	11.658	11.631	11.663	VV	258	3015	0.04%	0.010%
162	11.691	11.663	11.726	VV	980	17364	0.23%	0.059%
163	11.768	11.726	11.784	PV	409	6417	0.08%	0.022%
164	11.810	11.784	11.841	VV	337	5809	0.08%	0.020%
165	11.849	11.841	11.882	VV	137	1244	0.02%	0.004%
166	11.931	11.882	11.958	PV	690744	7692164	100.00%	26.314%
167	11.963	11.958	11.979	VV	2786	26725	0.35%	0.091%
168	11.996	11.979	12.011	VV	2630	36259	0.47%	0.124%
169	12.026	12.011	12.049	VV	2802	39740	0.52%	0.136%
170	12.076	12.049	12.099	VV	2196	43159	0.56%	0.148%
171	12.112	12.099	12.127	VV	1353	18002	0.23%	0.062%
172	12.143	12.127	12.195	VV	1794	30612	0.40%	0.105%
173	12.215	12.195	12.222	VV	378	4979	0.06%	0.017%
174	12.267	12.222	12.292	VV	851	23237	0.30%	0.079%
175	12.331	12.292	12.358	VV	9095	114630	1.49%	0.392%
176	12.373	12.358	12.394	VV	952	14317	0.19%	0.049%
177	12.438	12.394	12.465	VV	1100	24517	0.32%	0.084%
178	12.523	12.465	12.592	VV	14287	247377	3.22%	0.846%
179	12.606	12.592	12.623	VV	1187	17771	0.23%	0.061%
180	12.632	12.623	12.650	VV	935	12892	0.17%	0.044%
181	12.663	12.650	12.667	VV	756	7419	0.10%	0.025%
182	12.685	12.667	12.723	VV	871	24069	0.31%	0.082%
183	12.727	12.723	12.742	VV	561	6240	0.08%	0.021%
184	12.780	12.742	12.814	VV	3405	60984	0.79%	0.209%
185	12.861	12.814	12.885	VV	2157	38183	0.50%	0.131%
186	12.918	12.885	12.945	VV	1738	33132	0.43%	0.113%
187	12.982	12.945	13.029	VV	18156	259336	3.37%	0.887%
188	13.041	13.029	13.064	VV	333	5098	0.07%	0.017%
189	13.069	13.064	13.087	VV	173	2113	0.03%	0.007%
190	13.111	13.100	13.116	VV	145	1149	0.01%	0.004%
191	13.145	13.116	13.156	VV	330	5108	0.07%	0.017%
192	13.171	13.156	13.187	VV	520	7080	0.09%	0.024%
193	13.198	13.187	13.251	VV	497	11487	0.15%	0.039%
194	13.276	13.251	13.306	VV	8450	104038	1.35%	0.356%

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195	13.365	13.306	13.444	VV	146027	1842488	23.95%	6.303%
196	13.453	13.444	13.459	VV	571	4716	0.06%	0.016%
197	13.461	13.459	13.473	VV	528	3634	0.05%	0.012%
198	13.486	13.473	13.512	VV	495	7824	0.10%	0.027%
199	13.548	13.512	13.569	VV	6273	100009	1.30%	0.342%
200	13.592	13.569	13.696	VV	8567	250401	3.26%	0.857%
201	13.699	13.696	13.716	VV	1070	11842	0.15%	0.041%
202	13.759	13.716	13.841	VV	5888	153159	1.99%	0.524%
203	13.870	13.841	13.917	VV	2000	52833	0.69%	0.181%
204	13.939	13.917	13.957	VV	932	17112	0.22%	0.059%
205	13.981	13.957	14.001	VV	1508	27075	0.35%	0.093%
206	14.018	14.001	14.041	VV	1065	19163	0.25%	0.066%
207	14.071	14.041	14.102	VV	11044	155324	2.02%	0.531%
208	14.120	14.102	14.134	VV	1352	20282	0.26%	0.069%
209	14.145	14.134	14.169	VV	1166	17221	0.22%	0.059%
210	14.186	14.169	14.205	VV	823	13680	0.18%	0.047%
211	14.226	14.205	14.261	VV	1049	20249	0.26%	0.069%
212	14.278	14.261	14.307	VV	690	11877	0.15%	0.041%
213	14.314	14.307	14.336	VV	361	5001	0.07%	0.017%
214	14.370	14.336	14.403	VV	409	10958	0.14%	0.037%
215	14.409	14.403	14.429	VV	246	2550	0.03%	0.009%
216	14.452	14.429	14.474	VV	323	6330	0.08%	0.022%
217	14.477	14.474	14.492	VV	265	2552	0.03%	0.009%
218	14.514	14.492	14.523	VV	747	9556	0.12%	0.033%
219	14.525	14.523	14.536	VV	656	4476	0.06%	0.015%
220	14.557	14.536	14.603	VV	1398	34874	0.45%	0.119%
221	14.606	14.603	14.659	VV	606	14225	0.18%	0.049%
222	14.681	14.659	14.703	VV	575	10560	0.14%	0.036%
223	14.718	14.703	14.738	VV	485	7953	0.10%	0.027%
224	14.746	14.738	14.769	VV	412	6710	0.09%	0.023%
225	14.787	14.769	14.821	VV	684	16021	0.21%	0.055%
226	14.849	14.821	14.877	VV	1188	23812	0.31%	0.081%
227	14.882	14.877	14.911	VV	388	5790	0.08%	0.020%
228	14.918	14.911	14.937	VV	342	4789	0.06%	0.016%
229	14.942	14.937	14.956	VV	341	3343	0.04%	0.011%
230	14.989	14.956	14.996	VV	452	8305	0.11%	0.028%
231	15.001	14.996	15.017	VV	489	5271	0.07%	0.018%
232	15.061	15.017	15.104	VV	1831	36214	0.47%	0.124%
233	15.124	15.104	15.142	VV	638	10379	0.13%	0.036%
234	15.183	15.142	15.248	VV	6093	183110	2.38%	0.626%
235	15.269	15.248	15.301	VV	1711	29472	0.38%	0.101%
236	15.323	15.301	15.371	VV	855	17521	0.23%	0.060%
237	15.395	15.371	15.452	VV	631	15781	0.21%	0.054%
238	15.465	15.452	15.494	VV	266	4640	0.06%	0.016%
239	15.524	15.494	15.569	VV	501	11231	0.15%	0.038%
240	15.602	15.569	15.689	VV	17226	308769	4.01%	1.056%
241	15.695	15.689	15.719	VV	676	10879	0.14%	0.037%
242	15.763	15.719	15.787	VV	2758	51316	0.67%	0.176%
243	15.803	15.787	15.821	VV	494	8210	0.11%	0.028%
244	15.840	15.821	15.861	VV	740	12572	0.16%	0.043%
245	15.876	15.861	15.905	VV	586	11417	0.15%	0.039%
246	15.922	15.905	15.931	VV	325	4376	0.06%	0.015%

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247	15.958	15.931	15.992	VV	499	14285	0.19%	0.049%
248	16.004	15.992	16.056	VV	476	12000	0.16%	0.041%
249	16.070	16.056	16.097	VV	474	8216	0.11%	0.028%
250	16.105	16.097	16.109	VV	336	2291	0.03%	0.008%
251	16.123	16.109	16.154	VV	511	9746	0.13%	0.033%
252	16.175	16.154	16.187	VV	369	5483	0.07%	0.019%
253	16.208	16.187	16.225	VV	461	7680	0.10%	0.026%
254	16.247	16.225	16.279	VV	1450	21148	0.27%	0.072%
255	16.307	16.279	16.337	VV	507	8251	0.11%	0.028%
256	16.359	16.337	16.367	VV	118	1135	0.01%	0.004%
257	16.386	16.367	16.420	VV	211	4314	0.06%	0.015%
258	16.442	16.420	16.472	VV	248	4719	0.06%	0.016%
259	16.534	16.512	16.538	PV	154	1173	0.02%	0.004%
260	16.549	16.538	16.573	VV	181	2590	0.03%	0.009%
261	16.622	16.573	16.687	PV	1713	42920	0.56%	0.147%
262	16.693	16.687	16.700	VV	493	3490	0.05%	0.012%
263	16.727	16.700	16.787	VV	3130	75995	0.99%	0.260%
264	16.813	16.787	16.840	VV	2951	45161	0.59%	0.154%
265	16.871	16.840	16.922	VV	1065	32148	0.42%	0.110%
266	16.925	16.922	16.954	VV	485	6575	0.09%	0.022%
267	16.958	16.954	16.967	VV	227	1674	0.02%	0.006%
268	16.971	16.967	16.994	VV	198	2952	0.04%	0.010%
269	17.044	16.994	17.069	VV	1359	27641	0.36%	0.095%
270	17.106	17.069	17.144	VV	2159	47524	0.62%	0.163%
271	17.149	17.144	17.153	VV	714	3820	0.05%	0.013%
272	17.164	17.153	17.177	VV	868	10998	0.14%	0.038%
273	17.199	17.177	17.222	VV	2000	32028	0.42%	0.110%
274	17.248	17.222	17.307	VV	4687	76238	0.99%	0.261%
275	17.312	17.307	17.319	VV	232	1311	0.02%	0.004%
276	17.346	17.331	17.353	VV	220	1787	0.02%	0.006%
277	17.384	17.368	17.399	VV	184	2143	0.03%	0.007%
278	17.412	17.399	17.441	VV	171	2633	0.03%	0.009%
279	17.483	17.449	17.499	PV	296	5418	0.07%	0.019%
280	17.531	17.499	17.548	VV	589	11489	0.15%	0.039%
281	17.566	17.548	17.587	VV	882	15470	0.20%	0.053%
282	17.602	17.587	17.612	VV	610	8450	0.11%	0.029%
283	17.616	17.612	17.621	VV	551	2674	0.03%	0.009%
284	17.647	17.621	17.677	VV	2025	33988	0.44%	0.116%
285	17.703	17.677	17.712	VV	305	4893	0.06%	0.017%
286	17.756	17.712	17.798	VV	603	19215	0.25%	0.066%
287	17.825	17.798	17.839	VV	264	4990	0.06%	0.017%
288	17.871	17.839	17.906	VV	371	9027	0.12%	0.031%
289	17.922	17.906	17.951	VV	268	4513	0.06%	0.015%
290	17.954	17.951	17.972	VV	120	1001	0.01%	0.003%
291	18.020	17.992	18.036	PV	353	6040	0.08%	0.021%
292	18.087	18.036	18.119	VV	2055	37988	0.49%	0.130%
293	18.177	18.119	18.226	VV	2243	48368	0.63%	0.165%
294	18.263	18.226	18.282	VV	413	8719	0.11%	0.030%
295	18.316	18.282	18.342	VV	568	12174	0.16%	0.042%
296	18.362	18.342	18.381	VV	521	7696	0.10%	0.026%
297	18.408	18.381	18.419	VV	1490	20298	0.26%	0.069%
298	18.444	18.419	18.494	VV	8650	190117	2.47%	0.650%
299	18.515	18.494	18.581	VV	3467	102153	1.33%	0.349%

rteres

300	18.606	18.581	18.680	VV	1984	51163	0.67%	0.175%
301	18.730	18.701	18.779	PV	1425	29091	0.38%	0.100%
302	18.780	18.779	18.801	VBA	221	1398	0.02%	0.005%

Sum of corrected areas: 29231772

Aromatic EPH 011425.M Wed Jan 29 02:06:24 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015194.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 21:05
Operator : YP\AJ
Sample : Q1194-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
B-113-SB01

Integration File: autoint1.e
Quant Time: Jan 29 02:38:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.385	4607301	37.839 ug/ml
Spiked Amount 50.000		Recovery = 75.68%	
Target Compounds			

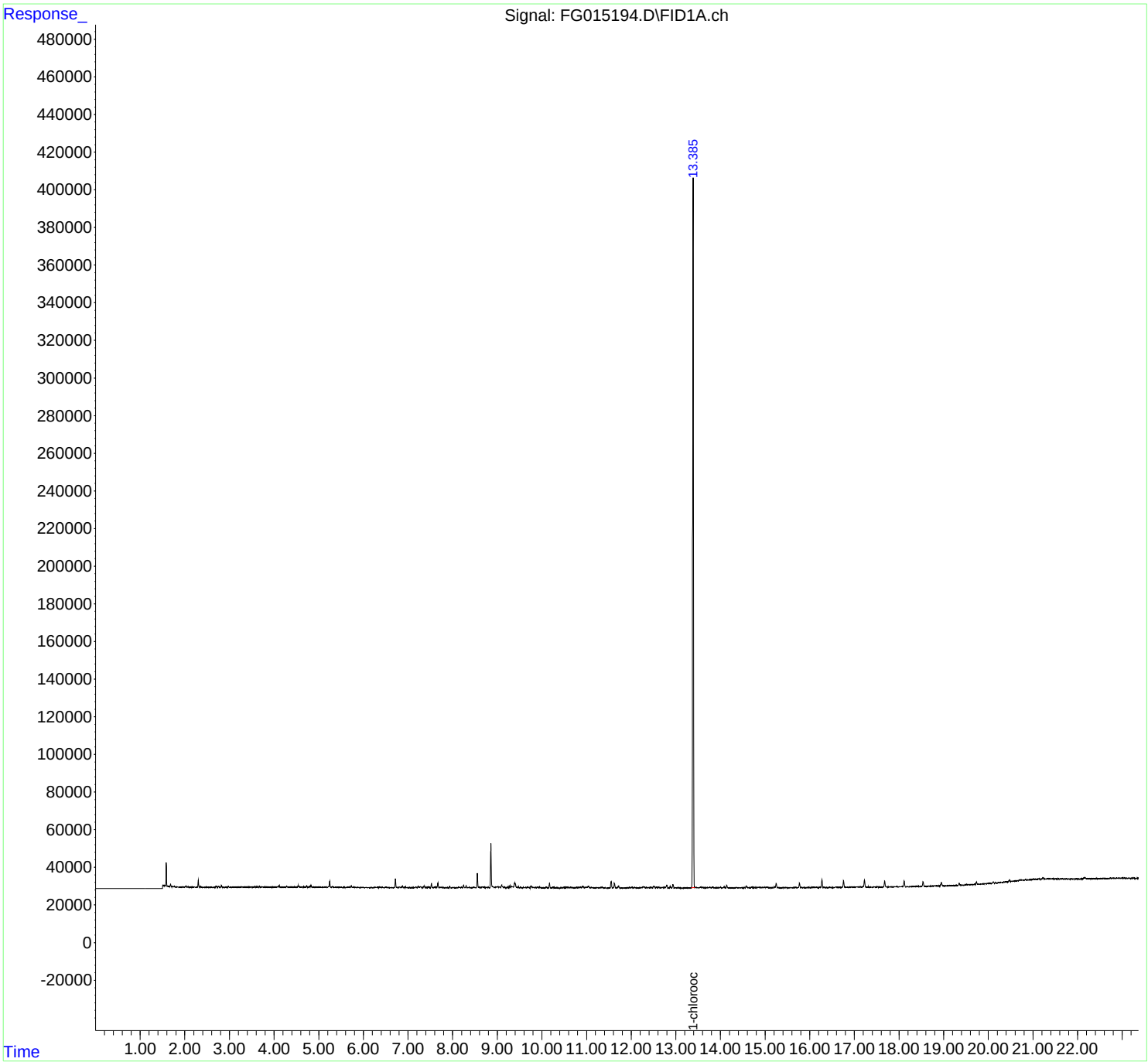
(f)=RT Delta > 1/2 Window (m)=manual int.

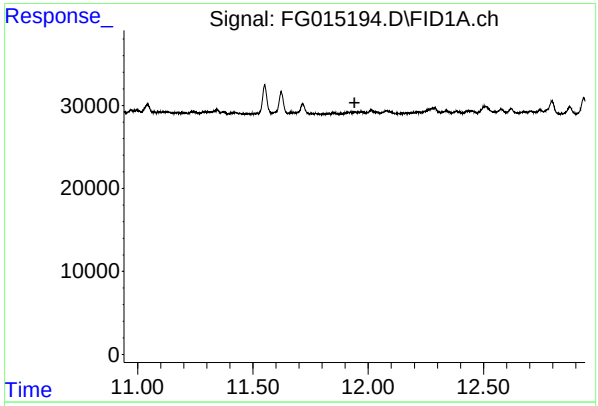
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015194.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 21:05
Operator : YP\AJ
Sample : Q1194-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
B-113-SB01

Integration File: autoint1.e
Quant Time: Jan 29 02:38:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

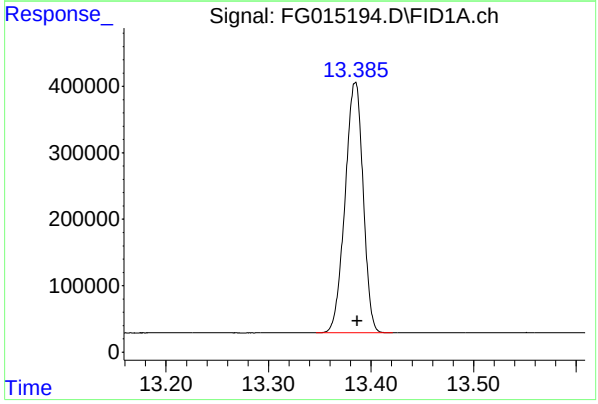




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.940 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
B-113-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.385 min
Delta R.T.: -0.002 min
Response: 4607301
Conc: 37.84 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015194.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 21:05
Sample : Q1194-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.282	3.222	3.315	BV	214	2183	0.05%	0.025%
2	3.328	3.315	3.345	VV	93	1066	0.02%	0.012%
3	3.364	3.345	3.418	PV	74	1785	0.04%	0.020%
4	3.428	3.418	3.442	VV	130	922	0.02%	0.010%
5	3.482	3.442	3.501	VV	140	3526	0.08%	0.040%
6	3.519	3.501	3.573	VV	167	4982	0.11%	0.057%
7	3.620	3.573	3.654	VV	193	6997	0.15%	0.080%
8	3.673	3.654	3.708	VV	277	5351	0.12%	0.061%
9	3.730	3.708	3.750	VV	178	3302	0.07%	0.038%
10	3.757	3.750	3.776	VV	136	1538	0.03%	0.017%
11	3.810	3.776	3.837	VV	116	3015	0.07%	0.034%
12	3.865	3.837	3.955	VV	118	6927	0.15%	0.079%
13	3.975	3.955	3.988	VV	139	1959	0.04%	0.022%
14	4.023	3.988	4.034	VV	132	2583	0.06%	0.029%
15	4.080	4.034	4.094	VV	396	6643	0.14%	0.076%
16	4.113	4.094	4.168	VV	826	12218	0.26%	0.139%
17	4.191	4.168	4.219	VV	198	4026	0.09%	0.046%
18	4.285	4.219	4.327	VV	661	16450	0.36%	0.187%
19	4.337	4.327	4.346	VV	179	1640	0.04%	0.019%
20	4.352	4.346	4.359	VV	146	1114	0.02%	0.013%
21	4.367	4.359	4.385	VV	173	2264	0.05%	0.026%
22	4.393	4.385	4.411	VV	185	2232	0.05%	0.025%
23	4.419	4.411	4.429	VV	160	1407	0.03%	0.016%
24	4.438	4.429	4.448	VV	184	1725	0.04%	0.020%
25	4.455	4.448	4.475	VV	222	2658	0.06%	0.030%
26	4.477	4.475	4.517	VV	165	3468	0.08%	0.039%
27	4.539	4.517	4.598	VV	634	14126	0.31%	0.161%
28	4.611	4.598	4.633	VV	185	3227	0.07%	0.037%
29	4.641	4.633	4.650	VV	125	1194	0.03%	0.014%
30	4.667	4.650	4.697	VV	403	6095	0.13%	0.069%
31	4.731	4.697	4.773	VV	1011	16158	0.35%	0.184%
32	4.793	4.773	4.808	VV	750	9182	0.20%	0.104%
33	4.826	4.808	4.888	VV	1434	20451	0.44%	0.233%
34	4.892	4.888	4.904	VV	189	1538	0.03%	0.017%
35	4.952	4.904	4.993	VV	305	10669	0.23%	0.121%
36	5.002	4.993	5.022	VV	201	2864	0.06%	0.033%

rteres

37	5.032	5.022	5.057	VV	223	3677	0.08%	0.042%
38	5.073	5.057	5.109	VV	206	4163	0.09%	0.047%
39	5.136	5.109	5.143	VV	151	2816	0.06%	0.032%
40	5.157	5.143	5.190	VV	276	4693	0.10%	0.053%
41	5.245	5.190	5.282	VV	3367	45559	0.99%	0.518%
42	5.307	5.282	5.347	VV	689	9543	0.21%	0.109%
43	5.363	5.347	5.413	VV	151	3250	0.07%	0.037%
44	5.455	5.413	5.477	VV	189	4162	0.09%	0.047%
45	5.495	5.477	5.527	VV	176	3087	0.07%	0.035%
46	5.541	5.527	5.586	VV	107	2123	0.05%	0.024%
47	5.645	5.586	5.658	VV	159	2825	0.06%	0.032%
48	5.683	5.658	5.705	VV	422	5389	0.12%	0.061%
49	5.728	5.705	5.755	VV	1062	11947	0.26%	0.136%
50	5.762	5.755	5.770	VV	92	727	0.02%	0.008%
51	5.788	5.770	5.842	VV	274	4558	0.10%	0.052%
52	5.868	5.842	5.931	VV	209	5276	0.11%	0.060%
53	5.946	5.931	5.965	VV	104	1425	0.03%	0.016%
54	5.998	5.965	6.032	VV	197	4203	0.09%	0.048%
55	6.059	6.032	6.096	VV	118	2588	0.06%	0.029%
56	6.117	6.096	6.136	VV	84	1079	0.02%	0.012%
57	6.164	6.136	6.186	PV	124	1678	0.04%	0.019%
58	6.216	6.186	6.228	VV	94	1474	0.03%	0.017%
59	6.253	6.228	6.293	VV	255	6181	0.13%	0.070%
60	6.319	6.293	6.343	VV	278	4762	0.10%	0.054%
61	6.363	6.343	6.412	VV	621	9746	0.21%	0.111%
62	6.428	6.412	6.458	VV	251	4390	0.10%	0.050%
63	6.502	6.458	6.538	VV	354	8736	0.19%	0.099%
64	6.544	6.538	6.588	VV	121	2181	0.05%	0.025%
65	6.603	6.588	6.622	VV	137	1707	0.04%	0.019%
66	6.650	6.622	6.672	VV	84	1943	0.04%	0.022%
67	6.719	6.672	6.754	VV	4799	52542	1.14%	0.598%
68	6.806	6.754	6.825	VV	558	8765	0.19%	0.100%
69	6.842	6.825	6.856	VV	357	3927	0.09%	0.045%
70	6.874	6.856	6.894	VV	958	10751	0.23%	0.122%
71	6.908	6.894	6.930	VV	299	3753	0.08%	0.043%
72	6.949	6.930	6.979	VV	477	5467	0.12%	0.062%
73	7.007	6.979	7.068	PV	104	3394	0.07%	0.039%
74	7.100	7.068	7.126	VV	152	3014	0.07%	0.034%
75	7.132	7.126	7.157	VV	101	1044	0.02%	0.012%
76	7.176	7.157	7.205	VV	576	7147	0.15%	0.081%
77	7.230	7.205	7.246	VV	655	9231	0.20%	0.105%
78	7.254	7.246	7.265	VV	376	3841	0.08%	0.044%
79	7.283	7.265	7.322	VV	624	12759	0.28%	0.145%
80	7.361	7.322	7.388	VV	1022	16850	0.36%	0.192%
81	7.398	7.388	7.422	VV	237	2850	0.06%	0.032%
82	7.444	7.422	7.501	VV	313	8058	0.17%	0.092%
83	7.527	7.501	7.562	VV	2298	27049	0.59%	0.308%
84	7.605	7.562	7.620	VV	320	7468	0.16%	0.085%
85	7.636	7.620	7.648	VV	446	4626	0.10%	0.053%
86	7.670	7.648	7.694	VV	2620	29456	0.64%	0.335%
87	7.708	7.694	7.716	VV	231	2278	0.05%	0.026%
88	7.734	7.716	7.752	VV	331	4884	0.11%	0.056%
89	7.763	7.752	7.808	VV	473	7001	0.15%	0.080%

rteres

90	7.847	7.808	7.865	VV	196	4498	0.10%	0.051%
91	7.883	7.865	7.908	VV	144	1890	0.04%	0.021%
92	7.937	7.908	7.967	PV	912	10768	0.23%	0.122%
93	7.988	7.967	8.007	VV	172	2570	0.06%	0.029%
94	8.019	8.007	8.072	VV	190	4234	0.09%	0.048%
95	8.103	8.072	8.118	VV	240	3894	0.08%	0.044%
96	8.132	8.118	8.147	VV	374	4562	0.10%	0.052%
97	8.159	8.147	8.178	VV	336	3695	0.08%	0.042%
98	8.202	8.178	8.222	VV	521	6165	0.13%	0.070%
99	8.247	8.222	8.282	VV	1490	18059	0.39%	0.205%
100	8.304	8.282	8.328	VV	1271	14281	0.31%	0.162%
101	8.343	8.328	8.356	VV	252	3217	0.07%	0.037%
102	8.375	8.356	8.392	VV	548	6841	0.15%	0.078%
103	8.404	8.392	8.437	VV	196	3988	0.09%	0.045%
104	8.460	8.437	8.526	VV	653	11061	0.24%	0.126%
105	8.555	8.526	8.588	VV	7805	85000	1.84%	0.967%
106	8.597	8.588	8.626	VV	308	5521	0.12%	0.063%
107	8.653	8.626	8.688	VV	644	14940	0.32%	0.170%
108	8.706	8.688	8.728	VV	534	7974	0.17%	0.091%
109	8.752	8.728	8.778	VV	486	7046	0.15%	0.080%
110	8.793	8.778	8.819	VV	528	6818	0.15%	0.078%
111	8.858	8.819	8.942	VV	23658	268674	5.82%	3.056%
112	8.977	8.942	8.994	VV	542	13757	0.30%	0.156%
113	9.014	8.994	9.035	VV	689	12902	0.28%	0.147%
114	9.051	9.035	9.072	VV	827	11459	0.25%	0.130%
115	9.099	9.072	9.137	VV	1593	30684	0.66%	0.349%
116	9.160	9.137	9.198	VV	464	9962	0.22%	0.113%
117	9.218	9.198	9.236	VV	413	5988	0.13%	0.068%
118	9.252	9.236	9.265	VV	434	5149	0.11%	0.059%
119	9.284	9.265	9.304	VV	1328	18141	0.39%	0.206%
120	9.323	9.304	9.365	VV	1028	24695	0.53%	0.281%
121	9.388	9.365	9.458	VV	2709	64369	1.39%	0.732%
122	9.475	9.458	9.496	VV	674	9170	0.20%	0.104%
123	9.525	9.496	9.555	VV	470	8201	0.18%	0.093%
124	9.578	9.555	9.593	VV	257	4484	0.10%	0.051%
125	9.609	9.593	9.618	VV	303	3746	0.08%	0.043%
126	9.627	9.618	9.640	VV	280	3412	0.07%	0.039%
127	9.646	9.640	9.658	VV	231	2268	0.05%	0.026%
128	9.691	9.658	9.730	VV	563	14092	0.31%	0.160%
129	9.758	9.730	9.795	VV	1167	21314	0.46%	0.242%
130	9.810	9.795	9.842	VV	431	8318	0.18%	0.095%
131	9.849	9.842	9.873	VV	417	5073	0.11%	0.058%
132	9.896	9.873	9.924	VV	721	11440	0.25%	0.130%
133	9.949	9.924	10.023	VV	977	16894	0.37%	0.192%
134	10.038	10.023	10.063	VV	189	2877	0.06%	0.033%
135	10.090	10.063	10.143	PV	576	11237	0.24%	0.128%
136	10.170	10.143	10.218	VV	2616	34916	0.76%	0.397%
137	10.247	10.218	10.301	VV	404	13257	0.29%	0.151%
138	10.322	10.301	10.332	VV	216	3400	0.07%	0.039%
139	10.343	10.332	10.370	VV	257	2836	0.06%	0.032%
140	10.391	10.370	10.405	VV	75	915	0.02%	0.010%
141	10.452	10.405	10.470	VV	234	5363	0.12%	0.061%

rteres

142	10.493	10.470	10.512	VV	378	6873	0.15%	0.078%
143	10.519	10.512	10.532	VV	294	3279	0.07%	0.037%
144	10.565	10.532	10.585	VV	710	13786	0.30%	0.157%
145	10.604	10.585	10.628	VV	471	8190	0.18%	0.093%
146	10.656	10.628	10.675	VV	365	7964	0.17%	0.091%
147	10.683	10.675	10.691	VV	234	2042	0.04%	0.023%
148	10.702	10.691	10.747	VV	235	5566	0.12%	0.063%
149	10.776	10.747	10.788	VV	411	6239	0.14%	0.071%
150	10.811	10.788	10.828	VV	360	6568	0.14%	0.075%
151	10.853	10.828	10.878	VV	577	12019	0.26%	0.137%
152	10.914	10.878	10.952	VV	1148	23873	0.52%	0.272%
153	10.973	10.952	10.985	VV	467	7136	0.15%	0.081%
154	10.995	10.985	11.015	VV	476	7639	0.17%	0.087%
155	11.043	11.015	11.101	VV	1171	25699	0.56%	0.292%
156	11.122	11.101	11.153	VV	295	7337	0.16%	0.083%
157	11.169	11.153	11.188	VV	213	3474	0.08%	0.040%
158	11.194	11.188	11.218	VV	189	2998	0.06%	0.034%
159	11.238	11.218	11.271	VV	327	7052	0.15%	0.080%
160	11.288	11.271	11.299	VV	296	4065	0.09%	0.046%
161	11.309	11.299	11.325	VV	289	4293	0.09%	0.049%
162	11.344	11.325	11.360	VV	549	8281	0.18%	0.094%
163	11.371	11.360	11.398	VV	284	3833	0.08%	0.044%
164	11.422	11.398	11.464	VV	256	4769	0.10%	0.054%
165	11.477	11.464	11.488	PV	118	859	0.02%	0.010%
166	11.551	11.488	11.583	VV	3538	49051	1.06%	0.558%
167	11.623	11.583	11.652	VV	2673	38347	0.83%	0.436%
168	11.666	11.652	11.672	VV	247	2176	0.05%	0.025%
169	11.716	11.672	11.758	VV	1276	20740	0.45%	0.236%
170	11.773	11.758	11.790	VV	119	1211	0.03%	0.014%
171	11.853	11.790	11.884	VV	197	4462	0.10%	0.051%
172	11.944	11.884	11.995	VV	302	14326	0.31%	0.163%
173	12.013	11.995	12.053	VV	515	10595	0.23%	0.120%
174	12.080	12.053	12.128	VV	425	10965	0.24%	0.125%
175	12.287	12.128	12.314	VV	741	34614	0.75%	0.394%
176	12.340	12.314	12.365	VV	402	9267	0.20%	0.105%
177	12.383	12.365	12.406	VV	393	6914	0.15%	0.079%
178	12.433	12.406	12.470	VV	422	12258	0.27%	0.139%
179	12.509	12.470	12.556	VV	925	26896	0.58%	0.306%
180	12.576	12.556	12.600	VV	635	11340	0.25%	0.129%
181	12.620	12.600	12.651	VV	709	11211	0.24%	0.128%
182	12.707	12.651	12.722	VV	452	11880	0.26%	0.135%
183	12.744	12.722	12.760	VV	565	8974	0.19%	0.102%
184	12.797	12.760	12.843	VV	1578	28926	0.63%	0.329%
185	12.874	12.843	12.901	VV	937	13823	0.30%	0.157%
186	12.935	12.901	12.961	VV	1969	27951	0.61%	0.318%
187	12.974	12.961	12.985	VV	224	2881	0.06%	0.033%
188	13.006	12.985	13.038	VV	259	6189	0.13%	0.070%
189	13.055	13.038	13.086	VV	302	5730	0.12%	0.065%
190	13.100	13.086	13.117	VV	124	1325	0.03%	0.015%
191	13.195	13.117	13.203	PV	203	4102	0.09%	0.047%
192	13.213	13.203	13.245	VV	217	4124	0.09%	0.047%
193	13.260	13.245	13.275	VV	171	1951	0.04%	0.022%
194	13.299	13.275	13.309	VV	246	3035	0.07%	0.035%

rteres

195	13.327	13.309	13.334	VV	222	2793	0.06%	0.032%
196	13.384	13.334	13.423	VV	379198	4618909	100.00%	52.532%
197	13.438	13.423	13.500	VV	358	11857	0.26%	0.135%
198	13.515	13.500	13.526	VV	258	3189	0.07%	0.036%
199	13.550	13.526	13.585	VV	490	12188	0.26%	0.139%
200	13.606	13.585	13.644	VV	404	11205	0.24%	0.127%
201	13.666	13.644	13.728	VV	297	10344	0.22%	0.118%
202	13.755	13.728	13.788	VV	352	10185	0.22%	0.116%
203	13.827	13.788	13.875	VV	451	15238	0.33%	0.173%
204	13.890	13.875	13.918	VV	230	4495	0.10%	0.051%
205	13.950	13.918	13.968	VV	236	6022	0.13%	0.068%
206	14.003	13.968	14.031	VV	377	9475	0.21%	0.108%
207	14.043	14.031	14.048	VV	200	1496	0.03%	0.017%
208	14.086	14.048	14.111	VV	688	12969	0.28%	0.147%
209	14.139	14.111	14.182	VV	1600	22790	0.49%	0.259%
210	14.192	14.182	14.215	VV	96	1804	0.04%	0.021%
211	14.225	14.215	14.287	VV	98	2300	0.05%	0.026%
212	14.301	14.287	14.315	PV	76	500	0.01%	0.006%
213	14.353	14.315	14.420	VV	166	7303	0.16%	0.083%
214	14.433	14.420	14.459	VV	149	2625	0.06%	0.030%
215	14.476	14.459	14.498	VV	193	3090	0.07%	0.035%
216	14.512	14.498	14.520	VV	125	1427	0.03%	0.016%
217	14.577	14.520	14.628	VV	1105	23675	0.51%	0.269%
218	14.633	14.628	14.662	VV	244	3921	0.08%	0.045%
219	14.671	14.662	14.680	VV	223	2229	0.05%	0.025%
220	14.705	14.680	14.738	VV	581	10492	0.23%	0.119%
221	14.764	14.738	14.776	VV	240	3746	0.08%	0.043%
222	14.842	14.776	14.888	VV	294	15303	0.33%	0.174%
223	14.901	14.888	14.930	VV	262	5170	0.11%	0.059%
224	14.956	14.930	14.989	VV	230	7090	0.15%	0.081%
225	15.024	14.989	15.040	VV	292	7613	0.16%	0.087%
226	15.053	15.040	15.160	VV	297	11938	0.26%	0.136%
227	15.200	15.160	15.225	VV	590	11939	0.26%	0.136%
228	15.246	15.225	15.368	VV	2459	38404	0.83%	0.437%
229	15.383	15.368	15.395	VV	65	775	0.02%	0.009%
230	15.417	15.395	15.502	VV	277	7061	0.15%	0.080%
231	15.514	15.502	15.534	VV	98	1091	0.02%	0.012%
232	15.552	15.534	15.573	VV	94	1371	0.03%	0.016%
233	15.672	15.573	15.708	PV	254	8122	0.18%	0.092%
234	15.768	15.708	15.805	VV	2487	37060	0.80%	0.421%
235	15.815	15.805	15.852	VV	133	2589	0.06%	0.029%
236	15.869	15.852	15.879	PV	109	715	0.02%	0.008%
237	15.901	15.879	15.922	VV	138	2402	0.05%	0.027%
238	15.952	15.922	15.990	VV	183	5275	0.11%	0.060%
239	15.996	15.990	16.025	VV	143	1906	0.04%	0.022%
240	16.092	16.025	16.117	VV	310	9980	0.22%	0.114%
241	16.129	16.117	16.182	VV	266	5863	0.13%	0.067%
242	16.188	16.182	16.204	VV	72	889	0.02%	0.010%
243	16.231	16.204	16.245	VV	419	5471	0.12%	0.062%
244	16.272	16.245	16.303	VV	4265	59154	1.28%	0.673%
245	16.313	16.303	16.355	VV	204	3352	0.07%	0.038%
246	16.377	16.355	16.389	PV	78	884	0.02%	0.010%

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247	16.413	16.389	16.427	VV	124	1594	0.03%	0.018%
248	16.441	16.427	16.480	VV	146	3111	0.07%	0.035%
249	16.489	16.480	16.509	VV	85	1180	0.03%	0.013%
250	16.517	16.509	16.545	VV	62	658	0.01%	0.007%
251	16.584	16.545	16.618	PV	451	8640	0.19%	0.098%
252	16.633	16.618	16.701	VV	172	5377	0.12%	0.061%
253	16.756	16.701	16.848	VV	3622	57594	1.25%	0.655%
254	16.925	16.848	17.000	VV	316	16503	0.36%	0.188%
255	17.060	17.000	17.081	VV	397	12494	0.27%	0.142%
256	17.130	17.081	17.164	VV	385	14585	0.32%	0.166%
257	17.190	17.164	17.198	VV	568	7682	0.17%	0.087%
258	17.224	17.198	17.265	VV	4018	59720	1.29%	0.679%
259	17.307	17.265	17.382	VV	211	8293	0.18%	0.094%
260	17.388	17.382	17.408	VV	137	1250	0.03%	0.014%
261	17.437	17.408	17.482	VV	352	7021	0.15%	0.080%
262	17.516	17.482	17.540	VV	328	6308	0.14%	0.072%
263	17.559	17.540	17.596	PV	263	4969	0.11%	0.057%
264	17.615	17.596	17.624	VV	103	1419	0.03%	0.016%
265	17.677	17.624	17.712	VV	3318	49127	1.06%	0.559%
266	17.775	17.712	17.808	VV	193	7635	0.17%	0.087%
267	17.818	17.808	17.875	VV	178	5547	0.12%	0.063%
268	17.910	17.875	17.921	VV	174	4237	0.09%	0.048%
269	17.960	17.921	17.981	VV	339	7493	0.16%	0.085%
270	18.006	17.981	18.042	VV	227	5579	0.12%	0.063%
271	18.114	18.042	18.147	VV	3145	52010	1.13%	0.592%
272	18.168	18.147	18.212	VV	131	3276	0.07%	0.037%
273	18.261	18.212	18.350	PV	199	8300	0.18%	0.094%
274	18.387	18.350	18.410	VV	217	4952	0.11%	0.056%
275	18.434	18.410	18.466	VV	279	3933	0.09%	0.045%
276	18.496	18.466	18.507	PV	174	2265	0.05%	0.026%
277	18.538	18.507	18.577	VV	2617	38081	0.82%	0.433%
278	18.616	18.577	18.644	VV	123	3302	0.07%	0.038%
279	18.670	18.644	18.696	VV	157	3310	0.07%	0.038%
280	18.742	18.696	18.764	VV	126	3521	0.08%	0.040%
281	18.798	18.764	18.825	VV	258	5841	0.13%	0.066%
282	18.860	18.825	18.869	VV	167	3512	0.08%	0.040%
283	18.875	18.869	18.882	VV	107	730	0.02%	0.008%
284	18.948	18.882	19.000	VV	2008	37138	0.80%	0.422%
285	19.009	19.000	19.047	VV	94	1729	0.04%	0.020%
286	19.098	19.047	19.128	PV	147	4545	0.10%	0.052%
287	19.143	19.128	19.161	VV	95	1228	0.03%	0.014%
288	19.205	19.161	19.218	PV	110	2478	0.05%	0.028%
289	19.261	19.218	19.278	VV	88	1710	0.04%	0.019%
290	19.346	19.278	19.374	PV	1266	18854	0.41%	0.214%
291	19.386	19.374	19.405	VV	108	1125	0.02%	0.013%
292	19.489	19.405	19.498	VV	171	3109	0.07%	0.035%
293	19.520	19.498	19.564	VV	237	4925	0.11%	0.056%
294	19.608	19.564	19.621	VV	139	3447	0.07%	0.039%
295	19.634	19.621	19.649	VV	124	1704	0.04%	0.019%
296	19.734	19.649	19.762	VV	1318	25887	0.56%	0.294%
297	19.775	19.762	19.812	VV	158	3381	0.07%	0.038%
298	19.850	19.812	19.864	VV	162	3873	0.08%	0.044%
299	19.912	19.864	19.944	VV	261	8193	0.18%	0.093%

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300	19.990	19.944	20.002	VV	299	8244	0.18%	0.094%
301	20.034	20.002	20.068	VV	332	10323	0.22%	0.117%
302	20.110	20.068	20.142	VV	978	20988	0.45%	0.239%
303	20.291	20.142	20.323	VV	558	44235	0.96%	0.503%
304	20.389	20.323	20.418	VV	671	33268	0.72%	0.378%
305	20.476	20.418	20.501	VV	1583	45979	1.00%	0.523%
306	20.535	20.501	20.553	VV	953	27177	0.59%	0.309%
307	20.571	20.553	20.601	VV	893	24693	0.53%	0.281%
308	20.738	20.601	20.778	VV	1335	116493	2.52%	1.325%
309	20.837	20.778	20.883	VV	1450	75719	1.64%	0.861%
310	21.015	20.883	21.048	VV	1492	125304	2.71%	1.425%
311	21.054	21.048	21.087	VV	1354	30509	0.66%	0.347%
312	21.134	21.087	21.152	VV	1324	51255	1.11%	0.583%
313	21.163	21.152	21.187	VV	1346	27139	0.59%	0.309%
314	21.223	21.187	21.258	VV	1880	65098	1.41%	0.740%
315	21.268	21.258	21.298	VV	1294	29739	0.64%	0.338%
316	21.341	21.298	21.405	VV	1239	76273	1.65%	0.867%
317	21.416	21.405	21.495	VV	1137	57062	1.24%	0.649%
318	21.501	21.495	21.534	VV	989	22205	0.48%	0.253%
319	21.564	21.534	21.615	VV	997	42788	0.93%	0.487%
320	21.665	21.615	21.686	VV	869	34386	0.74%	0.391%
321	21.695	21.686	21.769	VV	781	32717	0.71%	0.372%
322	21.781	21.769	21.791	VV	616	7843	0.17%	0.089%
323	21.803	21.791	21.855	VV	632	20726	0.45%	0.236%
324	21.872	21.855	21.881	VV	499	7369	0.16%	0.084%
325	21.894	21.881	21.915	VV	495	8911	0.19%	0.101%
326	21.950	21.915	21.962	VV	453	10956	0.24%	0.125%
327	21.972	21.962	22.020	VV	415	12907	0.28%	0.147%
328	22.047	22.020	22.108	VV	386	17422	0.38%	0.198%
329	22.162	22.108	22.213	VV	922	32951	0.71%	0.375%
330	22.227	22.213	22.254	VV	311	5642	0.12%	0.064%
331	22.264	22.254	22.288	VV	171	2897	0.06%	0.033%
332	22.381	22.288	22.407	VV	138	6197	0.13%	0.070%
333	22.422	22.407	22.430	PV	24	468	0.01%	0.005%
			Sum of corrected areas:			8792583		

Aliphatic EPH 011425.M Wed Jan 29 03:47:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015338.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 21:34
Operator : YP\AJ
Sample : Q1194-04
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
B-113-SB02

Integration File: autoint1.e
Quant Time: Jan 29 00:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.993	7626767	57.778 ug/ml
Spiked Amount 50.000		Recovery = 115.56%	
6) S 2-Flurobiphenyl (SURR)	8.865	4437221	52.569 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 105.14%	
11) S ortho-Terphenyl (SURR)	11.930	6884877	39.995 ug/ml
Spiked Amount 50.000		Recovery = 79.99%	
Target Compounds			

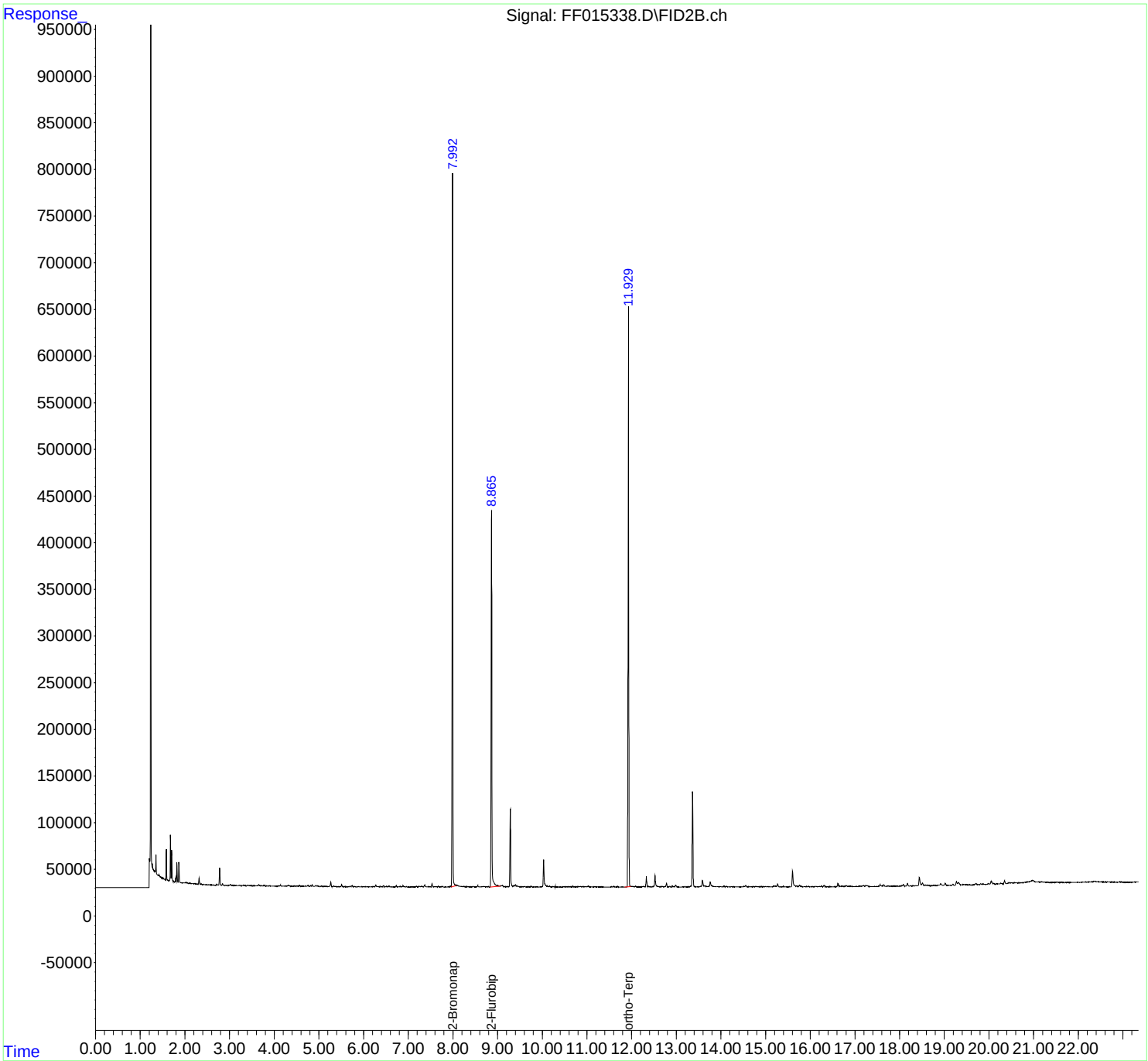
(f)=RT Delta > 1/2 Window (m)=manual int.

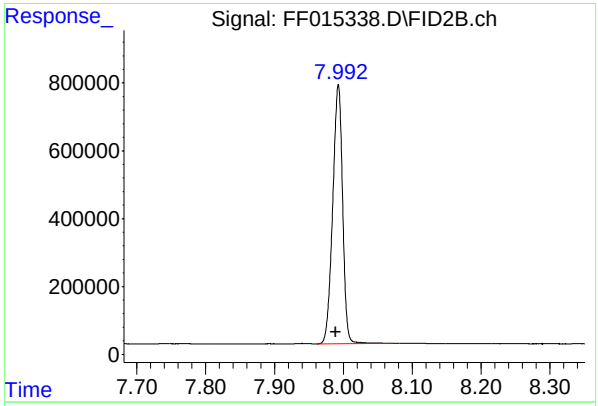
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015338.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 21:34
Operator : YP\AJ
Sample : Q1194-04
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
B-113-SB02

Integration File: autoint1.e
Quant Time: Jan 29 00:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

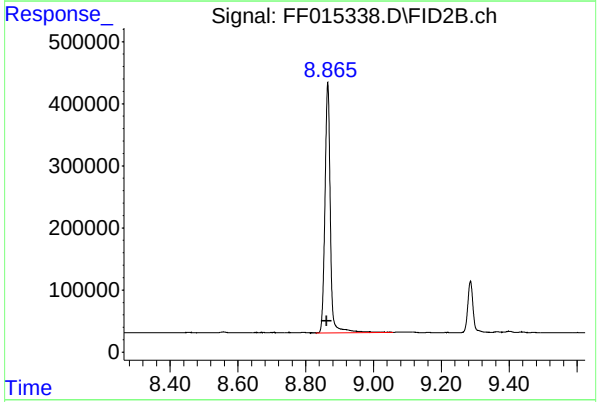




#4 2-Bromonaphthalene (SURR)

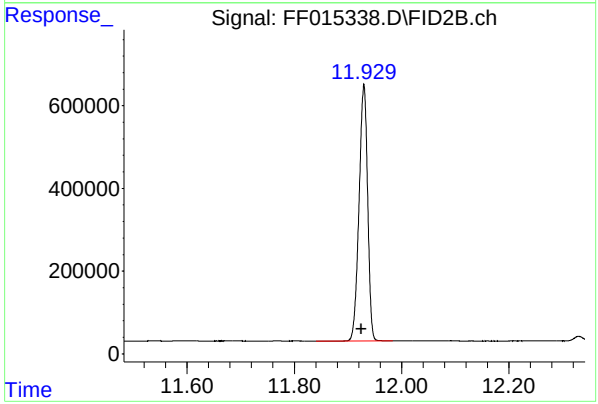
R.T.: 7.993 min
Delta R.T.: 0.004 min
Response: 7626767
Conc: 57.78 ug/ml

Instrument :
FID_F
ClientSampleId :
B-113-SB02



#6 2-Flurobiphenyl (SURR)

R.T.: 8.865 min
Delta R.T.: 0.003 min
Response: 4437221
Conc: 52.57 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: 0.005 min
Response: 6884877
Conc: 40.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015338.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 21:34
Sample : Q1194-04
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.452	4.438	4.479	PV	338	3848	0.05%	0.015%
2	4.511	4.479	4.537	VV	503	7018	0.09%	0.027%
3	4.565	4.537	4.594	VV	1381	15920	0.21%	0.061%
4	4.603	4.594	4.624	VV	226	2506	0.03%	0.010%
5	4.646	4.624	4.675	VV	208	3820	0.05%	0.015%
6	4.694	4.675	4.713	VV	506	5730	0.07%	0.022%
7	4.755	4.713	4.780	VV	1476	19542	0.25%	0.075%
8	4.783	4.780	4.799	VV	221	1526	0.02%	0.006%
9	4.817	4.799	4.832	VV	1097	11277	0.15%	0.043%
10	4.850	4.832	4.873	VV	2109	22448	0.29%	0.086%
11	4.879	4.873	4.886	VV	168	1095	0.01%	0.004%
12	4.890	4.886	4.902	VV	174	1285	0.02%	0.005%
13	4.933	4.902	4.962	VV	1199	21644	0.28%	0.083%
14	4.980	4.962	5.006	VV	539	10686	0.14%	0.041%
15	5.022	5.006	5.032	VV	251	3465	0.05%	0.013%
16	5.060	5.032	5.100	VV	660	12023	0.16%	0.046%
17	5.120	5.100	5.137	VV	211	3323	0.04%	0.013%
18	5.142	5.137	5.157	VV	197	1435	0.02%	0.005%
19	5.180	5.157	5.196	VV	426	4957	0.06%	0.019%
20	5.200	5.196	5.217	VV	166	1731	0.02%	0.007%
21	5.242	5.217	5.248	VV	691	7260	0.09%	0.028%
22	5.267	5.248	5.307	VV	5277	61690	0.80%	0.235%
23	5.329	5.307	5.346	VV	1035	12287	0.16%	0.047%
24	5.353	5.346	5.372	VV	396	3748	0.05%	0.014%
25	5.386	5.372	5.411	VV	324	4100	0.05%	0.016%
26	5.446	5.432	5.460	PV	143	1309	0.02%	0.005%
27	5.477	5.460	5.490	VV	330	3374	0.04%	0.013%
28	5.509	5.490	5.547	VV	2606	30853	0.40%	0.118%
29	5.560	5.547	5.607	VV	319	6798	0.09%	0.026%
30	5.612	5.607	5.627	VV	167	1292	0.02%	0.005%
31	5.647	5.627	5.651	VV	149	1627	0.02%	0.006%
32	5.660	5.651	5.682	VV	274	3700	0.05%	0.014%
33	5.700	5.682	5.718	VV	867	10715	0.14%	0.041%
34	5.747	5.718	5.772	VV	1609	25652	0.33%	0.098%
35	5.781	5.772	5.794	VV	284	2448	0.03%	0.009%
36	5.805	5.794	5.825	VV	478	5360	0.07%	0.020%

rteres

37	5.830	5.825	5.844	PV	144	1190	0.02%	0.005%
38	5.855	5.844	5.867	VV	199	2020	0.03%	0.008%
39	5.895	5.867	5.917	VV	384	6009	0.08%	0.023%
40	5.928	5.917	5.947	VV	152	1578	0.02%	0.006%
41	5.965	5.947	5.981	VV	282	3251	0.04%	0.012%
42	5.992	5.981	6.003	VV	404	3572	0.05%	0.014%
43	6.014	6.003	6.034	VV	365	4441	0.06%	0.017%
44	6.050	6.034	6.069	VV	478	4865	0.06%	0.019%
45	6.088	6.069	6.120	VV	343	4971	0.06%	0.019%
46	6.129	6.120	6.160	VV	168	2560	0.03%	0.010%
47	6.178	6.160	6.205	VV	340	5763	0.07%	0.022%
48	6.222	6.205	6.228	VV	510	5061	0.07%	0.019%
49	6.230	6.228	6.251	VV	496	4702	0.06%	0.018%
50	6.274	6.251	6.299	VV	2236	29615	0.39%	0.113%
51	6.313	6.299	6.318	VV	478	4861	0.06%	0.019%
52	6.332	6.318	6.360	VV	507	9911	0.13%	0.038%
53	6.378	6.360	6.412	VV	972	16208	0.21%	0.062%
54	6.448	6.412	6.469	VV	1487	22552	0.29%	0.086%
55	6.512	6.469	6.534	VV	588	14701	0.19%	0.056%
56	6.543	6.534	6.555	VV	404	4676	0.06%	0.018%
57	6.574	6.555	6.623	VV	1183	18314	0.24%	0.070%
58	6.648	6.623	6.673	VV	270	5274	0.07%	0.020%
59	6.689	6.673	6.707	VV	235	2584	0.03%	0.010%
60	6.732	6.707	6.758	VV	1721	19890	0.26%	0.076%
61	6.771	6.758	6.787	VV	394	4904	0.06%	0.019%
62	6.816	6.787	6.839	VV	902	12633	0.16%	0.048%
63	6.855	6.839	6.868	VV	561	6281	0.08%	0.024%
64	6.885	6.868	6.905	VV	1364	15884	0.21%	0.061%
65	6.920	6.905	6.940	VV	446	5191	0.07%	0.020%
66	6.961	6.940	6.987	PV	765	8552	0.11%	0.033%
67	7.006	6.987	7.010	VV	193	1937	0.03%	0.007%
68	7.015	7.010	7.039	VV	249	2096	0.03%	0.008%
69	7.061	7.039	7.084	VV	430	6555	0.09%	0.025%
70	7.096	7.084	7.100	VV	170	1053	0.01%	0.004%
71	7.116	7.100	7.148	VV	461	7488	0.10%	0.029%
72	7.186	7.148	7.220	VV	903	14561	0.19%	0.056%
73	7.241	7.220	7.270	VV	1093	18912	0.25%	0.072%
74	7.289	7.270	7.334	VV	1019	23947	0.31%	0.091%
75	7.369	7.334	7.424	VV	2268	42733	0.56%	0.163%
76	7.451	7.424	7.467	VV	458	7904	0.10%	0.030%
77	7.477	7.467	7.493	VV	434	5131	0.07%	0.020%
78	7.502	7.493	7.510	VV	286	2365	0.03%	0.009%
79	7.534	7.510	7.566	VV	3842	46498	0.60%	0.177%
80	7.571	7.566	7.575	VV	254	1157	0.02%	0.004%
81	7.595	7.575	7.605	VV	517	7138	0.09%	0.027%
82	7.615	7.605	7.627	VV	506	5598	0.07%	0.021%
83	7.642	7.627	7.656	VV	590	6843	0.09%	0.026%
84	7.675	7.656	7.700	VV	1008	13123	0.17%	0.050%
85	7.716	7.700	7.723	VV	271	2432	0.03%	0.009%
86	7.742	7.723	7.758	VV	598	8571	0.11%	0.033%
87	7.770	7.758	7.811	VV	699	8913	0.12%	0.034%
88	7.842	7.820	7.875	VV	292	4628	0.06%	0.018%
89	7.892	7.875	7.904	VV	459	4832	0.06%	0.018%

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90	7.912	7.904	7.923	VV	258	2320	0.03%	0.009%
91	7.942	7.923	7.960	VV	1299	14806	0.19%	0.056%
92	7.993	7.960	8.077	VV	764082	7690660	100.00%	29.331%
93	8.087	8.077	8.157	VV	2068	69237	0.90%	0.264%
94	8.161	8.157	8.197	VV	873	16011	0.21%	0.061%
95	8.207	8.197	8.226	VV	683	9916	0.13%	0.038%
96	8.250	8.226	8.271	VV	1026	18006	0.23%	0.069%
97	8.309	8.271	8.326	VV	484	12743	0.17%	0.049%
98	8.341	8.326	8.377	VV	539	9955	0.13%	0.038%
99	8.384	8.377	8.424	VV	284	5859	0.08%	0.022%
100	8.453	8.424	8.479	VV	843	15159	0.20%	0.058%
101	8.506	8.479	8.524	VV	297	5456	0.07%	0.021%
102	8.557	8.524	8.582	VV	1672	23638	0.31%	0.090%
103	8.585	8.582	8.609	VV	398	4720	0.06%	0.018%
104	8.625	8.609	8.634	VV	372	4298	0.06%	0.016%
105	8.652	8.634	8.663	VV	633	8881	0.12%	0.034%
106	8.674	8.663	8.686	VV	671	8001	0.10%	0.031%
107	8.698	8.686	8.735	VV	678	13400	0.17%	0.051%
108	8.751	8.735	8.773	VV	599	8612	0.11%	0.033%
109	8.794	8.773	8.821	VV	816	11093	0.14%	0.042%
110	8.865	8.829	9.010	VV	403170	4474051	58.18%	17.063%
111	9.018	9.010	9.037	VV	1558	21579	0.28%	0.082%
112	9.042	9.037	9.057	VV	1137	13538	0.18%	0.052%
113	9.074	9.057	9.085	VV	1481	21285	0.28%	0.081%
114	9.099	9.085	9.108	VV	1484	18405	0.24%	0.070%
115	9.113	9.108	9.143	VV	1434	20155	0.26%	0.077%
116	9.165	9.143	9.179	VV	750	12408	0.16%	0.047%
117	9.186	9.179	9.195	VV	495	4730	0.06%	0.018%
118	9.213	9.195	9.232	VV	703	12203	0.16%	0.047%
119	9.286	9.232	9.349	VV	83405	927423	12.06%	3.537%
120	9.364	9.349	9.379	VV	1941	25925	0.34%	0.099%
121	9.400	9.379	9.423	VV	2603	43727	0.57%	0.167%
122	9.437	9.423	9.460	VV	1642	24332	0.32%	0.093%
123	9.472	9.460	9.504	VV	810	12528	0.16%	0.048%
124	9.521	9.504	9.553	VV	568	10726	0.14%	0.041%
125	9.571	9.553	9.588	VV	498	8420	0.11%	0.032%
126	9.603	9.588	9.647	VV	670	13255	0.17%	0.051%
127	9.689	9.647	9.709	VV	512	13231	0.17%	0.050%
128	9.717	9.709	9.724	VV	243	1986	0.03%	0.008%
129	9.752	9.724	9.794	VV	1058	18563	0.24%	0.071%
130	9.827	9.802	9.870	VV	394	9871	0.13%	0.038%
131	9.890	9.870	9.917	VV	522	7442	0.10%	0.028%
132	9.920	9.917	9.934	VV	130	1238	0.02%	0.005%
133	9.946	9.934	9.965	VV	334	4697	0.06%	0.018%
134	9.968	9.965	9.973	VV	237	1014	0.01%	0.004%
135	10.001	9.973	10.010	VV	872	11356	0.15%	0.043%
136	10.033	10.010	10.141	VV	29408	422541	5.49%	1.612%
137	10.165	10.141	10.205	VV	1360	23309	0.30%	0.089%
138	10.236	10.205	10.287	VV	583	17204	0.22%	0.066%
139	10.292	10.287	10.298	VV	766	1747	0.02%	0.007%
140	10.315	10.298	10.324	VV	306	3908	0.05%	0.015%
141	10.337	10.324	10.350	VV	303	3548	0.05%	0.014%

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142	10.375	10.366	10.382	VV	187	1091	0.01%	0.004%
143	10.394	10.382	10.407	VV	277	2943	0.04%	0.011%
144	10.412	10.407	10.429	VV	201	1878	0.02%	0.007%
145	10.443	10.429	10.459	VV	253	3402	0.04%	0.013%
146	10.487	10.459	10.530	VV	578	14888	0.19%	0.057%
147	10.560	10.530	10.575	VV	549	10393	0.14%	0.040%
148	10.591	10.575	10.610	VV	603	9952	0.13%	0.038%
149	10.624	10.610	10.644	VV	692	9923	0.13%	0.038%
150	10.649	10.644	10.665	VV	465	4193	0.05%	0.016%
151	10.686	10.665	10.705	VV	1245	16114	0.21%	0.061%
152	10.722	10.705	10.740	VV	416	6071	0.08%	0.023%
153	10.768	10.740	10.777	VV	576	9720	0.13%	0.037%
154	10.789	10.777	10.817	VV	767	12247	0.16%	0.047%
155	10.855	10.817	10.873	VV	701	18304	0.24%	0.070%
156	10.904	10.873	10.942	VV	635	18685	0.24%	0.071%
157	10.960	10.942	10.974	VV	696	8789	0.11%	0.034%
158	10.993	10.974	11.000	VV	423	5915	0.08%	0.023%
159	11.033	11.000	11.057	VV	1354	25166	0.33%	0.096%
160	11.095	11.057	11.110	VV	437	9339	0.12%	0.036%
161	11.122	11.110	11.154	VV	436	8383	0.11%	0.032%
162	11.170	11.154	11.202	VV	428	9272	0.12%	0.035%
163	11.221	11.202	11.227	VV	302	3966	0.05%	0.015%
164	11.234	11.227	11.240	VV	347	2561	0.03%	0.010%
165	11.244	11.240	11.259	VV	356	3206	0.04%	0.012%
166	11.276	11.259	11.293	VV	375	5920	0.08%	0.023%
167	11.302	11.293	11.310	VV	311	2978	0.04%	0.011%
168	11.330	11.310	11.352	VV	628	10535	0.14%	0.040%
169	11.355	11.352	11.359	VV	297	1183	0.02%	0.005%
170	11.363	11.359	11.380	VV	278	1932	0.03%	0.007%
171	11.413	11.380	11.424	VV	170	2942	0.04%	0.011%
172	11.440	11.437	11.460	VV	155	1028	0.01%	0.004%
173	11.477	11.460	11.494	VV	129	1693	0.02%	0.006%
174	11.542	11.520	11.564	VV	537	7474	0.10%	0.029%
175	11.584	11.564	11.594	VV	525	5896	0.08%	0.022%
176	11.607	11.594	11.637	VV	813	11260	0.15%	0.043%
177	11.654	11.637	11.664	VV	258	2903	0.04%	0.011%
178	11.685	11.664	11.730	VV	958	16048	0.21%	0.061%
179	11.737	11.730	11.749	VV	144	1248	0.02%	0.005%
180	11.769	11.749	11.787	VV	479	5670	0.07%	0.022%
181	11.801	11.787	11.829	VV	397	5707	0.07%	0.022%
182	11.850	11.829	11.876	VV	157	2233	0.03%	0.009%
183	11.930	11.876	11.984	PV	621545	6912604	89.88%	26.364%
184	11.997	11.984	12.011	VV	835	11760	0.15%	0.045%
185	12.026	12.011	12.052	VV	938	16940	0.22%	0.065%
186	12.057	12.052	12.062	VV	481	2377	0.03%	0.009%
187	12.092	12.062	12.113	VV	1022	18874	0.25%	0.072%
188	12.132	12.113	12.147	VV	317	4585	0.06%	0.017%
189	12.161	12.147	12.192	VV	303	5716	0.07%	0.022%
190	12.206	12.192	12.215	VV	341	3681	0.05%	0.014%
191	12.272	12.215	12.302	VV	991	27874	0.36%	0.106%
192	12.330	12.302	12.356	VV	11733	145608	1.89%	0.555%
193	12.373	12.356	12.398	VV	1185	17341	0.23%	0.066%
194	12.411	12.398	12.460	VV	496	14536	0.19%	0.055%

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195	12.523	12.460	12.622	VV	12580	223847	2.91%	0.854%
196	12.637	12.622	12.645	VV	651	8006	0.10%	0.031%
197	12.654	12.645	12.668	VV	664	7990	0.10%	0.030%
198	12.676	12.668	12.679	VV	563	3212	0.04%	0.012%
199	12.689	12.679	12.719	VV	645	12782	0.17%	0.049%
200	12.727	12.719	12.738	VV	496	5139	0.07%	0.020%
201	12.780	12.738	12.829	VV	4154	69028	0.90%	0.263%
202	12.855	12.829	12.885	VV	970	17263	0.22%	0.066%
203	12.918	12.885	12.944	VV	1053	16963	0.22%	0.065%
204	12.950	12.944	12.955	VV	362	2306	0.03%	0.009%
205	12.985	12.955	13.026	VV	2353	42789	0.56%	0.163%
206	13.031	13.026	13.034	VV	236	1008	0.01%	0.004%
207	13.044	13.034	13.054	VV	346	2920	0.04%	0.011%
208	13.058	13.054	13.087	VV	269	2769	0.04%	0.011%
209	13.139	13.109	13.155	PV	361	5155	0.07%	0.020%
210	13.177	13.155	13.185	VV	323	4346	0.06%	0.017%
211	13.197	13.185	13.234	VV	465	9047	0.12%	0.035%
212	13.240	13.234	13.256	VV	289	2848	0.04%	0.011%
213	13.284	13.256	13.300	VV	671	11732	0.15%	0.045%
214	13.322	13.300	13.334	VV	1149	16874	0.22%	0.064%
215	13.364	13.334	13.439	VV	102180	1236442	16.08%	4.716%
216	13.443	13.439	13.450	VV	347	2207	0.03%	0.008%
217	13.490	13.450	13.511	VV	518	13663	0.18%	0.052%
218	13.555	13.511	13.560	VV	985	19167	0.25%	0.073%
219	13.585	13.560	13.696	VV	7172	160187	2.08%	0.611%
220	13.709	13.696	13.713	VV	580	5688	0.07%	0.022%
221	13.759	13.713	13.851	VV	5661	138260	1.80%	0.527%
222	13.869	13.851	13.881	VV	543	8799	0.11%	0.034%
223	13.885	13.881	13.891	VV	497	2809	0.04%	0.011%
224	13.909	13.891	13.914	VV	569	6756	0.09%	0.026%
225	13.932	13.914	13.962	VV	613	14515	0.19%	0.055%
226	13.982	13.962	14.019	VV	610	14688	0.19%	0.056%
227	14.067	14.019	14.097	VV	1298	27580	0.36%	0.105%
228	14.118	14.097	14.159	VV	990	20383	0.27%	0.078%
229	14.177	14.159	14.202	VV	364	7207	0.09%	0.027%
230	14.237	14.202	14.267	VV	571	13331	0.17%	0.051%
231	14.279	14.267	14.299	VV	362	4579	0.06%	0.017%
232	14.345	14.299	14.362	VV	275	7935	0.10%	0.030%
233	14.368	14.362	14.397	VV	249	4110	0.05%	0.016%
234	14.404	14.397	14.431	VV	218	3496	0.05%	0.013%
235	14.454	14.431	14.481	VV	331	6607	0.09%	0.025%
236	14.515	14.481	14.529	VV	663	11985	0.16%	0.046%
237	14.555	14.529	14.593	VV	1815	33154	0.43%	0.126%
238	14.599	14.593	14.632	VV	381	7861	0.10%	0.030%
239	14.640	14.632	14.659	VV	282	4054	0.05%	0.015%
240	14.679	14.659	14.702	VV	438	8797	0.11%	0.034%
241	14.719	14.702	14.753	VV	400	10545	0.14%	0.040%
242	14.783	14.753	14.807	VV	537	13799	0.18%	0.053%
243	14.815	14.807	14.829	VV	493	5284	0.07%	0.020%
244	14.838	14.829	14.872	VV	480	9371	0.12%	0.036%
245	14.893	14.872	14.908	VV	359	6274	0.08%	0.024%
246	14.927	14.908	14.961	VV	417	9009	0.12%	0.034%

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247	15.000	14.961	15.020	VV	524	12641	0.16%	0.048%
248	15.030	15.020	15.047	VV	373	5369	0.07%	0.020%
249	15.065	15.047	15.114	VV	519	11506	0.15%	0.044%
250	15.187	15.114	15.206	VV	1034	25907	0.34%	0.099%
251	15.222	15.206	15.243	VV	1155	19023	0.25%	0.073%
252	15.269	15.243	15.316	VV	3233	48650	0.63%	0.186%
253	15.329	15.316	15.368	VV	297	5288	0.07%	0.020%
254	15.392	15.368	15.440	VV	499	11849	0.15%	0.045%
255	15.443	15.440	15.502	VV	201	3221	0.04%	0.012%
256	15.527	15.502	15.565	VV	269	5207	0.07%	0.020%
257	15.601	15.565	15.680	VV	17054	292703	3.81%	1.116%
258	15.699	15.680	15.730	VV	978	22564	0.29%	0.086%
259	15.762	15.730	15.788	VV	1904	35516	0.46%	0.135%
260	15.800	15.788	15.836	VV	541	8881	0.12%	0.034%
261	15.872	15.836	15.893	VV	372	7980	0.10%	0.030%
262	15.904	15.893	15.932	VV	217	3819	0.05%	0.015%
263	15.958	15.932	15.999	VV	552	10942	0.14%	0.042%
264	16.066	15.999	16.082	VV	318	9069	0.12%	0.035%
265	16.125	16.082	16.157	VV	615	16760	0.22%	0.064%
266	16.167	16.157	16.190	VV	346	5631	0.07%	0.021%
267	16.207	16.190	16.225	VV	632	8706	0.11%	0.033%
268	16.246	16.225	16.276	VV	913	14563	0.19%	0.056%
269	16.308	16.276	16.361	VV	1461	26037	0.34%	0.099%
270	16.387	16.361	16.406	VV	252	4672	0.06%	0.018%
271	16.429	16.406	16.454	VV	214	3669	0.05%	0.014%
272	16.554	16.513	16.564	VV	162	2484	0.03%	0.009%
273	16.617	16.564	16.689	VV	3583	77127	1.00%	0.294%
274	16.730	16.689	16.760	VV	789	25235	0.33%	0.096%
275	16.810	16.760	16.850	VV	1063	28256	0.37%	0.108%
276	16.876	16.850	16.997	VV	657	32017	0.42%	0.122%
277	17.012	16.997	17.049	VV	283	5882	0.08%	0.022%
278	17.096	17.049	17.119	VV	611	16923	0.22%	0.065%
279	17.162	17.119	17.173	VV	715	17953	0.23%	0.068%
280	17.194	17.173	17.220	VV	1379	25117	0.33%	0.096%
281	17.245	17.220	17.260	VV	1342	22593	0.29%	0.086%
282	17.275	17.260	17.372	VV	1162	24715	0.32%	0.094%
283	17.382	17.372	17.405	VV	149	1546	0.02%	0.006%
284	17.432	17.405	17.459	VV	154	2264	0.03%	0.009%
285	17.482	17.459	17.499	PV	135	1992	0.03%	0.008%
286	17.562	17.499	17.617	VV	1894	52502	0.68%	0.200%
287	17.645	17.617	17.702	VV	2033	38739	0.50%	0.148%
288	17.737	17.702	17.791	VV	653	16970	0.22%	0.065%
289	17.826	17.791	17.845	VV	224	5090	0.07%	0.019%
290	17.873	17.845	17.908	VV	427	8302	0.11%	0.032%
291	17.940	17.908	17.985	VV	259	5685	0.07%	0.022%
292	18.015	17.985	18.034	PV	415	7548	0.10%	0.029%
293	18.084	18.034	18.125	VV	1944	37471	0.49%	0.143%
294	18.175	18.125	18.222	VV	3027	46274	0.60%	0.176%
295	18.252	18.222	18.279	VV	261	4710	0.06%	0.018%
296	18.311	18.279	18.333	VV	362	7236	0.09%	0.028%
297	18.362	18.333	18.389	VV	417	8538	0.11%	0.033%
298	18.441	18.389	18.489	VV	9310	179281	2.33%	0.684%
299	18.511	18.489	18.546	VV	3186	64330	0.84%	0.245%

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300	18.566	18.546	18.582	VV	841	15831	0.21%	0.060%
301	18.604	18.582	18.620	VV	803	16106	0.21%	0.061%
302	18.633	18.620	18.693	VV	825	13611	0.18%	0.052%
303	18.721	18.693	18.732	PV	114	1273	0.02%	0.005%
304	18.764	18.732	18.790	PV	213	3994	0.05%	0.015%

Sum of corrected areas: 26220323

Aromatic EPH 011425.M Wed Jan 29 02:06:45 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015195.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 21:34
Operator : YP\AJ
Sample : Q1194-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
B-113-SB02

Integration File: autoint1.e
Quant Time: Jan 29 02:38:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.385	4656324	38.241 ug/ml
Spiked Amount 50.000		Recovery = 76.48%	
Target Compounds			

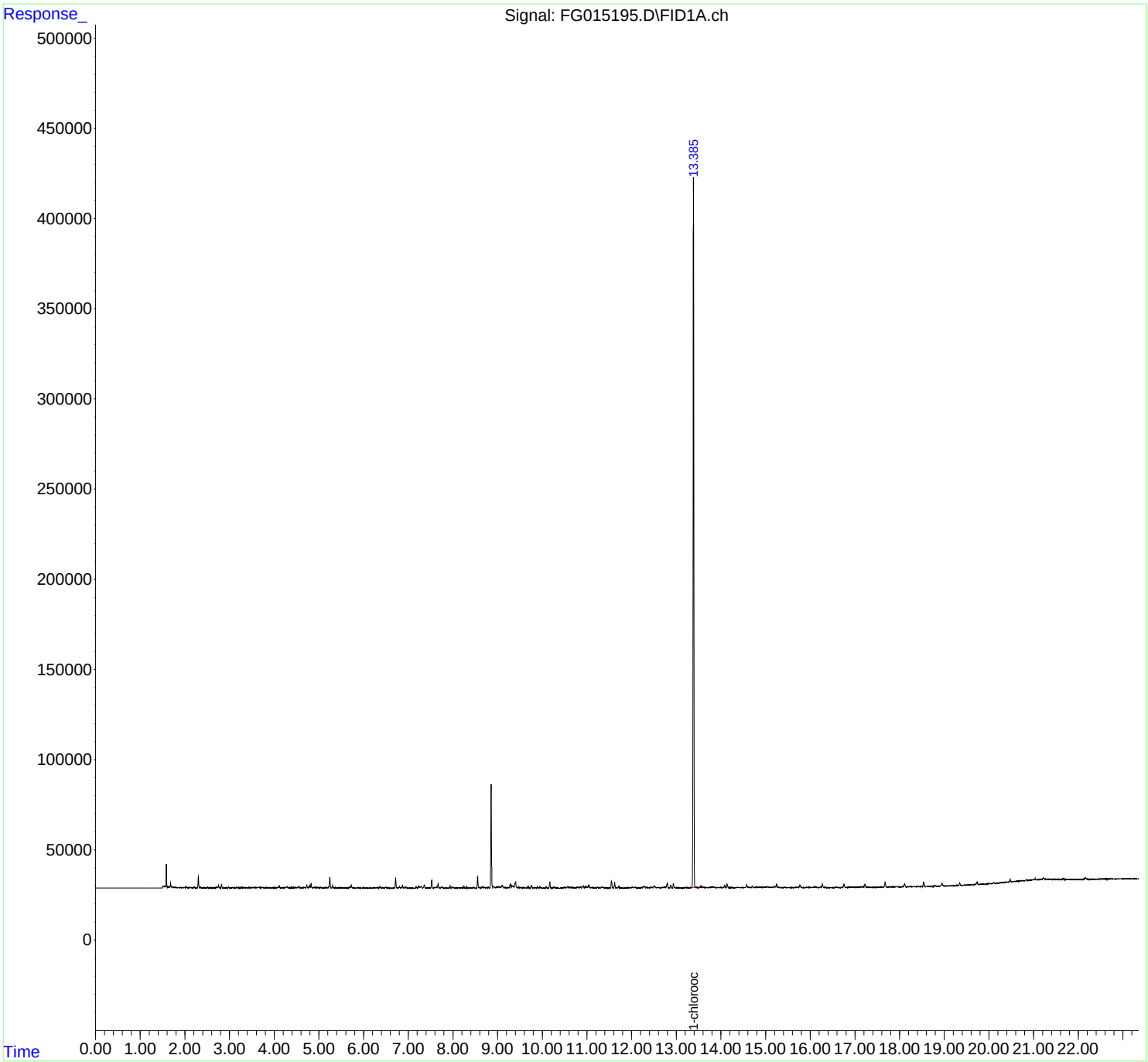
(f)=RT Delta > 1/2 Window (m)=manual int.

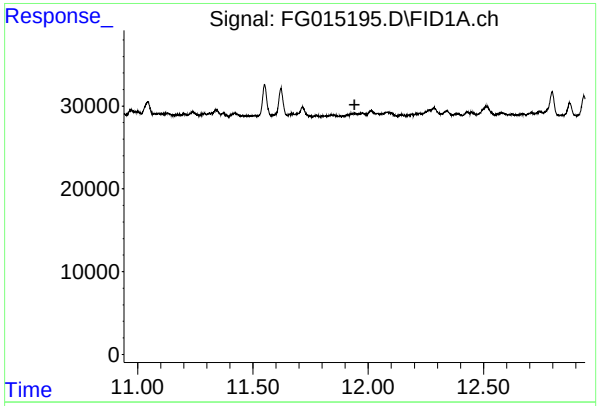
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015195.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 21:34
Operator : YP\AJ
Sample : Q1194-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
B-113-SB02

Integration File: autoint1.e
Quant Time: Jan 29 02:38:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

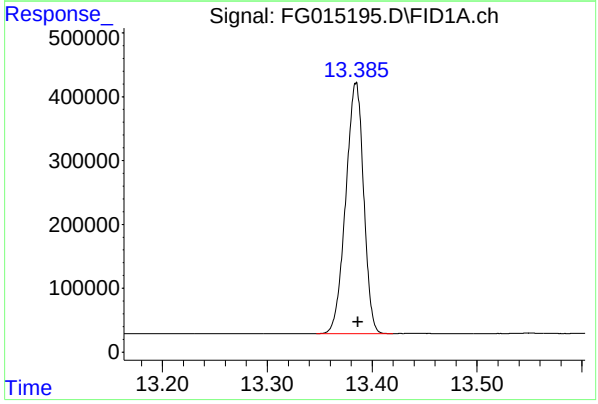




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.940 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
B-113-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 13.385 min
Delta R.T.: -0.002 min
Response: 4656324
Conc: 38.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015195.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 21:34
Sample : Q1194-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.283	3.221	3.318	BV	420	6471	0.14%	0.066%
2	3.348	3.318	3.463	PV	141	6550	0.14%	0.067%
3	3.473	3.463	3.482	VV	109	1082	0.02%	0.011%
4	3.505	3.482	3.514	VV	146	2178	0.05%	0.022%
5	3.525	3.514	3.598	VV	207	6755	0.14%	0.069%
6	3.617	3.598	3.652	VV	224	5746	0.12%	0.059%
7	3.673	3.652	3.708	VV	412	6260	0.13%	0.064%
8	3.731	3.708	3.777	VV	264	5620	0.12%	0.057%
9	3.789	3.777	3.805	VV	85	1120	0.02%	0.011%
10	3.828	3.805	3.845	VV	132	1597	0.03%	0.016%
11	3.868	3.845	3.908	VV	126	2852	0.06%	0.029%
12	3.914	3.908	3.946	VV	123	1675	0.04%	0.017%
13	3.958	3.946	3.985	VV	132	1741	0.04%	0.018%
14	3.988	3.985	3.998	VV	182	753	0.02%	0.008%
15	4.005	3.998	4.026	VV	87	1148	0.02%	0.012%
16	4.078	4.026	4.094	PV	505	6933	0.15%	0.071%
17	4.113	4.094	4.144	VV	1257	14046	0.30%	0.143%
18	4.155	4.144	4.161	VV	118	782	0.02%	0.008%
19	4.191	4.161	4.235	VV	201	5654	0.12%	0.058%
20	4.284	4.235	4.310	VV	974	16546	0.35%	0.169%
21	4.330	4.310	4.395	VV	196	5956	0.13%	0.061%
22	4.445	4.395	4.514	VV	187	10448	0.22%	0.106%
23	4.541	4.514	4.608	VV	994	16744	0.36%	0.171%
24	4.621	4.608	4.645	VV	205	2831	0.06%	0.029%
25	4.669	4.645	4.695	VV	480	7139	0.15%	0.073%
26	4.730	4.695	4.751	VV	1671	20324	0.43%	0.207%
27	4.763	4.751	4.773	VV	247	2765	0.06%	0.028%
28	4.793	4.773	4.809	VV	1259	13788	0.30%	0.140%
29	4.826	4.809	4.851	VV	2333	25001	0.53%	0.255%
30	4.929	4.851	4.938	VV	231	9529	0.20%	0.097%
31	4.957	4.938	4.991	VV	430	7741	0.17%	0.079%
32	5.001	4.991	5.021	VV	216	3169	0.07%	0.032%
33	5.037	5.021	5.078	VV	188	4898	0.10%	0.050%
34	5.086	5.078	5.135	VV	129	3278	0.07%	0.033%
35	5.158	5.135	5.188	VV	366	6560	0.14%	0.067%
36	5.245	5.188	5.278	VV	5985	78727	1.68%	0.802%

Page 1

rteres

37	5.308	5.278	5.344	VV	1099	14290	0.31%	0.146%
38	5.364	5.344	5.401	VV	175	3546	0.08%	0.036%
39	5.425	5.401	5.438	VV	145	2150	0.05%	0.022%
40	5.454	5.438	5.476	VV	294	3985	0.09%	0.041%
41	5.496	5.476	5.524	VV	255	3715	0.08%	0.038%
42	5.554	5.524	5.568	VV	165	3012	0.06%	0.031%
43	5.573	5.568	5.630	VV	158	3646	0.08%	0.037%
44	5.647	5.630	5.663	VV	251	3001	0.06%	0.031%
45	5.683	5.663	5.708	VV	584	8714	0.19%	0.089%
46	5.728	5.708	5.752	VV	1730	19713	0.42%	0.201%
47	5.788	5.752	5.814	VV	447	6297	0.13%	0.064%
48	5.825	5.814	5.831	VV	100	666	0.01%	0.007%
49	5.862	5.831	5.905	VV	247	6788	0.15%	0.069%
50	5.913	5.905	5.934	VV	90	1013	0.02%	0.010%
51	5.952	5.934	5.965	VV	75	1298	0.03%	0.013%
52	5.969	5.965	5.978	VV	133	785	0.02%	0.008%
53	5.996	5.978	6.035	VV	276	4431	0.09%	0.045%
54	6.055	6.035	6.099	VV	158	2853	0.06%	0.029%
55	6.165	6.099	6.191	VV	125	3711	0.08%	0.038%
56	6.257	6.191	6.300	VV	346	11114	0.24%	0.113%
57	6.321	6.300	6.341	VV	392	6372	0.14%	0.065%
58	6.364	6.341	6.410	VV	1003	13432	0.29%	0.137%
59	6.431	6.410	6.458	VV	278	4987	0.11%	0.051%
60	6.503	6.458	6.572	VV	503	15092	0.32%	0.154%
61	6.607	6.572	6.667	VV	120	4582	0.10%	0.047%
62	6.719	6.667	6.750	VV	5854	62818	1.34%	0.640%
63	6.764	6.750	6.779	VV	263	3191	0.07%	0.032%
64	6.806	6.779	6.826	VV	945	11725	0.25%	0.119%
65	6.843	6.826	6.856	VV	509	5460	0.12%	0.056%
66	6.874	6.856	6.894	VV	1570	16791	0.36%	0.171%
67	6.908	6.894	6.929	VV	501	5476	0.12%	0.056%
68	6.949	6.929	6.971	VV	833	8618	0.18%	0.088%
69	6.984	6.971	7.030	VV	57	1290	0.03%	0.013%
70	7.041	7.030	7.058	VV	110	1170	0.03%	0.012%
71	7.063	7.058	7.078	VV	105	750	0.02%	0.008%
72	7.098	7.078	7.118	VV	210	2586	0.06%	0.026%
73	7.126	7.118	7.147	VV	100	1046	0.02%	0.011%
74	7.177	7.147	7.211	PV	1031	12005	0.26%	0.122%
75	7.231	7.211	7.265	VV	1104	19267	0.41%	0.196%
76	7.283	7.265	7.328	VV	1042	21069	0.45%	0.215%
77	7.361	7.328	7.387	VV	1778	26243	0.56%	0.267%
78	7.401	7.387	7.421	VV	216	2710	0.06%	0.028%
79	7.468	7.421	7.498	VV	324	8741	0.19%	0.089%
80	7.527	7.498	7.559	VV	4366	48782	1.04%	0.497%
81	7.588	7.559	7.620	VV	493	10926	0.23%	0.111%
82	7.636	7.620	7.649	VV	678	7653	0.16%	0.078%
83	7.670	7.649	7.693	VV	2556	30341	0.65%	0.309%
84	7.708	7.693	7.721	VV	288	4145	0.09%	0.042%
85	7.736	7.721	7.749	VV	584	7443	0.16%	0.076%
86	7.763	7.749	7.811	VV	801	10805	0.23%	0.110%
87	7.832	7.811	7.867	VV	230	4468	0.10%	0.046%
88	7.882	7.867	7.912	VV	151	2755	0.06%	0.028%
89	7.937	7.912	7.965	VV	1504	17052	0.36%	0.174%

rteres

90	7.985	7.965	8.008	VV	1120	14145	0.30%	0.144%
91	8.021	8.008	8.063	VV	342	6897	0.15%	0.070%
92	8.103	8.063	8.117	VV	305	6405	0.14%	0.065%
93	8.135	8.117	8.151	VV	321	5062	0.11%	0.052%
94	8.159	8.151	8.178	VV	283	2944	0.06%	0.030%
95	8.201	8.178	8.225	VV	455	5428	0.12%	0.055%
96	8.247	8.225	8.273	VV	1445	16681	0.36%	0.170%
97	8.304	8.273	8.328	VV	1131	13594	0.29%	0.138%
98	8.344	8.328	8.360	VV	289	4212	0.09%	0.043%
99	8.374	8.360	8.389	VV	292	3290	0.07%	0.034%
100	8.406	8.389	8.431	VV	216	3270	0.07%	0.033%
101	8.461	8.431	8.482	VV	656	7974	0.17%	0.081%
102	8.500	8.482	8.527	VV	177	3635	0.08%	0.037%
103	8.555	8.527	8.630	VV	6605	79794	1.71%	0.813%
104	8.655	8.630	8.688	VV	786	17242	0.37%	0.176%
105	8.707	8.688	8.735	VV	661	10221	0.22%	0.104%
106	8.751	8.735	8.773	VV	630	7948	0.17%	0.081%
107	8.793	8.773	8.825	VV	822	9537	0.20%	0.097%
108	8.857	8.825	8.931	PV	57276	617318	13.21%	6.287%
109	8.939	8.931	8.955	VV	397	5790	0.12%	0.059%
110	8.975	8.955	8.994	VV	582	12003	0.26%	0.122%
111	9.021	8.994	9.037	VV	931	17573	0.38%	0.179%
112	9.051	9.037	9.065	VV	906	11227	0.24%	0.114%
113	9.102	9.065	9.142	VV	1620	40086	0.86%	0.408%
114	9.165	9.142	9.188	VV	624	10243	0.22%	0.104%
115	9.217	9.188	9.241	VV	628	9730	0.21%	0.099%
116	9.285	9.241	9.304	VV	2684	38170	0.82%	0.389%
117	9.323	9.304	9.367	VV	1654	39851	0.85%	0.406%
118	9.402	9.367	9.454	VV	3518	80376	1.72%	0.819%
119	9.475	9.454	9.500	VV	978	13301	0.28%	0.135%
120	9.524	9.500	9.556	VV	628	9852	0.21%	0.100%
121	9.576	9.556	9.598	VV	266	5407	0.12%	0.055%
122	9.608	9.598	9.654	VV	401	9081	0.19%	0.092%
123	9.691	9.654	9.732	VV	810	19700	0.42%	0.201%
124	9.756	9.732	9.795	VV	1612	26179	0.56%	0.267%
125	9.810	9.795	9.831	VV	409	6323	0.14%	0.064%
126	9.851	9.831	9.875	VV	443	7023	0.15%	0.072%
127	9.895	9.875	9.925	VV	947	13449	0.29%	0.137%
128	9.949	9.925	9.995	VV	1086	15919	0.34%	0.162%
129	10.005	9.995	10.025	VV	156	2057	0.04%	0.021%
130	10.040	10.025	10.063	VV	255	2815	0.06%	0.029%
131	10.090	10.063	10.122	VV	960	12926	0.28%	0.132%
132	10.131	10.122	10.139	VV	179	1473	0.03%	0.015%
133	10.171	10.139	10.218	VV	3636	44520	0.95%	0.453%
134	10.244	10.218	10.308	VV	576	19358	0.41%	0.197%
135	10.321	10.308	10.333	VV	269	3456	0.07%	0.035%
136	10.343	10.333	10.366	VV	282	3194	0.07%	0.033%
137	10.375	10.366	10.401	VV	95	892	0.02%	0.009%
138	10.453	10.401	10.468	PV	404	7182	0.15%	0.073%
139	10.494	10.468	10.511	VV	555	10264	0.22%	0.105%
140	10.520	10.511	10.532	VV	440	4122	0.09%	0.042%
141	10.566	10.532	10.584	VV	980	18682	0.40%	0.190%

rteres

142	10.605	10.584	10.627	VV	702	12392	0.27%	0.126%
143	10.653	10.627	10.673	VV	583	11742	0.25%	0.120%
144	10.693	10.673	10.751	VV	370	11895	0.25%	0.121%
145	10.777	10.751	10.791	VV	647	10278	0.22%	0.105%
146	10.802	10.791	10.831	VV	509	9830	0.21%	0.100%
147	10.857	10.831	10.878	VV	805	17033	0.36%	0.173%
148	10.913	10.878	10.950	VV	1341	31324	0.67%	0.319%
149	10.971	10.950	11.018	VV	839	23602	0.51%	0.240%
150	11.044	11.018	11.081	VV	1813	34160	0.73%	0.348%
151	11.091	11.081	11.098	VV	396	3750	0.08%	0.038%
152	11.106	11.098	11.112	VV	406	2943	0.06%	0.030%
153	11.129	11.112	11.155	VV	457	8970	0.19%	0.091%
154	11.171	11.155	11.188	VV	268	4566	0.10%	0.046%
155	11.200	11.188	11.218	VV	368	4887	0.10%	0.050%
156	11.239	11.218	11.268	VV	578	11142	0.24%	0.113%
157	11.288	11.268	11.299	VV	375	5738	0.12%	0.058%
158	11.341	11.299	11.361	VV	827	18893	0.40%	0.192%
159	11.371	11.361	11.398	VV	427	5262	0.11%	0.054%
160	11.422	11.398	11.464	VV	419	8776	0.19%	0.089%
161	11.475	11.464	11.488	VV	142	1440	0.03%	0.015%
162	11.509	11.488	11.518	VV	157	1928	0.04%	0.020%
163	11.551	11.518	11.581	VV	3869	51446	1.10%	0.524%
164	11.621	11.581	11.651	VV	3395	47919	1.03%	0.488%
165	11.669	11.651	11.682	VV	395	5374	0.11%	0.055%
166	11.715	11.682	11.761	VV	1167	20396	0.44%	0.208%
167	11.775	11.761	11.795	VV	171	1597	0.03%	0.016%
168	11.840	11.795	11.885	VV	175	4951	0.11%	0.050%
169	11.945	11.885	11.955	PV	419	9817	0.21%	0.100%
170	11.975	11.955	11.993	VV	431	8362	0.18%	0.085%
171	12.013	11.993	12.054	VV	752	16297	0.35%	0.166%
172	12.085	12.054	12.125	VV	549	15237	0.33%	0.155%
173	12.143	12.125	12.163	VV	241	3356	0.07%	0.034%
174	12.221	12.163	12.235	VV	426	10931	0.23%	0.111%
175	12.285	12.235	12.317	VV	1029	31841	0.68%	0.324%
176	12.341	12.317	12.363	VV	688	12499	0.27%	0.127%
177	12.387	12.363	12.411	VV	346	7115	0.15%	0.072%
178	12.430	12.411	12.470	VV	529	13992	0.30%	0.143%
179	12.512	12.470	12.550	VV	1272	31557	0.68%	0.321%
180	12.576	12.550	12.618	VV	465	12657	0.27%	0.129%
181	12.624	12.618	12.650	VV	264	3934	0.08%	0.040%
182	12.670	12.650	12.684	VV	324	5264	0.11%	0.054%
183	12.707	12.684	12.723	VV	454	8482	0.18%	0.086%
184	12.745	12.723	12.758	VV	621	10359	0.22%	0.106%
185	12.797	12.758	12.843	VV	2967	49586	1.06%	0.505%
186	12.874	12.843	12.905	VV	1590	22865	0.49%	0.233%
187	12.935	12.905	12.985	VV	2471	35665	0.76%	0.363%
188	13.007	12.985	13.039	VV	280	6429	0.14%	0.065%
189	13.053	13.039	13.164	VV	311	8109	0.17%	0.083%
190	13.220	13.164	13.248	PV	314	10258	0.22%	0.104%
191	13.262	13.248	13.280	VV	274	3511	0.08%	0.036%
192	13.311	13.280	13.325	VV	313	6192	0.13%	0.063%
193	13.384	13.325	13.420	VV	394888	4673300	100.00%	47.596%
194	13.441	13.420	13.505	VV	576	18088	0.39%	0.184%

rteres

195	13.550	13.505	13.583	VV	948	24997	0.53%	0.255%
196	13.604	13.583	13.645	VV	715	16695	0.36%	0.170%
197	13.670	13.645	13.698	VV	377	9610	0.21%	0.098%
198	13.761	13.698	13.795	VV	587	22717	0.49%	0.231%
199	13.829	13.795	13.868	VV	737	23226	0.50%	0.237%
200	13.894	13.868	13.911	VV	336	6842	0.15%	0.070%
201	13.932	13.911	13.965	VV	357	9209	0.20%	0.094%
202	13.990	13.965	14.031	VV	444	13780	0.29%	0.140%
203	14.087	14.031	14.111	VV	1642	30384	0.65%	0.309%
204	14.139	14.111	14.195	VV	2121	34445	0.74%	0.351%
205	14.197	14.195	14.226	VV	245	3346	0.07%	0.034%
206	14.279	14.226	14.311	VV	180	7753	0.17%	0.079%
207	14.357	14.311	14.421	VV	336	15600	0.33%	0.159%
208	14.436	14.421	14.451	VV	318	4769	0.10%	0.049%
209	14.471	14.451	14.514	VV	321	10244	0.22%	0.104%
210	14.527	14.514	14.538	VV	303	3782	0.08%	0.039%
211	14.576	14.538	14.618	VV	1858	35216	0.75%	0.359%
212	14.629	14.618	14.651	VV	413	7321	0.16%	0.075%
213	14.671	14.651	14.680	VV	398	6430	0.14%	0.065%
214	14.703	14.680	14.744	VV	1026	20457	0.44%	0.208%
215	14.768	14.744	14.781	VV	375	7508	0.16%	0.076%
216	14.801	14.781	14.821	VV	457	9992	0.21%	0.102%
217	14.853	14.821	14.891	VV	521	19615	0.42%	0.200%
218	14.899	14.891	14.928	VV	469	9053	0.19%	0.092%
219	14.959	14.928	14.979	VV	459	11598	0.25%	0.118%
220	15.022	14.979	15.040	VV	630	17792	0.38%	0.181%
221	15.054	15.040	15.088	VV	529	11603	0.25%	0.118%
222	15.099	15.088	15.117	VV	305	4859	0.10%	0.049%
223	15.202	15.117	15.222	VV	1161	28355	0.61%	0.289%
224	15.245	15.222	15.274	VV	2055	32033	0.69%	0.326%
225	15.287	15.274	15.341	VV	392	10221	0.22%	0.104%
226	15.366	15.341	15.393	VV	186	3505	0.08%	0.036%
227	15.418	15.393	15.508	VV	499	15215	0.33%	0.155%
228	15.515	15.508	15.598	VV	195	7080	0.15%	0.072%
229	15.674	15.598	15.717	VV	328	12545	0.27%	0.128%
230	15.769	15.717	15.803	VV	1599	28754	0.62%	0.293%
231	15.813	15.803	15.841	VV	209	3894	0.08%	0.040%
232	15.902	15.841	15.928	VV	253	8733	0.19%	0.089%
233	15.964	15.928	16.022	VV	281	12384	0.26%	0.126%
234	16.086	16.022	16.102	VV	434	14149	0.30%	0.144%
235	16.127	16.102	16.202	VV	387	14613	0.31%	0.149%
236	16.231	16.202	16.248	VV	660	10223	0.22%	0.104%
237	16.270	16.248	16.318	VV	2047	31621	0.68%	0.322%
238	16.322	16.318	16.365	VV	242	3567	0.08%	0.036%
239	16.373	16.365	16.390	VV	79	808	0.02%	0.008%
240	16.417	16.390	16.431	PV	115	1796	0.04%	0.018%
241	16.449	16.431	16.465	VV	148	2160	0.05%	0.022%
242	16.473	16.465	16.533	VV	138	2066	0.04%	0.021%
243	16.585	16.533	16.678	VV	342	9747	0.21%	0.099%
244	16.718	16.678	16.731	VV	163	3543	0.08%	0.036%
245	16.755	16.731	16.784	VV	1915	26586	0.57%	0.271%
246	16.802	16.784	16.822	VV	219	3877	0.08%	0.039%

rteres

247	16.839	16.822	16.861	VV	156	3151	0.07%	0.032%
248	16.877	16.861	16.888	VV	146	2082	0.04%	0.021%
249	16.915	16.888	16.965	VV	258	9361	0.20%	0.095%
250	16.986	16.965	17.018	VV	222	5526	0.12%	0.056%
251	17.061	17.018	17.083	VV	290	7708	0.16%	0.079%
252	17.117	17.083	17.131	VV	330	7185	0.15%	0.073%
253	17.144	17.131	17.163	VV	312	4860	0.10%	0.049%
254	17.190	17.163	17.200	VV	599	8266	0.18%	0.084%
255	17.224	17.200	17.259	VV	1939	29241	0.63%	0.298%
256	17.270	17.259	17.295	VV	290	3664	0.08%	0.037%
257	17.338	17.295	17.418	VV	124	6289	0.13%	0.064%
258	17.431	17.418	17.460	VV	107	1382	0.03%	0.014%
259	17.515	17.460	17.540	PV	145	3502	0.07%	0.036%
260	17.557	17.540	17.573	VV	124	1829	0.04%	0.019%
261	17.589	17.573	17.620	VV	189	2539	0.05%	0.026%
262	17.675	17.620	17.738	VV	2814	42468	0.91%	0.433%
263	17.770	17.738	17.805	VV	177	4735	0.10%	0.048%
264	17.820	17.805	17.842	VV	152	2740	0.06%	0.028%
265	17.849	17.842	17.855	VV	134	781	0.02%	0.008%
266	17.957	17.855	18.008	VV	207	13138	0.28%	0.134%
267	18.029	18.008	18.038	VV	130	2013	0.04%	0.021%
268	18.112	18.038	18.149	VV	1959	37159	0.80%	0.378%
269	18.156	18.149	18.208	VV	147	3565	0.08%	0.036%
270	18.284	18.208	18.302	VV	203	8604	0.18%	0.088%
271	18.310	18.302	18.338	VV	85	1363	0.03%	0.014%
272	18.350	18.338	18.365	VV	69	751	0.02%	0.008%
273	18.432	18.365	18.465	PV	233	7385	0.16%	0.075%
274	18.538	18.465	18.582	VV	2581	41224	0.88%	0.420%
275	18.623	18.582	18.630	PV	102	1463	0.03%	0.015%
276	18.639	18.630	18.664	VV	129	1662	0.04%	0.017%
277	18.677	18.664	18.691	VV	90	1084	0.02%	0.011%
278	18.803	18.691	18.812	VV	240	8223	0.18%	0.084%
279	18.818	18.812	18.828	VV	216	1550	0.03%	0.016%
280	18.844	18.828	18.871	VV	174	2795	0.06%	0.028%
281	18.948	18.871	19.017	VV	1777	34838	0.75%	0.355%
282	19.029	19.017	19.047	VV	84	1281	0.03%	0.013%
283	19.106	19.047	19.135	PV	148	4973	0.11%	0.051%
284	19.151	19.135	19.165	VV	89	1175	0.03%	0.012%
285	19.183	19.165	19.195	VV	76	1070	0.02%	0.011%
286	19.214	19.195	19.228	VV	76	1100	0.02%	0.011%
287	19.261	19.228	19.278	PV	133	2100	0.04%	0.021%
288	19.302	19.278	19.321	VV	252	3841	0.08%	0.039%
289	19.347	19.321	19.405	VV	1328	21067	0.45%	0.215%
290	19.479	19.405	19.487	PV	108	2959	0.06%	0.030%
291	19.540	19.487	19.564	VV	189	5054	0.11%	0.051%
292	19.592	19.564	19.625	VV	165	3500	0.07%	0.036%
293	19.733	19.625	19.766	VV	1479	32125	0.69%	0.327%
294	19.781	19.766	19.799	VV	213	3317	0.07%	0.034%
295	19.938	19.799	19.953	VV	258	15337	0.33%	0.156%
296	19.988	19.953	20.004	VV	358	8214	0.18%	0.084%
297	20.027	20.004	20.056	VV	314	7852	0.17%	0.080%
298	20.109	20.056	20.141	VV	945	22388	0.48%	0.228%
299	20.225	20.141	20.244	VV	437	21855	0.47%	0.223%

rteres

300	20.295	20.244	20.315	VV	589	19970	0.43%	0.203%
301	20.381	20.315	20.405	VV	860	33918	0.73%	0.345%
302	20.414	20.405	20.423	VV	597	6460	0.14%	0.066%
303	20.475	20.423	20.505	VV	1962	51480	1.10%	0.524%
304	20.531	20.505	20.549	VV	866	21543	0.46%	0.219%
305	20.637	20.549	20.667	VV	1036	62248	1.33%	0.634%
306	20.739	20.667	20.772	VV	1146	66959	1.43%	0.682%
307	20.789	20.772	20.798	VV	1082	16506	0.35%	0.168%
308	20.835	20.798	20.873	VV	1545	55013	1.18%	0.560%
309	21.023	20.873	21.052	VV	1566	137227	2.94%	1.398%
310	21.141	21.052	21.153	VV	1285	77947	1.67%	0.794%
311	21.166	21.153	21.173	VV	1281	15042	0.32%	0.153%
312	21.225	21.173	21.275	VV	2198	94792	2.03%	0.965%
313	21.339	21.275	21.349	VV	1220	54138	1.16%	0.551%
314	21.360	21.349	21.428	VV	1225	53624	1.15%	0.546%
315	21.435	21.428	21.516	VV	1128	53577	1.15%	0.546%
316	21.552	21.516	21.627	VV	955	57322	1.23%	0.584%
317	21.659	21.627	21.711	VV	1013	41266	0.88%	0.420%
318	21.719	21.711	21.775	VV	669	23457	0.50%	0.239%
319	21.842	21.775	21.868	VV	572	29711	0.64%	0.303%
320	21.880	21.868	21.887	VV	519	5463	0.12%	0.056%
321	21.896	21.887	21.920	VV	468	8652	0.19%	0.088%
322	21.939	21.920	21.959	VV	459	9652	0.21%	0.098%
323	21.978	21.959	22.031	VV	431	15750	0.34%	0.160%
324	22.038	22.031	22.049	VV	374	3564	0.08%	0.036%
325	22.056	22.049	22.082	VV	337	6064	0.13%	0.062%
326	22.161	22.082	22.283	VV	967	44441	0.95%	0.453%
327	22.359	22.283	22.371	VV	130	6444	0.14%	0.066%
328	22.381	22.371	22.391	VV	116	1107	0.02%	0.011%
329	22.402	22.391	22.421	VV	86	1013	0.02%	0.010%

Sum of corrected areas: 9818682

Aliphatic EPH 011425.M Wed Jan 29 03:47:33 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012825AL\
Data File : FC068139.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 19:20
Operator : YP/AJ
Sample : Q1194-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EB

Integration File: autoint1.e
Quant Time: Jan 29 00:45:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.867	3706435	32.229 ug/ml
Spiked Amount 50.000		Recovery = 64.46%	
Target Compounds			

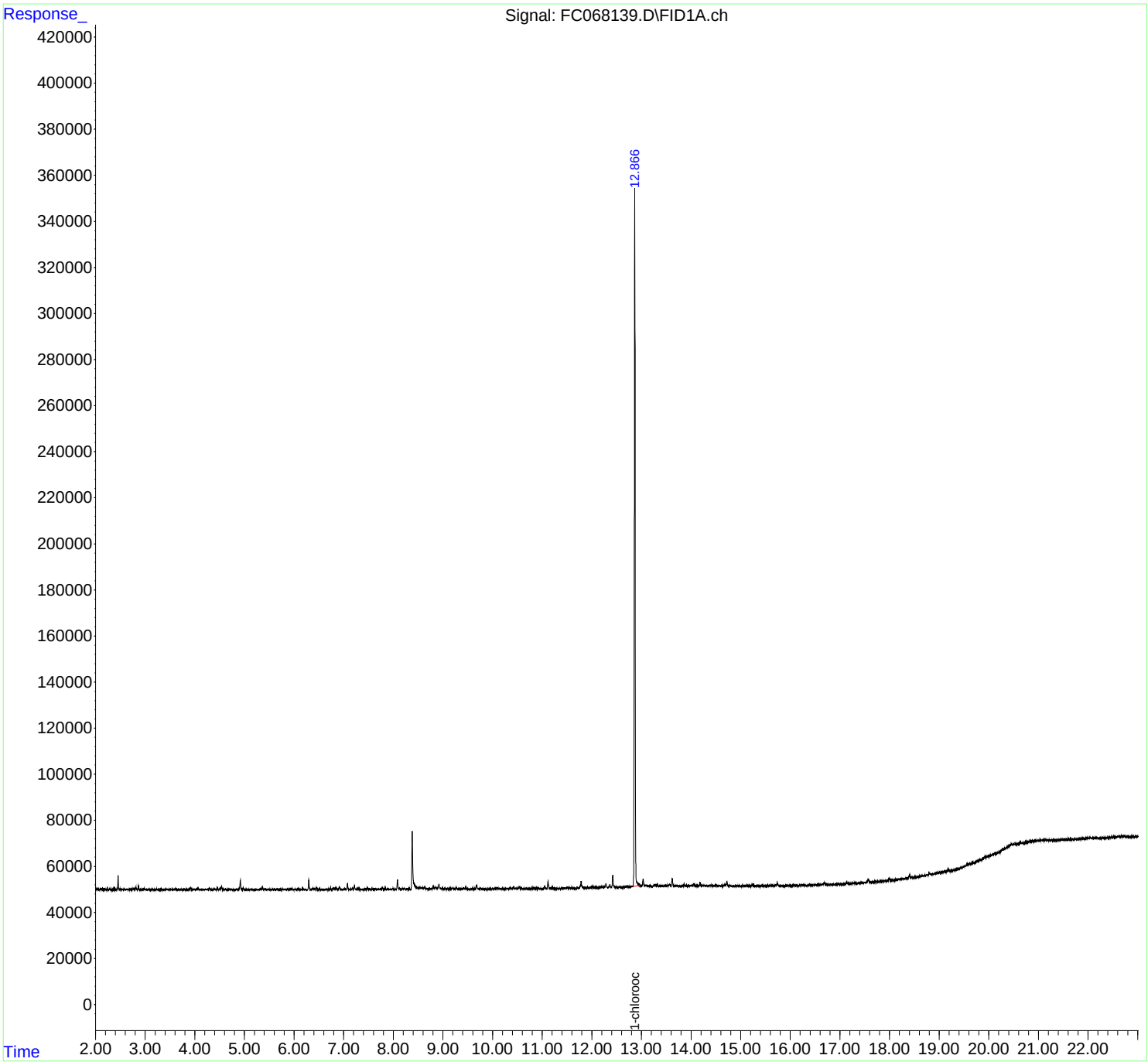
(f)=RT Delta > 1/2 Window (m)=manual int.

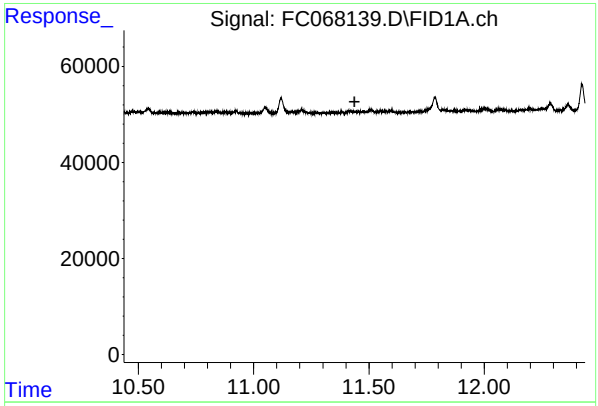
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012825AL\
Data File : FC068139.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 19:20
Operator : YP/AJ
Sample : Q1194-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EB

Integration File: autoint1.e
Quant Time: Jan 29 00:45:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

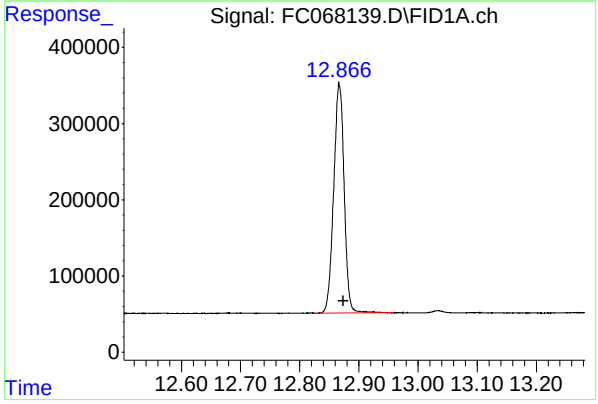




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.437 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
EB



#12 1-chlorooctadecane (SURR)

R.T.: 12.867 min
Delta R.T.: -0.007 min
Response: 3706435
Conc: 32.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012825AL\
Data File : FC068139.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 19:20
Sample : Q1194-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.382	8.341	8.468	BB	25039	340191	9.18%	8.407%
2	12.867	12.828	12.958	BB	299543	3706435	100.00%	91.593%
			Sum of corrected areas:			4046626		

Aliphatic EPH 012425.M Wed Jan 29 02:08:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
Data File : FD048973.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 19:20
Operator : YP/AJ
Sample : Q1194-08
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EB

Integration File: autoint1.e
Quant Time: Jan 29 02:12:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.357	7373549	51.809 ug/ml
Spiked Amount 50.000		Recovery = 103.62%	
6) S 2-Flurobiphenyl (SURR)	8.208	4290320	50.422 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 100.84%	
11) S ortho-Terphenyl (SURR)	11.243	7981634	48.535 ug/ml
Spiked Amount 50.000		Recovery = 97.07%	
Target Compounds			

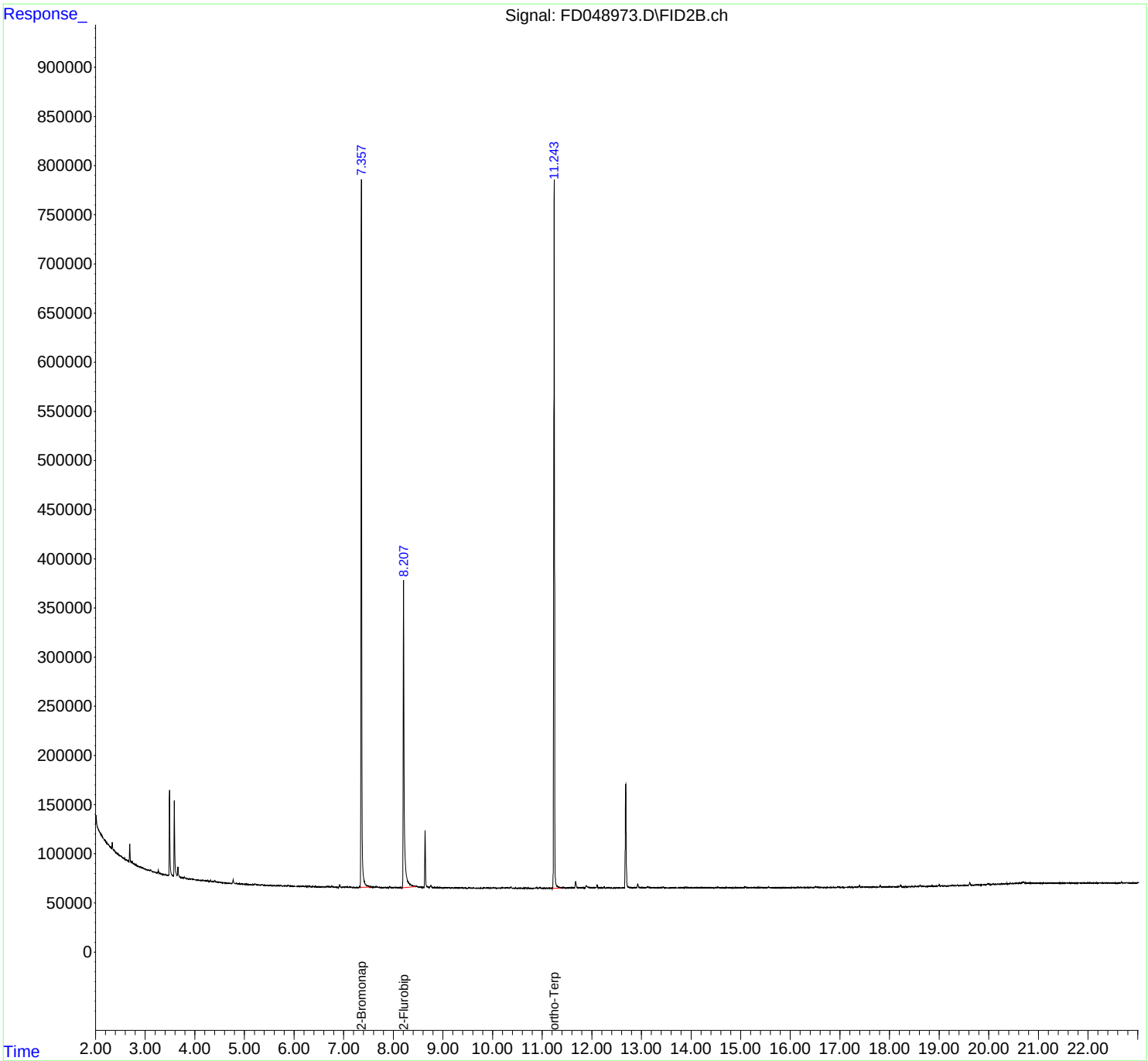
(f)=RT Delta > 1/2 Window (m)=manual int.

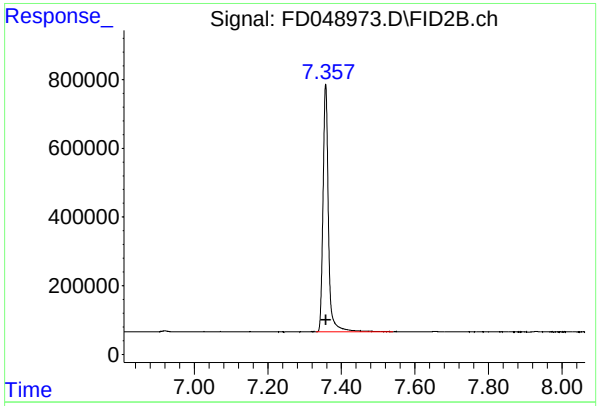
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
Data File : FD048973.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 19:20
Operator : YP/AJ
Sample : Q1194-08
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EB

Integration File: autoint1.e
Quant Time: Jan 29 02:12:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

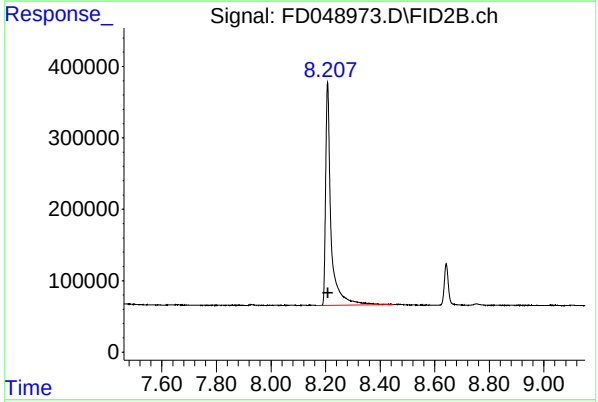




#4 2-Bromonaphthalene (SURR)

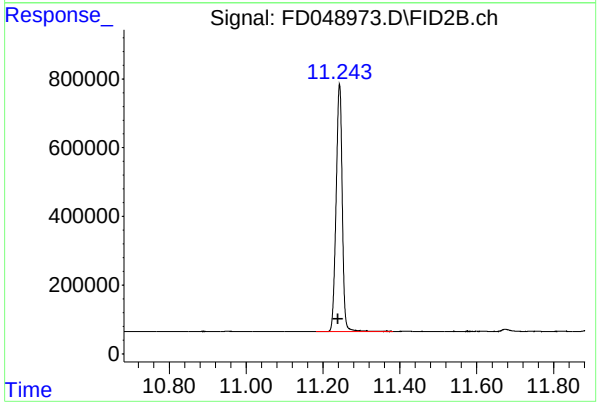
R.T.: 7.357 min
Delta R.T.: 0.000 min
Response: 7373549
Conc: 51.81 ug/ml

Instrument :
FID_D
ClientSampleId :
EB



#6 2-Flurobiphenyl (SURR)

R.T.: 8.208 min
Delta R.T.: -0.002 min
Response: 4290320
Conc: 50.42 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.243 min
Delta R.T.: 0.004 min
Response: 7981634
Conc: 48.53 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
Data File : FD048973.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 19:20
Sample : Q1194-08
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.490	3.435	3.572	BV	86891	805833	10.10%	3.438%
2	3.587	3.572	3.643	VV	77242	766677	9.61%	3.271%
3	3.660	3.643	3.745	VB	10451	127074	1.59%	0.542%
4	4.773	4.727	4.812	BV	3746	44341	0.56%	0.189%
5	7.357	7.331	7.540	VV	720844	7373549	92.38%	31.463%
6	8.208	8.165	8.447	BB	312760	4290320	53.75%	18.307%
7	8.642	8.585	8.724	BB	58092	598880	7.50%	2.555%
8	11.243	11.182	11.382	BB	719666	7981634	100.00%	34.058%
9	11.675	11.637	11.724	BV	6390	93533	1.17%	0.399%
10	12.684	12.610	12.784	BB	105844	1300752	16.30%	5.550%
11	12.925	12.875	12.960	BV	3822	53080	0.67%	0.226%

Sum of corrected areas: 23435673

Aromatic EPH 012425.M Wed Jan 29 02:49:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015326.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 15:52
Operator : YP\AJ
Sample : PB166218BL
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB166218BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
Quant Time: Jan 29 00:46:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.979	7299905	55.302 ug/ml
Spiked Amount 50.000		Recovery = 110.60%	
6) S 2-Flurobiphenyl (SURR)	8.852	4549221	53.895 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery = 107.79%	
11) S ortho-Terphenyl (SURR)	11.923	7094985	41.216 ug/ml
Spiked Amount 50.000		Recovery = 82.43%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

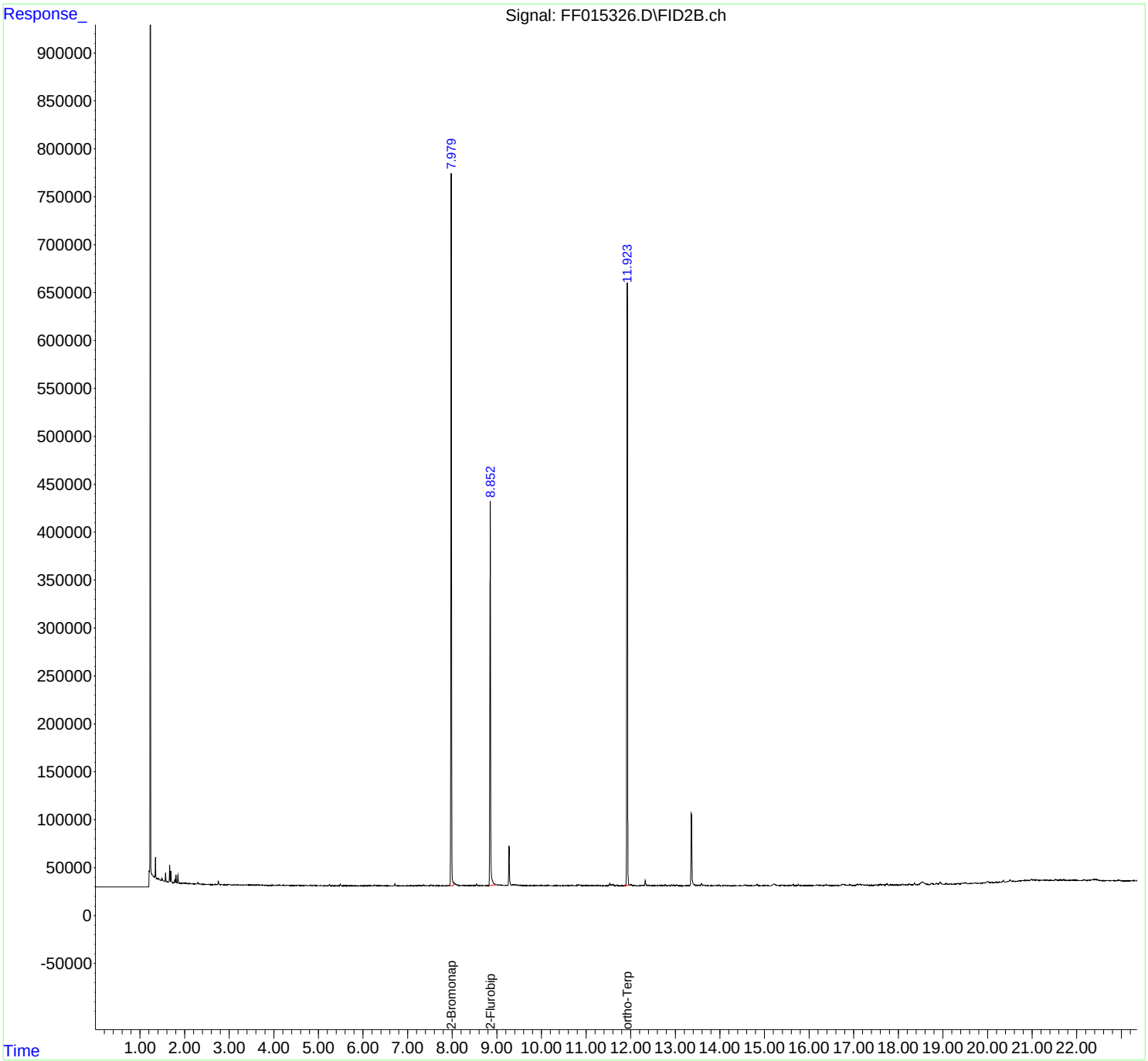
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015326.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 15:52
Operator : YP\AJ
Sample : PB166218BL
Misc :
ALS Vial : 63 Sample Multiplier: 1

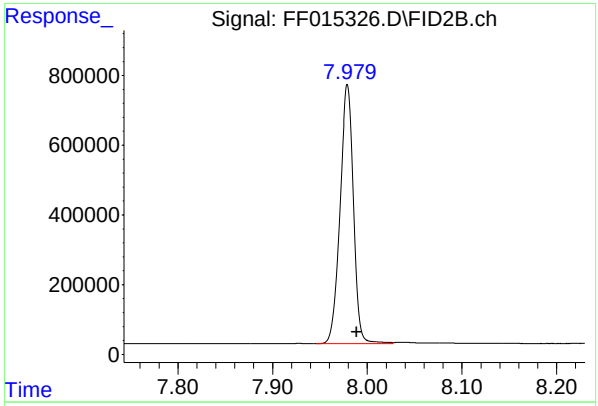
Integration File: autoint1.e
Quant Time: Jan 29 00:46:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
PB166218BL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025





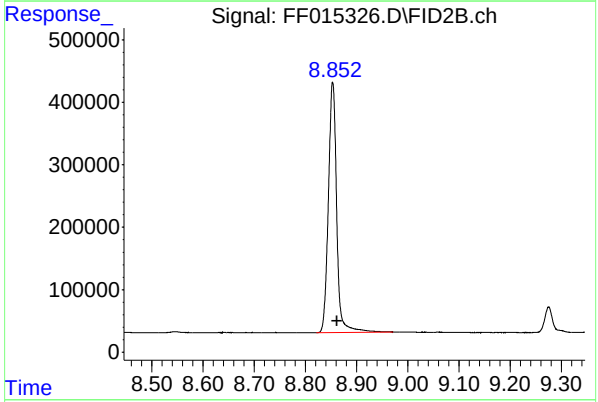
#4 2-Bromonaphthalene (SURR)

R.T.: 7.979 min
Delta R.T.: -0.010 min
Response: 7299905
Conc: 55.30 ug/ml

Instrument :
FID_F
ClientSampleId :
PB166218BL

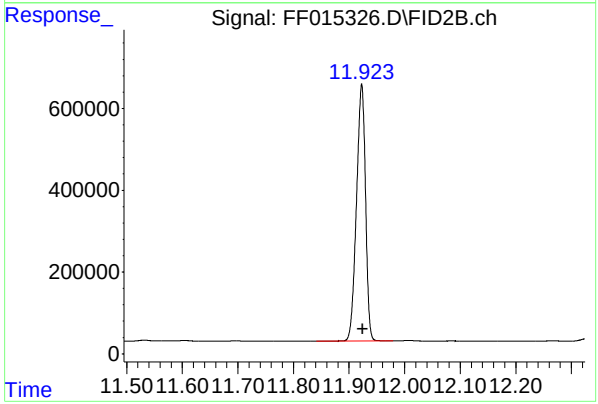
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.852 min
Delta R.T.: -0.009 min
Response: 4549221
Conc: 53.90 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.923 min
Delta R.T.: -0.002 min
Response: 7094985
Conc: 41.22 ug/ml

8

Instrument :
FID_F
ClientSampleId :
PB166218BL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF01282
Data File : FF015326.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 15:52
Sample : PB166218BL
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	7.979	7.946	8.027	PV	744026	7299905	100.00%	38.946%
2	8.853	8.831	9.024	BB	397372	4348903	59.57%	23.202%
3	11.923	11.841	11.979	BV	629337	7094985	97.19%	37.852%

Sum of corrected areas: 18743793

Aromatic EPH 011425.M Wed Jan 29 03:28:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015183.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 15:52
Operator : YP\AJ
Sample : PB166218BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB166218BL

Integration File: autoint1.e
Quant Time: Jan 29 02:34:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.387	4247483	34.883 ug/ml
Spiked Amount 50.000		Recovery = 69.77%	
Target Compounds			

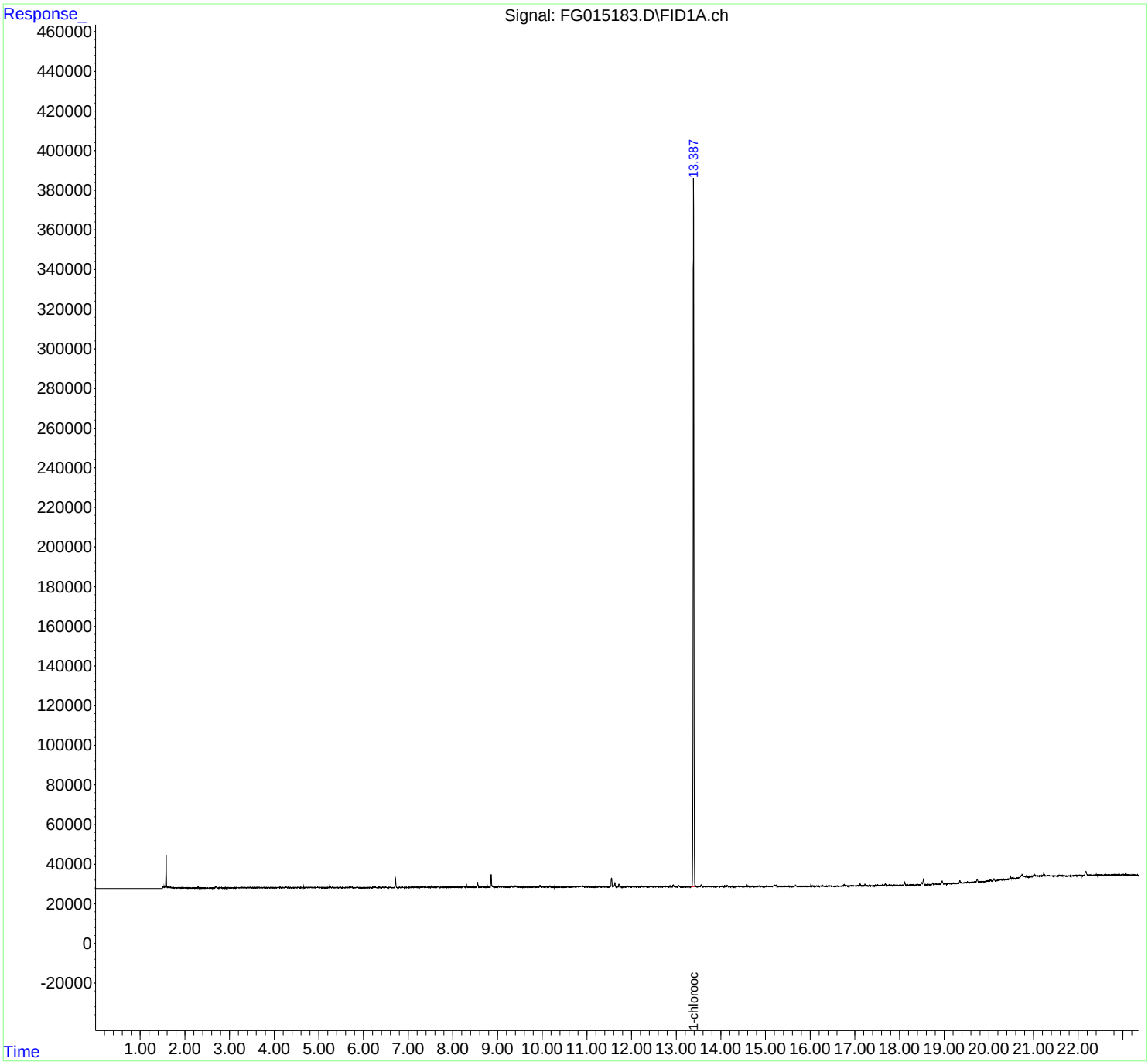
(f)=RT Delta > 1/2 Window (m)=manual int.

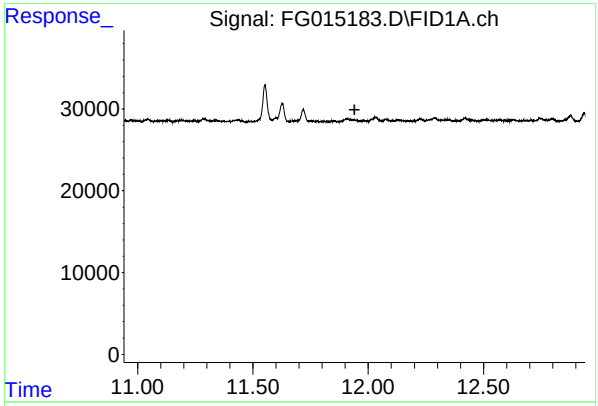
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015183.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 15:52
Operator : YP\AJ
Sample : PB166218BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB166218BL

Integration File: autoint1.e
Quant Time: Jan 29 02:34:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

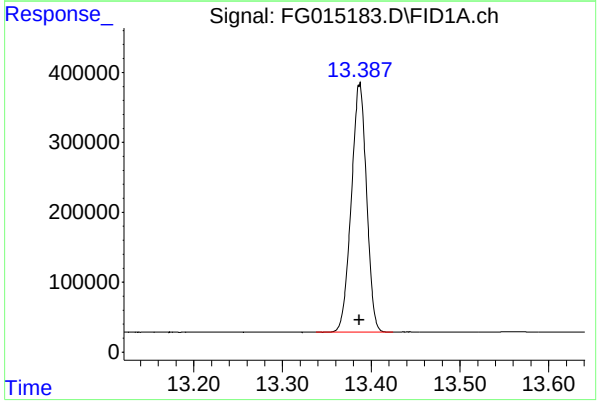




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.940 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
PB166218BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.387 min
Delta R.T.: 0.000 min
Response: 4247483
Conc: 34.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015183.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 15:52
Sample : PB166218BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	13.387	13.338	13.425	BB	353703	4247483	100.00%	100.000%
			Sum of corrected areas:			4247483		

Aliphatic EPH 011425.M Wed Jan 29 03:37:15 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012825AL\
Data File : FC068133.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 15:42
Operator : YP/AJ
Sample : PB166219BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166219BL

Integration File: autoint1.e
Quant Time: Jan 29 00:44:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.869	4180609	36.352 ug/ml
Spiked Amount 50.000		Recovery = 72.70%	
Target Compounds			

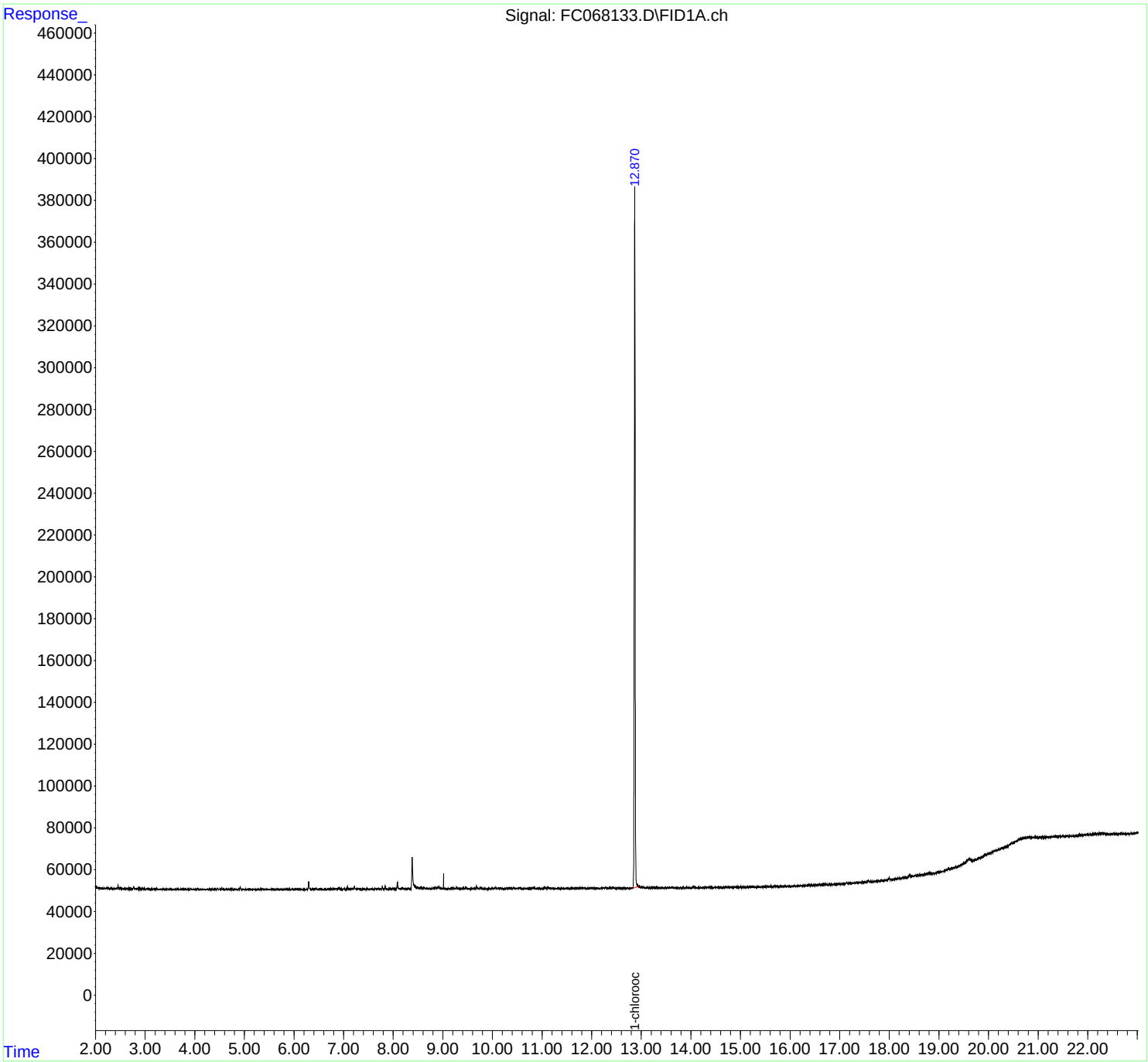
(f)=RT Delta > 1/2 Window (m)=manual int.

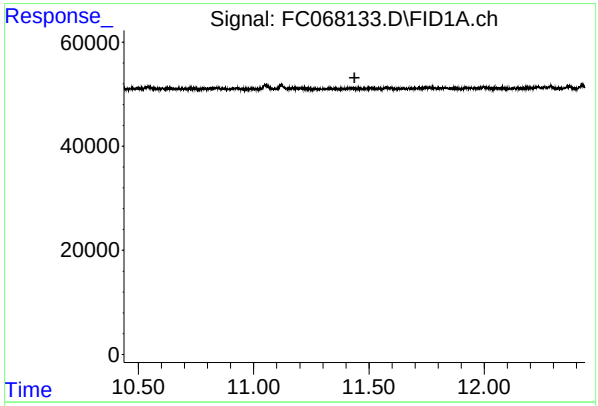
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012825AL\
Data File : FC068133.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 15:42
Operator : YP/AJ
Sample : PB166219BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166219BL

Integration File: autoint1.e
Quant Time: Jan 29 00:44:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

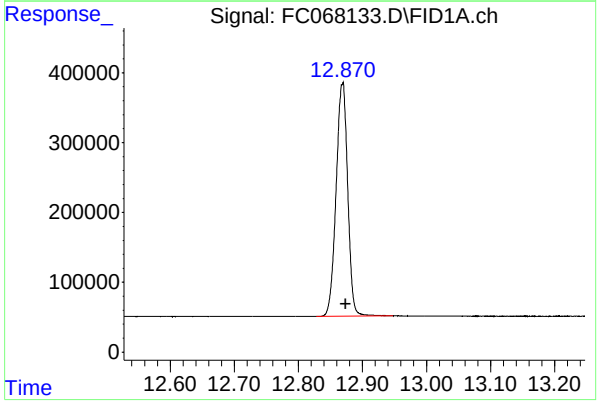




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.437 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB166219BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.869 min
Delta R.T.: -0.005 min
Response: 4180609
Conc: 36.35 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012825AL\
Data File : FC068133.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 15:42
Sample : PB166219BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	12.869	12.828	12.948	BB	333310	4180609	100.00%	100.000%
			Sum of corrected areas:			4180609		

Aliphatic EPH 012425.M Wed Jan 29 02:06:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
Data File : FD048967.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 15:42
Operator : YP/AJ
Sample : PB166219BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166219BL

Integration File: autoint1.e
Quant Time: Jan 29 02:11:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.357	7600058	53.400 ug/ml
Spiked Amount 50.000		Recovery = 106.80%	
6) S 2-Flurobiphenyl (SURR)	8.208	4575671	53.776 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 107.55%	
11) S ortho-Terphenyl (SURR)	11.243	7420730	45.124 ug/ml
Spiked Amount 50.000		Recovery = 90.25%	
Target Compounds			

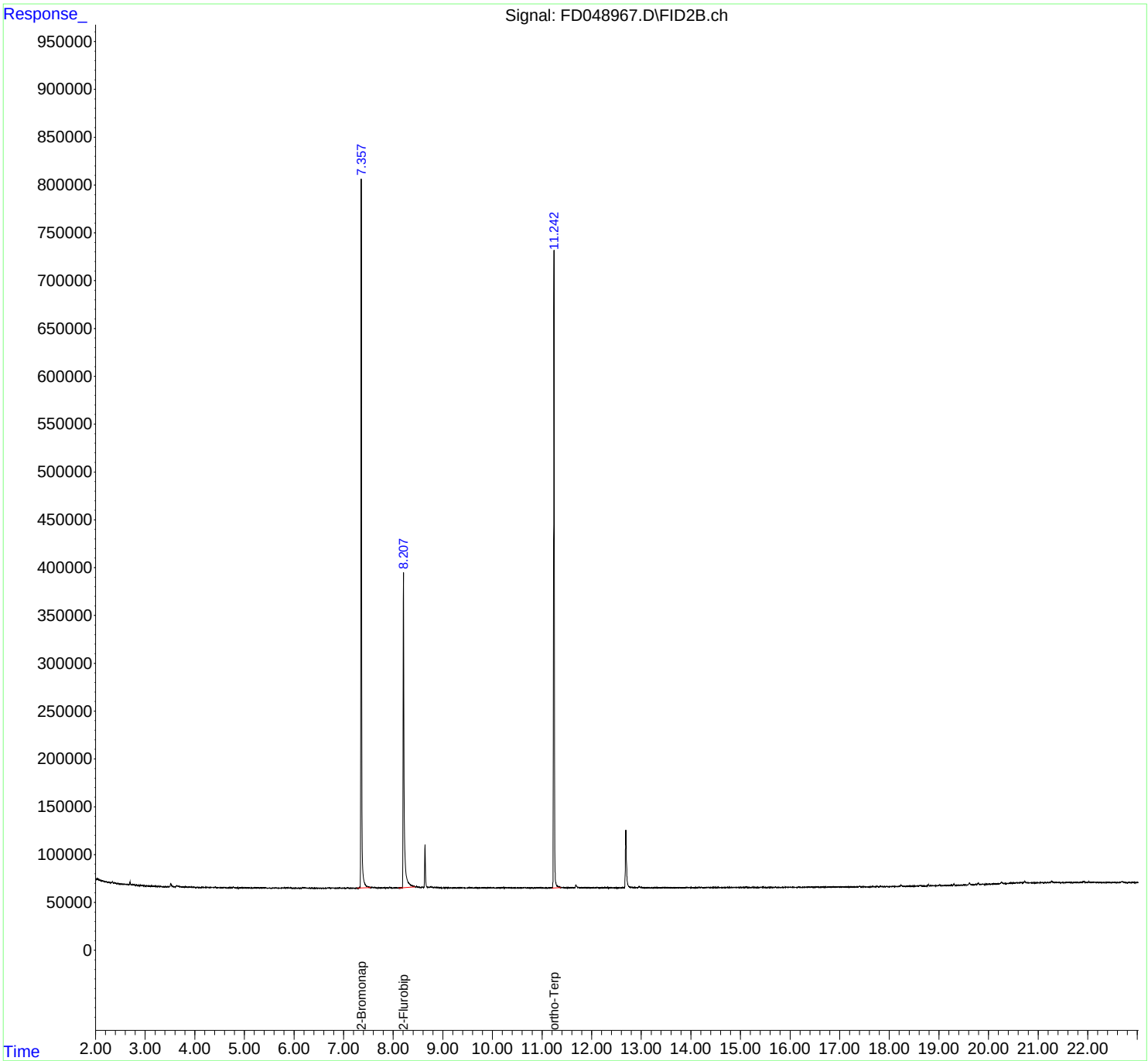
(f)=RT Delta > 1/2 Window (m)=manual int.

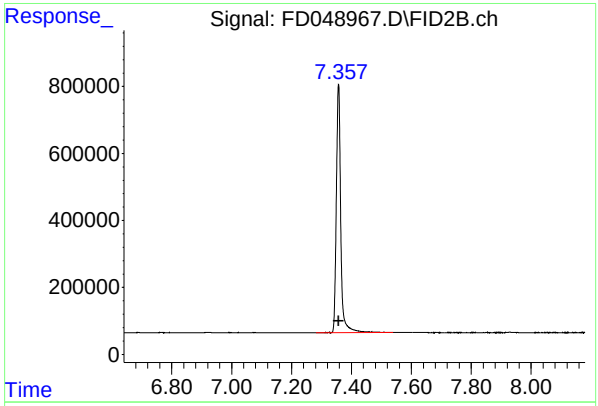
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
Data File : FD048967.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 15:42
Operator : YP/AJ
Sample : PB166219BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166219BL

Integration File: autoint1.e
Quant Time: Jan 29 02:11:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

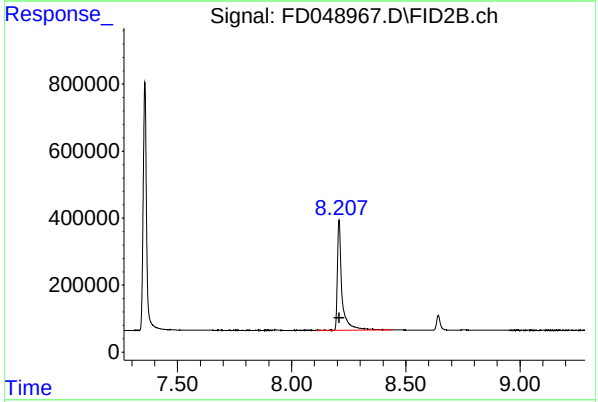




#4 2-Bromonaphthalene (SURR)

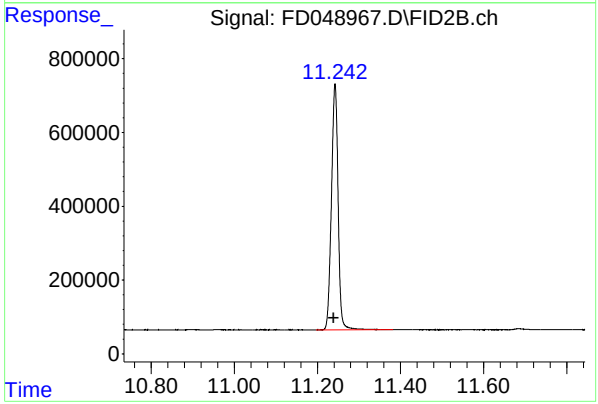
R.T.: 7.357 min
Delta R.T.: 0.000 min
Response: 7600058
Conc: 53.40 ug/ml

Instrument :
FID_D
ClientSampleId :
PB166219BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.208 min
Delta R.T.: -0.002 min
Response: 4575671
Conc: 53.78 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.243 min
Delta R.T.: 0.003 min
Response: 7420730
Conc: 45.12 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
Data File : FD048967.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 15:42
Sample : PB166219BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	7.357	7.282	7.539	BV	742293	7600058	100.00%	38.783%
2	8.208	8.107	8.444	BV	328833	4575671	60.21%	23.349%
3	11.243	11.197	11.382	BB	666759	7420730	97.64%	37.868%
			Sum of corrected areas:			19596459		

Aromatic EPH 012425.M Wed Jan 29 02:46:35 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015327.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 16:20
Operator : YP\AJ
Sample : PB166218BS
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jan 29 00:46:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
PB166218BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.990	8139073	61.659 ug/ml
	Spiked Amount 50.000		Recovery = 123.32%	
6)	S 2-Flurobiphenyl (SURR)	8.864	4588846	54.365 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 108.73%	
11)	S ortho-Terphenyl (SURR)	11.929	7969827	46.298 ug/ml
	Spiked Amount 50.000		Recovery = 92.60%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.601	6293947	39.238 ug/ml
2)	T Naphthalene (C11.7)	6.268	7646280	47.689 ug/ml
3)	T 2-Methylnaphthalene (...	7.364	7570916	47.611 ug/ml
5)	T Acenaphthylene (C15.06)	8.666	9013730	56.726 ug/ml
7)	T Acenaphthene (C15.5)	8.966	9409729	57.706 ug/ml
8)	T Flouorene (C16.55)	9.755	9729007	61.789 ug/ml
9)	T Phenanthrene (C19.36)	11.162	9681125	60.634 ug/ml
10)	T Anthracene (C19.43)	11.239	9657662	65.413 ug/ml
12)	T Fluoranthene (C21.85)	12.984	9770898	59.062 ug/ml
13)	T Pyrene (C20.8)	13.284	9659783	59.637 ug/ml
14)	T Benzo[a]anthracene (C...	15.165	8901226	59.668 ug/ml
15)	T Chrysene (C27.41)	15.212	9851376	63.423 ug/ml
16)	T benzo[b]fluoranthene ...	16.726	8756873	59.174 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.764	8792087	62.184 ug/mlm
18)	T Benzo[a]pyrene (C31.34)	17.108	8341702	58.711 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.484	8902052	70.647 ug/ml
20)	T Dibenz[a,h]anthracene...	18.523	7907333	53.446 ug/mlm
21)	T Benzo[g,h,i]perylene ...	18.744	8570181	63.487 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

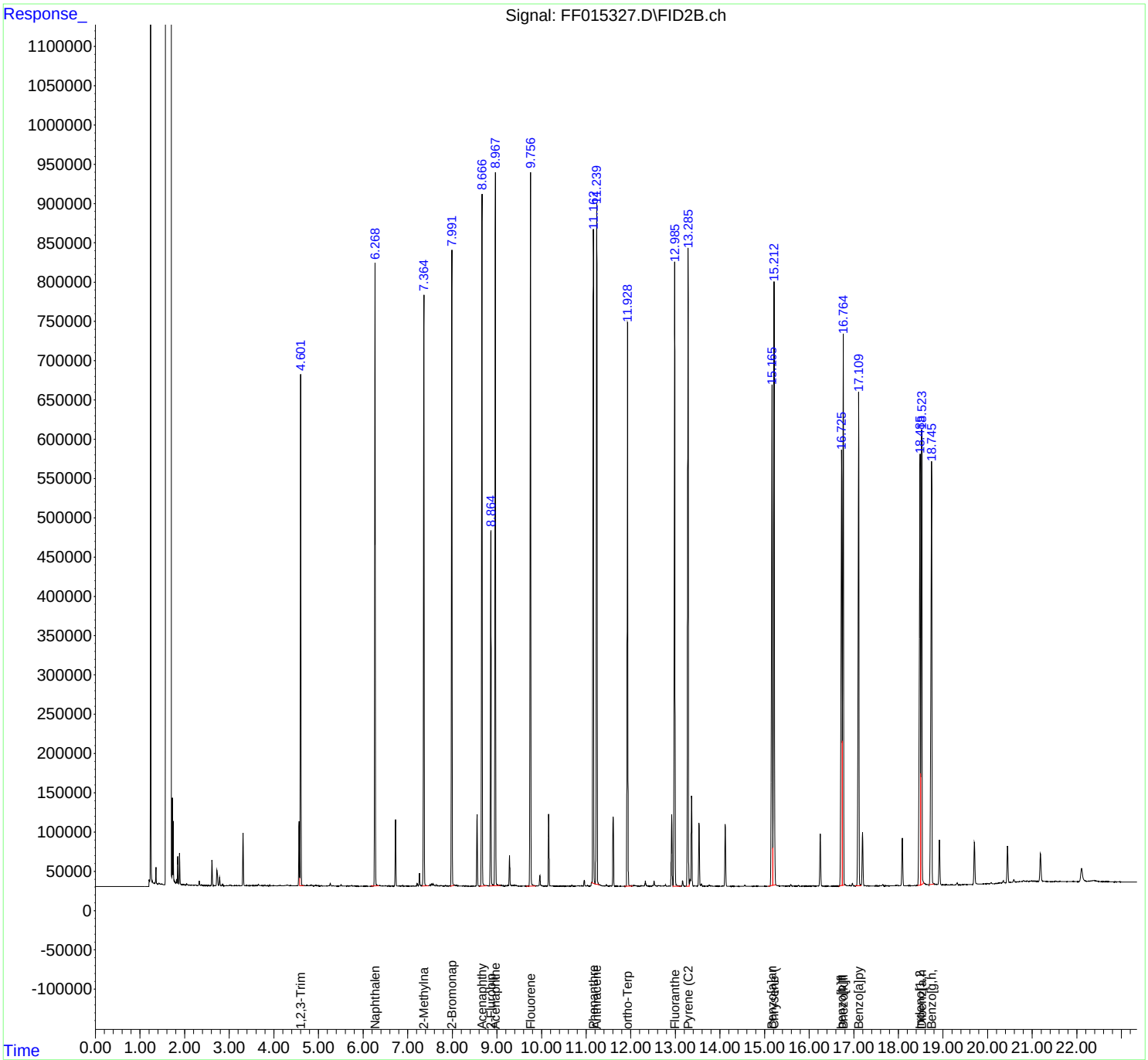
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015327.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 16:20
Operator : YP\AJ
Sample : PB166218BS
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB166218BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
Quant Time: Jan 29 00:46:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



Instrument :
FID_F
ClientSampleId :
PB166218BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF01282
Data File : FF015327.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 16:20
Sample : PB166218BS
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.601	4.580	4.670	VV	649920	6293947	63.89%	3.515%
2	6.268	6.175	6.355	BV	794503	7646280	77.62%	4.270%
3	7.364	7.320	7.464	PB	752043	7570916	76.85%	4.228%
4	7.990	7.957	8.039	PV	809841	8139073	82.62%	4.545%
5	8.666	8.602	8.775	PV	878943	9013730	91.50%	5.034%
6	8.864	8.830	8.932	BV	452427	4588846	46.58%	2.563%
7	8.966	8.932	9.085	VB	913620	9409729	95.52%	5.255%
8	9.755	9.649	9.869	BV	907743	9729007	98.76%	5.433%
9	11.162	11.120	11.201	BV	830712	9681125	98.27%	5.406%
10	11.239	11.201	11.300	PBA	868306	9657662	98.03%	5.393%
11	11.929	11.859	12.044	BV	719519	7969827	80.90%	4.451%
12	12.984	12.944	13.127	VB	789143	9770898	99.18%	5.457%
13	13.284	13.240	13.312	BV	808415	9659783	98.06%	5.394%
14	15.165	15.077	15.184	BV	635509	8901226	90.36%	4.971%
15	15.212	15.184	15.250	VBA	769863	9851376	100.00%	5.501%
16	16.726	16.660	16.742	BV	554220	8756873	88.89%	4.890%
17	16.763	16.742	16.790	VBA	701444	8676329	88.07%	4.845%
18	17.108	17.030	17.162	BV	628999	8341702	84.68%	4.658%
19	18.484	18.426	18.499	PV	542757	8902052	90.36%	4.971%
20	18.522	18.499	18.620	VBA	573155	7937436	80.57%	4.433%
21	18.744	18.680	18.800	BBA	531199	8570181	86.99%	4.786%
			Sum of corrected areas:			179067997		

Aromatic EPH 011425.M Wed Jan 29 01:34:31 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015184.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 16:20
Operator : YP\AJ
Sample : PB166218BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB166218BS

Integration File: autoint1.e
Quant Time: Jan 29 02:34:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
12) S	1-chlorooctadecane (S...	13.386	5562109	45.680	ug/ml
Spiked Amount	50.000		Recovery =	91.36%	
	Target Compounds				
1) T	n-Nonane (C9)	3.281	3612920	27.827	ug/ml
2) T	n-Decane (C10)	4.540	4504308	33.895	ug/ml
4) T	n-Dodecane (C12)	6.720	5282180	38.856	ug/ml
6) T	n-Tetradecane (C14)	8.559	6153130	44.742	ug/ml
7) T	n-Hexadecane (C16)	10.175	6893159	47.573	ug/ml
8) T	n-Octadecane (C18)	11.625	7916527	53.264	ug/ml
10) T	n-Eicosane (C20)	12.941	8383911	58.410	ug/ml
11) T	n-Heneicosane (C21)	13.555	8067621	57.058	ug/ml
13) T	n-Docosane (C22)	14.144	8038143	57.170	ug/ml
14) T	n-Tetracosane (C24)	15.252	7894531	56.720	ug/ml
15) T	n-Hexacosane (C26)	16.278	7682019	56.715	ug/ml
16) T	n-Octacosane (C28)	17.231	7449836	56.611	ug/ml
17) T	n-Tricontane (C30)	18.121	7371534	55.568	ug/ml
18) T	n-Dotriacontane (C32)	18.954	7113942	56.405	ug/ml
19) T	n-Tetratriacontane (C34)	19.743	6857927	62.985	ug/ml
20) T	n-Hexatriacontane (C36)	20.483	6504420	69.669	ug/ml
21) T	n-Octatriacontane (C38)	21.232	6359416	72.468	ug/ml
22) T	n-Tetracontane (C40)	22.174	6231395	73.516	ug/ml

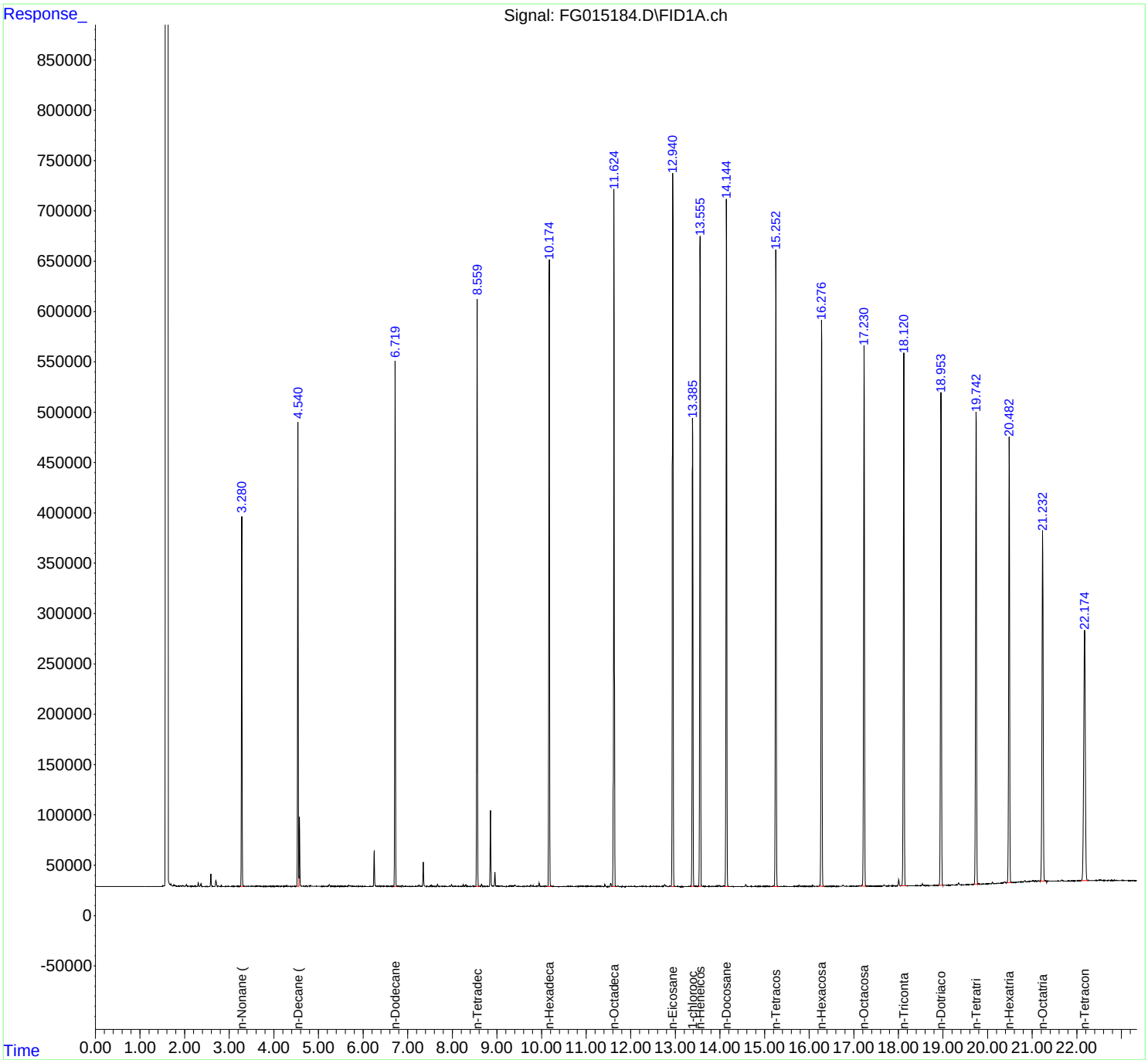
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015184.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 16:20
Operator : YP\AJ
Sample : PB166218BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB166218BS

Integration File: autoint1.e
Quant Time: Jan 29 02:34:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015184.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 16:20
Sample : PB166218BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.281	3.246	3.321	BB	367496	3612920	43.09%	2.825%
2	4.540	4.508	4.560	BV	460938	4504308	53.73%	3.522%
3	6.720	6.688	6.763	BB	520663	5282180	63.00%	4.131%
4	8.559	8.521	8.605	BB	583548	6153130	73.39%	4.812%
5	10.175	10.128	10.225	BB	617203	6893159	82.22%	5.390%
6	11.625	11.585	11.662	BB	690704	7916527	94.43%	6.191%
7	12.941	12.899	12.986	BB	703741	8383911	100.00%	6.556%
8	13.386	13.347	13.430	BB	465364	5562109	66.34%	4.350%
9	13.555	13.515	13.589	BB	645504	8067621	96.23%	6.309%
10	14.144	14.105	14.190	VB	680301	8038143	95.88%	6.286%
11	15.252	15.178	15.306	BB	630904	7894531	94.16%	6.173%
12	16.278	16.210	16.333	BB	560194	7682019	91.63%	6.007%
13	17.231	17.156	17.285	BB	536005	7449836	88.86%	5.826%
14	18.121	18.052	18.178	BB	525752	7371534	87.92%	5.764%
15	18.954	18.898	19.011	BB	488000	7113942	84.85%	5.563%
16	19.743	19.700	19.797	BB	468794	6857927	81.80%	5.363%
17	20.483	20.425	20.541	BB	441576	6504420	77.58%	5.086%
18	21.232	21.180	21.299	BB	345997	6359416	75.85%	4.973%
19	22.174	22.089	22.263	BB	248803	6231395	74.33%	4.873%
			Sum of corrected areas:			127879029		

Aliphatic EPH 011425.M Wed Jan 29 03:37:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012825AL\
Data File : FC068134.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 16:18
Operator : YP/AJ
Sample : PB166219BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166219BS

Integration File: autoint1.e
Quant Time: Jan 29 00:44:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.869	4525889	39.355 ug/ml
Spiked Amount	50.000		Recovery =	78.71%
	Target Compounds			
1) T	n-Nonane (C9)	3.232	3725844	27.209 ug/ml
2) T	n-Decane (C10)	4.290	4555651	32.814 ug/ml
4) T	n-Dodecane (C12)	6.299	5197010	37.202 ug/ml
6) T	n-Tetradecane (C14)	8.088	5832813	42.738 ug/ml
7) T	n-Hexadecane (C16)	9.684	6285154	45.234 ug/ml
8) T	n-Octadecane (C18)	11.122	6551000	46.821 ug/ml
10) T	n-Eicosane (C20)	12.428	6752597	50.467 ug/ml
11) T	n-Heneicosane (C21)	13.039	6457250	49.164 ug/ml
13) T	n-Docosane (C22)	13.625	6421955	49.577 ug/ml
14) T	n-Tetracosane (C24)	14.725	6306255	49.119 ug/ml
15) T	n-Hexacosane (C26)	15.743	6166745	49.006 ug/ml
16) T	n-Octacosane (C28)	16.691	6031525	48.224 ug/ml
17) T	n-Tricontane (C30)	17.577	6039631	46.726 ug/ml
18) T	n-Dotriacontane (C32)	18.408	5921192	47.365 ug/ml
19) T	n-Tetratriacontane (C34)	19.191	5768275	53.176 ug/ml
20) T	n-Hexatriacontane (C36)	19.929	5431797	58.695 ug/ml
21) T	n-Octatriacontane (C38)	20.642	5185853	60.520 ug/ml
22) T	n-Tetracontane (C40)	21.506	5033590	62.251 ug/ml

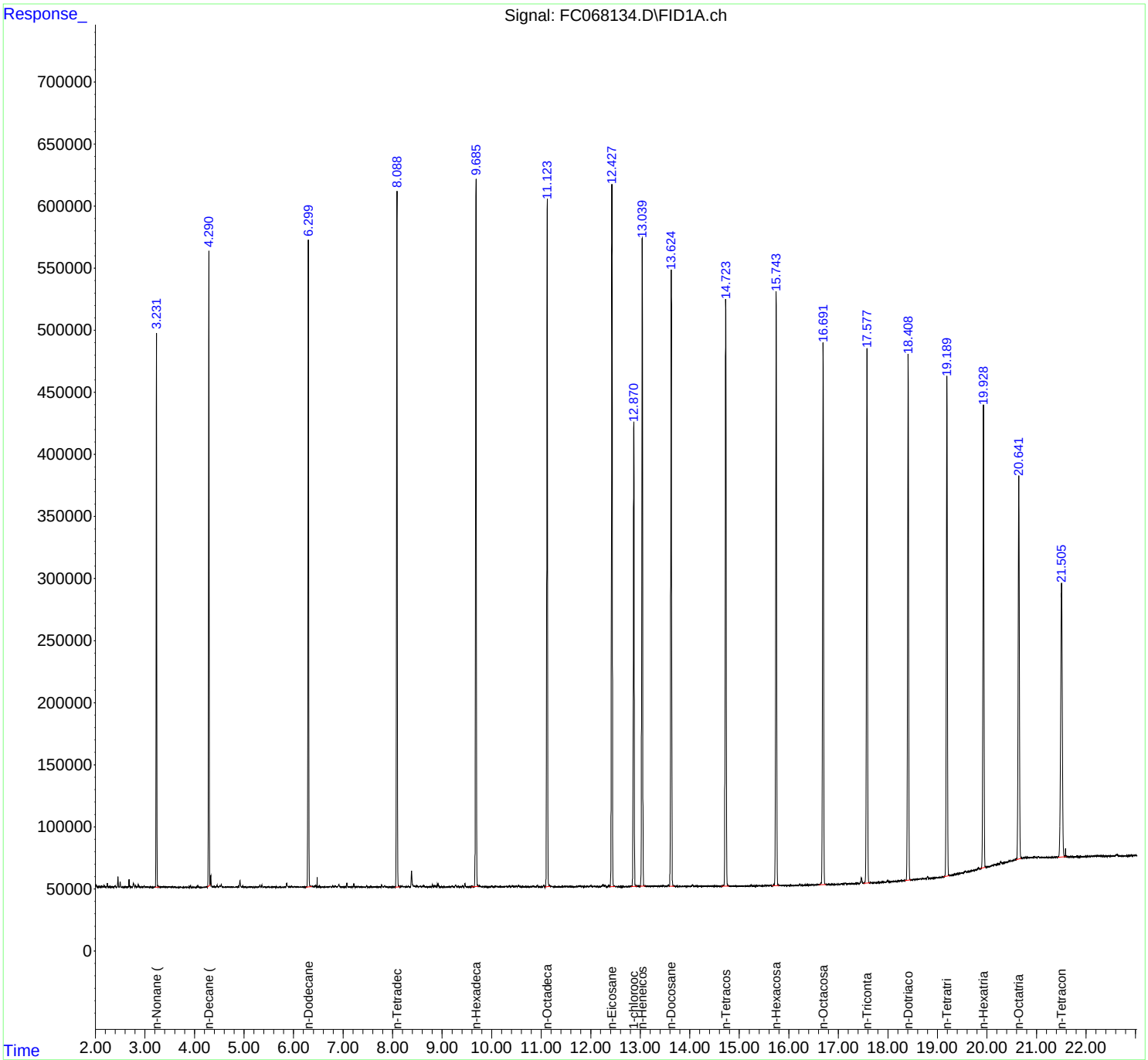
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012825AL\
Data File : FC068134.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 16:18
Operator : YP/AJ
Sample : PB166219BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166219BS

Integration File: autoint1.e
Quant Time: Jan 29 00:44:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012825AL\
Data File : FC068134.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 16:18
Sample : PB166219BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.232	3.204	3.291	BB	446276	3725844	55.18%	3.444%
2	4.290	4.258	4.315	BV	511963	4555651	67.47%	4.211%
3	6.299	6.248	6.361	BB	519044	5197010	76.96%	4.804%
4	8.088	8.048	8.151	BB	559167	5832813	86.38%	5.391%
5	9.684	9.584	9.738	BB	566712	6285154	93.08%	5.809%
6	11.122	11.081	11.184	BB	546465	6551000	97.01%	6.055%
7	12.428	12.388	12.491	BB	562701	6752597	100.00%	6.241%
8	12.869	12.811	12.941	BB	377834	4525889	67.02%	4.183%
9	13.039	12.994	13.104	BB	520536	6457250	95.63%	5.968%
10	13.625	13.584	13.684	VB	493720	6421955	95.10%	5.936%
11	14.725	14.634	14.791	BB	474246	6306255	93.39%	5.829%
12	15.743	15.661	15.808	BB	477951	6166745	91.32%	5.700%
13	16.691	16.608	16.754	BB	435732	6031525	89.32%	5.575%
14	17.577	17.511	17.641	BB	431354	6039631	89.44%	5.582%
15	18.408	18.341	18.464	BB	421300	5921192	87.69%	5.473%
16	19.191	19.121	19.241	BB	395194	5768275	85.42%	5.332%
17	19.929	19.871	19.968	BB	372570	5431797	80.44%	5.021%
18	20.642	20.581	20.694	BB	307493	5185853	76.80%	4.793%
19	21.506	21.431	21.608	BB	219336	5033590	74.54%	4.653%

Sum of corrected areas: 108190026

Aliphatic EPH 012425.M Wed Jan 29 02:06:57 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
Data File : FD048968.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 16:18
Operator : YP/AJ
Sample : PB166219BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166219BS

Integration File: autoint1.e
Quant Time: Jan 29 02:11:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.357	8086195	56.816 ug/ml
	Spiked Amount 50.000		Recovery = 113.63%	
6)	S 2-Flurobiphenyl (SURR)	8.209	5175064	60.820 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 121.64%	
11)	S ortho-Terphenyl (SURR)	11.243	7890956	47.983 ug/ml
	Spiked Amount 50.000		Recovery = 95.97%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.181	7004263	45.439 ug/ml
2)	T Naphthalene (C11.7)	5.698	7946760	50.838 ug/ml
3)	T 2-Methylnaphthalene (...	6.744	7756673	50.001 ug/ml
5)	T Acenaphthylene (C15.06)	8.011	8962245	54.801 ug/ml
7)	T Acenaphthene (C15.5)	8.307	9656367	57.491 ug/ml
8)	T Flouorene (C16.55)	9.086	9674552	61.845 ug/ml
9)	T Phenanthrene (C19.36)	10.474	9900566	65.006 ug/ml
10)	T Anthracene (C19.43)	10.550	10067480	66.092 ug/ml
12)	T Fluoranthene (C21.85)	12.280	10189858	64.782 ug/ml
13)	T Pyrene (C20.8)	12.573	10079737	63.984 ug/ml
14)	T Benzo[a]anthracene (C...	14.445	9566321	74.342 ug/ml
15)	T Chrysene (C27.41)	14.486	9445146	55.856 ug/ml
16)	T benzo[b]fluoranthene ...	15.995	9483980	69.413 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.030	9671545	59.717 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.370	9138771	65.662 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.741	8962541	85.937 ug/ml
20)	T Dibenz[a,h]anthracene...	17.775	8895841	62.315 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.993	8945465	62.714 ug/ml

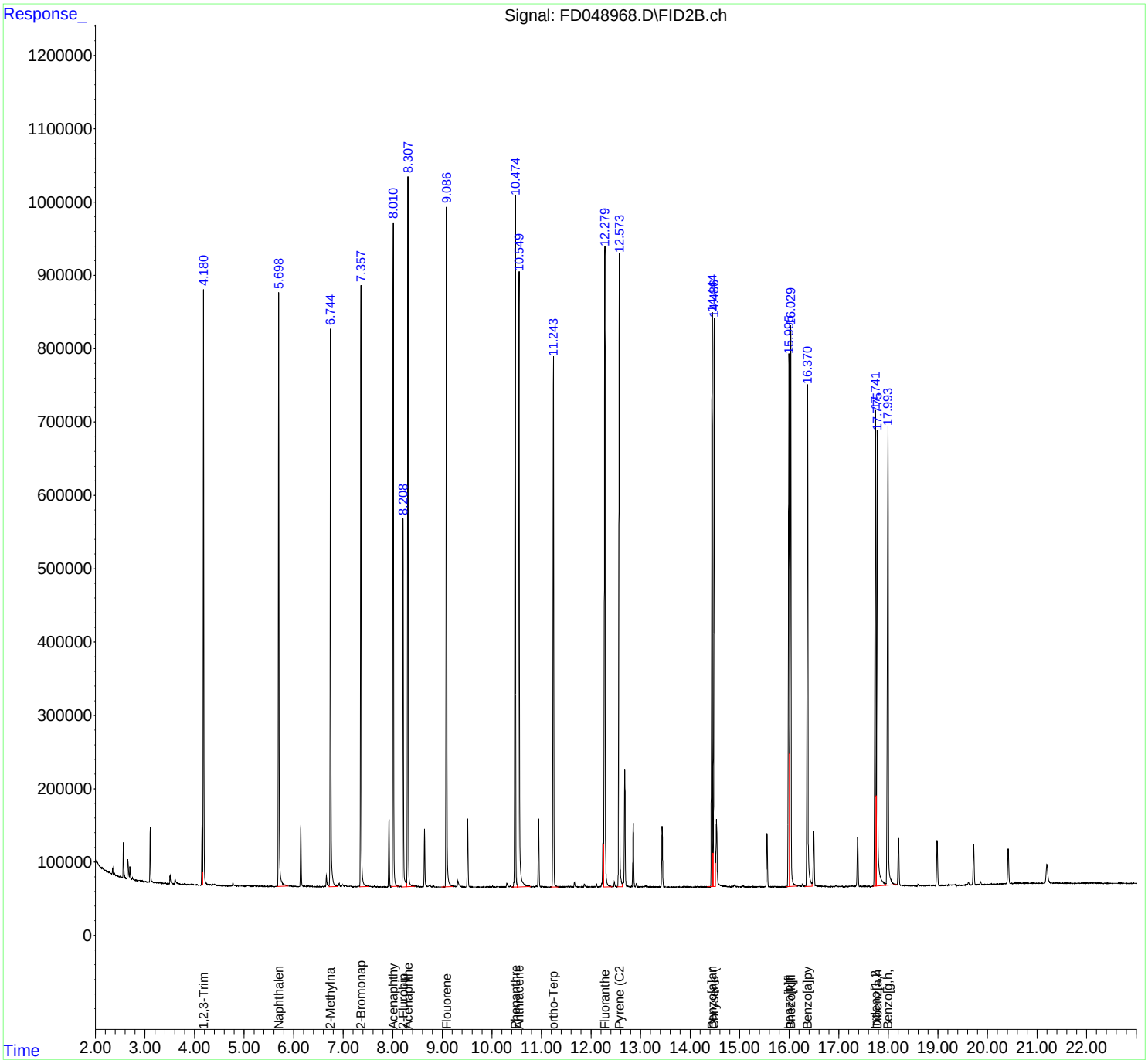
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
Data File : FD048968.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 16:18
Operator : YP/AJ
Sample : PB166219BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166219BS

Integration File: autoint1.e
Quant Time: Jan 29 02:11:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
Data File : FD048968.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 16:18
Sample : PB166219BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.181	4.164	4.307	VV	811523	7004263	68.74%	3.756%
2	5.698	5.650	5.893	BB	811969	7946760	77.99%	4.261%
3	6.744	6.715	6.887	VV	763289	7756673	76.12%	4.159%
4	7.357	7.332	7.512	VB	818179	8086195	79.36%	4.336%
5	8.011	7.960	8.113	BV	903550	8962245	87.95%	4.805%
6	8.209	8.180	8.278	BV	501732	5175064	50.79%	2.775%
7	8.307	8.278	8.448	VV	967217	9656367	94.76%	5.178%
8	9.086	8.980	9.230	BV	922909	9674552	94.94%	5.187%
9	10.474	10.402	10.517	BV	941323	9900566	97.16%	5.309%
10	10.550	10.517	10.777	VB	838961	10067480	98.80%	5.398%
11	11.243	11.183	11.342	BB	723830	7890956	77.44%	4.231%
12	12.280	12.255	12.430	VB	871202	10189858	100.00%	5.464%
13	12.573	12.523	12.633	BV	866476	10079737	98.92%	5.405%
14	14.445	14.343	14.461	BV	782583	9566321	93.88%	5.129%
15	14.487	14.461	14.514	VV	773830	9445146	92.69%	5.064%
16	15.995	15.930	16.008	BV	727373	9483980	93.07%	5.085%
17	16.030	16.008	16.163	VB	766183	9671545	94.91%	5.186%
18	16.370	16.310	16.461	BV	684073	9138771	89.68%	4.900%
19	17.741	17.690	17.754	BV	645574	8962541	87.96%	4.806%
20	17.775	17.754	17.950	VV	620736	8895841	87.30%	4.770%
21	17.993	17.950	18.165	VV	629009	8945465	87.79%	4.796%
			Sum of corrected areas:			186500327		

Aromatic EPH 012425.M Wed Jan 29 02:47:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015328.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 16:49
Operator : YP\AJ
Sample : PB166218BSD
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB166218BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
Quant Time: Jan 29 00:47:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.993	8894035	67.379 ug/ml
	Spiked Amount 50.000		Recovery = 134.76%	
6)	S 2-Flurobiphenyl (SURR)	8.866	5036514	59.669 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 119.34%	
11)	S ortho-Terphenyl (SURR)	11.931	8717752	50.642 ug/ml
	Spiked Amount 50.000		Recovery = 101.28%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.604	6860785	42.772 ug/ml
2)	T Naphthalene (C11.7)	6.271	8352411	52.093 ug/ml
3)	T 2-Methylnaphthalene (...	7.366	8276884	52.050 ug/ml
5)	T Acenaphthylene (C15.06)	8.668	9848852	61.982 ug/ml
7)	T Acenaphthene (C15.5)	8.969	10301926	63.178 ug/ml
8)	T Flouorene (C16.55)	9.758	10667883	67.751 ug/ml
9)	T Phenanthrene (C19.36)	11.164	10688075	66.941 ug/ml
10)	T Anthracene (C19.43)	11.241	10674090	72.297 ug/ml
12)	T Fluoranthene (C21.85)	12.987	10809095	65.338 ug/ml
13)	T Pyrene (C20.8)	13.287	10703803	66.082 ug/ml
14)	T Benzo[a]anthracene (C...	15.168	9917954	66.483 ug/ml
15)	T Chrysene (C27.41)	15.214	10932388	70.382 ug/ml
16)	T benzo[b]fluoranthene ...	16.728	9730394	65.752 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.765	9811165	69.391 ug/mlm
18)	T Benzo[a]pyrene (C31.34)	17.111	9269954	65.244 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.488	10032761	79.620 ug/ml
20)	T Dibenz[a,h]anthracene...	18.526	9219293	62.313 ug/mlm
21)	T Benzo[g,h,i]perylene ...	18.748	9625386	71.304 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

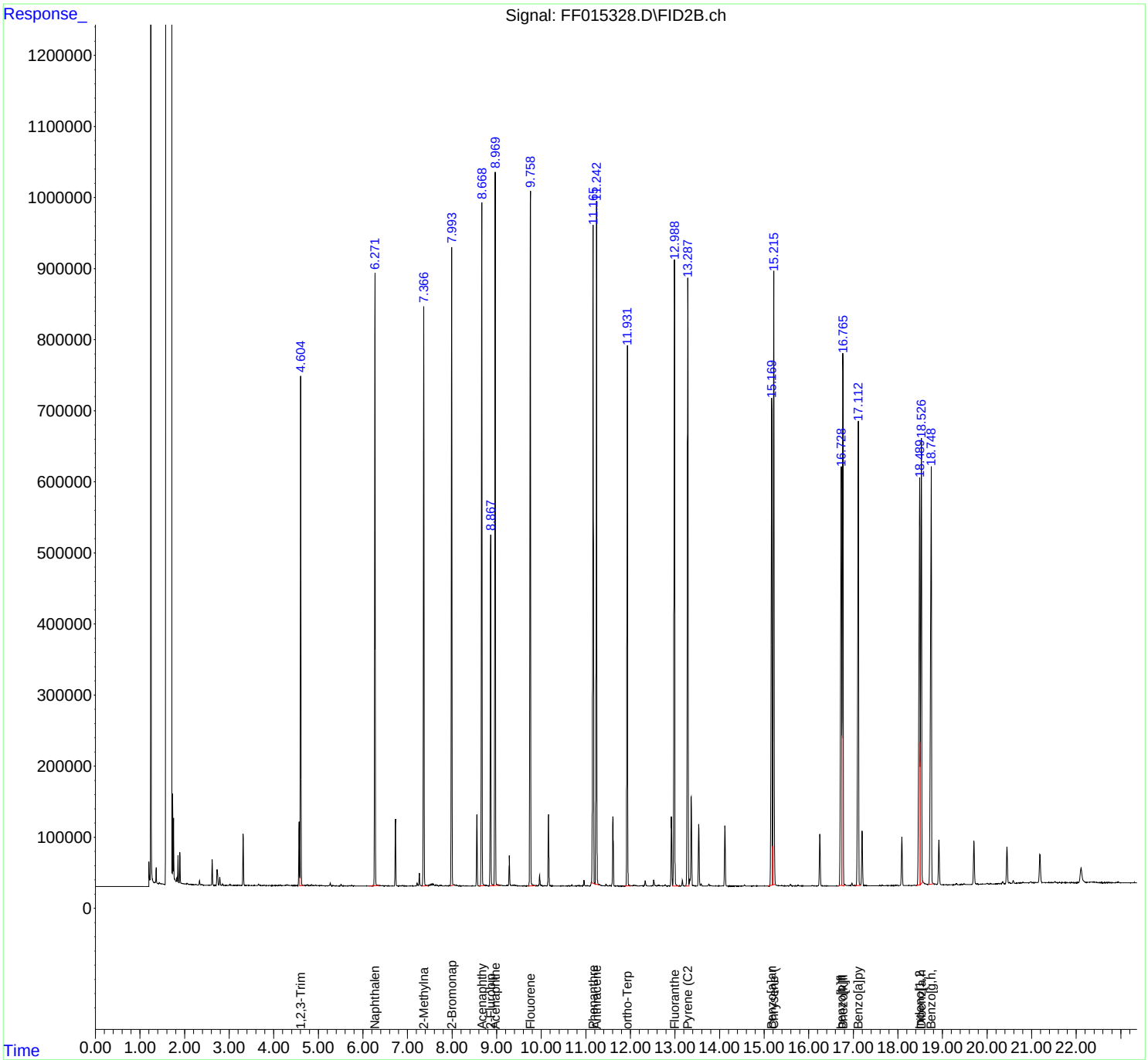
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015328.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 16:49
Operator : YP\AJ
Sample : PB166218BSD
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jan 29 00:47:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
PB166218BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025



Instrument :
FID_F
ClientSampleId :
PB166218BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF01282
Data File : FF015328.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 16:49
Sample : PB166218BSD
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.604	4.583	4.675	VV	714868	6860785	62.76%	3.466%
2	6.271	6.145	6.359	BV	865189	8352411	76.40%	4.220%
3	7.366	7.325	7.464	PB	819063	8276884	75.71%	4.182%
4	7.993	7.960	8.044	PV	891556	8894035	81.35%	4.493%
5	8.668	8.600	8.740	PV	965801	9848852	90.09%	4.976%
6	8.866	8.830	8.935	BV	497838	5036514	46.07%	2.545%
7	8.969	8.935	9.062	VV	999157	10301926	94.23%	5.205%
8	9.758	9.702	9.875	BV	970313	10667883	97.58%	5.390%
9	11.164	11.120	11.205	BV	919877	10688075	97.77%	5.400%
10	11.241	11.205	11.300	PBA	964179	10674090	97.64%	5.393%
11	11.931	11.845	12.010	BB	760737	8717752	79.74%	4.404%
12	12.987	12.946	13.099	VB	880591	10809095	98.87%	5.461%
13	13.287	13.240	13.313	BV	858643	10703803	97.91%	5.408%
14	15.168	15.085	15.187	BV	686092	9917954	90.72%	5.011%
15	15.214	15.187	15.250	VBA	862317	10932388	100.00%	5.523%
16	16.728	16.660	16.744	BV	589940	9730394	89.01%	4.916%
17	16.766	16.744	16.790	VBA	749188	9602091	87.83%	4.851%
18	17.111	17.030	17.161	BV	655175	9269954	84.79%	4.683%
19	18.488	18.392	18.502	PV	568463	10032761	91.77%	5.069%
20	18.526	18.502	18.620	VBA	627757	8989481	82.23%	4.542%
21	18.748	18.680	18.800	BBA	582724	9625386	88.04%	4.863%
			Sum of corrected areas:			197932512		

Aromatic EPH 011425.M Wed Jan 29 01:39:05 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015185.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 16:49
Operator : YP\AJ
Sample : PB166218BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB166218BSD

Integration File: autoint1.e
Quant Time: Jan 29 02:34:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	13.386	6163834	50.622 ug/ml
Spiked Amount	50.000		Recovery =	101.24%
	Target Compounds			
1) T	n-Nonane (C9)	3.284	3882539	29.904 ug/ml
2) T	n-Decane (C10)	4.543	4838579	36.410 ug/ml
4) T	n-Dodecane (C12)	6.722	5670244	41.711 ug/ml
6) T	n-Tetradecane (C14)	8.559	6603376	48.016 ug/ml
7) T	n-Hexadecane (C16)	10.175	7397339	51.053 ug/ml
8) T	n-Octadecane (C18)	11.625	8498003	57.176 ug/ml
10) T	n-Eicosane (C20)	12.942	9013642	62.797 ug/ml
11) T	n-Heneicosane (C21)	13.556	8681838	61.402 ug/ml
13) T	n-Docosane (C22)	14.145	8653145	61.544 ug/ml
14) T	n-Tetracosane (C24)	15.253	8514303	61.173 ug/ml
15) T	n-Hexacosane (C26)	16.278	8288902	61.196 ug/ml
16) T	n-Octacosane (C28)	17.230	8037428	61.076 ug/ml
17) T	n-Tricontane (C30)	18.120	7944286	59.886 ug/ml
18) T	n-Dotriacontane (C32)	18.956	7663135	60.759 ug/ml
19) T	n-Tetratriacontane (C34)	19.740	7387709	67.850 ug/ml
20) T	n-Hexatriacontane (C36)	20.481	7029656	75.295 ug/ml
21) T	n-Octatriacontane (C38)	21.231	6915140	78.801 ug/ml
22) T	n-Tetracontane (C40)	22.173	6899921	81.403 ug/ml

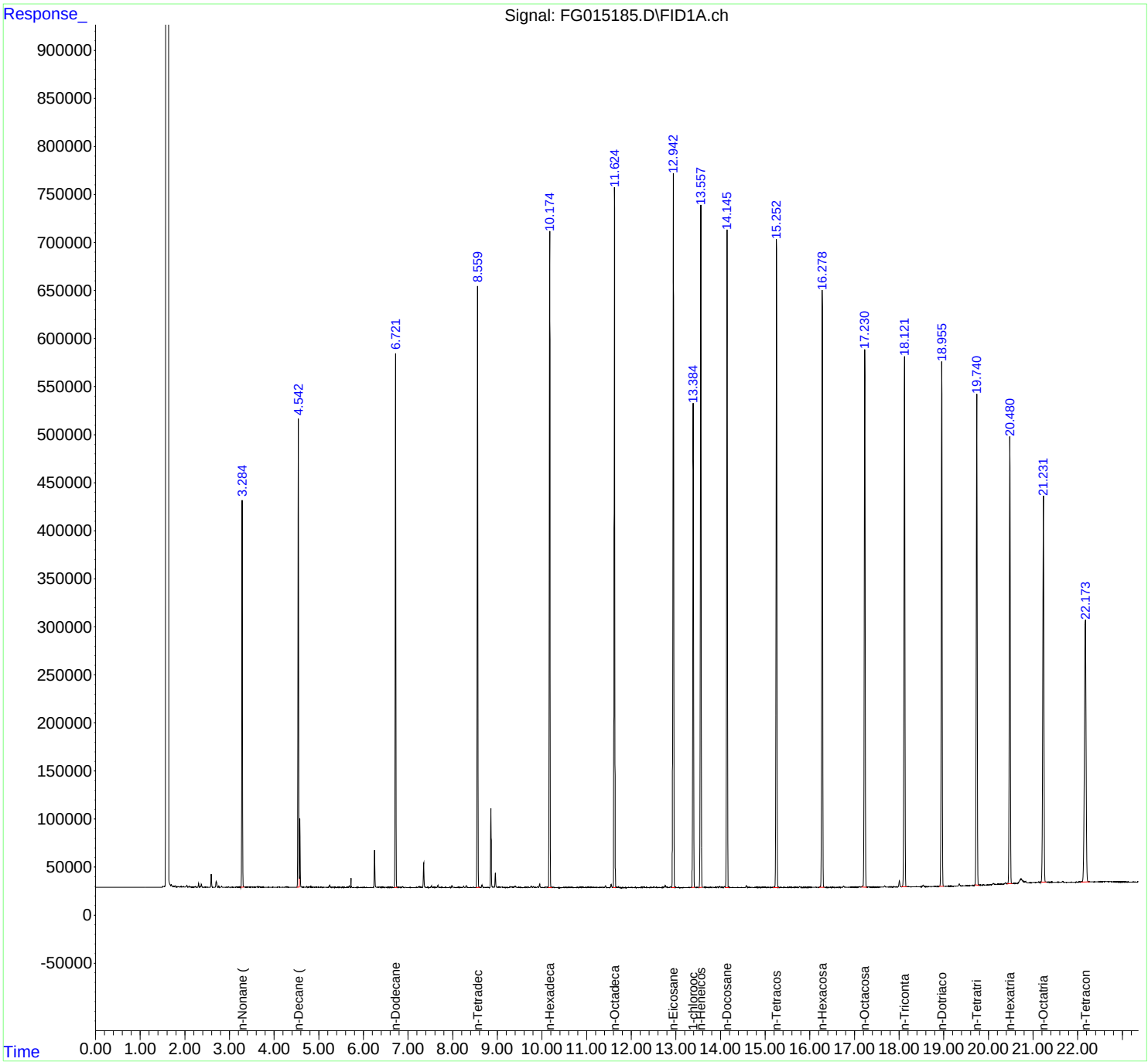
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015185.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 16:49
Operator : YP\AJ
Sample : PB166218BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB166218BSD

Integration File: autoint1.e
Quant Time: Jan 29 02:34:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015185.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 16:49
Sample : PB166218BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.284	3.250	3.328	BB	402902	3882539	43.07%	2.812%
2	4.543	4.508	4.562	BV	487261	4838579	53.68%	3.504%
3	6.722	6.687	6.765	BB	555355	5670244	62.91%	4.106%
4	8.559	8.523	8.604	BB	623893	6603376	73.26%	4.782%
5	10.175	10.136	10.223	BB	678178	7397339	82.07%	5.357%
6	11.625	11.586	11.656	BB	726309	8498003	94.28%	6.154%
7	12.942	12.901	12.987	BB	742650	9013642	100.00%	6.528%
8	13.386	13.347	13.422	BB	498697	6163834	68.38%	4.464%
9	13.556	13.515	13.591	BB	706810	8681838	96.32%	6.287%
10	14.145	14.105	14.190	VB	683592	8653145	96.00%	6.267%
11	15.253	15.174	15.307	BB	673092	8514303	94.46%	6.166%
12	16.278	16.208	16.328	BB	618827	8288902	91.96%	6.003%
13	17.230	17.156	17.286	BB	558918	8037428	89.17%	5.821%
14	18.120	18.053	18.171	BB	541690	7944286	88.14%	5.753%
15	18.956	18.893	19.001	BB	545827	7663135	85.02%	5.550%
16	19.740	19.700	19.793	BB	509700	7387709	81.96%	5.350%
17	20.481	20.425	20.538	BB	465046	7029656	77.99%	5.091%
18	21.231	21.180	21.300	BB	397862	6915140	76.72%	5.008%
19	22.173	22.072	22.272	BB	272659	6899921	76.55%	4.997%
			Sum of corrected areas:			138083018		

Aliphatic EPH 011425.M Wed Jan 29 03:39:11 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012825AL\
Data File : FC068135.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 16:55
Operator : YP/AJ
Sample : PB166219BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166219BSD

Integration File: autoint1.e
Quant Time: Jan 29 00:45:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.868	4449518	38.690 ug/ml
Spiked Amount	50.000		Recovery =	77.38%
	Target Compounds			
1) T	n-Nonane (C9)	3.232	3698596	27.010 ug/ml
2) T	n-Decane (C10)	4.290	4519982	32.557 ug/ml
4) T	n-Dodecane (C12)	6.299	5181132	37.088 ug/ml
6) T	n-Tetradecane (C14)	8.089	5847833	42.848 ug/ml
7) T	n-Hexadecane (C16)	9.684	6348763	45.692 ug/ml
8) T	n-Octadecane (C18)	11.122	6641515	47.468 ug/ml
10) T	n-Eicosane (C20)	12.429	6856290	51.242 ug/ml
11) T	n-Heneicosane (C21)	13.039	6557645	49.929 ug/ml
13) T	n-Docosane (C22)	13.624	6518164	50.320 ug/ml
14) T	n-Tetracosane (C24)	14.724	6389113	49.765 ug/ml
15) T	n-Hexacosane (C26)	15.743	6230013	49.509 ug/ml
16) T	n-Octacosane (C28)	16.690	6080375	48.615 ug/ml
17) T	n-Tricontane (C30)	17.576	6089096	47.109 ug/ml
18) T	n-Dotriacontane (C32)	18.407	5961117	47.684 ug/ml
19) T	n-Tetratriacontane (C34)	19.190	5800339	53.471 ug/ml
20) T	n-Hexatriacontane (C36)	19.928	5455685	58.953 ug/ml
21) T	n-Octatriacontane (C38)	20.643	5204768	60.741 ug/ml
22) T	n-Tetracontane (C40)	21.504	5028748	62.191 ug/ml

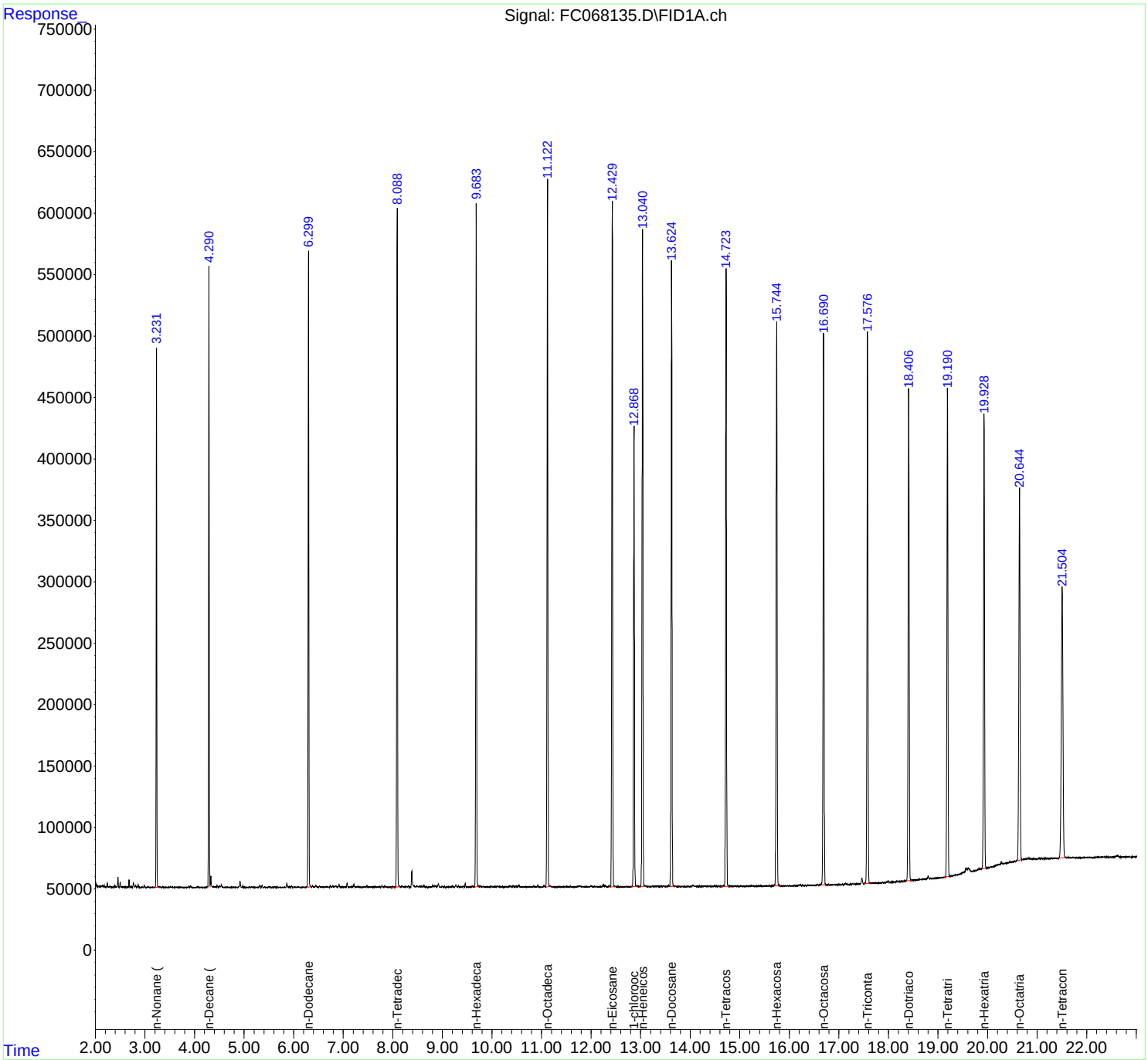
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012825AL\
Data File : FC068135.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 16:55
Operator : YP/AJ
Sample : PB166219BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166219BSD

Integration File: autoint1.e
Quant Time: Jan 29 00:45:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 04:31:18 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012825AL\
Data File : FC068135.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 16:55
Sample : PB166219BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.232	3.194	3.294	BB	438635	3698596	53.94%	3.398%
2	4.290	4.254	4.315	BV	505916	4519982	65.92%	4.152%
3	6.299	6.261	6.361	BB	524323	5181132	75.57%	4.760%
4	8.089	7.964	8.151	BB	547450	5847833	85.29%	5.372%
5	9.684	9.641	9.741	BB	555871	6348763	92.60%	5.832%
6	11.122	11.081	11.184	BB	572446	6641515	96.87%	6.101%
7	12.429	12.388	12.491	PB	556110	6856290	100.00%	6.298%
8	12.868	12.811	12.921	BB	374036	4449518	64.90%	4.087%
9	13.039	12.998	13.101	BB	532093	6557645	95.64%	6.024%
10	13.624	13.584	13.684	BB	509955	6518164	95.07%	5.988%
11	14.724	14.634	14.784	BB	503232	6389113	93.19%	5.869%
12	15.743	15.671	15.804	BB	461585	6230013	90.87%	5.723%
13	16.690	16.618	16.751	BB	446963	6080375	88.68%	5.586%
14	17.576	17.504	17.638	BB	447161	6089096	88.81%	5.594%
15	18.407	18.341	18.471	BB	399494	5961117	86.94%	5.476%
16	19.190	19.121	19.241	BB	401107	5800339	84.60%	5.328%
17	19.928	19.871	19.971	BB	368295	5455685	79.57%	5.012%
18	20.643	20.581	20.691	BB	302335	5204768	75.91%	4.781%
19	21.504	21.431	21.581	BB	220424	5028748	73.35%	4.620%

Sum of corrected areas: 108858689

Aliphatic EPH 012425.M Wed Jan 29 02:07:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
Data File : FD048969.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 16:55
Operator : YP/AJ
Sample : PB166219BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166219BSD

Integration File: autoint1.e
Quant Time: Jan 29 02:11:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.358	8254516	57.999 ug/ml
	Spiked Amount 50.000		Recovery = 116.00%	
6)	S 2-Flurobiphenyl (SURR)	8.209	5291934	62.194 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 124.39%	
11)	S ortho-Terphenyl (SURR)	11.244	8077333	49.117 ug/ml
	Spiked Amount 50.000		Recovery = 98.23%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.181	7159022	46.443 ug/ml
2)	T Naphthalene (C11.7)	5.698	7983666	51.074 ug/ml
3)	T 2-Methylnaphthalene (...	6.745	7913402	51.011 ug/ml
5)	T Acenaphthylene (C15.06)	8.011	9166688	56.051 ug/ml
7)	T Acenaphthene (C15.5)	8.307	9840886	58.590 ug/ml
8)	T Flouorene (C16.55)	9.086	9927555	63.463 ug/ml
9)	T Phenanthrene (C19.36)	10.474	10148967	66.637 ug/ml
10)	T Anthracene (C19.43)	10.549	10277016	67.467 ug/ml
12)	T Fluoranthene (C21.85)	12.280	10443614	66.395 ug/ml
13)	T Pyrene (C20.8)	12.573	10324628	65.539 ug/ml
14)	T Benzo[a]anthracene (C...	14.445	9850405	76.550 ug/ml
15)	T Chrysene (C27.41)	14.488	9711801	57.433 ug/ml
16)	T benzo[b]fluoranthene ...	15.995	9751561	71.371 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.029	9952112	61.449 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.371	9383696	67.422 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.740	9238678	88.585 ug/ml
20)	T Dibenz[a,h]anthracene...	17.775	9123557	63.910 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.992	9201366	64.508 ug/ml

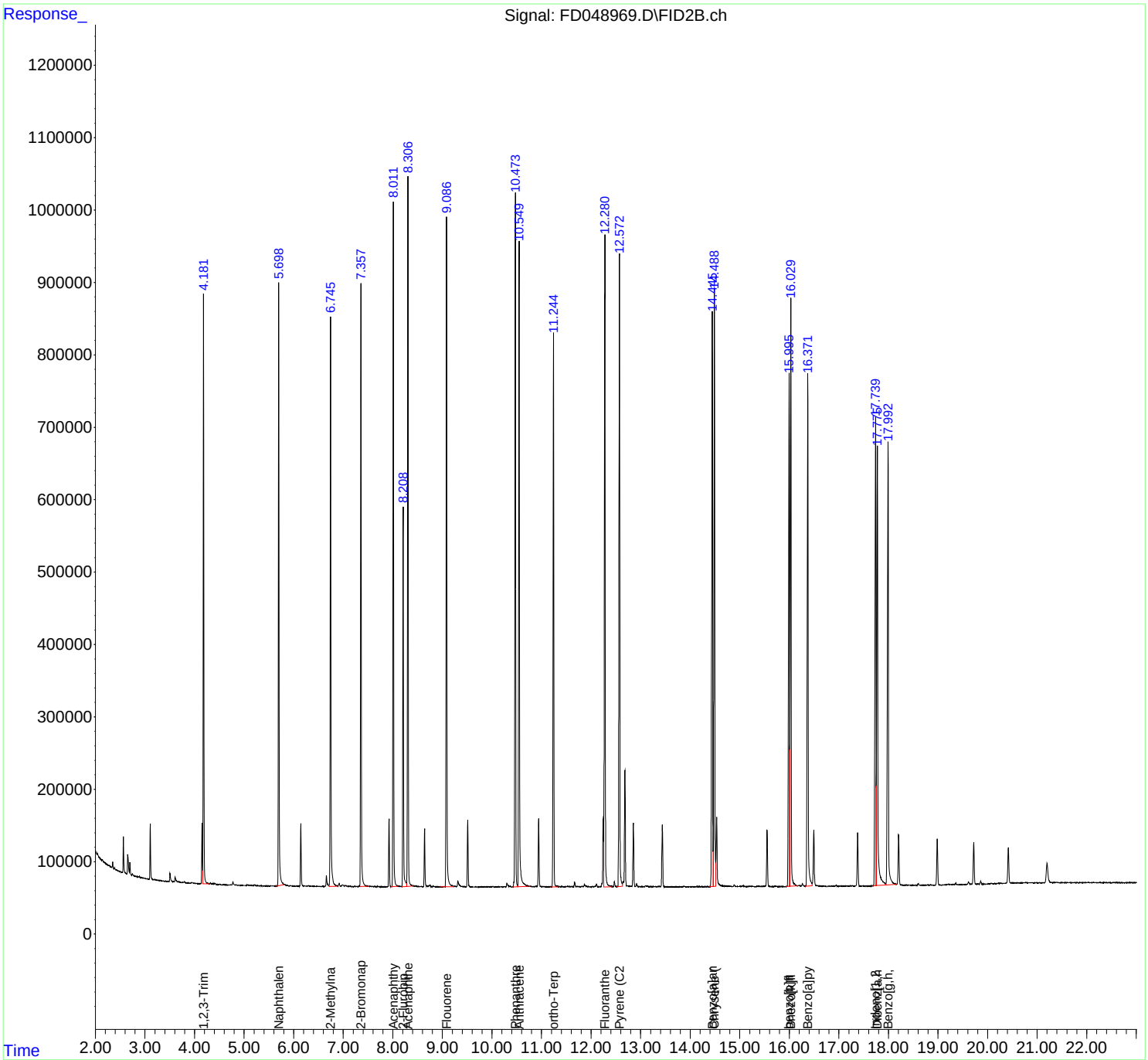
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
Data File : FD048969.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 16:55
Operator : YP/AJ
Sample : PB166219BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166219BSD

Integration File: autoint1.e
Quant Time: Jan 29 02:11:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
Data File : FD048969.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 16:55
Sample : PB166219BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.181	4.164	4.300	VV	813337	7159022	68.55%	3.748%
2	5.698	5.649	5.810	BV	832483	7983666	76.45%	4.179%
3	6.745	6.715	6.887	VV	787729	7913402	75.77%	4.143%
4	7.358	7.332	7.517	VB	833854	8254516	79.04%	4.321%
5	8.011	7.960	8.110	BV	947100	9166688	87.77%	4.799%
6	8.209	8.182	8.277	BV	525585	5291934	50.67%	2.770%
7	8.307	8.277	8.408	VV	982064	9840886	94.23%	5.152%
8	9.086	8.947	9.234	BV	924464	9927555	95.06%	5.197%
9	10.474	10.409	10.519	BV	957952	10148967	97.18%	5.313%
10	10.549	10.519	10.769	VB	888904	10277016	98.40%	5.380%
11	11.244	11.184	11.339	BB	763730	8077333	77.34%	4.228%
12	12.280	12.255	12.424	VB	899690	10443614	100.00%	5.467%
13	12.573	12.520	12.632	BV	877229	10324628	98.86%	5.405%
14	14.445	14.377	14.462	BV	796642	9850405	94.32%	5.157%
15	14.488	14.462	14.513	VV	826119	9711801	92.99%	5.084%
16	15.995	15.930	16.008	BV	710336	9751561	93.37%	5.105%
17	16.029	16.008	16.170	VB	815776	9952112	95.29%	5.210%
18	16.371	16.322	16.459	BV	710892	9383696	89.85%	4.912%
19	17.740	17.690	17.753	BV	647339	9238678	88.46%	4.836%
20	17.775	17.753	17.945	VV	607523	9123557	87.36%	4.776%
21	17.992	17.945	18.169	VV	611489	9201366	88.11%	4.817%
			Sum of corrected areas:			191022404		

Aromatic EPH 012425.M Wed Jan 29 02:48:44 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015334.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 19:40
Operator : YP\AJ
Sample : Q1194-01MS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jan 29 00:49:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
B-110-SB01MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.993	7140254	54.093 ug/ml
Spiked Amount 50.000		Recovery = 108.19%	
6) S 2-Flurobiphenyl (SURR)	8.866	4584114	54.309 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 108.62%	
11) S ortho-Terphenyl (SURR)	11.929	6065574	35.236 ug/ml
Spiked Amount 50.000		Recovery = 70.47%	
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.604	6180634	38.532 ug/ml
2) T Naphthalene (C11.7)	6.271	7136326	44.509 ug/ml
3) T 2-Methylnaphthalene (...	7.366	6946332	43.683 ug/ml
5) T Acenaphthylene (C15.06)	8.668	7812675	49.167 ug/ml
7) T Acenaphthene (C15.5)	8.968	8217120	50.393 ug/ml
8) T Flouorene (C16.55)	9.757	8180501	51.954 ug/ml
9) T Phenanthrene (C19.36)	11.162	7905446	49.513 ug/ml
10) T Anthracene (C19.43)	11.238	7910996	53.582 ug/ml
12) T Fluoranthene (C21.85)	12.984	7933218	47.954 ug/ml
13) T Pyrene (C20.8)	13.283	7792479	48.108 ug/ml
14) T Benzo[a]anthracene (C...	15.164	7162559	48.013 ug/ml
15) T Chrysene (C27.41)	15.210	8024915	51.664 ug/ml
16) T benzo[b]fluoranthene ...	16.725	7056691	47.685 ug/ml
17) T Bnezo[k]fluoranthene ...	16.761	7006258	49.553 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.107	6734227	47.397 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.481	7350672	58.335 ug/ml
20) T Dibenz[a,h]anthracene...	18.520	6622747	44.763 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.740	7004278	51.887 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

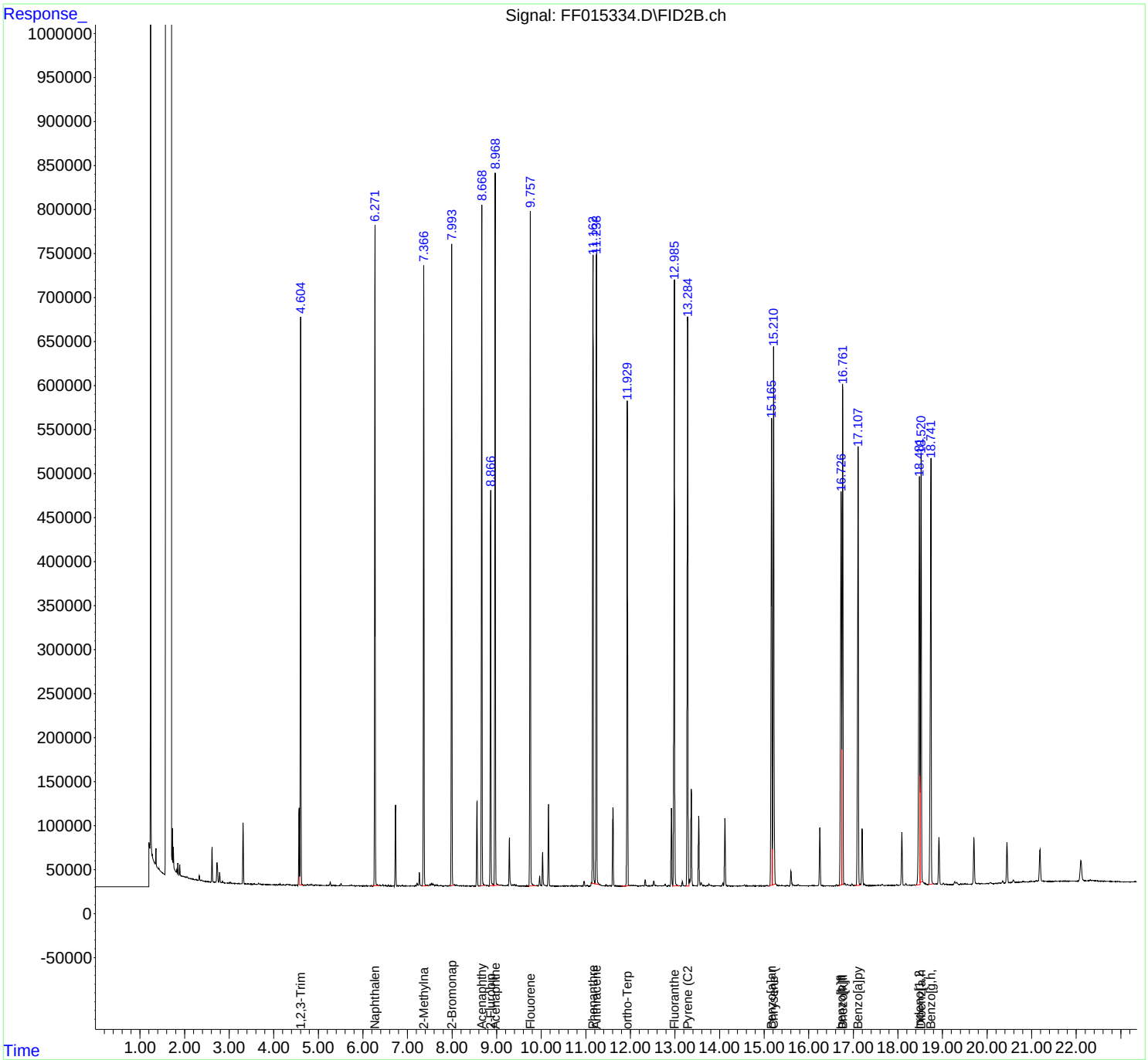
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015334.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 19:40
Operator : YP\AJ
Sample : Q1194-01MS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
B-110-SB01MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
Quant Time: Jan 29 00:49:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



8

Instrument :
FID_F
ClientSampleId :
B-110-SB01MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF01282
Data File : FF015334.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 19:40
Sample : Q1194-01MS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.452	4.439	4.466	PV	186	2067	0.02%	0.001%
2	4.469	4.466	4.493	VV	114	1200	0.01%	0.001%
3	4.513	4.493	4.537	VV	255	3867	0.05%	0.002%
4	4.568	4.537	4.583	VV	88168	854190	10.33%	0.507%
5	4.604	4.583	4.670	VV	646229	6187593	74.80%	3.672%
6	4.691	4.670	4.719	VV	571	8772	0.11%	0.005%
7	4.757	4.719	4.776	VV	1258	18398	0.22%	0.011%
8	4.788	4.776	4.802	VV	268	2828	0.03%	0.002%
9	4.818	4.802	4.836	VV	967	10483	0.13%	0.006%
10	4.852	4.836	4.883	VV	1680	18577	0.22%	0.011%
11	4.887	4.883	4.915	VV	179	2239	0.03%	0.001%
12	4.941	4.915	4.969	VV	673	13835	0.17%	0.008%
13	4.981	4.969	5.021	VV	498	8872	0.11%	0.005%
14	5.028	5.021	5.031	VV	198	1183	0.01%	0.001%
15	5.034	5.031	5.040	VV	194	1002	0.01%	0.001%
16	5.060	5.040	5.101	VV	611	9518	0.12%	0.006%
17	5.107	5.101	5.133	VV	106	1553	0.02%	0.001%
18	5.183	5.166	5.207	VV	255	3249	0.04%	0.002%
19	5.245	5.207	5.250	VV	653	8746	0.11%	0.005%
20	5.268	5.250	5.304	VV	4098	48244	0.58%	0.029%
21	5.330	5.304	5.369	VV	785	10522	0.13%	0.006%
22	5.383	5.369	5.442	VV	188	3120	0.04%	0.002%
23	5.475	5.442	5.491	PV	269	2657	0.03%	0.002%
24	5.510	5.491	5.551	VV	2682	31151	0.38%	0.018%
25	5.568	5.558	5.574	VV	165	1245	0.02%	0.001%
26	5.579	5.574	5.596	VV	191	1618	0.02%	0.001%
27	5.614	5.596	5.626	VV	134	1521	0.02%	0.001%
28	5.661	5.647	5.686	VV	235	3109	0.04%	0.002%
29	5.704	5.686	5.725	VV	699	8205	0.10%	0.005%
30	5.747	5.725	5.772	VV	1319	14788	0.18%	0.009%
31	5.776	5.772	5.794	VV	102	1388	0.02%	0.001%
32	5.809	5.794	5.859	VV	340	5963	0.07%	0.004%
33	5.897	5.871	5.932	VV	258	5570	0.07%	0.003%
34	5.954	5.932	5.981	VV	247	4349	0.05%	0.003%
35	6.014	5.992	6.047	VV	258	4603	0.06%	0.003%
36	6.054	6.047	6.069	VV	196	1814	0.02%	0.001%

Page 1

8

Instrument :
FID_F
ClientSampleId :
B-110-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

A B C D E F G H I J

rteres

37	6.075	6.069	6.102	VV	205	2677	0.03%	0.002%
38	6.112	6.102	6.124	VV	173	1338	0	
39	6.137	6.132	6.152	VV	112	1172	0	
40	6.171	6.152	6.186	VV	208	3002	0	
41	6.189	6.186	6.209	VV	219	2718	0	
42	6.218	6.209	6.228	VV	316	2734	0	
43	6.233	6.228	6.237	VV	261	1236	0.01%	0.001%
44	6.271	6.237	6.362	VV	749950	7172370	86.70%	4.257%
45	6.378	6.362	6.416	VV	1203	23290	0.28%	0.014%
46	6.447	6.416	6.477	VV	1603	27127	0.33%	0.016%
47	6.483	6.477	6.489	VV	362	2273	0.03%	0.001%
48	6.521	6.489	6.557	VV	542	15705	0.19%	0.009%
49	6.575	6.557	6.593	VV	1145	14504	0.18%	0.009%
50	6.597	6.593	6.604	VV	288	1749	0.02%	0.001%
51	6.609	6.604	6.633	VV	281	3787	0.05%	0.002%
52	6.650	6.633	6.655	VV	246	2468	0.03%	0.001%
53	6.660	6.655	6.677	VV	204	2181	0.03%	0.001%
54	6.682	6.677	6.702	VV	200	2296	0.03%	0.001%
55	6.732	6.702	6.791	VV	92030	954390	11.54%	0.566%
56	6.818	6.791	6.837	VV	707	10142	0.12%	0.006%
57	6.853	6.837	6.868	VV	476	5542	0.07%	0.003%
58	6.886	6.868	6.909	VV	1208	14279	0.17%	0.008%
59	6.920	6.909	6.937	VV	374	3798	0.05%	0.002%
60	6.960	6.937	6.985	VV	650	6928	0.08%	0.004%
61	7.001	6.985	7.024	PV	180	2480	0.03%	0.001%
62	7.065	7.037	7.090	VV	321	4878	0.06%	0.003%
63	7.119	7.090	7.134	VV	303	4666	0.06%	0.003%
64	7.137	7.134	7.166	VV	227	2021	0.02%	0.001%
65	7.186	7.166	7.200	VV	607	7024	0.08%	0.004%
66	7.217	7.200	7.248	VV	3223	47059	0.57%	0.028%
67	7.268	7.248	7.324	VV	15632	172185	2.08%	0.102%
68	7.366	7.324	7.441	VV	703659	6973837	84.30%	4.139%
69	7.453	7.441	7.466	VV	858	11485	0.14%	0.007%
70	7.479	7.466	7.489	VV	659	8656	0.10%	0.005%
71	7.503	7.489	7.517	VV	2090	22365	0.27%	0.013%
72	7.534	7.517	7.549	VV	3129	38205	0.46%	0.023%
73	7.565	7.549	7.580	VV	2926	36862	0.45%	0.022%
74	7.591	7.580	7.626	VV	1976	30971	0.37%	0.018%
75	7.642	7.626	7.660	VV	1887	22195	0.27%	0.013%
76	7.676	7.660	7.699	VV	1455	18479	0.22%	0.011%
77	7.715	7.699	7.720	VV	435	3771	0.05%	0.002%
78	7.738	7.720	7.754	VV	973	13790	0.17%	0.008%
79	7.768	7.754	7.799	VV	821	10845	0.13%	0.006%
80	7.803	7.799	7.822	VV	117	1214	0.01%	0.001%
81	7.852	7.822	7.877	VV	856	12084	0.15%	0.007%
82	7.893	7.877	7.906	VV	412	5129	0.06%	0.003%
83	7.911	7.906	7.923	VV	379	3215	0.04%	0.002%
84	7.942	7.923	7.960	VV	1095	13202	0.16%	0.008%
85	7.993	7.960	8.041	VV	728653	7174853	86.73%	4.258%
86	8.051	8.041	8.074	VV	1535	23829	0.29%	0.014%
87	8.092	8.074	8.149	VV	1251	38405	0.46%	0.023%
88	8.168	8.149	8.194	VV	522	9679	0.12%	0.006%
89	8.210	8.194	8.229	VV	356	5190	0.06%	0.003%

8

Instrument :
FID_F
ClientSampleId :
B-110-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

A B C D E F G H I J

rteres

90	8.253	8.229	8.276	VV	774	10958	0.13%	0.007%
91	8.293	8.276	8.298	VV	244	2549		
92	8.309	8.298	8.329	VV	321	4317		
93	8.338	8.329	8.356	VV	278	3580		
94	8.363	8.356	8.369	VV	194	1235		
95	8.374	8.369	8.401	VV	153	2133		
96	8.457	8.424	8.489	VV	507	9853	0.12%	0.006%
97	8.494	8.489	8.523	VV	197	2522	0.03%	0.001%
98	8.560	8.523	8.607	VV	96135	1008176	12.19%	0.598%
99	8.624	8.607	8.633	VV	232	3011	0.04%	0.002%
100	8.668	8.633	8.742	VV	777627	7852341	94.92%	4.660%
101	8.752	8.742	8.779	VV	1202	20499	0.25%	0.012%
102	8.794	8.779	8.824	VV	1104	19237	0.23%	0.011%
103	8.829	8.824	8.833	VV	378	1960	0.02%	0.001%
104	8.867	8.833	8.911	VV	448165	4587406	55.45%	2.722%
105	8.919	8.911	8.935	VV	2374	30892	0.37%	0.018%
106	8.968	8.935	9.041	VV	811390	8272601	100.00%	4.910%
107	9.046	9.041	9.064	VV	1424	18750	0.23%	0.011%
108	9.074	9.064	9.089	VV	1463	20360	0.25%	0.012%
109	9.098	9.089	9.107	VV	1364	14224	0.17%	0.008%
110	9.118	9.107	9.149	VV	1350	23250	0.28%	0.014%
111	9.163	9.149	9.189	VV	700	13105	0.16%	0.008%
112	9.197	9.189	9.204	VV	494	4153	0.05%	0.002%
113	9.215	9.204	9.223	VV	652	6649	0.08%	0.004%
114	9.242	9.223	9.260	VV	1527	21360	0.26%	0.013%
115	9.287	9.260	9.334	VV	54763	610941	7.39%	0.363%
116	9.339	9.334	9.348	VV	931	7119	0.09%	0.004%
117	9.364	9.348	9.380	VV	1806	23183	0.28%	0.014%
118	9.402	9.380	9.423	VV	1994	33564	0.41%	0.020%
119	9.437	9.423	9.461	VV	1511	20389	0.25%	0.012%
120	9.474	9.461	9.506	VV	603	7900	0.10%	0.005%
121	9.523	9.506	9.556	VV	389	5959	0.07%	0.004%
122	9.574	9.556	9.592	VV	555	7781	0.09%	0.005%
123	9.607	9.592	9.657	VV	470	9522	0.12%	0.006%
124	9.689	9.657	9.719	VV	416	9803	0.12%	0.006%
125	9.757	9.719	9.876	VV	768528	8209112	99.23%	4.872%
126	9.893	9.876	9.927	VV	767	18302	0.22%	0.011%
127	9.966	9.927	9.992	VV	11738	142931	1.73%	0.085%
128	10.001	9.992	10.009	VV	944	8361	0.10%	0.005%
129	10.033	10.009	10.130	VV	38708	466253	5.64%	0.277%
130	10.164	10.130	10.200	VV	92810	1028195	12.43%	0.610%
131	10.205	10.200	10.223	VV	339	4425	0.05%	0.003%
132	10.239	10.223	10.304	VV	411	12169	0.15%	0.007%
133	10.319	10.304	10.327	VV	203	2257	0.03%	0.001%
134	10.332	10.327	10.356	VV	207	2412	0.03%	0.001%
135	10.366	10.356	10.384	VV	246	2891	0.03%	0.002%
136	10.396	10.384	10.428	VV	239	3570	0.04%	0.002%
137	10.442	10.428	10.461	VV	291	3542	0.04%	0.002%
138	10.492	10.461	10.532	VV	454	11371	0.14%	0.007%
139	10.557	10.532	10.575	VV	437	8106	0.10%	0.005%
140	10.594	10.575	10.619	VV	462	8722	0.11%	0.005%
141	10.625	10.619	10.661	VV	356	6976	0.08%	0.004%

8

Instrument :
FID_F
ClientSampleId :
B-110-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

A B C D E F G H I J

rteres

142	10.685	10.661	10.707	VV	1093	14049	0.17%	0.008%
143	10.728	10.707	10.743	VV	316	4219		
144	10.768	10.743	10.779	VV	386	5698		
145	10.788	10.779	10.797	VV	490	3986		
146	10.800	10.797	10.806	VV	371	2051		
147	10.839	10.806	10.851	VV	587	12346		
148	10.858	10.851	10.879	VV	577	7213	0.09%	0.004%
149	10.904	10.879	10.934	VV	521	12891	0.16%	0.008%
150	10.962	10.934	11.005	VV	5710	77785	0.94%	0.046%
151	11.035	11.005	11.071	VV	1096	21979	0.27%	0.013%
152	11.077	11.071	11.082	VV	175	1031	0.01%	0.001%
153	11.162	11.082	11.204	VV	717806	8085177	97.73%	4.798%
154	11.238	11.204	11.301	VV	714081	8052998	97.35%	4.779%
155	11.308	11.301	11.378	VV	2115	59274	0.72%	0.035%
156	11.383	11.378	11.390	VV	647	3856	0.05%	0.002%
157	11.413	11.390	11.434	VV	694	13821	0.17%	0.008%
158	11.456	11.434	11.493	VV	1968	34273	0.41%	0.020%
159	11.498	11.493	11.514	VV	382	4144	0.05%	0.002%
160	11.541	11.514	11.564	VV	745	13540	0.16%	0.008%
161	11.608	11.564	11.645	VV	89650	1030829	12.46%	0.612%
162	11.654	11.645	11.659	VV	393	2885	0.03%	0.002%
163	11.686	11.659	11.727	VV	790	17332	0.21%	0.010%
164	11.733	11.727	11.745	VV	170	1166	0.01%	0.001%
165	11.770	11.745	11.784	VV	396	4586	0.06%	0.003%
166	11.803	11.784	11.835	PV	328	4872	0.06%	0.003%
167	11.843	11.835	11.858	VV	126	1053	0.01%	0.001%
168	11.930	11.858	11.982	PV	549537	6098525	73.72%	3.619%
169	11.999	11.982	12.010	VV	885	12537	0.15%	0.007%
170	12.027	12.010	12.049	VV	1244	20009	0.24%	0.012%
171	12.063	12.049	12.106	VV	1088	28907	0.35%	0.017%
172	12.110	12.106	12.127	VV	771	7925	0.10%	0.005%
173	12.137	12.127	12.187	VV	770	15089	0.18%	0.009%
174	12.271	12.187	12.301	VV	837	33631	0.41%	0.020%
175	12.331	12.301	12.357	VV	7305	93213	1.13%	0.055%
176	12.373	12.357	12.394	VV	825	11529	0.14%	0.007%
177	12.416	12.394	12.427	VV	384	5807	0.07%	0.003%
178	12.440	12.427	12.467	VV	438	7317	0.09%	0.004%
179	12.495	12.467	12.502	VV	864	12580	0.15%	0.007%
180	12.524	12.502	12.596	VV	5923	102060	1.23%	0.061%
181	12.604	12.596	12.617	VV	614	6510	0.08%	0.004%
182	12.641	12.617	12.646	VV	646	9453	0.11%	0.006%
183	12.652	12.646	12.677	VV	657	10623	0.13%	0.006%
184	12.683	12.677	12.692	VV	511	4288	0.05%	0.003%
185	12.696	12.692	12.700	VV	534	2191	0.03%	0.001%
186	12.713	12.700	12.727	VV	521	7487	0.09%	0.004%
187	12.780	12.727	12.830	VV	2642	53138	0.64%	0.032%
188	12.857	12.830	12.882	VV	1119	18845	0.23%	0.011%
189	12.919	12.882	12.947	VV	88738	1073402	12.98%	0.637%
190	12.985	12.947	13.098	VV	686548	7962928	96.26%	4.726%
191	13.110	13.098	13.137	VV	512	9706	0.12%	0.006%
192	13.164	13.137	13.234	VV	5433	79421	0.96%	0.047%
193	13.283	13.234	13.312	VV	649101	7806761	94.37%	4.633%
194	13.332	13.312	13.339	VV	7930	92205	1.11%	0.055%

Instrument :
FID_F
ClientSampleId :
B-110-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

					rteres			
195	13.365	13.339	13.402	VV	110178	1414821	17.10%	0.840%
196	13.406	13.402	13.461	VV	959	22286		
197	13.466	13.461	13.498	VV	456	9296		
198	13.531	13.498	13.565	VV	79636	991404	11	
199	13.586	13.565	13.643	VV	4076	80605		
200	13.647	13.643	13.697	VV	703	16258		
201	13.759	13.697	13.796	VV	2621	59230	0.72%	0.035%
202	13.799	13.796	13.847	VV	805	17348	0.21%	0.010%
203	13.869	13.847	13.886	VV	395	7404	0.09%	0.004%
204	13.910	13.886	13.923	VV	478	8175	0.10%	0.005%
205	13.935	13.923	13.952	VV	554	7962	0.10%	0.005%
206	13.955	13.952	13.970	VV	409	4271	0.05%	0.003%
207	13.979	13.970	14.014	VV	502	9610	0.12%	0.006%
208	14.023	14.014	14.039	VV	280	3596	0.04%	0.002%
209	14.071	14.039	14.089	VV	3573	48343	0.58%	0.029%
210	14.119	14.089	14.192	VV	77014	970839	11.74%	0.576%
211	14.225	14.192	14.262	VV	368	8405	0.10%	0.005%
212	14.279	14.262	14.286	VV	232	2031	0.02%	0.001%
213	14.352	14.301	14.360	VV	215	5065	0.06%	0.003%
214	14.366	14.360	14.402	VV	185	2699	0.03%	0.002%
215	14.407	14.402	14.430	VV	131	1465	0.02%	0.001%
216	14.459	14.430	14.474	PV	261	3523	0.04%	0.002%
217	14.478	14.474	14.488	VV	175	1095	0.01%	0.001%
218	14.512	14.488	14.531	VV	568	8934	0.11%	0.005%
219	14.557	14.531	14.616	VV	1548	29726	0.36%	0.018%
220	14.619	14.616	14.628	VV	234	1289	0.02%	0.001%
221	14.638	14.634	14.666	VV	248	3069	0.04%	0.002%
222	14.685	14.666	14.701	VV	343	4933	0.06%	0.003%
223	14.725	14.712	14.728	VV	195	1568	0.02%	0.001%
224	14.749	14.728	14.772	VV	440	7800	0.09%	0.005%
225	14.787	14.772	14.809	VV	463	6787	0.08%	0.004%
226	14.820	14.809	14.825	VV	325	3027	0.04%	0.002%
227	14.852	14.825	14.876	VV	413	8417	0.10%	0.005%
228	14.886	14.876	14.924	VV	221	4171	0.05%	0.002%
229	14.929	14.924	14.960	VV	181	2797	0.03%	0.002%
230	14.999	14.960	15.018	VV	311	6628	0.08%	0.004%
231	15.027	15.018	15.043	VV	320	3956	0.05%	0.002%
232	15.062	15.043	15.104	VV	735	12620	0.15%	0.007%
233	15.164	15.112	15.184	VV	527679	7190653	86.92%	4.267%
234	15.210	15.184	15.255	VV	612753	8107024	98.00%	4.811%
235	15.265	15.255	15.336	VV	2340	52121	0.63%	0.031%
236	15.340	15.336	15.346	VV	484	2397	0.03%	0.001%
237	15.350	15.346	15.372	VV	420	5335	0.06%	0.003%
238	15.402	15.372	15.414	VV	792	11816	0.14%	0.007%
239	15.427	15.414	15.479	VV	420	10673	0.13%	0.006%
240	15.481	15.479	15.493	VV	209	1451	0.02%	0.001%
241	15.520	15.493	15.558	VV	673	12906	0.16%	0.008%
242	15.600	15.566	15.682	VV	16727	281292	3.40%	0.167%
243	15.685	15.682	15.699	VV	608	5295	0.06%	0.003%
244	15.705	15.699	15.726	VV	518	6926	0.08%	0.004%
245	15.761	15.726	15.790	VV	1700	31768	0.38%	0.019%
246	15.803	15.790	15.829	VV	383	6745	0.08%	0.004%

Instrument :
FID_F
ClientSampleId :
B-110-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

					rteres			
247	15.842	15.829	15.853	VV	292	3472	0.04%	0.002%
248	15.867	15.853	15.935	VV	355	11410		
249	15.954	15.935	15.979	VV	396	7093		
250	15.987	15.979	15.994	VV	179	1243		
251	16.008	16.004	16.015	VV	240	1313		
252	16.024	16.015	16.036	VV	229	2328		
253	16.053	16.036	16.057	VV	259	2975	0.04%	0.002%
254	16.077	16.057	16.101	VV	637	11289	0.14%	0.007%
255	16.104	16.101	16.110	VV	713	2423	0.03%	0.001%
256	16.121	16.110	16.144	VV	523	8342	0.10%	0.005%
257	16.163	16.144	16.170	VV	289	3820	0.05%	0.002%
258	16.177	16.170	16.184	VV	311	2230	0.03%	0.001%
259	16.248	16.184	16.284	VV	65982	882737	10.67%	0.524%
260	16.301	16.284	16.346	VV	490	8092	0.10%	0.005%
261	16.361	16.346	16.372	VV	105	1078	0.01%	0.001%
262	16.389	16.372	16.416	VV	243	3128	0.04%	0.002%
263	16.431	16.427	16.458	VV	187	1725	0.02%	0.001%
264	16.480	16.458	16.513	VV	262	4665	0.06%	0.003%
265	16.618	16.579	16.668	VV	1320	26432	0.32%	0.016%
266	16.725	16.668	16.740	VV	448723	7063902	85.39%	4.192%
267	16.761	16.740	16.795	VV	569081	7036349	85.06%	4.176%
268	16.811	16.795	16.840	VV	2828	47841	0.58%	0.028%
269	16.864	16.840	16.907	VV	1828	41391	0.50%	0.025%
270	16.912	16.907	16.943	VV	729	11842	0.14%	0.007%
271	16.968	16.943	17.006	VV	2250	34956	0.42%	0.021%
272	17.039	17.006	17.045	VV	471	7423	0.09%	0.004%
273	17.048	17.045	17.055	VV	379	2287	0.03%	0.001%
274	17.108	17.055	17.161	VV	498111	6773203	81.88%	4.020%
275	17.196	17.161	17.230	VV	64542	919527	11.12%	0.546%
276	17.247	17.230	17.332	VV	2073	42064	0.51%	0.025%
277	17.335	17.332	17.361	VV	161	1611	0.02%	0.001%
278	17.386	17.373	17.411	VV	140	1773	0.02%	0.001%
279	17.439	17.411	17.454	VV	174	1758	0.02%	0.001%
280	17.488	17.454	17.499	PV	133	2046	0.02%	0.001%
281	17.530	17.499	17.546	VV	439	7586	0.09%	0.005%
282	17.565	17.546	17.590	VV	634	12596	0.15%	0.007%
283	17.599	17.590	17.614	VV	464	5334	0.06%	0.003%
284	17.618	17.614	17.622	VV	362	1756	0.02%	0.001%
285	17.648	17.622	17.690	VV	1539	26761	0.32%	0.016%
286	17.737	17.707	17.795	PV	456	12461	0.15%	0.007%
287	17.817	17.795	17.852	VV	322	7079	0.09%	0.004%
288	17.868	17.852	17.879	VV	172	2075	0.03%	0.001%
289	17.886	17.879	17.897	VV	169	1237	0.01%	0.001%
290	17.915	17.897	17.924	VV	138	1822	0.02%	0.001%
291	17.982	17.924	18.002	VV	762	16618	0.20%	0.010%
292	18.007	18.002	18.027	VV	241	2889	0.03%	0.002%
293	18.088	18.027	18.126	VV	60344	831386	10.05%	0.493%
294	18.177	18.126	18.220	VV	2187	36281	0.44%	0.022%
295	18.258	18.220	18.296	VV	288	7862	0.10%	0.005%
296	18.319	18.296	18.344	PV	258	3305	0.04%	0.002%
297	18.368	18.344	18.390	PV	413	5715	0.07%	0.003%
298	18.481	18.390	18.497	PV	462135	7363170	89.01%	4.370%
299	18.519	18.497	18.684	VV	489833	6632408	80.17%	3.936%

8

Instrument :
FID_F
ClientSampleId :
B-110-SB01MS

A B C D E F G H I J

```
                                        rteres
 300 18.740  18.684  18.801  PBA  485243   7006471  84.69%  4.158%

                        Sum of corrected areas:   1685

Aromatic EPH 011425.M Wed Jan 29 02:05:23 2025
```

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015191.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 19:40
Operator : YP\AJ
Sample : Q1194-01MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
B-110-SB01MS

Integration File: autoint1.e
Quant Time: Jan 29 02:37:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	13.385	4847143	39.808 ug/ml
Spiked Amount	50.000		Recovery =	79.62%
	Target Compounds			
1) T	n-Nonane (C9)	3.281	3730914	28.736 ug/ml
2) T	n-Decane (C10)	4.541	4756590	35.793 ug/ml
4) T	n-Dodecane (C12)	6.722	5612876	41.289 ug/ml
6) T	n-Tetradecane (C14)	8.559	6290182	45.739 ug/ml
7) T	n-Hexadecane (C16)	10.174	6712000	46.323 ug/ml
8) T	n-Octadecane (C18)	11.624	6948170	46.749 ug/ml
10) T	n-Eicosane (C20)	12.940	7125441	49.642 ug/ml
11) T	n-Heneicosane (C21)	13.555	6818547	48.224 ug/ml
13) T	n-Docosane (C22)	14.143	6772241	48.166 ug/ml
14) T	n-Tetracosane (C24)	15.251	6619118	47.557 ug/ml
15) T	n-Hexacosane (C26)	16.276	6410510	47.328 ug/ml
16) T	n-Octacosane (C28)	17.229	6194656	47.073 ug/ml
17) T	n-Tricontane (C30)	18.118	6124531	46.168 ug/ml
18) T	n-Dotriacontane (C32)	18.954	5922884	46.961 ug/ml
19) T	n-Tetratriacontane (C34)	19.739	5666885	52.046 ug/ml
20) T	n-Hexatriacontane (C36)	20.480	5273947	56.489 ug/ml
21) T	n-Octatriacontane (C38)	21.229	4972769	56.667 ug/ml
22) T	n-Tetracontane (C40)	22.168	4716890	55.648 ug/ml

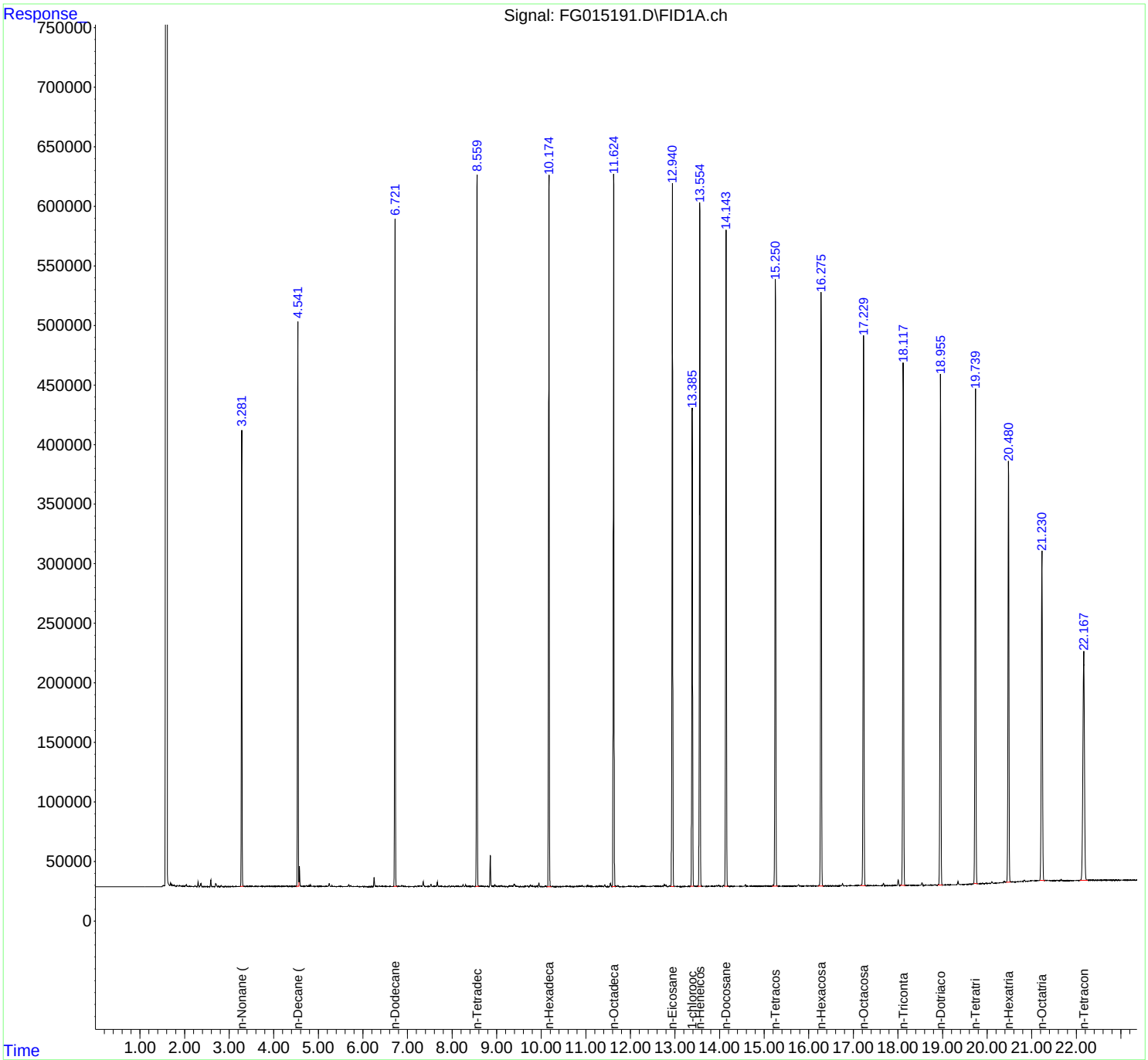
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015191.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 19:40
Operator : YP\AJ
Sample : Q1194-01MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
B-110-SB01MS

Integration File: autoint1.e
Quant Time: Jan 29 02:37:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015191.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 19:40
Sample : Q1194-01MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.281	3.222	3.382	BV	383525	3740095	52.44%	3.235%
2	3.395	3.382	3.404	VV	115	1273	0.02%	0.001%
3	3.428	3.404	3.442	VV	270	3594	0.05%	0.003%
4	3.455	3.442	3.485	VV	165	3246	0.05%	0.003%
5	3.494	3.485	3.514	VV	173	2629	0.04%	0.002%
6	3.525	3.514	3.552	VV	214	3068	0.04%	0.003%
7	3.565	3.552	3.579	VV	142	1845	0.03%	0.002%
8	3.598	3.579	3.608	VV	294	3258	0.05%	0.003%
9	3.618	3.608	3.642	VV	299	4290	0.06%	0.004%
10	3.656	3.642	3.668	VV	345	3906	0.05%	0.003%
11	3.674	3.668	3.710	VV	259	3540	0.05%	0.003%
12	3.730	3.710	3.744	VV	187	2529	0.04%	0.002%
13	3.762	3.744	3.836	VV	454	7812	0.11%	0.007%
14	3.877	3.836	3.908	VV	410	6909	0.10%	0.006%
15	3.914	3.908	3.940	VV	112	1501	0.02%	0.001%
16	3.965	3.940	4.034	VV	189	5978	0.08%	0.005%
17	4.080	4.034	4.098	VV	333	5938	0.08%	0.005%
18	4.113	4.098	4.152	VV	651	8610	0.12%	0.007%
19	4.191	4.152	4.232	VV	278	6667	0.09%	0.006%
20	4.283	4.232	4.343	VV	560	16950	0.24%	0.015%
21	4.377	4.343	4.417	VV	189	6305	0.09%	0.005%
22	4.449	4.417	4.465	VV	249	5299	0.07%	0.005%
23	4.487	4.465	4.505	VV	209	4286	0.06%	0.004%
24	4.541	4.505	4.565	VV	475595	4767251	66.85%	4.123%
25	4.577	4.565	4.645	VV	16889	171817	2.41%	0.149%
26	4.668	4.645	4.702	VV	414	8722	0.12%	0.008%
27	4.730	4.702	4.750	VV	852	12282	0.17%	0.011%
28	4.760	4.750	4.773	VV	326	3642	0.05%	0.003%
29	4.793	4.773	4.809	VV	712	9040	0.13%	0.008%
30	4.827	4.809	4.875	VV	1335	19963	0.28%	0.017%
31	4.886	4.875	4.895	VV	262	2891	0.04%	0.003%
32	4.906	4.895	4.942	VV	285	6533	0.09%	0.006%
33	4.955	4.942	4.971	VV	273	4368	0.06%	0.004%
34	5.011	4.971	5.024	VV	260	6561	0.09%	0.006%
35	5.043	5.024	5.140	VV	282	11906	0.17%	0.010%
36	5.160	5.140	5.197	VV	274	5721	0.08%	0.005%

rteres

37	5.245	5.197	5.281	VV	2646	39251	0.55%	0.034%
38	5.307	5.281	5.342	VV	608	9499	0.13%	0.008%
39	5.356	5.342	5.422	VV	172	4712	0.07%	0.004%
40	5.453	5.422	5.472	VV	238	4033	0.06%	0.003%
41	5.494	5.472	5.538	VV	256	6089	0.09%	0.005%
42	5.585	5.538	5.611	VV	160	5255	0.07%	0.005%
43	5.622	5.611	5.632	VV	156	1513	0.02%	0.001%
44	5.648	5.632	5.659	VV	215	2180	0.03%	0.002%
45	5.684	5.659	5.707	VV	1780	21094	0.30%	0.018%
46	5.728	5.707	5.775	VV	950	13801	0.19%	0.012%
47	5.788	5.775	5.805	VV	277	3331	0.05%	0.003%
48	5.817	5.805	5.844	VV	147	2817	0.04%	0.002%
49	5.869	5.844	5.908	VV	213	5535	0.08%	0.005%
50	5.914	5.908	5.930	VV	116	1137	0.02%	0.001%
51	5.998	5.930	6.018	VV	203	5413	0.08%	0.005%
52	6.027	6.018	6.062	VV	91	1651	0.02%	0.001%
53	6.070	6.062	6.105	VV	92	2058	0.03%	0.002%
54	6.115	6.105	6.152	VV	84	1392	0.02%	0.001%
55	6.170	6.152	6.222	PV	93	2049	0.03%	0.002%
56	6.252	6.222	6.299	VV	7766	86887	1.22%	0.075%
57	6.319	6.299	6.341	VV	407	7143	0.10%	0.006%
58	6.363	6.341	6.392	VV	756	11217	0.16%	0.010%
59	6.403	6.392	6.410	VV	204	2108	0.03%	0.002%
60	6.430	6.410	6.463	VV	476	8909	0.12%	0.008%
61	6.504	6.463	6.578	VV	357	15116	0.21%	0.013%
62	6.604	6.578	6.667	VV	292	8950	0.13%	0.008%
63	6.721	6.667	6.785	VV	561433	5629991	78.94%	4.869%
64	6.807	6.785	6.826	VV	616	9243	0.13%	0.008%
65	6.844	6.826	6.856	VV	379	5175	0.07%	0.004%
66	6.875	6.856	6.896	VV	1159	14518	0.20%	0.013%
67	6.908	6.896	6.932	VV	400	5191	0.07%	0.004%
68	6.950	6.932	6.971	VV	475	6229	0.09%	0.005%
69	7.008	6.971	7.025	VV	147	3965	0.06%	0.003%
70	7.049	7.025	7.072	VV	255	4429	0.06%	0.004%
71	7.088	7.072	7.151	VV	196	6671	0.09%	0.006%
72	7.177	7.151	7.207	VV	561	8256	0.12%	0.007%
73	7.232	7.207	7.248	VV	721	10505	0.15%	0.009%
74	7.256	7.248	7.269	VV	539	5686	0.08%	0.005%
75	7.294	7.269	7.325	VV	625	13699	0.19%	0.012%
76	7.354	7.325	7.386	VV	4251	55394	0.78%	0.048%
77	7.398	7.386	7.421	VV	386	6163	0.09%	0.005%
78	7.444	7.421	7.483	VV	411	9753	0.14%	0.008%
79	7.527	7.483	7.562	VV	2080	27918	0.39%	0.024%
80	7.603	7.562	7.620	VV	324	8632	0.12%	0.007%
81	7.636	7.620	7.647	VV	492	5446	0.08%	0.005%
82	7.670	7.647	7.696	VV	3815	43735	0.61%	0.038%
83	7.705	7.696	7.717	VV	254	2676	0.04%	0.002%
84	7.734	7.717	7.750	VV	396	5681	0.08%	0.005%
85	7.763	7.750	7.783	VV	499	6161	0.09%	0.005%
86	7.793	7.783	7.808	VV	174	2176	0.03%	0.002%
87	7.844	7.808	7.908	VV	293	10776	0.15%	0.009%
88	7.937	7.908	7.968	VV	877	12201	0.17%	0.011%
89	7.986	7.968	7.995	VV	266	3020	0.04%	0.003%

rteres

90	8.009	7.995	8.055	VV	304	8253	0.12%	0.007%
91	8.102	8.055	8.119	VV	345	8402	0.12%	0.007%
92	8.134	8.119	8.148	VV	438	5817	0.08%	0.005%
93	8.160	8.148	8.184	VV	367	5703	0.08%	0.005%
94	8.202	8.184	8.228	VV	505	7320	0.10%	0.006%
95	8.247	8.228	8.273	VV	1752	21482	0.30%	0.019%
96	8.304	8.273	8.326	VV	1461	18354	0.26%	0.016%
97	8.341	8.326	8.361	VV	303	4973	0.07%	0.004%
98	8.375	8.361	8.395	VV	511	5957	0.08%	0.005%
99	8.407	8.395	8.440	VV	275	5252	0.07%	0.005%
100	8.461	8.440	8.486	VV	744	9993	0.14%	0.009%
101	8.495	8.486	8.521	VV	208	3833	0.05%	0.003%
102	8.559	8.521	8.632	VV	592777	6307742	88.45%	5.455%
103	8.658	8.632	8.688	VV	806	16669	0.23%	0.014%
104	8.706	8.688	8.727	VV	497	7387	0.10%	0.006%
105	8.754	8.727	8.778	VV	424	8008	0.11%	0.007%
106	8.792	8.778	8.821	VV	565	7457	0.10%	0.006%
107	8.858	8.821	8.933	VV	26044	281991	3.95%	0.244%
108	8.959	8.933	8.998	VV	1897	28414	0.40%	0.025%
109	9.018	8.998	9.036	VV	452	8630	0.12%	0.007%
110	9.051	9.036	9.078	VV	536	9104	0.13%	0.008%
111	9.100	9.078	9.145	VV	998	20850	0.29%	0.018%
112	9.165	9.145	9.194	VV	378	5506	0.08%	0.005%
113	9.216	9.194	9.237	PV	326	4333	0.06%	0.004%
114	9.284	9.237	9.303	VV	962	16528	0.23%	0.014%
115	9.323	9.303	9.351	VV	825	16135	0.23%	0.014%
116	9.401	9.351	9.455	VV	1926	53992	0.76%	0.047%
117	9.475	9.455	9.501	VV	537	7819	0.11%	0.007%
118	9.525	9.501	9.562	VV	389	5628	0.08%	0.005%
119	9.580	9.562	9.592	VV	198	2540	0.04%	0.002%
120	9.630	9.592	9.638	VV	379	7387	0.10%	0.006%
121	9.646	9.638	9.662	VV	318	3768	0.05%	0.003%
122	9.689	9.662	9.729	VV	726	13889	0.19%	0.012%
123	9.760	9.729	9.790	VV	1595	25631	0.36%	0.022%
124	9.808	9.790	9.839	VV	904	12792	0.18%	0.011%
125	9.853	9.839	9.874	VV	305	4129	0.06%	0.004%
126	9.905	9.874	9.928	VV	855	14611	0.20%	0.013%
127	9.949	9.928	9.985	VV	3185	36986	0.52%	0.032%
128	10.009	9.985	10.024	VV	226	2961	0.04%	0.003%
129	10.104	10.024	10.131	VV	626	16456	0.23%	0.014%
130	10.174	10.131	10.225	VV	601770	6717616	94.19%	5.810%
131	10.244	10.225	10.308	VV	383	11429	0.16%	0.010%
132	10.320	10.308	10.333	VV	150	1756	0.02%	0.002%
133	10.344	10.333	10.364	VV	166	1875	0.03%	0.002%
134	10.378	10.364	10.407	VV	79	1036	0.01%	0.001%
135	10.451	10.407	10.468	VV	225	4068	0.06%	0.004%
136	10.494	10.468	10.532	VV	330	8214	0.12%	0.007%
137	10.567	10.532	10.585	VV	601	11511	0.16%	0.010%
138	10.604	10.585	10.624	VV	451	7231	0.10%	0.006%
139	10.655	10.624	10.675	VV	322	7561	0.11%	0.007%
140	10.687	10.675	10.728	VV	273	5500	0.08%	0.005%
141	10.731	10.728	10.745	VV	198	1434	0.02%	0.001%

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142	10.777	10.745	10.789	VV	440	7414	0.10%	0.006%
143	10.804	10.789	10.827	VV	381	7285	0.10%	0.006%
144	10.849	10.827	10.882	VV	586	13558	0.19%	0.012%
145	10.913	10.882	10.953	VV	874	20180	0.28%	0.017%
146	10.972	10.953	10.985	VV	420	6659	0.09%	0.006%
147	10.994	10.985	11.015	VV	447	7160	0.10%	0.006%
148	11.044	11.015	11.077	VV	1189	20755	0.29%	0.018%
149	11.102	11.077	11.163	VV	321	13258	0.19%	0.011%
150	11.199	11.163	11.214	VV	253	5616	0.08%	0.005%
151	11.242	11.214	11.265	VV	430	8274	0.12%	0.007%
152	11.287	11.265	11.320	VV	502	10715	0.15%	0.009%
153	11.342	11.320	11.390	VV	629	13687	0.19%	0.012%
154	11.424	11.390	11.463	VV	1725	23650	0.33%	0.020%
155	11.476	11.463	11.493	VV	176	1875	0.03%	0.002%
156	11.551	11.493	11.585	VV	2773	38776	0.54%	0.034%
157	11.624	11.585	11.685	VV	599731	6959787	97.59%	6.019%
158	11.716	11.685	11.772	VV	933	16876	0.24%	0.015%
159	11.776	11.772	11.794	VV	168	1177	0.02%	0.001%
160	11.852	11.794	11.860	PV	149	3894	0.05%	0.003%
161	11.864	11.860	11.878	VV	139	833	0.01%	0.001%
162	11.889	11.878	11.898	VV	71	629	0.01%	0.001%
163	11.975	11.898	11.988	VV	291	12255	0.17%	0.011%
164	12.012	11.988	12.053	VV	485	11384	0.16%	0.010%
165	12.079	12.053	12.125	VV	418	10763	0.15%	0.009%
166	12.146	12.125	12.162	VV	154	2686	0.04%	0.002%
167	12.230	12.162	12.238	VV	252	8566	0.12%	0.007%
168	12.287	12.238	12.315	VV	771	22223	0.31%	0.019%
169	12.336	12.315	12.367	VV	374	8014	0.11%	0.007%
170	12.385	12.367	12.408	VV	286	5066	0.07%	0.004%
171	12.427	12.408	12.438	VV	341	5094	0.07%	0.004%
172	12.449	12.438	12.475	VV	370	5849	0.08%	0.005%
173	12.512	12.475	12.552	VV	790	21544	0.30%	0.019%
174	12.580	12.552	12.604	VV	536	11622	0.16%	0.010%
175	12.626	12.604	12.653	VV	469	9331	0.13%	0.008%
176	12.760	12.653	12.781	VV	1936	45612	0.64%	0.039%
177	12.797	12.781	12.832	VV	1230	18140	0.25%	0.016%
178	12.835	12.832	12.845	VV	129	646	0.01%	0.001%
179	12.876	12.845	12.899	VV	955	13154	0.18%	0.011%
180	12.940	12.899	12.982	VV	591813	7131731	100.00%	6.168%
181	12.999	12.982	13.026	VV	378	6716	0.09%	0.006%
182	13.054	13.026	13.134	VV	267	5983	0.08%	0.005%
183	13.197	13.134	13.247	PV	185	5936	0.08%	0.005%
184	13.259	13.247	13.277	VV	146	1652	0.02%	0.001%
185	13.308	13.277	13.325	VV	251	4086	0.06%	0.004%
186	13.385	13.325	13.421	VV	401128	4858652	68.13%	4.202%
187	13.440	13.421	13.465	VV	399	7902	0.11%	0.007%
188	13.496	13.465	13.512	VV	343	7279	0.10%	0.006%
189	13.554	13.512	13.705	VV	577994	6848611	96.03%	5.923%
190	13.713	13.705	13.725	VV	145	1673	0.02%	0.001%
191	13.755	13.725	13.791	VV	316	9299	0.13%	0.008%
192	13.835	13.791	13.874	VV	423	13627	0.19%	0.012%
193	13.897	13.874	13.908	VV	312	4406	0.06%	0.004%
194	13.930	13.908	13.955	VV	734	11797	0.17%	0.010%

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195	13.982	13.955	14.025	VV	1149	20603	0.29%	0.018%
196	14.088	14.025	14.103	VV	938	18020	0.25%	0.016%
197	14.143	14.103	14.255	VV	548166	6787340	95.17%	5.870%
198	14.268	14.255	14.315	VV	157	2337	0.03%	0.002%
199	14.380	14.315	14.395	PV	209	6724	0.09%	0.006%
200	14.409	14.395	14.426	VV	145	2364	0.03%	0.002%
201	14.439	14.426	14.455	VV	143	1602	0.02%	0.001%
202	14.471	14.455	14.495	VV	179	2939	0.04%	0.003%
203	14.509	14.495	14.525	VV	164	1924	0.03%	0.002%
204	14.533	14.525	14.545	VV	155	1645	0.02%	0.001%
205	14.576	14.545	14.663	VV	1429	28440	0.40%	0.025%
206	14.703	14.663	14.745	VV	505	10745	0.15%	0.009%
207	14.764	14.745	14.778	VV	205	3086	0.04%	0.003%
208	14.844	14.778	14.886	VV	278	13729	0.19%	0.012%
209	14.905	14.886	14.934	VV	247	5830	0.08%	0.005%
210	15.022	14.934	15.080	VV	303	20343	0.29%	0.018%
211	15.102	15.080	15.165	VV	320	8561	0.12%	0.007%
212	15.250	15.165	15.398	VV	515617	6636331	93.05%	5.739%
213	15.420	15.398	15.478	VV	171	5562	0.08%	0.005%
214	15.491	15.478	15.603	VV	101	4817	0.07%	0.004%
215	15.674	15.603	15.705	PV	295	6751	0.09%	0.006%
216	15.769	15.705	15.848	VV	1367	26391	0.37%	0.023%
217	15.863	15.848	15.886	VV	107	1526	0.02%	0.001%
218	15.949	15.886	16.022	VV	273	11146	0.16%	0.010%
219	16.085	16.022	16.105	VV	263	8191	0.11%	0.007%
220	16.132	16.105	16.194	VV	288	9254	0.13%	0.008%
221	16.275	16.194	16.355	VV	494705	6422192	90.05%	5.554%
222	16.367	16.355	16.392	VV	97	1024	0.01%	0.001%
223	16.446	16.392	16.475	PV	179	4405	0.06%	0.004%
224	16.489	16.475	16.542	VV	114	3100	0.04%	0.003%
225	16.596	16.542	16.612	VV	100	4567	0.06%	0.004%
226	16.639	16.612	16.674	VV	151	3794	0.05%	0.003%
227	16.756	16.674	16.857	VV	2006	36731	0.52%	0.032%
228	16.918	16.857	16.982	VV	304	13294	0.19%	0.011%
229	16.991	16.982	17.005	VV	194	2341	0.03%	0.002%
230	17.062	17.005	17.085	VV	373	11092	0.16%	0.010%
231	17.107	17.085	17.141	VV	526	13913	0.20%	0.012%
232	17.228	17.141	17.302	VV	460503	6214934	87.14%	5.375%
233	17.317	17.302	17.352	VV	221	4608	0.06%	0.004%
234	17.376	17.352	17.415	VV	170	4167	0.06%	0.004%
235	17.460	17.415	17.492	VV	122	4095	0.06%	0.004%
236	17.514	17.492	17.538	VV	128	2713	0.04%	0.002%
237	17.557	17.538	17.588	VV	135	1827	0.03%	0.002%
238	17.675	17.588	17.748	PV	2028	32328	0.45%	0.028%
239	17.782	17.748	17.801	PV	187	3513	0.05%	0.003%
240	17.821	17.801	17.858	VV	203	4414	0.06%	0.004%
241	17.911	17.858	17.975	VV	283	12247	0.17%	0.011%
242	18.005	17.975	18.042	VV	4884	72182	1.01%	0.062%
243	18.118	18.042	18.178	VV	440516	6135417	86.03%	5.306%
244	18.207	18.178	18.232	VV	268	5267	0.07%	0.005%
245	18.256	18.232	18.365	VV	259	10690	0.15%	0.009%
246	18.395	18.365	18.418	PV	208	4484	0.06%	0.004%

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247	18.435	18.418	18.458	VV	114	2139	0.03%	0.002%
248	18.538	18.458	18.576	VV	2319	37687	0.53%	0.033%
249	18.624	18.576	18.648	VV	166	4189	0.06%	0.004%
250	18.664	18.648	18.700	VV	93	2016	0.03%	0.002%
251	18.744	18.700	18.765	PV	148	3776	0.05%	0.003%
252	18.801	18.765	18.822	VV	195	5347	0.07%	0.005%
253	18.838	18.822	18.862	VV	195	3999	0.06%	0.003%
254	18.953	18.862	19.022	VV	425850	5928157	83.12%	5.127%
255	19.094	19.022	19.135	PV	114	5138	0.07%	0.004%
256	19.207	19.135	19.228	VV	89	3663	0.05%	0.003%
257	19.247	19.228	19.265	VV	63	1241	0.02%	0.001%
258	19.347	19.265	19.400	PV	2130	33170	0.47%	0.029%
259	19.521	19.400	19.562	VV	144	7265	0.10%	0.006%
260	19.738	19.562	19.812	VV	414660	5708399	80.04%	4.937%
261	19.849	19.812	19.872	VV	301	8543	0.12%	0.007%
262	19.893	19.872	19.938	VV	460	12185	0.17%	0.011%
263	19.988	19.938	20.005	VV	335	11073	0.16%	0.010%
264	20.034	20.005	20.064	VV	380	9924	0.14%	0.009%
265	20.110	20.064	20.185	VV	1416	34406	0.48%	0.030%
266	20.380	20.185	20.412	VV	1355	73090	1.02%	0.063%
267	20.479	20.412	20.594	VV	352956	5360823	75.17%	4.636%
268	20.749	20.594	20.775	VV	994	93656	1.31%	0.081%
269	20.835	20.775	20.872	VV	2108	71877	1.01%	0.062%
270	21.019	20.872	21.062	VV	1427	129682	1.82%	0.112%
271	21.129	21.062	21.145	VV	1302	61362	0.86%	0.053%
272	21.229	21.145	21.521	VV	274146	5212511	73.09%	4.508%
273	21.564	21.521	21.612	VV	799	38068	0.53%	0.033%
274	21.664	21.612	21.762	VV	1164	57562	0.81%	0.050%
275	21.892	21.762	21.938	VV	308	34944	0.49%	0.030%
276	22.035	21.938	22.055	VV	358	20838	0.29%	0.018%
277	22.167	22.055	22.288	VV	191927	4749867	66.60%	4.108%
278	22.305	22.288	22.395	VV	202	6087	0.09%	0.005%

Sum of corrected areas: 115630147

Aliphatic EPH 011425.M Wed Jan 29 03:45:05 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015335.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 20:08
Operator : YP\AJ
Sample : Q1194-01MSD
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
B-110-SB01MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
Quant Time: Jan 29 00:50:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.992	7289072	55.220 ug/ml
	Spiked Amount 50.000		Recovery = 110.44%	
6)	S 2-Flurobiphenyl (SURR)	8.866	4671163	55.340 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 110.68%	
11)	S ortho-Terphenyl (SURR)	11.929	6186547	35.938 ug/ml
	Spiked Amount 50.000		Recovery = 71.88%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.603	6277986	39.139 ug/ml
2)	T Naphthalene (C11.7)	6.271	7257624	45.265 ug/ml
3)	T 2-Methylnaphthalene (...	7.366	7060308	44.400 ug/ml
5)	T Acenaphthylene (C15.06)	8.668	7957805	50.081 ug/ml
7)	T Acenaphthene (C15.5)	8.968	8365219	51.301 ug/ml
8)	T Flouorene (C16.55)	9.756	8334685	52.933 ug/ml
9)	T Phenanthrene (C19.36)	11.162	8051558	50.428 ug/ml
10)	T Anthracene (C19.43)	11.238	8068890	54.652 ug/ml
12)	T Fluoranthene (C21.85)	12.984	8092886	48.919 ug/ml
13)	T Pyrene (C20.8)	13.283	7951215	49.088 ug/ml
14)	T Benzo[a]anthracene (C...	15.164	7331804	49.147 ug/ml
15)	T Chrysene (C27.41)	15.210	8207987	52.843 ug/ml
16)	T benzo[b]fluoranthene ...	16.724	7192638	48.604 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.761	7106098	50.259 ug/mlm
18)	T Benzo[a]pyrene (C31.34)	17.106	6881960	48.437 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.481	7529449	59.754 ug/ml
20)	T Dibenz[a,h]anthracene...	18.520	6811828	46.041 ug/mlm
21)	T Benzo[g,h,i]perylene ...	18.740	7111202	52.679 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AR\
Data File : FF015335.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 20:08
Operator : YP\AJ
Sample : Q1194-01MSD
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
B-110-SB01MSD

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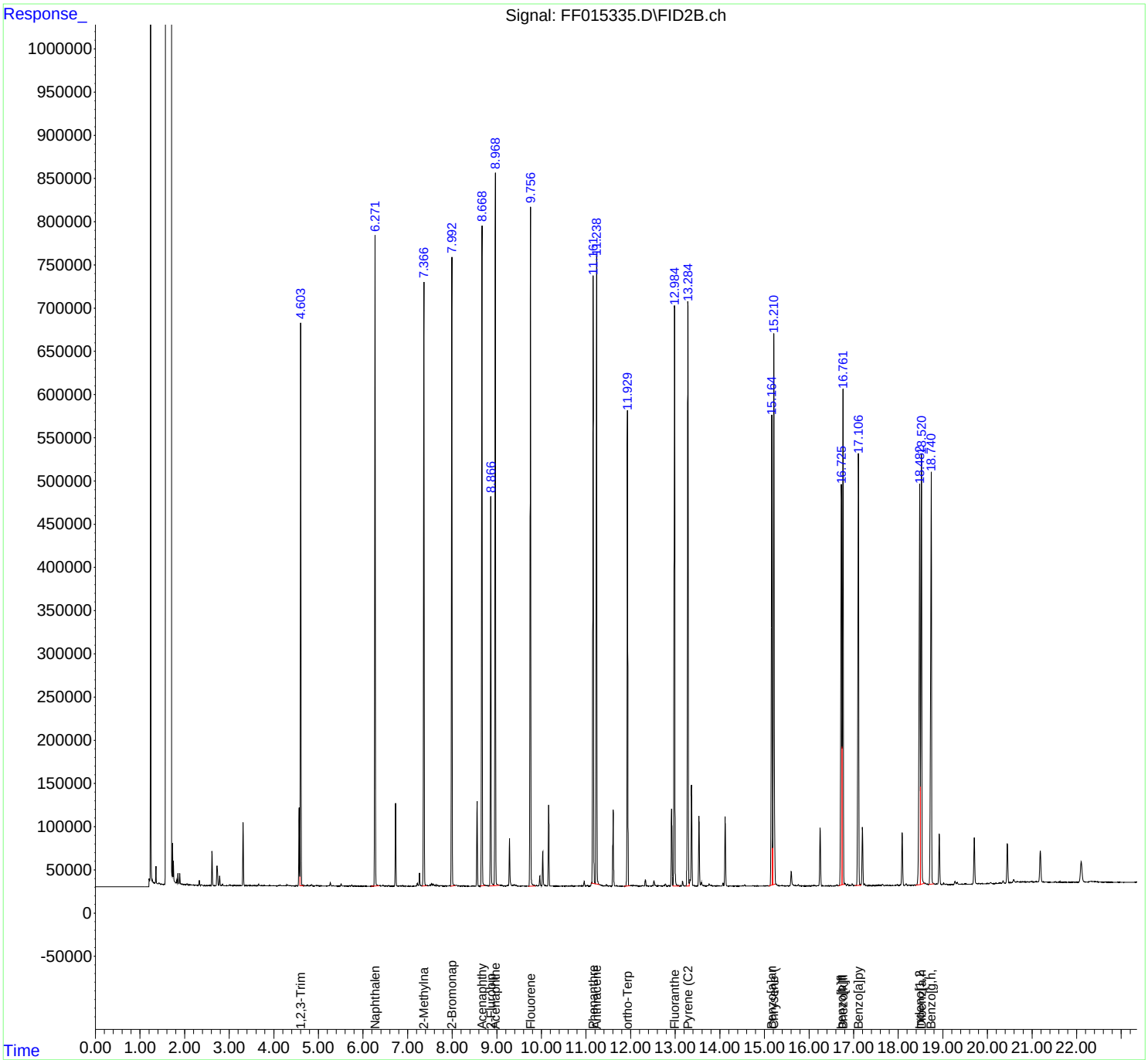
Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
Quant Time: Jan 29 00:50:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Wed Jan 15 07:05:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



Instrument :
FID_F
ClientSampleId :
B-110-SB01MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF01282
Data File : FF015335.D
Signal(s) : FID2B.ch
Acq On : 28 Jan 2025 20:08
Sample : Q1194-01MSD
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.455	4.443	4.485	VV	146	2197	0.03%	0.001%
2	4.510	4.485	4.537	PV	280	4585	0.05%	0.003%
3	4.568	4.537	4.582	VV	90476	867542	10.30%	0.505%
4	4.603	4.582	4.672	VV	649907	6286396	74.62%	3.658%
5	4.693	4.672	4.715	VV	503	8662	0.10%	0.005%
6	4.756	4.715	4.776	VV	1274	19446	0.23%	0.011%
7	4.788	4.776	4.802	VV	306	3385	0.04%	0.002%
8	4.819	4.802	4.833	VV	1066	11144	0.13%	0.006%
9	4.852	4.833	4.887	VV	1751	20814	0.25%	0.012%
10	4.892	4.887	4.898	VV	214	1054	0.01%	0.001%
11	4.939	4.898	4.968	VV	634	16454	0.20%	0.010%
12	4.981	4.968	5.024	VV	490	10488	0.12%	0.006%
13	5.030	5.024	5.043	VV	276	2529	0.03%	0.001%
14	5.059	5.043	5.081	VV	618	8418	0.10%	0.005%
15	5.085	5.081	5.112	VV	182	2262	0.03%	0.001%
16	5.117	5.112	5.131	VV	130	1192	0.01%	0.001%
17	5.150	5.141	5.165	VV	151	1657	0.02%	0.001%
18	5.182	5.165	5.207	VV	371	5077	0.06%	0.003%
19	5.243	5.214	5.250	VV	663	9247	0.11%	0.005%
20	5.268	5.250	5.308	VV	4162	49931	0.59%	0.029%
21	5.329	5.308	5.369	VV	806	11497	0.14%	0.007%
22	5.384	5.369	5.406	VV	170	2962	0.04%	0.002%
23	5.473	5.430	5.490	PV	271	4114	0.05%	0.002%
24	5.510	5.490	5.557	VV	2742	32931	0.39%	0.019%
25	5.577	5.557	5.592	VV	222	3406	0.04%	0.002%
26	5.612	5.607	5.640	VV	138	1781	0.02%	0.001%
27	5.666	5.640	5.684	VV	209	3325	0.04%	0.002%
28	5.702	5.684	5.724	VV	765	8273	0.10%	0.005%
29	5.747	5.724	5.768	VV	1342	15398	0.18%	0.009%
30	5.780	5.768	5.787	VV	148	1315	0.02%	0.001%
31	5.807	5.787	5.827	VV	396	4636	0.06%	0.003%
32	5.885	5.827	5.890	VV	210	3919	0.05%	0.002%
33	5.894	5.890	5.902	VV	217	1154	0.01%	0.001%
34	5.906	5.902	5.921	VV	215	1229	0.01%	0.001%
35	5.952	5.935	5.983	PV	211	3412	0.04%	0.002%
36	6.014	5.983	6.037	VV	183	3119	0.04%	0.002%

8

Instrument :
FID_F
ClientSampleId :
B-110-SB01MSD

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A B C D E F G H I J

rteres

37	6.049	6.037	6.064	VV	178	1460	0.02%	0.001%
38	6.072	6.064	6.081	VV	141	1111		
39	6.083	6.081	6.144	VV	112	1738		
40	6.195	6.174	6.207	VV	191	2629		
41	6.220	6.207	6.239	VV	286	3801		
42	6.271	6.239	6.348	VV	750985	7282838	86	
43	6.351	6.348	6.362	VV	684	5717	0.07%	0.003%
44	6.377	6.362	6.406	VV	1177	18751	0.22%	0.011%
45	6.410	6.406	6.427	VV	414	4528	0.05%	0.003%
46	6.447	6.427	6.476	VV	1534	22670	0.27%	0.013%
47	6.513	6.476	6.554	VV	550	16934	0.20%	0.010%
48	6.575	6.554	6.604	VV	1153	16250	0.19%	0.009%
49	6.608	6.604	6.639	VV	301	4660	0.06%	0.003%
50	6.644	6.639	6.681	VV	261	4881	0.06%	0.003%
51	6.685	6.681	6.702	VV	214	1921	0.02%	0.001%
52	6.731	6.702	6.785	VV	95914	969848	11.51%	0.564%
53	6.817	6.785	6.838	VV	756	11897	0.14%	0.007%
54	6.855	6.838	6.868	VV	524	5894	0.07%	0.003%
55	6.886	6.868	6.904	VV	1180	13494	0.16%	0.008%
56	6.920	6.904	6.944	VV	424	4773	0.06%	0.003%
57	6.959	6.944	6.983	VV	645	6307	0.07%	0.004%
58	7.004	6.983	7.010	PV	186	1824	0.02%	0.001%
59	7.020	7.015	7.038	VV	235	2021	0.02%	0.001%
60	7.060	7.038	7.083	VV	324	4807	0.06%	0.003%
61	7.118	7.103	7.157	VV	333	5717	0.07%	0.003%
62	7.188	7.157	7.199	VV	682	7889	0.09%	0.005%
63	7.217	7.199	7.248	VV	3357	50389	0.60%	0.029%
64	7.268	7.248	7.323	VV	15478	175979	2.09%	0.102%
65	7.366	7.323	7.435	VV	701061	7094223	84.20%	4.128%
66	7.453	7.435	7.474	VV	887	17245	0.20%	0.010%
67	7.479	7.474	7.485	VV	733	4695	0.06%	0.003%
68	7.502	7.485	7.517	VV	2106	24871	0.30%	0.014%
69	7.534	7.517	7.549	VV	3217	39768	0.47%	0.023%
70	7.565	7.549	7.580	VV	2985	39119	0.46%	0.023%
71	7.591	7.580	7.625	VV	2075	32737	0.39%	0.019%
72	7.642	7.625	7.659	VV	1914	23346	0.28%	0.014%
73	7.677	7.659	7.699	VV	1491	20639	0.24%	0.012%
74	7.740	7.699	7.753	VV	1057	20042	0.24%	0.012%
75	7.767	7.753	7.789	VV	927	12594	0.15%	0.007%
76	7.812	7.799	7.822	VV	241	2331	0.03%	0.001%
77	7.850	7.822	7.874	VV	929	14301	0.17%	0.008%
78	7.891	7.874	7.903	VV	476	6402	0.08%	0.004%
79	7.910	7.903	7.924	VV	470	4601	0.05%	0.003%
80	7.942	7.924	7.960	VV	1257	14854	0.18%	0.009%
81	7.993	7.960	8.045	VV	728249	7304864	86.70%	4.250%
82	8.050	8.045	8.072	VV	1420	18568	0.22%	0.011%
83	8.093	8.072	8.099	VV	1278	18092	0.21%	0.011%
84	8.102	8.099	8.162	VV	1338	27348	0.32%	0.016%
85	8.170	8.162	8.190	VV	549	6755	0.08%	0.004%
86	8.204	8.190	8.233	VV	396	7109	0.08%	0.004%
87	8.252	8.233	8.276	VV	802	11487	0.14%	0.007%
88	8.309	8.276	8.329	VV	387	7982	0.09%	0.005%
89	8.347	8.329	8.370	VV	290	4867	0.06%	0.003%

8

Instrument :
FID_F
ClientSampleId :
B-110-SB01MSD

rteres

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90	8.379	8.370	8.415	VV	159	2955	0.04%	0.002%
91	8.457	8.425	8.492	VV	542	10818		
92	8.502	8.492	8.518	VV	230	2600		
93	8.559	8.518	8.607	VV	98118	1027981	12	
94	8.625	8.607	8.633	VV	287	3382		
95	8.668	8.633	8.740	VV	764390	7998117	94	
96	8.749	8.740	8.779	VV	1265	22854	0.27%	0.013%
97	8.793	8.779	8.834	VV	1225	22596	0.27%	0.013%
98	8.866	8.834	8.913	VV	452065	4676658	55.51%	2.721%
99	8.920	8.913	8.935	VV	2410	27647	0.33%	0.016%
100	8.968	8.935	9.043	VV	826047	8424964	100.00%	4.902%
101	9.048	9.043	9.059	VV	1455	13542	0.16%	0.008%
102	9.074	9.059	9.088	VV	1506	24197	0.29%	0.014%
103	9.099	9.088	9.146	VV	1446	38891	0.46%	0.023%
104	9.165	9.146	9.181	VV	717	12538	0.15%	0.007%
105	9.214	9.181	9.225	VV	749	15211	0.18%	0.009%
106	9.242	9.225	9.260	VV	1536	21665	0.26%	0.013%
107	9.286	9.260	9.348	VV	55325	630486	7.48%	0.367%
108	9.365	9.348	9.380	VV	1775	24129	0.29%	0.014%
109	9.401	9.380	9.421	VV	2100	33399	0.40%	0.019%
110	9.436	9.421	9.458	VV	1559	20814	0.25%	0.012%
111	9.474	9.458	9.500	VV	585	8203	0.10%	0.005%
112	9.522	9.500	9.550	VV	440	6471	0.08%	0.004%
113	9.573	9.550	9.593	VV	540	8178	0.10%	0.005%
114	9.608	9.593	9.653	VV	446	8888	0.11%	0.005%
115	9.672	9.653	9.680	VV	382	4429	0.05%	0.003%
116	9.688	9.680	9.704	VV	378	3927	0.05%	0.002%
117	9.757	9.717	9.870	VV	786630	8361926	99.25%	4.865%
118	9.891	9.870	9.927	VV	797	20433	0.24%	0.012%
119	9.965	9.927	9.989	VV	12057	145255	1.72%	0.085%
120	10.000	9.989	10.008	VV	1023	9823	0.12%	0.006%
121	10.031	10.008	10.132	VV	40033	475997	5.65%	0.277%
122	10.164	10.132	10.202	VV	93852	1046963	12.43%	0.609%
123	10.206	10.202	10.217	VV	362	2827	0.03%	0.002%
124	10.234	10.217	10.254	VV	473	8597	0.10%	0.005%
125	10.257	10.254	10.290	VV	367	5437	0.06%	0.003%
126	10.304	10.298	10.326	VV	191	2705	0.03%	0.002%
127	10.333	10.326	10.355	VV	243	3198	0.04%	0.002%
128	10.368	10.355	10.382	VV	262	2963	0.04%	0.002%
129	10.396	10.382	10.426	VV	214	3158	0.04%	0.002%
130	10.446	10.426	10.461	VV	336	4297	0.05%	0.003%
131	10.495	10.461	10.527	VV	467	10820	0.13%	0.006%
132	10.559	10.527	10.574	VV	446	8468	0.10%	0.005%
133	10.590	10.574	10.597	VV	428	4953	0.06%	0.003%
134	10.600	10.597	10.617	VV	402	3707	0.04%	0.002%
135	10.629	10.617	10.637	VV	388	3507	0.04%	0.002%
136	10.646	10.637	10.667	VV	329	4381	0.05%	0.003%
137	10.686	10.667	10.708	VV	1051	13911	0.17%	0.008%
138	10.724	10.708	10.740	VV	342	4352	0.05%	0.003%
139	10.768	10.740	10.776	VV	458	5965	0.07%	0.003%
140	10.795	10.776	10.816	VV	500	9600	0.11%	0.006%
141	10.836	10.816	10.846	VV	597	8755	0.10%	0.005%

8

Instrument :
FID_F
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B-110-SB01MSD

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A B C D E F G H I J

rteres

142	10.853	10.846	10.874	VV	586	8011	0.10%	0.005%
143	10.903	10.874	10.922	VV	595	13311	0	
144	10.925	10.922	10.933	VV	398	2115	0	
145	10.961	10.933	11.009	VV	5972	81210	0	
146	11.035	11.009	11.085	VV	1095	22101	0	
147	11.124	11.085	11.129	VV	4213	39309	0	
148	11.162	11.129	11.204	VV	706301	8203258	97.37%	4.773%
149	11.239	11.204	11.300	VV	729034	8216070	97.52%	4.781%
150	11.306	11.300	11.355	VV	2137	49603	0.59%	0.029%
151	11.358	11.355	11.392	VV	850	13766	0.16%	0.008%
152	11.411	11.392	11.429	VV	659	11636	0.14%	0.007%
153	11.454	11.429	11.511	VV	2011	38570	0.46%	0.022%
154	11.540	11.511	11.565	VV	693	13358	0.16%	0.008%
155	11.608	11.565	11.643	VV	88706	1046967	12.43%	0.609%
156	11.653	11.643	11.665	VV	405	4227	0.05%	0.002%
157	11.687	11.665	11.722	VV	810	14281	0.17%	0.008%
158	11.769	11.722	11.790	VV	311	5431	0.06%	0.003%
159	11.804	11.790	11.828	VV	288	3900	0.05%	0.002%
160	11.929	11.873	11.982	PV	548906	6209344	73.70%	3.613%
161	11.999	11.982	12.008	VV	844	11051	0.13%	0.006%
162	12.027	12.008	12.047	VV	1238	19763	0.23%	0.011%
163	12.064	12.047	12.082	VV	1143	18369	0.22%	0.011%
164	12.089	12.082	12.100	VV	858	8712	0.10%	0.005%
165	12.106	12.100	12.109	VV	688	3236	0.04%	0.002%
166	12.112	12.109	12.124	VV	726	5076	0.06%	0.003%
167	12.139	12.124	12.171	VV	749	12510	0.15%	0.007%
168	12.176	12.171	12.189	VV	182	1929	0.02%	0.001%
169	12.212	12.189	12.217	VV	332	4435	0.05%	0.003%
170	12.270	12.217	12.304	VV	866	27798	0.33%	0.016%
171	12.331	12.304	12.357	VV	7351	93296	1.11%	0.054%
172	12.371	12.357	12.396	VV	789	10930	0.13%	0.006%
173	12.410	12.396	12.435	VV	351	6547	0.08%	0.004%
174	12.440	12.435	12.464	VV	335	3672	0.04%	0.002%
175	12.524	12.464	12.593	VV	6254	115476	1.37%	0.067%
176	12.604	12.593	12.624	VV	557	8494	0.10%	0.005%
177	12.634	12.624	12.649	VV	653	8353	0.10%	0.005%
178	12.653	12.649	12.656	VV	668	2789	0.03%	0.002%
179	12.659	12.656	12.677	VV	650	6962	0.08%	0.004%
180	12.685	12.677	12.691	VV	543	3959	0.05%	0.002%
181	12.694	12.691	12.698	VV	486	1943	0.02%	0.001%
182	12.704	12.698	12.729	VV	543	8485	0.10%	0.005%
183	12.780	12.729	12.831	VV	2703	51695	0.61%	0.030%
184	12.859	12.831	12.884	VV	1115	17846	0.21%	0.010%
185	12.919	12.884	12.947	VV	89118	1092756	12.97%	0.636%
186	12.984	12.947	13.136	VV	672133	8128430	96.48%	4.730%
187	13.164	13.136	13.232	VV	5745	80079	0.95%	0.047%
188	13.284	13.232	13.314	VV	674110	7963659	94.52%	4.634%
189	13.333	13.314	13.340	VV	7875	92228	1.09%	0.054%
190	13.364	13.340	13.401	VV	117221	1441007	17.10%	0.838%
191	13.405	13.401	13.463	VV	939	23902	0.28%	0.014%
192	13.485	13.463	13.500	VV	529	10500	0.12%	0.006%
193	13.531	13.500	13.566	VV	81028	1012732	12.02%	0.589%
194	13.585	13.566	13.627	VV	4182	77875	0.92%	0.045%

8

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A B C D E F G H I J

rteres

195	13.632	13.627	13.635	VV	738	3596	0.04%	0.002%
196	13.642	13.635	13.686	VV	799	17920		
197	13.759	13.686	13.796	VV	2656	63678		
198	13.800	13.796	13.847	VV	763	17643		
199	13.873	13.847	13.889	VV	401	7901		
200	13.912	13.889	13.926	VV	481	8586		
201	13.936	13.926	13.957	VV	526	7722	0.09%	0.004%
202	13.967	13.957	13.972	VV	433	3416	0.04%	0.002%
203	13.986	13.972	14.017	VV	567	9505	0.11%	0.006%
204	14.029	14.017	14.035	VV	291	2368	0.03%	0.001%
205	14.071	14.035	14.090	VV	3623	49742	0.59%	0.029%
206	14.118	14.090	14.165	VV	80861	985268	11.69%	0.573%
207	14.172	14.165	14.204	VV	272	4041	0.05%	0.002%
208	14.226	14.204	14.255	VV	360	7130	0.08%	0.004%
209	14.282	14.255	14.309	VV	238	3881	0.05%	0.002%
210	14.335	14.318	14.345	VV	168	1981	0.02%	0.001%
211	14.360	14.356	14.403	VV	161	2543	0.03%	0.001%
212	14.408	14.403	14.435	PV	107	1196	0.01%	0.001%
213	14.452	14.435	14.469	VV	221	2985	0.04%	0.002%
214	14.476	14.469	14.492	VV	175	1893	0.02%	0.001%
215	14.513	14.492	14.532	VV	537	9016	0.11%	0.005%
216	14.556	14.532	14.599	VV	1605	28527	0.34%	0.017%
217	14.603	14.599	14.632	VV	307	4597	0.05%	0.003%
218	14.641	14.632	14.662	VV	233	2925	0.03%	0.002%
219	14.685	14.662	14.705	VV	326	5144	0.06%	0.003%
220	14.717	14.705	14.728	VV	275	2573	0.03%	0.001%
221	14.750	14.728	14.771	VV	525	8563	0.10%	0.005%
222	14.783	14.771	14.814	VV	421	8248	0.10%	0.005%
223	14.824	14.814	14.830	VV	341	2950	0.04%	0.002%
224	14.848	14.830	14.874	VV	455	7684	0.09%	0.004%
225	14.889	14.881	14.918	VV	271	3778	0.04%	0.002%
226	14.929	14.918	14.937	VV	158	1607	0.02%	0.001%
227	14.960	14.953	14.966	VV	169	1055	0.01%	0.001%
228	14.976	14.966	14.984	VV	228	1873	0.02%	0.001%
229	15.006	14.984	15.017	VV	311	4921	0.06%	0.003%
230	15.034	15.017	15.042	VV	335	4205	0.05%	0.002%
231	15.062	15.042	15.110	VV	760	13211	0.16%	0.008%
232	15.164	15.110	15.184	VV	545278	7366955	87.44%	4.287%
233	15.210	15.184	15.255	VV	639909	8293793	98.44%	4.826%
234	15.266	15.255	15.349	VV	2383	56460	0.67%	0.033%
235	15.355	15.349	15.362	VV	363	2725	0.03%	0.002%
236	15.364	15.362	15.374	VV	362	2464	0.03%	0.001%
237	15.394	15.374	15.425	VV	691	15246	0.18%	0.009%
238	15.428	15.425	15.489	VV	479	9935	0.12%	0.006%
239	15.520	15.489	15.560	VV	622	13644	0.16%	0.008%
240	15.600	15.560	15.715	VV	16885	302127	3.59%	0.176%
241	15.762	15.715	15.788	VV	1690	34001	0.40%	0.020%
242	15.805	15.788	15.821	VV	358	5808	0.07%	0.003%
243	15.825	15.821	15.842	VV	276	3002	0.04%	0.002%
244	15.846	15.842	15.856	VV	296	2292	0.03%	0.001%
245	15.877	15.856	15.899	VV	358	7310	0.09%	0.004%
246	15.903	15.899	15.908	VV	220	1146	0.01%	0.001%

8

Instrument :
FID_F
ClientSampleId :
B-110-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/29/2025
Supervised By :Ankita Jodhani 01/29/2025

A B C D E F G H I J

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247	15.916	15.908	15.930	VV	219	2547	0.03%	0.001%
248	15.959	15.930	15.995	VV	386	8311	0	
249	16.021	15.995	16.036	VV	192	3859	0	
250	16.076	16.036	16.095	VV	624	13420	0	
251	16.121	16.095	16.158	VV	561	14358	0	
252	16.170	16.158	16.190	VV	352	5381	0	
253	16.248	16.190	16.289	VV	67323	900556	10.69%	0.524%
254	16.310	16.289	16.342	VV	461	6982	0.08%	0.004%
255	16.386	16.366	16.410	VV	236	3427	0.04%	0.002%
256	16.419	16.410	16.453	VV	146	2826	0.03%	0.002%
257	16.480	16.453	16.512	VV	413	5478	0.07%	0.003%
258	16.619	16.575	16.649	VV	1398	25668	0.30%	0.015%
259	16.653	16.649	16.658	VV	330	1598	0.02%	0.001%
260	16.665	16.658	16.672	VV	303	2277	0.03%	0.001%
261	16.725	16.672	16.740	VV	464795	7189481	85.34%	4.183%
262	16.761	16.740	16.795	VV	577250	7205896	85.53%	4.193%
263	16.810	16.795	16.840	VV	2877	49448	0.59%	0.029%
264	16.863	16.840	16.942	VV	2173	57965	0.69%	0.034%
265	16.969	16.942	17.012	VV	2295	38083	0.45%	0.022%
266	17.037	17.012	17.059	VV	506	10782	0.13%	0.006%
267	17.107	17.059	17.164	VV	500595	6922187	82.16%	4.028%
268	17.197	17.164	17.229	VV	67941	936916	11.12%	0.545%
269	17.247	17.229	17.360	VV	2220	46976	0.56%	0.027%
270	17.385	17.360	17.409	VV	195	3506	0.04%	0.002%
271	17.429	17.409	17.453	VV	162	2633	0.03%	0.002%
272	17.464	17.453	17.477	PV	141	1376	0.02%	0.001%
273	17.483	17.477	17.497	VV	142	1153	0.01%	0.001%
274	17.532	17.505	17.546	VV	474	7513	0.09%	0.004%
275	17.562	17.546	17.587	VV	737	13249	0.16%	0.008%
276	17.593	17.587	17.600	VV	429	3296	0.04%	0.002%
277	17.606	17.600	17.620	VV	453	4603	0.05%	0.003%
278	17.648	17.620	17.705	VV	1631	29520	0.35%	0.017%
279	17.741	17.705	17.746	VV	505	6531	0.08%	0.004%
280	17.749	17.746	17.775	VV	445	5399	0.06%	0.003%
281	17.790	17.775	17.796	VV	157	1531	0.02%	0.001%
282	17.819	17.796	17.849	VV	396	7666	0.09%	0.004%
283	17.872	17.849	17.882	VV	241	3238	0.04%	0.002%
284	17.885	17.882	17.897	VV	156	1078	0.01%	0.001%
285	17.978	17.904	17.999	VV	796	18426	0.22%	0.011%
286	18.015	17.999	18.028	VV	248	3542	0.04%	0.002%
287	18.088	18.028	18.124	VV	61135	848247	10.07%	0.494%
288	18.177	18.124	18.212	VV	2041	35430	0.42%	0.021%
289	18.265	18.212	18.289	VV	334	9503	0.11%	0.006%
290	18.320	18.296	18.341	PV	279	3829	0.05%	0.002%
291	18.371	18.341	18.395	VV	374	5699	0.07%	0.003%
292	18.482	18.395	18.496	PV	464612	7480566	88.79%	4.353%
293	18.521	18.496	18.684	VV	498043	6863313	81.46%	3.993%
294	18.741	18.684	18.800	PBA	476471	7112803	84.43%	4.139%

Sum of corrected areas: 171863872

Aromatic EPH 011425.M Wed Jan 29 02:05:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015192.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 20:08
Operator : YP\AJ
Sample : Q1194-01MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
B-110-SB01MSD

Integration File: autoint1.e
Quant Time: Jan 29 02:37:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	13.384	4747788	38.992 ug/ml
Spiked Amount	50.000		Recovery =	77.98%
	Target Compounds			
1) T	n-Nonane (C9)	3.281	3675308	28.308 ug/ml
2) T	n-Decane (C10)	4.541	4689973	35.292 ug/ml
4) T	n-Dodecane (C12)	6.722	5539136	40.746 ug/ml
6) T	n-Tetradecane (C14)	8.560	6210666	45.161 ug/ml
7) T	n-Hexadecane (C16)	10.174	6633343	45.780 ug/ml
8) T	n-Octadecane (C18)	11.625	6871558	46.233 ug/ml
10) T	n-Eicosane (C20)	12.940	7062344	49.203 ug/ml
11) T	n-Heneicosane (C21)	13.554	6767261	47.861 ug/ml
13) T	n-Docosane (C22)	14.143	6727990	47.852 ug/ml
14) T	n-Tetracosane (C24)	15.251	6588166	47.334 ug/ml
15) T	n-Hexacosane (C26)	16.276	6395464	47.217 ug/ml
16) T	n-Octacosane (C28)	17.228	6188056	47.023 ug/ml
17) T	n-Tricontane (C30)	18.120	6118034	46.119 ug/ml
18) T	n-Dotriacontane (C32)	18.954	5912017	46.875 ug/ml
19) T	n-Tetratriacontane (C34)	19.739	5662362	52.004 ug/ml
20) T	n-Hexatriacontane (C36)	20.481	5260571	56.346 ug/ml
21) T	n-Octatriacontane (C38)	21.231	4965606	56.585 ug/ml
22) T	n-Tetracontane (C40)	22.170	4762240	56.183 ug/ml

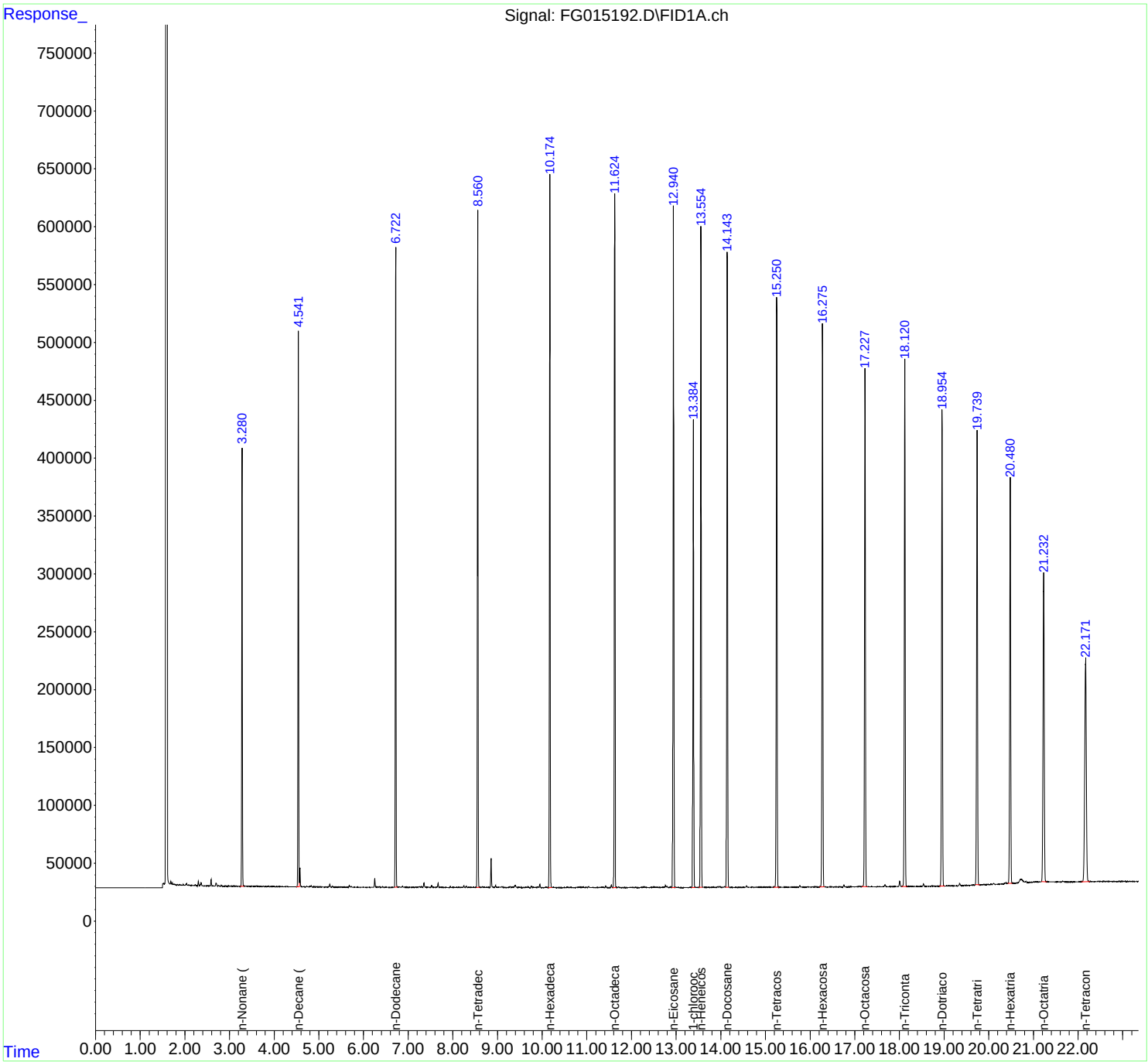
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015192.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 20:08
Operator : YP\AJ
Sample : Q1194-01MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
B-110-SB01MSD

Integration File: autoint1.e
Quant Time: Jan 29 02:37:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Quant Title : GC Extractables
QLast Update : Tue Jan 14 11:45:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AL\
Data File : FG015192.D
Signal(s) : FID1A.ch
Acq On : 28 Jan 2025 20:08
Sample : Q1194-01MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.281	3.221	3.410	BV	378772	3683800	52.11%	3.203%
2	3.425	3.410	3.480	VV	219	4640	0.07%	0.004%
3	3.493	3.480	3.510	VV	184	2705	0.04%	0.002%
4	3.526	3.510	3.545	VV	223	3113	0.04%	0.003%
5	3.565	3.545	3.581	VV	155	2324	0.03%	0.002%
6	3.598	3.581	3.608	VV	254	3233	0.05%	0.003%
7	3.621	3.608	3.637	VV	327	4061	0.06%	0.004%
8	3.654	3.637	3.664	VV	287	3547	0.05%	0.003%
9	3.673	3.664	3.711	VV	266	3500	0.05%	0.003%
10	3.730	3.711	3.744	PV	185	1900	0.03%	0.002%
11	3.760	3.744	3.785	VV	451	4714	0.07%	0.004%
12	3.792	3.785	3.850	VV	89	1538	0.02%	0.001%
13	3.878	3.850	3.944	VV	420	7109	0.10%	0.006%
14	3.964	3.944	4.032	VV	165	3701	0.05%	0.003%
15	4.079	4.032	4.094	PV	308	5060	0.07%	0.004%
16	4.113	4.094	4.150	VV	635	7823	0.11%	0.007%
17	4.161	4.150	4.175	VV	69	968	0.01%	0.001%
18	4.190	4.175	4.238	VV	171	3582	0.05%	0.003%
19	4.283	4.238	4.342	VV	473	12684	0.18%	0.011%
20	4.350	4.342	4.424	VV	120	4531	0.06%	0.004%
21	4.438	4.424	4.481	VV	158	4101	0.06%	0.004%
22	4.487	4.481	4.496	VV	141	1138	0.02%	0.001%
23	4.541	4.496	4.565	VV	480870	4698816	66.47%	4.086%
24	4.577	4.565	4.641	VV	16597	166890	2.36%	0.145%
25	4.669	4.641	4.698	VV	343	7354	0.10%	0.006%
26	4.730	4.698	4.778	VV	858	14388	0.20%	0.013%
27	4.792	4.778	4.809	VV	641	7395	0.10%	0.006%
28	4.826	4.809	4.865	VV	1198	15934	0.23%	0.014%
29	4.871	4.865	4.895	VV	158	2406	0.03%	0.002%
30	4.909	4.895	4.941	VV	204	4501	0.06%	0.004%
31	4.957	4.941	4.982	VV	268	4712	0.07%	0.004%
32	4.990	4.982	5.025	VV	186	3464	0.05%	0.003%
33	5.049	5.025	5.092	VV	205	5289	0.07%	0.005%
34	5.111	5.092	5.136	VV	121	2018	0.03%	0.002%
35	5.157	5.136	5.195	PV	206	4083	0.06%	0.004%
36	5.246	5.195	5.280	VV	2658	36018	0.51%	0.031%

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37	5.307	5.280	5.347	VV	568	8113	0.11%	0.007%
38	5.362	5.347	5.381	VV	80	1158	0.02%	0.001%
39	5.387	5.381	5.401	VV	62	392	0.01%	0.000%
40	5.425	5.401	5.437	VV	76	890	0.01%	0.001%
41	5.455	5.437	5.477	VV	183	2156	0.03%	0.002%
42	5.494	5.477	5.551	VV	200	3747	0.05%	0.003%
43	5.558	5.551	5.604	VV	103	2048	0.03%	0.002%
44	5.640	5.604	5.661	VV	122	2663	0.04%	0.002%
45	5.683	5.661	5.705	VV	1767	19087	0.27%	0.017%
46	5.728	5.705	5.754	VV	893	10830	0.15%	0.009%
47	5.789	5.754	5.841	VV	247	4892	0.07%	0.004%
48	5.874	5.841	5.965	VV	230	6357	0.09%	0.006%
49	5.995	5.965	6.021	VV	196	3464	0.05%	0.003%
50	6.029	6.021	6.044	VV	78	875	0.01%	0.001%
51	6.052	6.044	6.058	VV	77	501	0.01%	0.000%
52	6.068	6.058	6.088	VV	92	1272	0.02%	0.001%
53	6.097	6.088	6.134	VV	93	1477	0.02%	0.001%
54	6.167	6.134	6.194	PV	98	2999	0.04%	0.003%
55	6.215	6.194	6.227	VV	152	2314	0.03%	0.002%
56	6.253	6.227	6.299	VV	7753	85492	1.21%	0.074%
57	6.319	6.299	6.336	VV	412	6129	0.09%	0.005%
58	6.364	6.336	6.397	VV	772	12061	0.17%	0.010%
59	6.427	6.397	6.473	VV	480	10114	0.14%	0.009%
60	6.504	6.473	6.574	VV	312	11006	0.16%	0.010%
61	6.605	6.574	6.623	VV	183	3953	0.06%	0.003%
62	6.640	6.623	6.668	VV	181	3312	0.05%	0.003%
63	6.722	6.668	6.791	VV	549359	5554585	78.57%	4.830%
64	6.807	6.791	6.831	VV	603	8357	0.12%	0.007%
65	6.844	6.831	6.855	VV	386	3887	0.05%	0.003%
66	6.875	6.855	6.896	VV	1162	14096	0.20%	0.012%
67	6.911	6.896	6.930	VV	368	4657	0.07%	0.004%
68	6.949	6.930	6.975	VV	466	5904	0.08%	0.005%
69	6.984	6.975	7.024	VV	109	2589	0.04%	0.002%
70	7.050	7.024	7.075	VV	254	4298	0.06%	0.004%
71	7.086	7.075	7.102	VV	136	1998	0.03%	0.002%
72	7.116	7.102	7.157	VV	152	3455	0.05%	0.003%
73	7.177	7.157	7.211	VV	510	6895	0.10%	0.006%
74	7.233	7.211	7.246	VV	659	9101	0.13%	0.008%
75	7.255	7.246	7.269	VV	549	6361	0.09%	0.006%
76	7.289	7.269	7.328	VV	568	13105	0.19%	0.011%
77	7.354	7.328	7.386	VV	4056	52598	0.74%	0.046%
78	7.399	7.386	7.421	VV	361	4963	0.07%	0.004%
79	7.447	7.421	7.501	VV	320	9455	0.13%	0.008%
80	7.527	7.501	7.555	VV	1985	23542	0.33%	0.020%
81	7.587	7.555	7.597	VV	266	4373	0.06%	0.004%
82	7.608	7.597	7.620	VV	294	3002	0.04%	0.003%
83	7.636	7.620	7.647	VV	403	4636	0.07%	0.004%
84	7.671	7.647	7.698	VV	3784	42143	0.60%	0.037%
85	7.734	7.698	7.749	VV	414	7079	0.10%	0.006%
86	7.764	7.749	7.784	VV	458	5376	0.08%	0.005%
87	7.795	7.784	7.819	VV	135	2186	0.03%	0.002%
88	7.846	7.819	7.875	VV	249	4383	0.06%	0.004%
89	7.883	7.875	7.911	VV	108	1153	0.02%	0.001%

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90	7.938	7.911	7.968	PV	819	9558	0.14%	0.008%
91	7.988	7.968	8.002	VV	161	2116	0.03%	0.002%
92	8.016	8.002	8.025	VV	214	2431	0.03%	0.002%
93	8.037	8.025	8.067	VV	219	3488	0.05%	0.003%
94	8.102	8.067	8.118	VV	300	6168	0.09%	0.005%
95	8.134	8.118	8.147	VV	370	4666	0.07%	0.004%
96	8.158	8.147	8.183	VV	326	5024	0.07%	0.004%
97	8.201	8.183	8.225	VV	427	5761	0.08%	0.005%
98	8.247	8.225	8.272	VV	1667	19790	0.28%	0.017%
99	8.304	8.272	8.326	VV	1380	17110	0.24%	0.015%
100	8.342	8.326	8.360	VV	207	3604	0.05%	0.003%
101	8.375	8.360	8.392	VV	431	4816	0.07%	0.004%
102	8.405	8.392	8.441	VV	274	4761	0.07%	0.004%
103	8.461	8.441	8.490	VV	686	9430	0.13%	0.008%
104	8.503	8.490	8.525	VV	204	3206	0.05%	0.003%
105	8.559	8.525	8.630	VV	584395	6225818	88.07%	5.414%
106	8.657	8.630	8.689	VV	735	15732	0.22%	0.014%
107	8.707	8.689	8.731	VV	426	6995	0.10%	0.006%
108	8.752	8.731	8.774	VV	408	5981	0.08%	0.005%
109	8.793	8.774	8.825	VV	450	6102	0.09%	0.005%
110	8.859	8.825	8.905	PV	25327	269808	3.82%	0.235%
111	8.907	8.905	8.929	VV	504	5368	0.08%	0.005%
112	8.959	8.929	8.994	VV	1855	27434	0.39%	0.024%
113	9.020	8.994	9.037	VV	519	9555	0.14%	0.008%
114	9.052	9.037	9.068	VV	554	7386	0.10%	0.006%
115	9.099	9.068	9.139	VV	1033	22450	0.32%	0.020%
116	9.163	9.139	9.192	VV	405	6454	0.09%	0.006%
117	9.218	9.192	9.241	PV	337	4742	0.07%	0.004%
118	9.255	9.241	9.263	VV	276	2956	0.04%	0.003%
119	9.284	9.263	9.303	VV	979	13444	0.19%	0.012%
120	9.323	9.303	9.368	VV	847	20944	0.30%	0.018%
121	9.402	9.368	9.458	VV	1935	47407	0.67%	0.041%
122	9.476	9.458	9.496	VV	532	6547	0.09%	0.006%
123	9.524	9.496	9.553	VV	384	5549	0.08%	0.005%
124	9.575	9.553	9.593	VV	216	2971	0.04%	0.003%
125	9.629	9.593	9.661	VV	292	8747	0.12%	0.008%
126	9.690	9.661	9.730	VV	724	12627	0.18%	0.011%
127	9.760	9.730	9.791	VV	1476	23987	0.34%	0.021%
128	9.809	9.791	9.837	VV	871	11355	0.16%	0.010%
129	9.851	9.837	9.874	VV	255	3526	0.05%	0.003%
130	9.903	9.874	9.926	VV	834	13559	0.19%	0.012%
131	9.949	9.926	9.982	VV	3106	35988	0.51%	0.031%
132	10.010	9.982	10.023	VV	265	3075	0.04%	0.003%
133	10.040	10.023	10.051	VV	199	1982	0.03%	0.002%
134	10.103	10.051	10.127	VV	580	13728	0.19%	0.012%
135	10.174	10.127	10.228	VV	610614	6639007	93.91%	5.773%
136	10.244	10.228	10.304	VV	383	11155	0.16%	0.010%
137	10.318	10.304	10.329	VV	194	1931	0.03%	0.002%
138	10.342	10.329	10.378	VV	168	2933	0.04%	0.003%
139	10.388	10.378	10.404	VV	53	657	0.01%	0.001%
140	10.453	10.404	10.468	PV	245	4241	0.06%	0.004%
141	10.492	10.468	10.525	VV	324	7315	0.10%	0.006%

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142	10.566	10.525	10.585	VV	528	11255	0.16%	0.010%
143	10.605	10.585	10.625	VV	397	6812	0.10%	0.006%
144	10.652	10.625	10.673	VV	317	6736	0.10%	0.006%
145	10.686	10.673	10.747	VV	209	5977	0.08%	0.005%
146	10.777	10.747	10.789	VV	422	5969	0.08%	0.005%
147	10.809	10.789	10.828	VV	349	6508	0.09%	0.006%
148	10.849	10.828	10.877	VV	559	11545	0.16%	0.010%
149	10.913	10.877	10.950	VV	874	19611	0.28%	0.017%
150	10.970	10.950	11.018	VV	451	13170	0.19%	0.011%
151	11.042	11.018	11.068	VV	1032	17777	0.25%	0.015%
152	11.083	11.068	11.121	VV	261	7085	0.10%	0.006%
153	11.134	11.121	11.158	VV	268	4627	0.07%	0.004%
154	11.168	11.158	11.181	VV	189	2182	0.03%	0.002%
155	11.198	11.181	11.212	VV	217	3205	0.05%	0.003%
156	11.240	11.212	11.267	VV	359	8015	0.11%	0.007%
157	11.288	11.267	11.305	VV	486	7005	0.10%	0.006%
158	11.341	11.305	11.361	VV	588	11658	0.16%	0.010%
159	11.370	11.361	11.389	VV	279	3695	0.05%	0.003%
160	11.422	11.389	11.465	VV	1674	23116	0.33%	0.020%
161	11.482	11.465	11.521	VV	101	2891	0.04%	0.003%
162	11.551	11.521	11.582	VV	2476	34471	0.49%	0.030%
163	11.624	11.582	11.693	VV	600074	6885433	97.40%	5.987%
164	11.716	11.693	11.748	VV	836	12760	0.18%	0.011%
165	11.759	11.748	11.765	VV	106	644	0.01%	0.001%
166	11.774	11.765	11.792	VV	159	1162	0.02%	0.001%
167	11.844	11.792	11.872	PV	150	3042	0.04%	0.003%
168	11.937	11.872	11.995	VV	291	13834	0.20%	0.012%
169	12.011	11.995	12.055	VV	478	10749	0.15%	0.009%
170	12.076	12.055	12.128	VV	443	10901	0.15%	0.009%
171	12.139	12.128	12.161	VV	166	2538	0.04%	0.002%
172	12.286	12.161	12.317	VV	765	32463	0.46%	0.028%
173	12.338	12.317	12.362	VV	376	7503	0.11%	0.007%
174	12.384	12.362	12.405	VV	242	5221	0.07%	0.005%
175	12.427	12.405	12.469	VV	378	10928	0.15%	0.010%
176	12.513	12.469	12.545	VV	795	21933	0.31%	0.019%
177	12.578	12.545	12.604	VV	627	13369	0.19%	0.012%
178	12.624	12.604	12.648	VV	507	8683	0.12%	0.008%
179	12.669	12.648	12.688	VV	245	4862	0.07%	0.004%
180	12.705	12.688	12.714	VV	297	4453	0.06%	0.004%
181	12.759	12.714	12.780	VV	2015	36326	0.51%	0.032%
182	12.796	12.780	12.847	VV	1309	20213	0.29%	0.018%
183	12.875	12.847	12.901	VV	985	13448	0.19%	0.012%
184	12.940	12.901	12.984	VV	588537	7069190	100.00%	6.147%
185	12.998	12.984	13.027	VV	406	7083	0.10%	0.006%
186	13.053	13.027	13.170	VV	317	9306	0.13%	0.008%
187	13.228	13.170	13.244	PV	217	6957	0.10%	0.006%
188	13.256	13.244	13.277	VV	174	2484	0.04%	0.002%
189	13.302	13.277	13.320	VV	230	4444	0.06%	0.004%
190	13.336	13.320	13.343	VV	266	3097	0.04%	0.003%
191	13.384	13.343	13.423	VV	401258	4758420	67.31%	4.138%
192	13.433	13.423	13.467	VV	333	6942	0.10%	0.006%
193	13.495	13.467	13.510	VV	344	6885	0.10%	0.006%
194	13.554	13.510	13.593	VV	571768	6781197	95.93%	5.896%

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195	13.606	13.593	13.665	VV	376	12271	0.17%	0.011%
196	13.671	13.665	13.698	VV	262	3711	0.05%	0.003%
197	13.709	13.698	13.715	VV	161	1365	0.02%	0.001%
198	13.751	13.715	13.790	VV	321	10040	0.14%	0.009%
199	13.828	13.790	13.871	VV	421	13798	0.20%	0.012%
200	13.899	13.871	13.910	VV	327	4559	0.06%	0.004%
201	13.931	13.910	13.958	VV	769	12598	0.18%	0.011%
202	13.981	13.958	14.058	VV	1141	25626	0.36%	0.022%
203	14.085	14.058	14.105	VV	1004	15359	0.22%	0.013%
204	14.143	14.105	14.253	VV	552961	6744486	95.41%	5.865%
205	14.269	14.253	14.303	VV	208	2799	0.04%	0.002%
206	14.322	14.303	14.332	PV	106	1062	0.02%	0.001%
207	14.370	14.332	14.422	VV	260	7404	0.10%	0.006%
208	14.439	14.422	14.458	VV	171	2426	0.03%	0.002%
209	14.469	14.458	14.507	VV	184	3454	0.05%	0.003%
210	14.576	14.507	14.678	VV	1479	31337	0.44%	0.027%
211	14.703	14.678	14.747	VV	499	9564	0.14%	0.008%
212	14.762	14.747	14.771	VV	188	2205	0.03%	0.002%
213	14.786	14.771	14.798	VV	182	2779	0.04%	0.002%
214	14.807	14.798	14.817	VV	188	1918	0.03%	0.002%
215	14.838	14.817	14.881	VV	241	7726	0.11%	0.007%
216	14.912	14.881	14.935	VV	276	6544	0.09%	0.006%
217	14.986	14.935	14.994	VV	240	7215	0.10%	0.006%
218	15.020	14.994	15.037	VV	303	6353	0.09%	0.006%
219	15.051	15.037	15.078	VV	259	5469	0.08%	0.005%
220	15.102	15.078	15.143	VV	364	7731	0.11%	0.007%
221	15.156	15.143	15.163	VV	131	1296	0.02%	0.001%
222	15.202	15.163	15.210	VV	767	10572	0.15%	0.009%
223	15.251	15.210	15.351	VV	511509	6594067	93.28%	5.734%
224	15.357	15.351	15.395	VV	87	1185	0.02%	0.001%
225	15.423	15.395	15.460	VV	171	4196	0.06%	0.004%
226	15.475	15.460	15.538	VV	135	3812	0.05%	0.003%
227	15.551	15.538	15.605	VV	99	2599	0.04%	0.002%
228	15.675	15.605	15.708	VV	232	7071	0.10%	0.006%
229	15.768	15.708	15.852	VV	1466	28666	0.41%	0.025%
230	15.860	15.852	15.870	VV	115	891	0.01%	0.001%
231	15.901	15.870	15.928	VV	149	3497	0.05%	0.003%
232	15.946	15.928	16.028	VV	243	9084	0.13%	0.008%
233	16.085	16.028	16.107	VV	287	8506	0.12%	0.007%
234	16.135	16.107	16.161	VV	299	7552	0.11%	0.007%
235	16.165	16.161	16.198	VV	283	3579	0.05%	0.003%
236	16.275	16.198	16.353	VV	485116	6411422	90.70%	5.575%
237	16.365	16.353	16.390	VV	116	1696	0.02%	0.001%
238	16.413	16.390	16.422	PV	125	1261	0.02%	0.001%
239	16.453	16.422	16.475	VV	224	3620	0.05%	0.003%
240	16.480	16.475	16.515	VV	151	1798	0.03%	0.002%
241	16.524	16.515	16.538	VV	69	417	0.01%	0.000%
242	16.587	16.538	16.622	VV	126	3786	0.05%	0.003%
243	16.637	16.622	16.668	VV	164	2677	0.04%	0.002%
244	16.756	16.668	16.791	VV	1944	31933	0.45%	0.028%
245	16.799	16.791	16.870	VV	183	5817	0.08%	0.005%
246	16.881	16.870	16.891	VV	141	1207	0.02%	0.001%

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247	16.918	16.891	16.965	VV	287	9006	0.13%	0.008%
248	16.968	16.965	16.998	VV	232	3432	0.05%	0.003%
249	17.007	16.998	17.015	VV	185	1559	0.02%	0.001%
250	17.062	17.015	17.080	VV	351	8866	0.13%	0.008%
251	17.106	17.080	17.161	VV	563	18864	0.27%	0.016%
252	17.228	17.161	17.297	VV	447765	6201732	87.73%	5.393%
253	17.315	17.297	17.325	VV	203	2331	0.03%	0.002%
254	17.332	17.325	17.360	VV	169	2464	0.03%	0.002%
255	17.372	17.360	17.409	VV	177	3922	0.06%	0.003%
256	17.441	17.409	17.482	VV	126	3538	0.05%	0.003%
257	17.525	17.482	17.535	PV	146	2752	0.04%	0.002%
258	17.560	17.535	17.588	VV	142	2707	0.04%	0.002%
259	17.676	17.588	17.756	VV	1883	31351	0.44%	0.027%
260	17.784	17.756	17.804	PV	214	3428	0.05%	0.003%
261	17.823	17.804	17.875	VV	238	6002	0.08%	0.005%
262	17.912	17.875	17.948	VV	299	8307	0.12%	0.007%
263	17.958	17.948	17.973	VV	213	2544	0.04%	0.002%
264	18.006	17.973	18.043	VV	4798	71100	1.01%	0.062%
265	18.119	18.043	18.191	VV	444989	6130558	86.72%	5.331%
266	18.205	18.191	18.227	VV	237	4019	0.06%	0.003%
267	18.258	18.227	18.309	VV	265	8046	0.11%	0.007%
268	18.322	18.309	18.354	VV	80	1387	0.02%	0.001%
269	18.395	18.354	18.416	PV	178	3423	0.05%	0.003%
270	18.426	18.416	18.439	VV	96	900	0.01%	0.001%
271	18.539	18.439	18.608	VV	2243	34373	0.49%	0.030%
272	18.629	18.608	18.652	VV	141	2063	0.03%	0.002%
273	18.665	18.652	18.678	VV	102	1042	0.01%	0.001%
274	18.682	18.678	18.705	VV	101	540	0.01%	0.000%
275	18.738	18.705	18.764	PV	140	3104	0.04%	0.003%
276	18.793	18.764	18.824	VV	172	4067	0.06%	0.004%
277	18.839	18.824	18.881	VV	183	3398	0.05%	0.003%
278	18.954	18.881	19.029	VV	411901	5914524	83.67%	5.143%
279	19.061	19.029	19.078	PV	136	1919	0.03%	0.002%
280	19.099	19.078	19.147	VV	156	2982	0.04%	0.003%
281	19.157	19.147	19.177	VV	54	609	0.01%	0.001%
282	19.205	19.177	19.227	VV	110	1795	0.03%	0.002%
283	19.255	19.227	19.286	PV	68	1623	0.02%	0.001%
284	19.348	19.286	19.422	PV	2087	32294	0.46%	0.028%
285	19.462	19.422	19.473	VV	126	2374	0.03%	0.002%
286	19.536	19.473	19.561	VV	161	6810	0.10%	0.006%
287	19.601	19.561	19.615	VV	154	3765	0.05%	0.003%
288	19.666	19.615	19.688	VV	224	8016	0.11%	0.007%
289	19.739	19.688	19.818	VV	386959	5693611	80.54%	4.951%
290	19.845	19.818	19.864	VV	390	8910	0.13%	0.008%
291	19.891	19.864	19.928	VV	503	13978	0.20%	0.012%
292	19.993	19.928	20.012	VV	412	16909	0.24%	0.015%
293	20.040	20.012	20.061	VV	396	9760	0.14%	0.008%
294	20.111	20.061	20.142	VV	1267	29412	0.42%	0.026%
295	20.151	20.142	20.181	VV	392	7604	0.11%	0.007%
296	20.219	20.181	20.247	VV	475	15783	0.22%	0.014%
297	20.298	20.247	20.308	VV	557	17157	0.24%	0.015%
298	20.379	20.308	20.405	VV	1452	48526	0.69%	0.042%
299	20.481	20.405	20.551	VV	346549	5337167	75.50%	4.641%

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300	20.627	20.551	20.637	VV	915	45577	0.64%	0.040%
301	20.733	20.637	20.811	VV	3978	259343	3.67%	0.226%
302	20.836	20.811	20.888	VV	2149	69195	0.98%	0.060%
303	20.899	20.888	20.904	VV	1127	10067	0.14%	0.009%
304	20.949	20.904	20.978	VV	1265	53306	0.75%	0.046%
305	21.023	20.978	21.049	VV	1431	56692	0.80%	0.049%
306	21.124	21.049	21.165	VV	1361	90141	1.28%	0.078%
307	21.230	21.165	21.303	VV	268708	5075558	71.80%	4.413%
308	21.313	21.303	21.328	VV	1243	18475	0.26%	0.016%
309	21.338	21.328	21.401	VV	1233	49650	0.70%	0.043%
310	21.410	21.401	21.438	VV	1050	22291	0.32%	0.019%
311	21.446	21.438	21.516	VV	996	42873	0.61%	0.037%
312	21.567	21.516	21.615	VV	845	47098	0.67%	0.041%
313	21.661	21.615	21.718	VV	1251	51861	0.73%	0.045%
314	21.734	21.718	21.753	VV	561	11504	0.16%	0.010%
315	21.802	21.753	21.815	VV	533	18728	0.26%	0.016%
316	21.828	21.815	21.909	VV	532	23298	0.33%	0.020%
317	21.921	21.909	21.948	VV	400	7897	0.11%	0.007%
318	21.962	21.948	21.978	VV	353	6262	0.09%	0.005%
319	22.028	21.978	22.068	VV	466	20861	0.30%	0.018%
320	22.169	22.068	22.291	VV	190033	4800327	67.90%	4.174%
321	22.303	22.291	22.397	VV	223	8331	0.12%	0.007%
322	22.409	22.397	22.428	VV	106	1096	0.02%	0.001%

Sum of corrected areas: 115004478

Aliphatic EPH 011425.M Wed Jan 29 03:46:25 2025

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	FC012425AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166217BS	FC068112.D	n-Tetracosane (C24)	yogesh	1/27/2025 7:58:19 AM	Ankita	1/27/2025 9:08:07	Peak Integrated by Software
PB166217BSD	FC068113.D	n-Tetracosane (C24)	yogesh	1/27/2025 7:58:22 AM	Ankita	1/27/2025 9:08:09	Peak Integrated by Software
Q1169-01	FC068114.D	1-chlorooctadecane (SURR)	yogesh	1/27/2025 7:58:21 AM	Ankita	1/27/2025 9:08:11	Peak Integrated by Software
Q1169-01	FC068114.D	ortho-Terphenyl (SURR)	yogesh	1/27/2025 7:58:21 AM	Ankita	1/27/2025 9:08:11	Peak Integrated by Software
Q1169-05MS	FC068118.D	n-Tetracosane (C24)	yogesh	1/27/2025 7:58:24 AM	Ankita	1/27/2025 9:08:13	Peak Integrated by Software
Q1169-05MSD	FC068119.D	n-Tetracosane (C24)	yogesh	1/27/2025 7:58:25 AM	Ankita	1/27/2025 9:08:16	Peak Integrated by Software
Q1170-01	FC068120.D	1-chlorooctadecane (SURR)	yogesh	1/27/2025 7:58:26 AM	Ankita	1/27/2025 9:08:18	Peak Integrated by Software
Q1170-02	FC068121.D	1-chlorooctadecane (SURR)	yogesh	1/27/2025 7:58:28 AM	Ankita	1/27/2025 9:08:20	Peak Integrated by Software
Q1170-02	FC068121.D	ortho-Terphenyl (SURR)	yogesh	1/27/2025 7:58:28 AM	Ankita	1/27/2025 9:08:20	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068123.D	n-Dotriacontane (C32)	yogesh	1/27/2025 7:58:29 AM	Ankita	1/27/2025 9:08:22	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068123.D	n-Hexatriacontane (C36)	yogesh	1/27/2025 7:58:29 AM	Ankita	1/27/2025 9:08:22	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068123.D	n-Octatriacontane (C38)	yogesh	1/27/2025 7:58:29 AM	Ankita	1/27/2025 9:08:22	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068123.D	n-Tetracontane (C40)	yogesh	1/27/2025 7:58:29 AM	Ankita	1/27/2025 9:08:22	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	FC012425AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	FC012825AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1168-07	FC068136.D	n-Tetracontane (C40)	yogesh	1/29/2025 7:59:53 AM	Ankita	1/29/2025 12:54:49	Peak Integrated by Software
Q1168-07	FC068137.D	n-Decane (C10)	yogesh	1/29/2025 7:59:55 AM	Ankita	1/29/2025 12:54:50	Peak Integrated by Software
Q1168-07	FC068137.D	n-Tetracontane (C40)	yogesh	1/29/2025 7:59:55 AM	Ankita	1/29/2025 12:54:50	Peak Integrated by Software
Q1168-08	FC068138.D	n-Octadecane (C18)	yogesh	1/29/2025 7:59:56 AM	Ankita	1/29/2025 12:54:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD012425AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
5 PPM AROMATIC HC	FD048949.D	Bnezo[k]fluoranthene (C30.14)	yogesh	1/27/2025 7:59:12 AM	Ankita	1/27/2025 9:08:52	Peak Integrated by Software
5 PPM AROMATIC HC	FD048949.D	Dibenz[a,h]anthracene (C30.36)	yogesh	1/27/2025 7:59:12 AM	Ankita	1/27/2025 9:08:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD012825AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1168-07	FD048970.D	Benzo[a]pyrene (C31.34)	yogesh	1/29/2025 12:55:58 PM	Ankita	1/29/2025 2:20:48	Peak Integrated by Software
Q1168-07	FD048970.D	Benzo[g,h,i]perylene (C34.01)	yogesh	1/29/2025 12:55:58 PM	Ankita	1/29/2025 2:20:48	Peak Integrated by Software
Q1168-07	FD048970.D	Dibenz[a,h]anthracene (C30.36)	yogesh	1/29/2025 12:55:58 PM	Ankita	1/29/2025 2:20:48	Peak Integrated by Software
Q1168-07	FD048970.D	Flouorene (C16.55)	yogesh	1/29/2025 12:55:58 PM	Ankita	1/29/2025 2:20:48	Peak Integrated by Software
Q1168-07	FD048970.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	1/29/2025 12:55:58 PM	Ankita	1/29/2025 2:20:48	Peak Integrated by Software
Q1168-07	FD048971.D	Benzo[a]pyrene (C31.34)	yogesh	1/29/2025 12:55:59 PM	Ankita	1/29/2025 2:20:50	Peak Integrated by Software
Q1168-07	FD048971.D	Bnezo[k]fluoranthene (C30.14)	yogesh	1/29/2025 12:55:59 PM	Ankita	1/29/2025 2:20:50	Peak Integrated by Software
Q1168-07	FD048971.D	Chrysene (C27.41)	yogesh	1/29/2025 12:55:59 PM	Ankita	1/29/2025 2:20:50	Peak Integrated by Software
Q1168-07	FD048971.D	Flouorene (C16.55)	yogesh	1/29/2025 12:55:59 PM	Ankita	1/29/2025 2:20:50	Peak Integrated by Software
Q1168-07	FD048971.D	Fluoranthene (C21.85)	yogesh	1/29/2025 12:55:59 PM	Ankita	1/29/2025 2:20:50	Peak Integrated by Software
Q1168-08	FD048972.D	2-Methylnaphthalene (C12.89)	yogesh	1/29/2025 8:00:11 AM	Ankita	1/29/2025 12:55:03	Peak Integrated by Software
Q1168-08	FD048972.D	benzo[b]fluoranthene (C30.41)	yogesh	1/29/2025 8:00:11 AM	Ankita	1/29/2025 12:55:03	Peak Integrated by Software
Q1168-08	FD048972.D	Bnezo[k]fluoranthene (C30.14)	yogesh	1/29/2025 8:00:11 AM	Ankita	1/29/2025 12:55:03	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD012825AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1168-08	FD048972.D	Chrysene (C27.41)	yogesh	1/29/2025 8:00:11 AM	Ankita	1/29/2025 12:55:03	Peak Integrated by Software
Q1168-08	FD048972.D	Dibenz[a,h]anthracene (C30.36)	yogesh	1/29/2025 8:00:11 AM	Ankita	1/29/2025 12:55:03	Peak Integrated by Software
Q1168-08	FD048972.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	1/29/2025 8:00:11 AM	Ankita	1/29/2025 12:55:03	Peak Integrated by Software
Q1168-08	FD048972.D	Naphthalene (C11.7)	yogesh	1/29/2025 8:00:11 AM	Ankita	1/29/2025 12:55:03	Peak Integrated by Software
Q1168-08	FD048972.D	Phenanthrene (C19.36)	yogesh	1/29/2025 8:00:11 AM	Ankita	1/29/2025 12:55:03	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF011425AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FF015238.D	Bnezo[k]fluoranthene (C30.14)	yogesh	1/15/2025 7:42:14 AM	Ankita	1/15/2025 7:46:44	Peak Integrated by Software
100 PPM AROMATIC HC	FF015238.D	Dibenz[a,h]anthracene (C30.36)	yogesh	1/15/2025 7:42:14 AM	Ankita	1/15/2025 7:46:44	Peak Integrated by Software
10 PPM AROMATIC HC	FF015241.D	Benzo[g,h,i]perylene (C34.01)	yogesh	1/15/2025 7:42:15 AM	Ankita	1/15/2025 7:46:45	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF012825AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166218BL	FF015326.D	2-Flurobiphenyl (SURR)	yogesh	1/29/2025 7:58:35 AM	Ankita	1/29/2025 9:15:24	Peak Integrated by Software
PB166218BS	FF015327.D	Bnezo[k]fluoranthene (C30.14)	yogesh	1/29/2025 7:58:37 AM	Ankita	1/29/2025 9:15:26	Peak Integrated by Software
PB166218BS	FF015327.D	Dibenz[a,h]anthracene (C30.36)	yogesh	1/29/2025 7:58:37 AM	Ankita	1/29/2025 9:15:26	Peak Integrated by Software
PB166218BSD	FF015328.D	Bnezo[k]fluoranthene (C30.14)	yogesh	1/29/2025 7:58:38 AM	Ankita	1/29/2025 9:15:27	Peak Integrated by Software
PB166218BSD	FF015328.D	Dibenz[a,h]anthracene (C30.36)	yogesh	1/29/2025 7:58:38 AM	Ankita	1/29/2025 9:15:27	Peak Integrated by Software
Q1168-01	FF015329.D	2-Methylnaphthalene (C12.89)	yogesh	1/29/2025 7:58:41 AM	Ankita	1/29/2025 9:15:29	Peak Integrated by Software
Q1168-01	FF015329.D	Benzo[g,h,i]perylene (C34.01)	yogesh	1/29/2025 7:58:41 AM	Ankita	1/29/2025 9:15:29	Peak Integrated by Software
Q1168-01	FF015329.D	Bnezo[k]fluoranthene (C30.14)	yogesh	1/29/2025 7:58:41 AM	Ankita	1/29/2025 9:15:29	Peak Integrated by Software
Q1168-01	FF015329.D	Chrysene (C27.41)	yogesh	1/29/2025 7:58:41 AM	Ankita	1/29/2025 9:15:29	Peak Integrated by Software
Q1168-01	FF015329.D	Dibenz[a,h]anthracene (C30.36)	yogesh	1/29/2025 7:58:41 AM	Ankita	1/29/2025 9:15:29	Peak Integrated by Software
Q1168-01	FF015329.D	Flouorene (C16.55)	yogesh	1/29/2025 7:58:41 AM	Ankita	1/29/2025 9:15:29	Peak Integrated by Software
Q1168-01	FF015329.D	Fluoranthene (C21.85)	yogesh	1/29/2025 7:58:41 AM	Ankita	1/29/2025 9:15:29	Peak Integrated by Software
Q1168-01	FF015329.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	1/29/2025 7:58:41 AM	Ankita	1/29/2025 9:15:29	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF012825AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1168-01	FF015329.D	Naphthalene (C11.7)	yogesh	1/29/2025 7:58:41 AM	Ankita	1/29/2025 9:15:29	Peak Integrated by Software
Q1168-01	FF015330.D	Benzo[a]anthracene (C26.37)	yogesh	1/29/2025 7:58:42 AM	Ankita	1/29/2025 9:15:30	Peak Integrated by Software
Q1168-01	FF015330.D	benzo[b]fluoranthene (C30.41)	yogesh	1/29/2025 7:58:42 AM	Ankita	1/29/2025 9:15:30	Peak Integrated by Software
Q1168-01	FF015330.D	Bnezo[k]fluoranthene (C30.14)	yogesh	1/29/2025 7:58:42 AM	Ankita	1/29/2025 9:15:30	Peak Integrated by Software
Q1168-01	FF015330.D	Chrysene (C27.41)	yogesh	1/29/2025 7:58:42 AM	Ankita	1/29/2025 9:15:30	Peak Integrated by Software
Q1168-01	FF015330.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	1/29/2025 7:58:42 AM	Ankita	1/29/2025 9:15:30	Peak Integrated by Software
Q1168-01	FF015330.D	Naphthalene (C11.7)	yogesh	1/29/2025 7:58:42 AM	Ankita	1/29/2025 9:15:30	Peak Integrated by Software
Q1168-02	FF015331.D	2-Methylnaphthalene (C12.89)	yogesh	1/29/2025 7:58:44 AM	Ankita	1/29/2025 9:15:32	Peak Integrated by Software
Q1168-02	FF015331.D	Bnezo[k]fluoranthene (C30.14)	yogesh	1/29/2025 7:58:44 AM	Ankita	1/29/2025 9:15:32	Peak Integrated by Software
Q1168-02	FF015331.D	Chrysene (C27.41)	yogesh	1/29/2025 7:58:44 AM	Ankita	1/29/2025 9:15:32	Peak Integrated by Software
Q1168-02	FF015331.D	Flouorene (C16.55)	yogesh	1/29/2025 7:58:44 AM	Ankita	1/29/2025 9:15:32	Peak Integrated by Software
Q1168-02	FF015331.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	1/29/2025 7:58:44 AM	Ankita	1/29/2025 9:15:32	Peak Integrated by Software
Q1168-02	FF015331.D	Naphthalene (C11.7)	yogesh	1/29/2025 7:58:44 AM	Ankita	1/29/2025 9:15:32	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF012825AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1194-01MS	FF015334.D	Bnezo[k]fluoranthene (C30.14)	yogesh	1/29/2025 7:58:46 AM	Ankita	1/29/2025 9:15:33	Peak Integrated by Software
Q1194-01MS	FF015334.D	Dibenz[a,h]anthracene (C30.36)	yogesh	1/29/2025 7:58:46 AM	Ankita	1/29/2025 9:15:33	Peak Integrated by Software
Q1194-01MSD	FF015335.D	Bnezo[k]fluoranthene (C30.14)	yogesh	1/29/2025 7:58:48 AM	Ankita	1/29/2025 9:15:35	Peak Integrated by Software
Q1194-01MSD	FF015335.D	Dibenz[a,h]anthracene (C30.36)	yogesh	1/29/2025 7:58:48 AM	Ankita	1/29/2025 9:15:35	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF012925AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1168-07	FF015355.D	2-Methylnaphthalene (C12.89)	yogesh	1/30/2025 7:41:50 AM	Ankita	1/30/2025 9:16:11	Peak Integrated by Software
Q1168-07	FF015355.D	Benzo[a]pyrene (C31.34)	yogesh	1/30/2025 7:41:50 AM	Ankita	1/30/2025 9:16:11	Peak Integrated by Software
Q1168-07	FF015355.D	benzo[b]fluoranthene (C30.41)	yogesh	1/30/2025 7:41:50 AM	Ankita	1/30/2025 9:16:11	Peak Integrated by Software
Q1168-07	FF015355.D	Bnezo[k]fluoranthene (C30.14)	yogesh	1/30/2025 7:41:50 AM	Ankita	1/30/2025 9:16:11	Peak Integrated by Software
Q1168-07	FF015355.D	Chrysene (C27.41)	yogesh	1/30/2025 7:41:50 AM	Ankita	1/30/2025 9:16:11	Peak Integrated by Software
Q1168-07	FF015355.D	Dibenz[a,h]anthracene (C30.36)	yogesh	1/30/2025 7:41:50 AM	Ankita	1/30/2025 9:16:11	Peak Integrated by Software
Q1168-07	FF015355.D	Flouorene (C16.55)	yogesh	1/30/2025 7:41:50 AM	Ankita	1/30/2025 9:16:11	Peak Integrated by Software
Q1168-07	FF015355.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	1/30/2025 7:41:50 AM	Ankita	1/30/2025 9:16:11	Peak Integrated by Software
Q1168-07	FF015355.D	Naphthalene (C11.7)	yogesh	1/30/2025 7:41:50 AM	Ankita	1/30/2025 9:16:11	Peak Integrated by Software
Q1168-07	FF015356.D	2-Methylnaphthalene (C12.89)	yogesh	1/30/2025 7:41:51 AM	Ankita	1/30/2025 9:16:12	Peak Integrated by Software
Q1168-07	FF015356.D	Acenaphthylene (C15.06)	yogesh	1/30/2025 7:41:51 AM	Ankita	1/30/2025 9:16:12	Peak Integrated by Software
Q1168-07	FF015356.D	Benzo[a]anthracene (C26.37)	yogesh	1/30/2025 7:41:51 AM	Ankita	1/30/2025 9:16:12	Peak Integrated by Software
Q1168-07	FF015356.D	benzo[b]fluoranthene (C30.41)	yogesh	1/30/2025 7:41:51 AM	Ankita	1/30/2025 9:16:12	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF012925AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1168-07	FF015356.D	Chrysene (C27.41)	yogesh	1/30/2025 7:41:51 AM	Ankita	1/30/2025 9:16:12	Peak Integrated by Software
Q1168-07	FF015356.D	Flouorene (C16.55)	yogesh	1/30/2025 7:41:51 AM	Ankita	1/30/2025 9:16:12	Peak Integrated by Software
Q1168-07	FF015356.D	Naphthalene (C11.7)	yogesh	1/30/2025 7:41:51 AM	Ankita	1/30/2025 9:16:12	Peak Integrated by Software
Q1168-08	FF015357.D	Benzo[a]anthracene (C26.37)	yogesh	1/30/2025 7:41:53 AM	Ankita	1/30/2025 9:16:13	Peak Integrated by Software
Q1168-08	FF015357.D	Flouorene (C16.55)	yogesh	1/30/2025 7:41:53 AM	Ankita	1/30/2025 9:16:13	Peak Integrated by Software
Q1168-08	FF015357.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	1/30/2025 7:41:53 AM	Ankita	1/30/2025 9:16:13	Peak Integrated by Software
Q1168-08	FF015357.D	Naphthalene (C11.7)	yogesh	1/30/2025 7:41:53 AM	Ankita	1/30/2025 9:16:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG011425AL	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	FG012825AL	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1168-01	FG015187.D	n-Docosane (C22)	yogesh	1/29/2025 7:59:39 AM	Ankita	1/29/2025 2:20:40	Peak Integrated by Software
20 PPM ALIPHATIC HC	FG015197.D	n-Docosane (C22)	yogesh	1/29/2025 7:59:41 AM	Ankita	1/29/2025 2:20:42	Peak Integrated by Software

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC012425AL

Review By	yogesh	Review On	1/24/2025 12:20:40 PM		
Supervise By	Ankita	Supervise On	1/27/2025 9:08:46 AM		
SubDirectory	FC012425AL	HP Acquire Method		HP Processing Method	FC012425AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068101.D	24 Jan 2025 07:37	YP/AJ	Ok
2	I.BLK	FC068102.D	24 Jan 2025 08:12	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068103.D	24 Jan 2025 08:47	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068104.D	24 Jan 2025 09:23	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068105.D	24 Jan 2025 09:58	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068106.D	24 Jan 2025 10:34	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068107.D	24 Jan 2025 11:10	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC068108.D	24 Jan 2025 11:46	YP/AJ	Ok
9	I.BLK	FC068109.D	24 Jan 2025 12:23	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068110.D	24 Jan 2025 12:59	YP/AJ	Ok
11	PB166217BL	FC068111.D	24 Jan 2025 13:36	YP/AJ	Ok
12	PB166217BS	FC068112.D	24 Jan 2025 14:12	YP/AJ	Ok,M
13	PB166217BSD	FC068113.D	24 Jan 2025 14:50	YP/AJ	Ok,M
14	Q1169-01	FC068114.D	24 Jan 2025 15:26	YP/AJ	Dilution
15	Q1169-03	FC068115.D	24 Jan 2025 16:03	YP/AJ	Ok
16	Q1169-05	FC068116.D	24 Jan 2025 16:39	YP/AJ	Ok
17	Q1169-05D	FC068117.D	24 Jan 2025 17:17	YP/AJ	Ok
18	Q1169-05MS	FC068118.D	24 Jan 2025 17:53	YP/AJ	Ok,M
19	Q1169-05MSD	FC068119.D	24 Jan 2025 18:30	YP/AJ	Ok,M
20	Q1170-01	FC068120.D	24 Jan 2025 19:06	YP/AJ	Ok,M
21	Q1170-02	FC068121.D	24 Jan 2025 19:43	YP/AJ	Ok,M

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC012425AL

Review By	yogesh	Review On	1/24/2025 12:20:40 PM		
Supervise By	Ankita	Supervise On	1/27/2025 9:08:46 AM		
SubDirectory	FC012425AL	HP Acquire Method		HP Processing Method	FC012425AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	I.BLK	FC068122.D	24 Jan 2025 20:57	YP/AJ	Ok
23	20 PPM ALIPHATIC HC STD	FC068123.D	24 Jan 2025 21:33	YP/AJ	Ok,M

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC012825AL

Review By	yogesh	Review On	1/28/2025 12:54:30 PM		
Supervise By	Ankita	Supervise On	1/29/2025 12:54:55 PM		
SubDirectory	FC012825AL	HP Acquire Method		HP Processing Method	FC012425AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068130.D	28 Jan 2025 09:40	YP/AJ	Ok
2	I.BLK	FC068131.D	28 Jan 2025 10:17	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068132.D	28 Jan 2025 15:06	YP/AJ	Ok
4	PB166219BL	FC068133.D	28 Jan 2025 15:42	YP/AJ	Ok
5	PB166219BS	FC068134.D	28 Jan 2025 16:18	YP/AJ	Ok
6	PB166219BSD	FC068135.D	28 Jan 2025 16:55	YP/AJ	Ok
7	Q1168-07	FC068136.D	28 Jan 2025 17:31	YP/AJ	Ok,M
8	Q1168-07	FC068137.D	28 Jan 2025 18:07	YP/AJ	Ok,M
9	Q1168-08	FC068138.D	28 Jan 2025 18:43	YP/AJ	Ok,M
10	Q1194-08	FC068139.D	28 Jan 2025 19:20	YP/AJ	Ok
11	I.BLK	FC068140.D	28 Jan 2025 20:35	YP/AJ	Ok
12	20 PPM ALIPHATIC HC STD	FC068141.D	28 Jan 2025 21:12	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD012425AR

Review By	yogesh	Review On	1/24/2025 12:21:39 PM		
Supervise By	Ankita	Supervise On	1/27/2025 9:08:56 AM		
SubDirectory	FD012425AR	HP Acquire Method		HP Processing Method	FD012425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048943.D	24 Jan 2025 07:37	YP/AJ	Ok
2	I.BLK	FD048944.D	24 Jan 2025 08:12	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD048945.D	24 Jan 2025 08:47	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD048946.D	24 Jan 2025 09:23	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD048947.D	24 Jan 2025 09:58	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD048948.D	24 Jan 2025 10:34	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD048949.D	24 Jan 2025 11:10	YP/AJ	Ok,M
8	20 PPM AROMATIC HC STD ICV	FD048950.D	24 Jan 2025 11:46	YP/AJ	Ok
9	I.BLK	FD048951.D	24 Jan 2025 12:23	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048952.D	24 Jan 2025 12:59	YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD012825AR

Review By	yogesh	Review On	1/28/2025 12:55:24 PM		
Supervise By	Ankita	Supervise On	1/29/2025 12:55:06 PM		
SubDirectory	FD012825AR	HP Acquire Method		HP Processing Method	FD012425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048964.D	28 Jan 2025 09:40	YP/AJ	Ok
2	I.BLK	FD048965.D	28 Jan 2025 10:17	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048966.D	28 Jan 2025 15:06	YP/AJ	Ok
4	PB166219BL	FD048967.D	28 Jan 2025 15:42	YP/AJ	Ok
5	PB166219BS	FD048968.D	28 Jan 2025 16:18	YP/AJ	Ok
6	PB166219BSD	FD048969.D	28 Jan 2025 16:55	YP/AJ	Ok
7	Q1168-07	FD048970.D	28 Jan 2025 17:31	YP/AJ	Ok,M
8	Q1168-07	FD048971.D	28 Jan 2025 18:07	YP/AJ	Ok,M
9	Q1168-08	FD048972.D	28 Jan 2025 18:43	YP/AJ	Ok,M
10	Q1194-08	FD048973.D	28 Jan 2025 19:20	YP/AJ	Ok
11	I.BLK	FD048974.D	28 Jan 2025 20:35	YP/AJ	Ok
12	20 PPM AROMATIC HC STD	FD048975.D	28 Jan 2025 21:12	YP/AJ	Ok

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF011425AR

Review By	yogesh	Review On	1/14/2025 2:48:03 PM		
Supervise By	Ankita	Supervise On	1/15/2025 7:46:50 AM		
SubDirectory	FF011425AR	HP Acquire Method		HP Processing Method	FF011425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015236.D	14 Jan 2025 17:48	YP\AJ	Ok
2	I,BLK	FF015237.D	14 Jan 2025 18:17	YP\AJ	Ok
3	100 PPM AROMATIC HC STD1	FF015238.D	14 Jan 2025 18:45	YP\AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FF015239.D	14 Jan 2025 19:13	YP\AJ	Ok
5	20 PPM AROMATIC HC STD3	FF015240.D	14 Jan 2025 19:42	YP\AJ	Ok
6	10 PPM AROMATIC HC STD4	FF015241.D	14 Jan 2025 20:10	YP\AJ	Ok,M
7	5 PPM AROMATIC HC STD5	FF015242.D	14 Jan 2025 20:39	YP\AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FF015243.D	14 Jan 2025 21:35	YP\AJ	Ok
9	I.BLK	FF015244.D	14 Jan 2025 22:04	YP\AJ	Ok
10	20 PPM AROMATIC HC STD	FF015245.D	14 Jan 2025 22:32	YP\AJ	Ok

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF012825AR

Review By	yogesh	Review On	1/28/2025 12:11:14 PM		
Supervise By	Ankita	Supervise On	1/29/2025 9:15:39 AM		
SubDirectory	FF012825AR	HP Acquire Method		HP Processing Method	FF011425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015323.D	28 Jan 2025 10:57	YP\AJ	Ok
2	I.BLK	FF015324.D	28 Jan 2025 11:26	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FF015325.D	28 Jan 2025 14:00	YP\AJ	Ok
4	PB166218BL	FF015326.D	28 Jan 2025 15:52	YP\AJ	Ok,M
5	PB166218BS	FF015327.D	28 Jan 2025 16:20	YP\AJ	Ok,M
6	PB166218BSD	FF015328.D	28 Jan 2025 16:49	YP\AJ	Ok,M
7	Q1168-01	FF015329.D	28 Jan 2025 17:17	YP\AJ	Ok,M
8	Q1168-01	FF015330.D	28 Jan 2025 17:46	YP\AJ	Ok,M
9	Q1168-02	FF015331.D	28 Jan 2025 18:14	YP\AJ	Ok,M
10	Q1194-01	FF015332.D	28 Jan 2025 18:43	YP\AJ	Ok
11	Q1194-01D	FF015333.D	28 Jan 2025 19:11	YP\AJ	Ok
12	Q1194-01MS	FF015334.D	28 Jan 2025 19:40	YP\AJ	Ok,M
13	Q1194-01MSD	FF015335.D	28 Jan 2025 20:08	YP\AJ	Ok,M
14	Q1194-02	FF015336.D	28 Jan 2025 20:37	YP\AJ	ReRun
15	Q1194-03	FF015337.D	28 Jan 2025 21:05	YP\AJ	Ok
16	Q1194-04	FF015338.D	28 Jan 2025 21:34	YP\AJ	Ok
17	I.BLK	FF015339.D	28 Jan 2025 22:31	YP\AJ	Ok
18	20 PPM AROMATIC HC STD	FF015340.D	28 Jan 2025 22:59	YP\AJ	Ok

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF012925AR

Review By	yogesh	Review On	1/29/2025 10:35:06 AM		
Supervise By	Ankita	Supervise On	1/30/2025 9:16:16 AM		
SubDirectory	FF012925AR	HP Acquire Method		HP Processing Method	FF011425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015350.D	29 Jan 2025 07:50	YP\AJ	Ok
2	I.BLK	FF015351.D	29 Jan 2025 08:18	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FF015352.D	29 Jan 2025 09:16	YP\AJ	Ok
4	Q1194-02	FF015353.D	29 Jan 2025 09:48	YP\AJ	Ok
5	PB166219BL	FF015354.D	29 Jan 2025 10:16	YP\AJ	Ok
6	Q1168-07	FF015355.D	29 Jan 2025 10:45	YP\AJ	Ok,M
7	Q1168-07	FF015356.D	29 Jan 2025 11:13	YP\AJ	Ok,M
8	Q1168-08	FF015357.D	29 Jan 2025 11:42	YP\AJ	Ok,M
9	I.BLK	FF015358.D	29 Jan 2025 12:10	YP\AJ	Ok
10	20 PPM AROMATIC HC STD	FF015359.D	29 Jan 2025 12:39	YP\AJ	Ok

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG011425AL

Review By	yogesh	Review On	1/14/2025 11:46:37 AM		
Supervise By	Ankita	Supervise On	1/15/2025 7:45:46 AM		
SubDirectory	FG011425AL	HP Acquire Method		HP Processing Method	FG011425AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	I.BLK	FG015064.D	14 Jan 2025 09:07	YP\AJ	Ok
2	100 PPM ALIPHATIC HC STD1	FG015065.D	14 Jan 2025 09:35	YP\AJ	Ok
3	50 PPM ALIPHATIC HC STD2	FG015066.D	14 Jan 2025 10:04	YP\AJ	Ok
4	20 PPM ALIPHATIC HC STD3	FG015067.D	14 Jan 2025 10:32	YP\AJ	Ok
5	10 PPM ALIPHATIC HC STD4	FG015068.D	14 Jan 2025 11:00	YP\AJ	Ok
6	5 PPM ALIPHATIC HC STD5	FG015069.D	14 Jan 2025 11:29	YP\AJ	Ok
7	20 PPM ALIPHATIC HC STD ICV	FG015070.D	14 Jan 2025 11:57	YP\AJ	Ok
8	I.BLK	FG015071.D	14 Jan 2025 12:26	YP\AJ	Ok
9	20 PPM ALIPHATIC HC STD	FG015072.D	14 Jan 2025 12:54	YP\AJ	Ok

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG012825AL

Review By	yogesh	Review On	1/28/2025 12:12:10 PM		
Supervise By	Ankita	Supervise On	1/29/2025 3:56:40 PM		
SubDirectory	FG012825AL	HP Acquire Method		HP Processing Method	FG011425AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015180.D	28 Jan 2025 10:57	YP\AJ	Ok
2	I.BLK	FG015181.D	28 Jan 2025 11:26	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FG015182.D	28 Jan 2025 14:00	YP\AJ	Ok
4	PB166218BL	FG015183.D	28 Jan 2025 15:52	YP\AJ	Ok
5	PB166218BS	FG015184.D	28 Jan 2025 16:20	YP\AJ	Ok
6	PB166218BSD	FG015185.D	28 Jan 2025 16:49	YP\AJ	Ok
7	Q1168-01	FG015186.D	28 Jan 2025 17:17	YP\AJ	Ok
8	Q1168-01	FG015187.D	28 Jan 2025 17:46	YP\AJ	Ok,M
9	Q1168-02	FG015188.D	28 Jan 2025 18:14	YP\AJ	Ok
10	Q1194-01	FG015189.D	28 Jan 2025 18:43	YP\AJ	Ok
11	Q1194-01D	FG015190.D	28 Jan 2025 19:11	YP\AJ	Ok
12	Q1194-01MS	FG015191.D	28 Jan 2025 19:40	YP\AJ	Ok
13	Q1194-01MSD	FG015192.D	28 Jan 2025 20:08	YP\AJ	Ok
14	Q1194-02	FG015193.D	28 Jan 2025 20:37	YP\AJ	Ok
15	Q1194-03	FG015194.D	28 Jan 2025 21:05	YP\AJ	Ok
16	Q1194-04	FG015195.D	28 Jan 2025 21:34	YP\AJ	Ok
17	I.BLK	FG015196.D	28 Jan 2025 22:31	YP\AJ	Ok
18	20 PPM ALIPHATIC HC STD	FG015197.D	28 Jan 2025 22:59	YP\AJ	Ok,M

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC012425AL

Review By	yogesh	Review On	1/24/2025 12:20:40 PM		
Supervise By	Ankita	Supervise On	1/27/2025 9:08:46 AM		
SubDirectory	FC012425AL	HP Acquire Method		HP Processing Method	FC012425AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068101.D	24 Jan 2025 07:37		YP/AJ	Ok
2	I.BLK	I.BLK	FC068102.D	24 Jan 2025 08:12		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC068103.D	24 Jan 2025 08:47		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068104.D	24 Jan 2025 09:23		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068105.D	24 Jan 2025 09:58		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068106.D	24 Jan 2025 10:34		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068107.D	24 Jan 2025 11:10		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068108.D	24 Jan 2025 11:46		YP/AJ	Ok
9	I.BLK	I.BLK	FC068109.D	24 Jan 2025 12:23		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068110.D	24 Jan 2025 12:59		YP/AJ	Ok
11	PB166217BL	PB166217BL	FC068111.D	24 Jan 2025 13:36		YP/AJ	Ok
12	PB166217BS	PB166217BS	FC068112.D	24 Jan 2025 14:12		YP/AJ	Ok,M
13	PB166217BSD	PB166217BSD	FC068113.D	24 Jan 2025 14:50		YP/AJ	Ok,M
14	Q1169-01	ARS20-0006	FC068114.D	24 Jan 2025 15:26	need 5x dilution	YP/AJ	Dilution
15	Q1169-03	REGULATOR-BUILDIN	FC068115.D	24 Jan 2025 16:03		YP/AJ	Ok
16	Q1169-05	SPILL-SITE	FC068116.D	24 Jan 2025 16:39		YP/AJ	Ok
17	Q1169-05D	Q1169-05D	FC068117.D	24 Jan 2025 17:17		YP/AJ	Ok
18	Q1169-05MS	SPILL-SITEMS	FC068118.D	24 Jan 2025 17:53	FC068116.D	YP/AJ	Ok,M

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC012425AL

Review By	yogesh	Review On	1/24/2025 12:20:40 PM		
Supervise By	Ankita	Supervise On	1/27/2025 9:08:46 AM		
SubDirectory	FC012425AL	HP Acquire Method		HP Processing Method	FC012425AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1169-05MSD	SPILL-SITEMSD	FC068119.D	24 Jan 2025 18:30	FC068116.D!FC068118.D	YP/AJ	Ok,M
20	Q1170-01	OR-03-01232025	FC068120.D	24 Jan 2025 19:06		YP/AJ	Ok,M
21	Q1170-02	OR-03-01232025-E2	FC068121.D	24 Jan 2025 19:43		YP/AJ	Ok,M
22	I.BLK	I.BLK	FC068122.D	24 Jan 2025 20:57		YP/AJ	Ok
23	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068123.D	24 Jan 2025 21:33		YP/AJ	Ok,M

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC012825AL

Review By	yogesh	Review On	1/28/2025 12:54:30 PM		
Supervise By	Ankita	Supervise On	1/29/2025 12:54:55 PM		
SubDirectory	FC012825AL	HP Acquire Method		HP Processing Method	FC012425AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068130.D	28 Jan 2025 09:40		YP/AJ	Ok
2	I.BLK	I.BLK	FC068131.D	28 Jan 2025 10:17		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068132.D	28 Jan 2025 15:06		YP/AJ	Ok
4	PB166219BL	PB166219BL	FC068133.D	28 Jan 2025 15:42		YP/AJ	Ok
5	PB166219BS	PB166219BS	FC068134.D	28 Jan 2025 16:18		YP/AJ	Ok
6	PB166219BSD	PB166219BSD	FC068135.D	28 Jan 2025 16:55		YP/AJ	Ok
7	Q1168-07	LOD-MDL-WATER-01-(	FC068136.D	28 Jan 2025 17:31	2.5 PPM WATER LOD	YP/AJ	Ok,M
8	Q1168-07	LOD-MDL-WATER-01-(	FC068137.D	28 Jan 2025 18:07	4 PPM WATER LOD	YP/AJ	Ok,M
9	Q1168-08	LOQ-WATER-02-QT1-2	FC068138.D	28 Jan 2025 18:43	5 PPM WATER LOQ	YP/AJ	Ok,M
10	Q1194-08	EB	FC068139.D	28 Jan 2025 19:20		YP/AJ	Ok
11	I.BLK	I.BLK	FC068140.D	28 Jan 2025 20:35		YP/AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068141.D	28 Jan 2025 21:12		YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD012425AR

Review By	yogesh	Review On	1/24/2025 12:21:39 PM		
Supervise By	Ankita	Supervise On	1/27/2025 9:08:56 AM		
SubDirectory	FD012425AR	HP Acquire Method		HP Processing Method	FD012425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048943.D	24 Jan 2025 07:37		YP/AJ	Ok
2	I.BLK	I.BLK	FD048944.D	24 Jan 2025 08:12		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD048945.D	24 Jan 2025 08:47		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD048946.D	24 Jan 2025 09:23		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048947.D	24 Jan 2025 09:58		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD048948.D	24 Jan 2025 10:34		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD048949.D	24 Jan 2025 11:10		YP/AJ	Ok,M
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048950.D	24 Jan 2025 11:46		YP/AJ	Ok
9	I.BLK	I.BLK	FD048951.D	24 Jan 2025 12:23		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048952.D	24 Jan 2025 12:59		YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD012825AR

Review By	yogesh	Review On	1/28/2025 12:55:24 PM		
Supervise By	Ankita	Supervise On	1/29/2025 12:55:06 PM		
SubDirectory	FD012825AR	HP Acquire Method		HP Processing Method	FD012425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048964.D	28 Jan 2025 09:40		YP/AJ	Ok
2	I.BLK	I.BLK	FD048965.D	28 Jan 2025 10:17		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048966.D	28 Jan 2025 15:06		YP/AJ	Ok
4	PB166219BL	PB166219BL	FD048967.D	28 Jan 2025 15:42		YP/AJ	Ok
5	PB166219BS	PB166219BS	FD048968.D	28 Jan 2025 16:18		YP/AJ	Ok
6	PB166219BSD	PB166219BSD	FD048969.D	28 Jan 2025 16:55		YP/AJ	Ok
7	Q1168-07	LOD-MDL-WATER-01-(	FD048970.D	28 Jan 2025 17:31	2.5 PPM WATER LOD	YP/AJ	Ok,M
8	Q1168-07	LOD-MDL-WATER-01-(	FD048971.D	28 Jan 2025 18:07	4 PPM WATER LOD	YP/AJ	Ok,M
9	Q1168-08	LOQ-WATER-02-QT1-2	FD048972.D	28 Jan 2025 18:43	5 PPM WATER LOQ	YP/AJ	Ok,M
10	Q1194-08	EB	FD048973.D	28 Jan 2025 19:20		YP/AJ	Ok
11	I.BLK	I.BLK	FD048974.D	28 Jan 2025 20:35		YP/AJ	Ok
12	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048975.D	28 Jan 2025 21:12		YP/AJ	Ok

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF011425AR

Review By	yogesh	Review On	1/14/2025 2:48:03 PM		
Supervise By	Ankita	Supervise On	1/15/2025 7:46:50 AM		
SubDirectory	FF011425AR	HP Acquire Method		HP Processing Method	FF011425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF015236.D	14 Jan 2025 17:48		YP\AJ	Ok
2	I,BLK	I,BLK	FF015237.D	14 Jan 2025 18:17		YP\AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FF015238.D	14 Jan 2025 18:45		YP\AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FF015239.D	14 Jan 2025 19:13		YP\AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015240.D	14 Jan 2025 19:42		YP\AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FF015241.D	14 Jan 2025 20:10		YP\AJ	Ok,M
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FF015242.D	14 Jan 2025 20:39		YP\AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015243.D	14 Jan 2025 21:35		YP\AJ	Ok
9	I.BLK	I.BLK	FF015244.D	14 Jan 2025 22:04		YP\AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015245.D	14 Jan 2025 22:32		YP\AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF012825AR

Review By	yogesh	Review On	1/28/2025 12:11:14 PM		
Supervise By	Ankita	Supervise On	1/29/2025 9:15:39 AM		
SubDirectory	FF012825AR	HP Acquire Method		HP Processing Method	FF011425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF015323.D	28 Jan 2025 10:57		YP\AJ	Ok
2	I.BLK	I.BLK	FF015324.D	28 Jan 2025 11:26		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015325.D	28 Jan 2025 14:00		YP\AJ	Ok
4	PB166218BL	PB166218BL	FF015326.D	28 Jan 2025 15:52		YP\AJ	Ok,M
5	PB166218BS	PB166218BS	FF015327.D	28 Jan 2025 16:20		YP\AJ	Ok,M
6	PB166218BSD	PB166218BSD	FF015328.D	28 Jan 2025 16:49		YP\AJ	Ok,M
7	Q1168-01	LOD-MDL-SOIL-01-QT	FF015329.D	28 Jan 2025 17:17	2.5 PPM SOIL LOD	YP\AJ	Ok,M
8	Q1168-01	LOD-MDL-SOIL-01-QT	FF015330.D	28 Jan 2025 17:46	4 PPM SOIL LOD	YP\AJ	Ok,M
9	Q1168-02	LOQ-SOIL-02-QT1-202	FF015331.D	28 Jan 2025 18:14	5 PPM SOIL LOQ	YP\AJ	Ok,M
10	Q1194-01	B-110-SB01	FF015332.D	28 Jan 2025 18:43		YP\AJ	Ok
11	Q1194-01D	Q1194-01D	FF015333.D	28 Jan 2025 19:11		YP\AJ	Ok
12	Q1194-01MS	B-110-SB01MS	FF015334.D	28 Jan 2025 19:40	FF015332.D	YP\AJ	Ok,M
13	Q1194-01MSD	B-110-SB01MSD	FF015335.D	28 Jan 2025 20:08	FF015332.D!FF015334.D	YP\AJ	Ok,M
14	Q1194-02	Q1194-02	FF015336.D	28 Jan 2025 20:37	Surr Fail	YP\AJ	ReRun
15	Q1194-03	B-113-SB01	FF015337.D	28 Jan 2025 21:05		YP\AJ	Ok
16	Q1194-04	B-113-SB02	FF015338.D	28 Jan 2025 21:34		YP\AJ	Ok
17	I.BLK	I.BLK	FF015339.D	28 Jan 2025 22:31		YP\AJ	Ok
18	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015340.D	28 Jan 2025 22:59		YP\AJ	Ok

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF012825AR

Review By	yogesh	Review On	1/28/2025 12:11:14 PM		
Supervise By	Ankita	Supervise On	1/29/2025 9:15:39 AM		
SubDirectory	FF012825AR	HP Acquire Method		HP Processing Method	FF011425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF012925AR

Review By	yogesh	Review On	1/29/2025 10:35:06 AM		
Supervise By	Ankita	Supervise On	1/30/2025 9:16:16 AM		
SubDirectory	FF012925AR	HP Acquire Method		HP Processing Method	FF011425AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF015350.D	29 Jan 2025 07:50		YP\AJ	Ok
2	I.BLK	I.BLK	FF015351.D	29 Jan 2025 08:18		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015352.D	29 Jan 2025 09:16		YP\AJ	Ok
4	Q1194-02	B-110-SB02	FF015353.D	29 Jan 2025 09:48		YP\AJ	Ok
5	PB166219BL	PB166219BL	FF015354.D	29 Jan 2025 10:16		YP\AJ	Ok
6	Q1168-07	LOD-MDL-WATER-01-(	FF015355.D	29 Jan 2025 10:45	2.5 PPM WATER LOD	YP\AJ	Ok,M
7	Q1168-07	LOD-MDL-WATER-01-(	FF015356.D	29 Jan 2025 11:13	4 PPM WATER LOD	YP\AJ	Ok,M
8	Q1168-08	LOQ-WATER-02-QT1-2	FF015357.D	29 Jan 2025 11:42	5 PPM WATER LOQ	YP\AJ	Ok,M
9	I.BLK	I.BLK	FF015358.D	29 Jan 2025 12:10		YP\AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015359.D	29 Jan 2025 12:39		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG011425AL

Review By	yogesh	Review On	1/14/2025 11:46:37 AM		
Supervise By	Ankita	Supervise On	1/15/2025 7:45:46 AM		
SubDirectory	FG011425AL	HP Acquire Method		HP Processing Method	FG011425AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	I.BLK	I.BLK	FG015064.D	14 Jan 2025 09:07		YP\AJ	Ok
2	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FG015065.D	14 Jan 2025 09:35		YP\AJ	Ok
3	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FG015066.D	14 Jan 2025 10:04		YP\AJ	Ok
4	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG015067.D	14 Jan 2025 10:32		YP\AJ	Ok
5	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FG015068.D	14 Jan 2025 11:00		YP\AJ	Ok
6	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FG015069.D	14 Jan 2025 11:29		YP\AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG015070.D	14 Jan 2025 11:57		YP\AJ	Ok
8	I.BLK	I.BLK	FG015071.D	14 Jan 2025 12:26		YP\AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG015072.D	14 Jan 2025 12:54		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG012825AL

Review By	yogesh	Review On	1/28/2025 12:12:10 PM		
Supervise By	Ankita	Supervise On	1/29/2025 3:56:40 PM		
SubDirectory	FG012825AL	HP Acquire Method		HP Processing Method	FG011425AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG015180.D	28 Jan 2025 10:57		YP\AJ	Ok
2	I.BLK	I.BLK	FG015181.D	28 Jan 2025 11:26		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG015182.D	28 Jan 2025 14:00		YP\AJ	Ok
4	PB166218BL	PB166218BL	FG015183.D	28 Jan 2025 15:52		YP\AJ	Ok
5	PB166218BS	PB166218BS	FG015184.D	28 Jan 2025 16:20		YP\AJ	Ok
6	PB166218BSD	PB166218BSD	FG015185.D	28 Jan 2025 16:49		YP\AJ	Ok
7	Q1168-01	LOD-MDL-SOIL-01-QT	FG015186.D	28 Jan 2025 17:17	2.5 PPM SOIL LOD	YP\AJ	Ok
8	Q1168-01	LOD-MDL-SOIL-01-QT	FG015187.D	28 Jan 2025 17:46	4 PPM SOIL LOD	YP\AJ	Ok,M
9	Q1168-02	LOQ-SOIL-02-QT1-202	FG015188.D	28 Jan 2025 18:14	5 PPM SOIL LOQ	YP\AJ	Ok
10	Q1194-01	B-110-SB01	FG015189.D	28 Jan 2025 18:43		YP\AJ	Ok
11	Q1194-01D	Q1194-01D	FG015190.D	28 Jan 2025 19:11		YP\AJ	Ok
12	Q1194-01MS	B-110-SB01MS	FG015191.D	28 Jan 2025 19:40	FG015189.D	YP\AJ	Ok
13	Q1194-01MSD	B-110-SB01MSD	FG015192.D	28 Jan 2025 20:08	FG015189.D!FG015191.D	YP\AJ	Ok
14	Q1194-02	B-110-SB02	FG015193.D	28 Jan 2025 20:37		YP\AJ	Ok
15	Q1194-03	B-113-SB01	FG015194.D	28 Jan 2025 21:05		YP\AJ	Ok
16	Q1194-04	B-113-SB02	FG015195.D	28 Jan 2025 21:34		YP\AJ	Ok
17	I.BLK	I.BLK	FG015196.D	28 Jan 2025 22:31		YP\AJ	Ok
18	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG015197.D	28 Jan 2025 22:59		YP\AJ	Ok,M

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG012825AL

Review By	yogesh	Review On	1/28/2025 12:12:10 PM		
Supervise By	Ankita	Supervise On	1/29/2025 3:56:40 PM		
SubDirectory	FG012825AL	HP Acquire Method		HP Processing Method	FG011425AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166218

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	01/28/2025
Matrix :	Solid			**Extraction Start Time :**	08:30
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	01/28/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	15:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24092
Surrogate	1.0ML	100 PPM	PP24119
Fractionation Surrogate	1.0ML	100 PPM	PP24108
LOD	0.25ML/0.4ML	20 PPM	PP24131
LOQ	0.5ML	20 PPM	PP24131

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2578
Baked Na2SO4	N/A	EP2580
Sand	N/A	E2865
Hexane	N/A	E3868
Methylene Chloride	N/A	E3871
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/28/25	RP (Ext Lab)	M-P-PGHP US.
15:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166218

Analytical Method: MNJDEP-EPH-7 **Concentration Date:** 01/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166218BL	PB166218BL	EPH	30.01	N/A	RUPESH	ritesh	2			U3-1
PB166218BS	PB166218BS	EPH	30.02	N/A	RUPESH	ritesh	2			2
PB166218BSD	PB166218BSD	EPH	30.01	N/A	RUPESH	ritesh	2			3
Q1168-01	LOD-MDL-SOIL-01-QT1-2025 0.25 ML	EPH	30.04	N/A	RUPESH	ritesh	2			4
Q1168-02	LOQ-SOIL-02-QT1-2025 0.5ML	EPH	30.02	N/A	RUPESH	ritesh	2			5
Q1194-01	B-110-SB01	EPH	30.09	N/A	RUPESH	ritesh	2	E		6
Q1194-01DUP	B-110-SB01DUP	EPH	30.07	N/A	RUPESH	ritesh	2	E		U2-1
Q1194-01MS	B-110-SB01MS	EPH	30.08	N/A	RUPESH	ritesh	2	E		2
Q1194-01MSD	B-110-SB01MSD	EPH	30.05	N/A	RUPESH	ritesh	2	E		3
Q1194-02	B-110-SB02	EPH	30.03	N/A	RUPESH	ritesh	2	E		4
Q1194-03	B-113-SB01	EPH	30.06	N/A	RUPESH	ritesh	2	E		5
Q1194-04	B-113-SB02	EPH	30.02	N/A	RUPESH	ritesh	2	E		6
	LOD 0.4 ML	↑	30.00	↑	↑	↑	2			U2-2

* **Extracts relinquished on the same date as received.**

01.29.25

168 24 8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1194N **WorkList ID :** 187197 **Department :** Extraction **Date :** 01-28-2025 08:28:49

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1168-01	LOD-MDL-SOIL-01-QT1-2025	Solid	EPH	Cool 4 deg C	CHEM02	QA Of	01/23/2025	NJEPH
Q1168-02	LOQ-SOIL-02-QT1-2025	Solid	EPH	Cool 4 deg C	CHEM02	QA Of	01/23/2025	NJEPH
Q1194-01	B-110-SB01	Solid	EPH	Cool 4 deg C	PORT06	N41	01/25/2025	NJEPH
Q1194-02	B-110-SB02	Solid	EPH	Cool 4 deg C	PORT06	N41	01/25/2025	NJEPH
Q1194-03	B-113-SB01	Solid	EPH	Cool 4 deg C	PORT06	N41	01/25/2025	NJEPH
Q1194-04	B-113-SB02	Solid	EPH	Cool 4 deg C	PORT06	N41	01/25/2025	NJEPH

Date/Time 01/28/25 8:28
Raw Sample Received by: RJ (Eat Lab)
Raw Sample Relinquished by: JDC (Sm)

Date/Time 01/28/25 9:00
Raw Sample Received by: JDC (Sm)
Raw Sample Relinquished by: RJ (Eat Lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166219

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 01/28/2025

Extraction Start Time : 08:31

Extraction End Date : 01/28/2025

Extraction End Time : 14:50

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24092
Surrogate	1.0ML	100 PPM	PP24119
Fractionation Surrogate	1.0ML	100 PPM	PP24108
LOD	0.25ML/0.4ML	20 PPM	PP24131
LOQ	0.5ML	20 PPM	PP24131

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3871
Baked Na2SO4	N/A	EP2580
Hexane	N/A	E3868
6N HCL	N/A	EP2569
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/28/25	RP (Ext Lab)	T.P.-Pest/PCB
14:55	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166219

Analytical Method: MNJDEP-EPH-7

Concentration Date: 01/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166219BL	PB166219BL	EPH	1000	<2	RUPESH	ritesh	2			SEP-1
PB166219BS	PB166219BS	EPH	1000	<2	RUPESH	ritesh	2			2
PB166219BSD	PB166219BSD	EPH	1000	<2	RUPESH	ritesh	2			3
Q1168-07	LOD-MDL-WATER-01-QT1-2025 0.25 ML	EPH	1000	<2	RUPESH	ritesh	2			4
Q1168-08	LOQ-WATER-02-QT1-2025 0.5 ML	EPH	1000	<2	RUPESH	ritesh	2			5
Q1194-08	EB	EPH	1000	<2	RUPESH	ritesh	2	E		6
	LOD - 0.4 ML	"	1000	<2	"	"	2			7

* **Extracts relinquished on the same date as received.**

1/28/26

16621
8:37

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1194E **WorkList ID :** 187198 **Department :** Extraction **Date :** 01-28-2025 08:30:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1168-07	LOD-MDL-WATER-01-QT1-202	Water	EPH	1:1 HCl to pH < 2	CHEM02	QA Of	01/23/2025	NJEPH
Q1168-08	LOQ-WATER-02-QT1-2025	Water	EPH	1:1 HCl to pH < 2	CHEM02	QA Of	01/23/2025	NJEPH
Q1194-08	EB	Water	EPH	1:1 HCl to pH < 2	PORT06	N41	01/25/2025	NJEPH

Date/Time 01/28/25 8:30

Raw Sample Received by: RS (Ext lab)

Raw Sample Relinquished by: JDCSM

Date/Time 01/28/25 9:00

Raw Sample Received by: JDCSM

Raw Sample Relinquished by: RS (Ext lab)

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q1194	**OrderDate:**	1/27/2025 9:35:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	N41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1194-01	**B-110-SB01**	**Solid**			**01/25/25**			**01/27/25**
			EPH	NJEPH		01/28/25	01/28/25	
Q1194-02	**B-110-SB02**	**Solid**			**01/25/25**			**01/27/25**
			EPH	NJEPH		01/28/25	01/28/25	
			EPH	NJEPH		01/28/25	01/29/25	
Q1194-03	**B-113-SB01**	**Solid**			**01/25/25**			**01/27/25**
			EPH	NJEPH		01/28/25	01/28/25	
Q1194-04	**B-113-SB02**	**Solid**			**01/25/25**			**01/27/25**
			EPH	NJEPH		01/28/25	01/28/25	
Q1194-08	**EB**	**Water**			**01/25/25**			**01/27/25**
			EPH	NJEPH		01/28/25	01/28/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1194 **Order ID:** Q1194

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-110-SB01								
Q1194-01	B-110-SB01	SOIL	Aluminum	5220		2.31	4.80	mg/Kg
Q1194-01	B-110-SB01	SOIL	Arsenic	1.82		0.28	0.96	mg/Kg
Q1194-01	B-110-SB01	SOIL	Barium	49.5		0.61	4.80	mg/Kg
Q1194-01	B-110-SB01	SOIL	Beryllium	0.55		0.012	0.29	mg/Kg
Q1194-01	B-110-SB01	SOIL	Cadmium	0.24	J	0.015	0.29	mg/Kg
Q1194-01	B-110-SB01	SOIL	Calcium	1530		2.69	96.0	mg/Kg
Q1194-01	B-110-SB01	SOIL	Chromium	14.7		0.052	0.48	mg/Kg
Q1194-01	B-110-SB01	SOIL	Cobalt	5.56		0.056	1.44	mg/Kg
Q1194-01	B-110-SB01	SOIL	Copper	14.8		0.45	0.96	mg/Kg
Q1194-01	B-110-SB01	SOIL	Iron	9370		2.58	4.80	mg/Kg
Q1194-01	B-110-SB01	SOIL	Lead	7.05		0.14	0.58	mg/Kg
Q1194-01	B-110-SB01	SOIL	Magnesium	2350		3.29	96.0	mg/Kg
Q1194-01	B-110-SB01	SOIL	Manganese	276		0.068	0.96	mg/Kg
Q1194-01	B-110-SB01	SOIL	Mercury	0.027		0.0070	0.015	mg/Kg
Q1194-01	B-110-SB01	SOIL	Nickel	12.8		0.086	1.92	mg/Kg
Q1194-01	B-110-SB01	SOIL	Potassium	867		27.5	96.0	mg/Kg
Q1194-01	B-110-SB01	SOIL	Sodium	140		34.6	96.0	mg/Kg
Q1194-01	B-110-SB01	SOIL	Thallium	0.72	J	0.42	1.92	mg/Kg
Q1194-01	B-110-SB01	SOIL	Vanadium	8.80		0.26	1.92	mg/Kg
Q1194-01	B-110-SB01	SOIL	Zinc	29.6		0.11	1.92	mg/Kg
Client ID : B-110-SB02								
Q1194-02	B-110-SB02	SOIL	Aluminum	9270		3.52	7.31	mg/Kg
Q1194-02	B-110-SB02	SOIL	Arsenic	77.8		0.42	1.46	mg/Kg
Q1194-02	B-110-SB02	SOIL	Barium	80.4		0.94	7.31	mg/Kg
Q1194-02	B-110-SB02	SOIL	Beryllium	1.08		0.018	0.44	mg/Kg
Q1194-02	B-110-SB02	SOIL	Cadmium	1.32		0.023	0.44	mg/Kg
Q1194-02	B-110-SB02	SOIL	Calcium	1780		4.09	146	mg/Kg
Q1194-02	B-110-SB02	SOIL	Chromium	109		0.079	0.73	mg/Kg
Q1194-02	B-110-SB02	SOIL	Cobalt	8.93		0.085	2.19	mg/Kg
Q1194-02	B-110-SB02	SOIL	Copper	229		0.69	1.46	mg/Kg
Q1194-02	B-110-SB02	SOIL	Iron	17400		3.93	7.31	mg/Kg
Q1194-02	B-110-SB02	SOIL	Lead	330		0.22	0.88	mg/Kg
Q1194-02	B-110-SB02	SOIL	Magnesium	3340		5.01	146	mg/Kg
Q1194-02	B-110-SB02	SOIL	Manganese	165		0.10	1.46	mg/Kg
Q1194-02	B-110-SB02	SOIL	Mercury	7.52	D	0.097	0.22	mg/Kg
Q1194-02	B-110-SB02	SOIL	Nickel	28.6		0.13	2.92	mg/Kg
Q1194-02	B-110-SB02	SOIL	Potassium	1230		42.0	146	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1194 **Order ID:** Q1194

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1194-02	B-110-SB02	SOIL	Silver	1.15		0.076	0.73	mg/Kg
Q1194-02	B-110-SB02	SOIL	Sodium	649		52.8	146	mg/Kg
Q1194-02	B-110-SB02	SOIL	Thallium	0.67	J	0.64	2.92	mg/Kg
Q1194-02	B-110-SB02	SOIL	Vanadium	24.2		0.40	2.92	mg/Kg
Q1194-02	B-110-SB02	SOIL	Zinc	385		0.16	2.92	mg/Kg
Client ID :	**B-113-SB01**							
Q1194-03	B-113-SB01	SOIL	Aluminum	4370		2.44	5.07	mg/Kg
Q1194-03	B-113-SB01	SOIL	Arsenic	0.86	J	0.29	1.01	mg/Kg
Q1194-03	B-113-SB01	SOIL	Barium	31.0		0.65	5.07	mg/Kg
Q1194-03	B-113-SB01	SOIL	Beryllium	0.41		0.012	0.30	mg/Kg
Q1194-03	B-113-SB01	SOIL	Cadmium	0.13	J	0.016	0.30	mg/Kg
Q1194-03	B-113-SB01	SOIL	Calcium	1170		2.84	101	mg/Kg
Q1194-03	B-113-SB01	SOIL	Chromium	9.71		0.055	0.51	mg/Kg
Q1194-03	B-113-SB01	SOIL	Cobalt	5.67		0.059	1.52	mg/Kg
Q1194-03	B-113-SB01	SOIL	Copper	18.0		0.48	1.01	mg/Kg
Q1194-03	B-113-SB01	SOIL	Iron	6540		2.73	5.07	mg/Kg
Q1194-03	B-113-SB01	SOIL	Lead	4.96		0.15	0.61	mg/Kg
Q1194-03	B-113-SB01	SOIL	Magnesium	2630		3.48	101	mg/Kg
Q1194-03	B-113-SB01	SOIL	Manganese	249		0.072	1.01	mg/Kg
Q1194-03	B-113-SB01	SOIL	Nickel	12.6		0.091	2.03	mg/Kg
Q1194-03	B-113-SB01	SOIL	Potassium	1250		29.1	101	mg/Kg
Q1194-03	B-113-SB01	SOIL	Sodium	213		36.6	101	mg/Kg
Q1194-03	B-113-SB01	SOIL	Vanadium	8.50		0.27	2.03	mg/Kg
Q1194-03	B-113-SB01	SOIL	Zinc	23.9		0.11	2.03	mg/Kg
Client ID :	**B-113-SB02**							
Q1194-04	B-113-SB02	SOIL	Aluminum	10400		3.39	7.03	mg/Kg
Q1194-04	B-113-SB02	SOIL	Arsenic	7.87		0.41	1.41	mg/Kg
Q1194-04	B-113-SB02	SOIL	Barium	28.3		0.90	7.03	mg/Kg
Q1194-04	B-113-SB02	SOIL	Beryllium	0.89		0.017	0.42	mg/Kg
Q1194-04	B-113-SB02	SOIL	Cadmium	0.40	J	0.022	0.42	mg/Kg
Q1194-04	B-113-SB02	SOIL	Calcium	1530		3.93	141	mg/Kg
Q1194-04	B-113-SB02	SOIL	Chromium	24.2		0.076	0.70	mg/Kg
Q1194-04	B-113-SB02	SOIL	Cobalt	12.7		0.081	2.11	mg/Kg
Q1194-04	B-113-SB02	SOIL	Copper	16.0		0.66	1.41	mg/Kg
Q1194-04	B-113-SB02	SOIL	Iron	27100		3.78	7.03	mg/Kg
Q1194-04	B-113-SB02	SOIL	Lead	14.3		0.21	0.84	mg/Kg
Q1194-04	B-113-SB02	SOIL	Magnesium	5000		4.82	141	mg/Kg
Q1194-04	B-113-SB02	SOIL	Manganese	330		0.10	1.41	mg/Kg
Q1194-04	B-113-SB02	SOIL	Mercury	0.033		0.0090	0.019	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1194 **Order ID:** Q1194

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1194-04	B-113-SB02	SOIL	Nickel	26.3		0.13	2.81	mg/Kg
Q1194-04	B-113-SB02	SOIL	Potassium	1980		40.3	141	mg/Kg
Q1194-04	B-113-SB02	SOIL	Silver	0.15	J	0.073	0.70	mg/Kg
Q1194-04	B-113-SB02	SOIL	Sodium	940		50.7	141	mg/Kg
Q1194-04	B-113-SB02	SOIL	Thallium	0.64	J	0.62	2.81	mg/Kg
Q1194-04	B-113-SB02	SOIL	Vanadium	26.2		0.38	2.81	mg/Kg
Q1194-04	B-113-SB02	SOIL	Zinc	62.0		0.16	2.81	mg/Kg
Client ID :	**EB**							
Q1194-08	EB	Water	Manganese	21.3		1.46	10.0	ug/L
Q1194-08	EB	Water	Silver	0.72	J	0.58	5.00	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5220		1	2.31	4.80	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-36-0	Antimony	0.14	U	1	0.14	2.40	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-38-2	Arsenic	1.82		1	0.28	0.96	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-39-3	Barium	49.5	N	1	0.61	4.80	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-41-7	Beryllium	0.55	N	1	0.012	0.29	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-43-9	Cadmium	0.24	J*	1	0.015	0.29	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-70-2	Calcium	1530		1	2.69	96.0	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-47-3	Chromium	14.7	N	1	0.052	0.48	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-48-4	Cobalt	5.56		1	0.056	1.44	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-50-8	Copper	14.8	N	1	0.45	0.96	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7439-89-6	Iron	9370		1	2.58	4.80	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7439-92-1	Lead	7.05		1	0.14	0.58	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7439-95-4	Magnesium	2350		1	3.29	96.0	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7439-96-5	Manganese	276		1	0.068	0.96	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7439-97-6	Mercury	0.027		1	0.0070	0.015	mg/Kg	01/27/25 13:05	01/27/25 18:30	SW7471B	
7440-02-0	Nickel	12.8		1	0.086	1.92	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-09-7	Potassium	867	N	1	27.5	96.0	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7782-49-2	Selenium	0.32	UN	1	0.32	0.96	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-22-4	Silver	0.050	U	1	0.050	0.48	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-23-5	Sodium	140		1	34.6	96.0	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-28-0	Thallium	0.72	J	1	0.42	1.92	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-62-2	Vanadium	8.80	N	1	0.26	1.92	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050
7440-66-6	Zinc	29.6		1	0.11	1.92	mg/Kg	01/28/25 11:30	01/29/25 12:15	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	57

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	9270		1	3.52	7.31	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-36-0	Antimony	0.22	U	1	0.22	3.65	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-38-2	Arsenic	77.8		1	0.42	1.46	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-39-3	Barium	80.4	N	1	0.94	7.31	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-41-7	Beryllium	1.08	N	1	0.018	0.44	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-43-9	Cadmium	1.32	*	1	0.023	0.44	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-70-2	Calcium	1780		1	4.09	146	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-47-3	Chromium	109	N	1	0.079	0.73	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-48-4	Cobalt	8.93		1	0.085	2.19	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-50-8	Copper	229	N	1	0.69	1.46	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7439-89-6	Iron	17400		1	3.93	7.31	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7439-92-1	Lead	330		1	0.22	0.88	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7439-95-4	Magnesium	3340		1	5.01	146	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7439-96-5	Manganese	165		1	0.10	1.46	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7439-97-6	Mercury	7.52	D	10	0.097	0.22	mg/Kg	01/27/25 13:05	01/27/25 18:52	SW7471B	
7440-02-0	Nickel	28.6		1	0.13	2.92	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-09-7	Potassium	1230	N	1	42.0	146	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7782-49-2	Selenium	0.48	UN	1	0.48	1.46	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-22-4	Silver	1.15		1	0.076	0.73	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-23-5	Sodium	649		1	52.8	146	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-28-0	Thallium	0.67	J	1	0.64	2.92	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-62-2	Vanadium	24.2	N	1	0.40	2.92	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050
7440-66-6	Zinc	385		1	0.16	2.92	mg/Kg	01/28/25 11:30	01/29/25 12:19	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4370		1	2.44	5.07	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-36-0	Antimony	0.15	U	1	0.15	2.53	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-38-2	Arsenic	0.86	J	1	0.29	1.01	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-39-3	Barium	31.0	N	1	0.65	5.07	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-41-7	Beryllium	0.41	N	1	0.012	0.30	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-43-9	Cadmium	0.13	J*	1	0.016	0.30	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-70-2	Calcium	1170		1	2.84	101	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-47-3	Chromium	9.71	N	1	0.055	0.51	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-48-4	Cobalt	5.67		1	0.059	1.52	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-50-8	Copper	18.0	N	1	0.48	1.01	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7439-89-6	Iron	6540		1	2.73	5.07	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7439-92-1	Lead	4.96		1	0.15	0.61	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7439-95-4	Magnesium	2630		1	3.48	101	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7439-96-5	Manganese	249		1	0.072	1.01	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7439-97-6	Mercury	0.0060	U	1	0.0060	0.014	mg/Kg	01/27/25 13:05	01/27/25 18:35	SW7471B	
7440-02-0	Nickel	12.6		1	0.091	2.03	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-09-7	Potassium	1250	N	1	29.1	101	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7782-49-2	Selenium	0.34	UN	1	0.34	1.01	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-22-4	Silver	0.053	U	1	0.053	0.51	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-23-5	Sodium	213		1	36.6	101	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-28-0	Thallium	0.45	U	1	0.45	2.03	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-62-2	Vanadium	8.50	N	1	0.27	2.03	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050
7440-66-6	Zinc	23.9		1	0.11	2.03	mg/Kg	01/28/25 11:30	01/29/25 12:23	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	64.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10400		1	3.39	7.03	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-36-0	Antimony	0.21	U	1	0.21	3.51	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-38-2	Arsenic	7.87		1	0.41	1.41	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-39-3	Barium	28.3	N	1	0.90	7.03	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-41-7	Beryllium	0.89	N	1	0.017	0.42	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-43-9	Cadmium	0.40	J*	1	0.022	0.42	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-70-2	Calcium	1530		1	3.93	141	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-47-3	Chromium	24.2	N	1	0.076	0.70	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-48-4	Cobalt	12.7		1	0.081	2.11	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-50-8	Copper	16.0	N	1	0.66	1.41	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7439-89-6	Iron	27100		1	3.78	7.03	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7439-92-1	Lead	14.3		1	0.21	0.84	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7439-95-4	Magnesium	5000		1	4.82	141	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7439-96-5	Manganese	330		1	0.10	1.41	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7439-97-6	Mercury	0.033		1	0.0090	0.019	mg/Kg	01/27/25 13:05	01/27/25 18:38	SW7471B	
7440-02-0	Nickel	26.3		1	0.13	2.81	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-09-7	Potassium	1980	N	1	40.3	141	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7782-49-2	Selenium	0.46	UN	1	0.46	1.41	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-22-4	Silver	0.15	J	1	0.073	0.70	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-23-5	Sodium	940		1	50.7	141	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-28-0	Thallium	0.64	J	1	0.62	2.81	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-62-2	Vanadium	26.2	N	1	0.38	2.81	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050
7440-66-6	Zinc	62.0		1	0.16	2.81	mg/Kg	01/28/25 11:30	01/30/25 18:03	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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D = Dilution
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J = Estimated Value
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	28.3	U	1	28.3	50.0	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-39-3	Barium	6.28	U	1	6.28	50.0	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-43-9	Cadmium	0.094	U	1	0.094	3.00	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-70-2	Calcium	33.0	U	1	33.0	1000	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-47-3	Chromium	0.66	U	1	0.66	5.00	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7439-89-6	Iron	18.5	U	1	18.5	50.0	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7439-95-4	Magnesium	39.4	U	1	39.4	1000	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7439-96-5	Manganese	21.3	N	1	1.46	10.0	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7439-97-6	Mercury	0.081	U	1	0.081	0.20	ug/L	01/28/25 09:25	01/28/25 13:41	SW7470A	
7440-02-0	Nickel	0.85	U	1	0.85	20.0	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-09-7	Potassium	685	U	1	685	1000	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-22-4	Silver	0.72	J	1	0.58	5.00	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-23-5	Sodium	237	U	1	237	1000	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010
7440-66-6	Zinc	1.75	U	1	1.75	20.0	ug/L	01/27/25 14:15	01/28/25 13:22	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB70	Mercury	0.20	+/-0.20	U	0.20	CV	01/27/2025	17:44	LB134437

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB74	Mercury	0.20	+/-0.20	U	0.20	CV	01/27/2025	17:48	LB134437
CCB75	Mercury	0.20	+/-0.20	U	0.20	CV	01/27/2025	18:19	LB134437
CCB76	Mercury	0.20	+/-0.20	U	0.20	CV	01/27/2025	18:48	LB134437
CCB77	Mercury	0.20	+/-0.20	U	0.20	CV	01/27/2025	18:56	LB134437

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB72	Mercury	0.20	+/-0.20	U	0.20	CV	01/28/2025	12:42	LB134454

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB79	Mercury	0.20	+/-0.20	U	0.20	CV	01/28/2025	12:46	LB134454
CCB80	Mercury	0.20	+/-0.20	U	0.20	CV	01/28/2025	13:14	LB134454
CCB81	Mercury	0.20	+/-0.20	U	0.20	CV	01/28/2025	13:48	LB134454
CCB82	Mercury	0.20	+/-0.20	U	0.20	CV	01/28/2025	14:09	LB134454

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	01/28/2025	12:21	LB134457
	Antimony	50.0	+/-50.0	U	50.0	P	01/28/2025	12:21	LB134457
	Arsenic	20.0	+/-20.0	U	20.0	P	01/28/2025	12:21	LB134457
	Barium	100	+/-100	U	100	P	01/28/2025	12:21	LB134457
	Beryllium	6.00	+/-6.00	U	6.00	P	01/28/2025	12:21	LB134457
	Cadmium	6.00	+/-6.00	U	6.00	P	01/28/2025	12:21	LB134457
	Calcium	2000	+/-2000	U	2000	P	01/28/2025	12:21	LB134457
	Chromium	10.0	+/-10.0	U	10.0	P	01/28/2025	12:21	LB134457
	Cobalt	30.0	+/-30.0	U	30.0	P	01/28/2025	12:21	LB134457
	Copper	20.0	+/-20.0	U	20.0	P	01/28/2025	12:21	LB134457
	Iron	100	+/-100	U	100	P	01/28/2025	12:21	LB134457
	Lead	12.0	+/-12.0	U	12.0	P	01/28/2025	12:21	LB134457
	Magnesium	2000	+/-2000	U	2000	P	01/28/2025	12:21	LB134457
	Manganese	20.0	+/-20.0	U	20.0	P	01/28/2025	12:21	LB134457
	Nickel	40.0	+/-40.0	U	40.0	P	01/28/2025	12:21	LB134457
	Potassium	2000	+/-2000	U	2000	P	01/28/2025	12:21	LB134457
	Selenium	20.0	+/-20.0	U	20.0	P	01/28/2025	12:21	LB134457
	Silver	10.0	+/-10.0	U	10.0	P	01/28/2025	12:21	LB134457
	Sodium	2000	+/-2000	U	2000	P	01/28/2025	12:21	LB134457
	Thallium	40.0	+/-40.0	U	40.0	P	01/28/2025	12:21	LB134457
	Vanadium	40.0	+/-40.0	U	40.0	P	01/28/2025	12:21	LB134457
	Zinc	40.0	+/-40.0	U	40.0	P	01/28/2025	12:21	LB134457

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	01/28/2025	12:43	LB134457
	Antimony	50.0	+/-50.0	U	50.0	P	01/28/2025	12:43	LB134457
	Arsenic	20.0	+/-20.0	U	20.0	P	01/28/2025	12:43	LB134457
	Barium	100	+/-100	U	100	P	01/28/2025	12:43	LB134457
	Beryllium	6.00	+/-6.00	U	6.00	P	01/28/2025	12:43	LB134457
	Cadmium	6.00	+/-6.00	U	6.00	P	01/28/2025	12:43	LB134457
	Calcium	2000	+/-2000	U	2000	P	01/28/2025	12:43	LB134457
	Chromium	10.0	+/-10.0	U	10.0	P	01/28/2025	12:43	LB134457
	Cobalt	30.0	+/-30.0	U	30.0	P	01/28/2025	12:43	LB134457
	Copper	20.0	+/-20.0	U	20.0	P	01/28/2025	12:43	LB134457
	Iron	100	+/-100	U	100	P	01/28/2025	12:43	LB134457
	Lead	12.0	+/-12.0	U	12.0	P	01/28/2025	12:43	LB134457
	Magnesium	2000	+/-2000	U	2000	P	01/28/2025	12:43	LB134457
	Manganese	20.0	+/-20.0	U	20.0	P	01/28/2025	12:43	LB134457
	Nickel	40.0	+/-40.0	U	40.0	P	01/28/2025	12:43	LB134457
	Potassium	2000	+/-2000	U	2000	P	01/28/2025	12:43	LB134457
	Selenium	20.0	+/-20.0	U	20.0	P	01/28/2025	12:43	LB134457
	Silver	10.0	+/-10.0	U	10.0	P	01/28/2025	12:43	LB134457
	Sodium	2000	+/-2000	U	2000	P	01/28/2025	12:43	LB134457
	Thallium	40.0	+/-40.0	U	40.0	P	01/28/2025	12:43	LB134457
	Vanadium	40.0	+/-40.0	U	40.0	P	01/28/2025	12:43	LB134457
	Zinc	40.0	+/-40.0	U	40.0	P	01/28/2025	12:43	LB134457
CCB02	Aluminum	100	+/-100	U	100	P	01/28/2025	13:46	LB134457
	Antimony	50.0	+/-50.0	U	50.0	P	01/28/2025	13:46	LB134457
	Arsenic	20.0	+/-20.0	U	20.0	P	01/28/2025	13:46	LB134457
	Barium	100	+/-100	U	100	P	01/28/2025	13:46	LB134457
	Beryllium	6.00	+/-6.00	U	6.00	P	01/28/2025	13:46	LB134457
	Cadmium	6.00	+/-6.00	U	6.00	P	01/28/2025	13:46	LB134457
	Calcium	2000	+/-2000	U	2000	P	01/28/2025	13:46	LB134457
	Chromium	10.0	+/-10.0	U	10.0	P	01/28/2025	13:46	LB134457
	Cobalt	30.0	+/-30.0	U	30.0	P	01/28/2025	13:46	LB134457
	Copper	20.0	+/-20.0	U	20.0	P	01/28/2025	13:46	LB134457
	Iron	100	+/-100	U	100	P	01/28/2025	13:46	LB134457
	Lead	12.0	+/-12.0	U	12.0	P	01/28/2025	13:46	LB134457
	Magnesium	2000	+/-2000	U	2000	P	01/28/2025	13:46	LB134457
	Manganese	20.0	+/-20.0	U	20.0	P	01/28/2025	13:46	LB134457
	Nickel	40.0	+/-40.0	U	40.0	P	01/28/2025	13:46	LB134457
	Potassium	2000	+/-2000	U	2000	P	01/28/2025	13:46	LB134457
	Selenium	20.0	+/-20.0	U	20.0	P	01/28/2025	13:46	LB134457

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.29	+/-10.0	J	10.0	P	01/28/2025	13:46	LB134457
	Sodium	2000	+/-2000	U	2000	P	01/28/2025	13:46	LB134457
	Thallium	40.0	+/-40.0	U	40.0	P	01/28/2025	13:46	LB134457
	Vanadium	40.0	+/-40.0	U	40.0	P	01/28/2025	13:46	LB134457
	Zinc	40.0	+/-40.0	U	40.0	P	01/28/2025	13:46	LB134457
CCB03	Aluminum	100	+/-100	U	100	P	01/28/2025	14:37	LB134457
	Antimony	50.0	+/-50.0	U	50.0	P	01/28/2025	14:37	LB134457
	Arsenic	20.0	+/-20.0	U	20.0	P	01/28/2025	14:37	LB134457
	Barium	100	+/-100	U	100	P	01/28/2025	14:37	LB134457
	Beryllium	6.00	+/-6.00	U	6.00	P	01/28/2025	14:37	LB134457
	Cadmium	6.00	+/-6.00	U	6.00	P	01/28/2025	14:37	LB134457
	Calcium	2000	+/-2000	U	2000	P	01/28/2025	14:37	LB134457
	Chromium	10.0	+/-10.0	U	10.0	P	01/28/2025	14:37	LB134457
	Cobalt	30.0	+/-30.0	U	30.0	P	01/28/2025	14:37	LB134457
	Copper	20.0	+/-20.0	U	20.0	P	01/28/2025	14:37	LB134457
	Iron	100	+/-100	U	100	P	01/28/2025	14:37	LB134457
	Lead	12.0	+/-12.0	U	12.0	P	01/28/2025	14:37	LB134457
	Magnesium	2000	+/-2000	U	2000	P	01/28/2025	14:37	LB134457
	Manganese	20.0	+/-20.0	U	20.0	P	01/28/2025	14:37	LB134457
	Nickel	40.0	+/-40.0	U	40.0	P	01/28/2025	14:37	LB134457
	Potassium	2000	+/-2000	U	2000	P	01/28/2025	14:37	LB134457
	Selenium	20.0	+/-20.0	U	20.0	P	01/28/2025	14:37	LB134457
	Silver	10.0	+/-10.0	U	10.0	P	01/28/2025	14:37	LB134457
	Sodium	2000	+/-2000	U	2000	P	01/28/2025	14:37	LB134457
	Thallium	40.0	+/-40.0	U	40.0	P	01/28/2025	14:37	LB134457
	Vanadium	40.0	+/-40.0	U	40.0	P	01/28/2025	14:37	LB134457
	Zinc	40.0	+/-40.0	U	40.0	P	01/28/2025	14:37	LB134457
CCB04	Aluminum	100	+/-100	U	100	P	01/28/2025	15:36	LB134457
	Antimony	50.0	+/-50.0	U	50.0	P	01/28/2025	15:36	LB134457
	Arsenic	20.0	+/-20.0	U	20.0	P	01/28/2025	15:36	LB134457
	Barium	100	+/-100	U	100	P	01/28/2025	15:36	LB134457
	Beryllium	6.00	+/-6.00	U	6.00	P	01/28/2025	15:36	LB134457
	Cadmium	6.00	+/-6.00	U	6.00	P	01/28/2025	15:36	LB134457
	Calcium	2000	+/-2000	U	2000	P	01/28/2025	15:36	LB134457
	Chromium	10.0	+/-10.0	U	10.0	P	01/28/2025	15:36	LB134457
	Cobalt	30.0	+/-30.0	U	30.0	P	01/28/2025	15:36	LB134457
	Copper	20.0	+/-20.0	U	20.0	P	01/28/2025	15:36	LB134457
	Iron	100	+/-100	U	100	P	01/28/2025	15:36	LB134457
	Lead	12.0	+/-12.0	U	12.0	P	01/28/2025	15:36	LB134457

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	01/28/2025	15:36	LB134457
	Manganese	20.0	+/-20.0	U	20.0	P	01/28/2025	15:36	LB134457
	Nickel	40.0	+/-40.0	U	40.0	P	01/28/2025	15:36	LB134457
	Potassium	2000	+/-2000	U	2000	P	01/28/2025	15:36	LB134457
	Selenium	20.0	+/-20.0	U	20.0	P	01/28/2025	15:36	LB134457
	Silver	1.18	+/-10.0	J	10.0	P	01/28/2025	15:36	LB134457
	Sodium	2000	+/-2000	U	2000	P	01/28/2025	15:36	LB134457
	Thallium	40.0	+/-40.0	U	40.0	P	01/28/2025	15:36	LB134457
	Vanadium	40.0	+/-40.0	U	40.0	P	01/28/2025	15:36	LB134457
	Zinc	40.0	+/-40.0	U	40.0	P	01/28/2025	15:36	LB134457
CCB05	Aluminum	100	+/-100	U	100	P	01/28/2025	15:56	LB134457
	Antimony	50.0	+/-50.0	U	50.0	P	01/28/2025	15:56	LB134457
	Arsenic	20.0	+/-20.0	U	20.0	P	01/28/2025	15:56	LB134457
	Barium	100	+/-100	U	100	P	01/28/2025	15:56	LB134457
	Beryllium	6.00	+/-6.00	U	6.00	P	01/28/2025	15:56	LB134457
	Cadmium	6.00	+/-6.00	U	6.00	P	01/28/2025	15:56	LB134457
	Calcium	2000	+/-2000	U	2000	P	01/28/2025	15:56	LB134457
	Chromium	10.0	+/-10.0	U	10.0	P	01/28/2025	15:56	LB134457
	Cobalt	30.0	+/-30.0	U	30.0	P	01/28/2025	15:56	LB134457
	Copper	20.0	+/-20.0	U	20.0	P	01/28/2025	15:56	LB134457
	Iron	100	+/-100	U	100	P	01/28/2025	15:56	LB134457
	Lead	12.0	+/-12.0	U	12.0	P	01/28/2025	15:56	LB134457
	Magnesium	2000	+/-2000	U	2000	P	01/28/2025	15:56	LB134457
	Manganese	20.0	+/-20.0	U	20.0	P	01/28/2025	15:56	LB134457
	Nickel	40.0	+/-40.0	U	40.0	P	01/28/2025	15:56	LB134457
	Potassium	2000	+/-2000	U	2000	P	01/28/2025	15:56	LB134457
	Selenium	20.0	+/-20.0	U	20.0	P	01/28/2025	15:56	LB134457
	Silver	10.0	+/-10.0	U	10.0	P	01/28/2025	15:56	LB134457
	Sodium	2000	+/-2000	U	2000	P	01/28/2025	15:56	LB134457
	Thallium	40.0	+/-40.0	U	40.0	P	01/28/2025	15:56	LB134457
	Vanadium	40.0	+/-40.0	U	40.0	P	01/28/2025	15:56	LB134457
	Zinc	40.0	+/-40.0	U	40.0	P	01/28/2025	15:56	LB134457

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	01/29/2025	11:37	LB134477
	Antimony	50.0	+/-50.0	U	50.0	P	01/29/2025	11:37	LB134477
	Arsenic	20.0	+/-20.0	U	20.0	P	01/29/2025	11:37	LB134477
	Barium	100	+/-100	U	100	P	01/29/2025	11:37	LB134477
	Beryllium	6.00	+/-6.00	U	6.00	P	01/29/2025	11:37	LB134477
	Cadmium	6.00	+/-6.00	U	6.00	P	01/29/2025	11:37	LB134477
	Calcium	2000	+/-2000	U	2000	P	01/29/2025	11:37	LB134477
	Chromium	10.0	+/-10.0	U	10.0	P	01/29/2025	11:37	LB134477
	Cobalt	30.0	+/-30.0	U	30.0	P	01/29/2025	11:37	LB134477
	Copper	20.0	+/-20.0	U	20.0	P	01/29/2025	11:37	LB134477
	Iron	100	+/-100	U	100	P	01/29/2025	11:37	LB134477
	Lead	12.0	+/-12.0	U	12.0	P	01/29/2025	11:37	LB134477
	Magnesium	2000	+/-2000	U	2000	P	01/29/2025	11:37	LB134477
	Manganese	20.0	+/-20.0	U	20.0	P	01/29/2025	11:37	LB134477
	Nickel	40.0	+/-40.0	U	40.0	P	01/29/2025	11:37	LB134477
	Potassium	2000	+/-2000	U	2000	P	01/29/2025	11:37	LB134477
	Selenium	20.0	+/-20.0	U	20.0	P	01/29/2025	11:37	LB134477
	Silver	10.0	+/-10.0	U	10.0	P	01/29/2025	11:37	LB134477
	Sodium	2000	+/-2000	U	2000	P	01/29/2025	11:37	LB134477
	Thallium	40.0	+/-40.0	U	40.0	P	01/29/2025	11:37	LB134477
	Vanadium	40.0	+/-40.0	U	40.0	P	01/29/2025	11:37	LB134477
	Zinc	40.0	+/-40.0	U	40.0	P	01/29/2025	11:37	LB134477

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	01/29/2025	12:10	LB134477
	Antimony	50.0	+/-50.0	U	50.0	P	01/29/2025	12:10	LB134477
	Arsenic	20.0	+/-20.0	U	20.0	P	01/29/2025	12:10	LB134477
	Barium	100	+/-100	U	100	P	01/29/2025	12:10	LB134477
	Beryllium	6.00	+/-6.00	U	6.00	P	01/29/2025	12:10	LB134477
	Cadmium	6.00	+/-6.00	U	6.00	P	01/29/2025	12:10	LB134477
	Calcium	2000	+/-2000	U	2000	P	01/29/2025	12:10	LB134477
	Chromium	10.0	+/-10.0	U	10.0	P	01/29/2025	12:10	LB134477
	Cobalt	30.0	+/-30.0	U	30.0	P	01/29/2025	12:10	LB134477
	Copper	20.0	+/-20.0	U	20.0	P	01/29/2025	12:10	LB134477
	Iron	100	+/-100	U	100	P	01/29/2025	12:10	LB134477
	Lead	12.0	+/-12.0	U	12.0	P	01/29/2025	12:10	LB134477
	Magnesium	2000	+/-2000	U	2000	P	01/29/2025	12:10	LB134477
	Manganese	20.0	+/-20.0	U	20.0	P	01/29/2025	12:10	LB134477
	Nickel	40.0	+/-40.0	U	40.0	P	01/29/2025	12:10	LB134477
	Potassium	2000	+/-2000	U	2000	P	01/29/2025	12:10	LB134477
	Selenium	20.0	+/-20.0	U	20.0	P	01/29/2025	12:10	LB134477
	Silver	10.0	+/-10.0	U	10.0	P	01/29/2025	12:10	LB134477
	Sodium	2000	+/-2000	U	2000	P	01/29/2025	12:10	LB134477
	Thallium	40.0	+/-40.0	U	40.0	P	01/29/2025	12:10	LB134477
	Vanadium	40.0	+/-40.0	U	40.0	P	01/29/2025	12:10	LB134477
	Zinc	40.0	+/-40.0	U	40.0	P	01/29/2025	12:10	LB134477
CCB02	Aluminum	100	+/-100	U	100	P	01/29/2025	13:16	LB134477
	Antimony	50.0	+/-50.0	U	50.0	P	01/29/2025	13:16	LB134477
	Arsenic	20.0	+/-20.0	U	20.0	P	01/29/2025	13:16	LB134477
	Barium	100	+/-100	U	100	P	01/29/2025	13:16	LB134477
	Beryllium	6.00	+/-6.00	U	6.00	P	01/29/2025	13:16	LB134477
	Cadmium	6.00	+/-6.00	U	6.00	P	01/29/2025	13:16	LB134477
	Calcium	2000	+/-2000	U	2000	P	01/29/2025	13:16	LB134477
	Chromium	10.0	+/-10.0	U	10.0	P	01/29/2025	13:16	LB134477
	Cobalt	30.0	+/-30.0	U	30.0	P	01/29/2025	13:16	LB134477
	Copper	20.0	+/-20.0	U	20.0	P	01/29/2025	13:16	LB134477
	Iron	100	+/-100	U	100	P	01/29/2025	13:16	LB134477
	Lead	12.0	+/-12.0	U	12.0	P	01/29/2025	13:16	LB134477
	Magnesium	2000	+/-2000	U	2000	P	01/29/2025	13:16	LB134477
	Manganese	20.0	+/-20.0	U	20.0	P	01/29/2025	13:16	LB134477
	Nickel	40.0	+/-40.0	U	40.0	P	01/29/2025	13:16	LB134477
	Potassium	2000	+/-2000	U	2000	P	01/29/2025	13:16	LB134477
	Selenium	20.0	+/-20.0	U	20.0	P	01/29/2025	13:16	LB134477

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	01/29/2025	13:16	LB134477
	Sodium	2000	+/-2000	U	2000	P	01/29/2025	13:16	LB134477
	Thallium	40.0	+/-40.0	U	40.0	P	01/29/2025	13:16	LB134477
	Vanadium	40.0	+/-40.0	U	40.0	P	01/29/2025	13:16	LB134477
	Zinc	40.0	+/-40.0	U	40.0	P	01/29/2025	13:16	LB134477
CCB03	Aluminum	100	+/-100	U	100	P	01/29/2025	14:06	LB134477
	Antimony	50.0	+/-50.0	U	50.0	P	01/29/2025	14:06	LB134477
	Arsenic	20.0	+/-20.0	U	20.0	P	01/29/2025	14:06	LB134477
	Barium	100	+/-100	U	100	P	01/29/2025	14:06	LB134477
	Beryllium	6.00	+/-6.00	U	6.00	P	01/29/2025	14:06	LB134477
	Cadmium	0.19	+/-6.00	J	6.00	P	01/29/2025	14:06	LB134477
	Calcium	2000	+/-2000	U	2000	P	01/29/2025	14:06	LB134477
	Chromium	10.0	+/-10.0	U	10.0	P	01/29/2025	14:06	LB134477
	Cobalt	30.0	+/-30.0	U	30.0	P	01/29/2025	14:06	LB134477
	Copper	20.0	+/-20.0	U	20.0	P	01/29/2025	14:06	LB134477
	Iron	100	+/-100	U	100	P	01/29/2025	14:06	LB134477
	Lead	12.0	+/-12.0	U	12.0	P	01/29/2025	14:06	LB134477
	Magnesium	2000	+/-2000	U	2000	P	01/29/2025	14:06	LB134477
	Manganese	20.0	+/-20.0	U	20.0	P	01/29/2025	14:06	LB134477
	Nickel	40.0	+/-40.0	U	40.0	P	01/29/2025	14:06	LB134477
	Potassium	2000	+/-2000	U	2000	P	01/29/2025	14:06	LB134477
	Selenium	20.0	+/-20.0	U	20.0	P	01/29/2025	14:06	LB134477
	Silver	10.0	+/-10.0	U	10.0	P	01/29/2025	14:06	LB134477
	Sodium	2000	+/-2000	U	2000	P	01/29/2025	14:06	LB134477
	Thallium	40.0	+/-40.0	U	40.0	P	01/29/2025	14:06	LB134477
	Vanadium	40.0	+/-40.0	U	40.0	P	01/29/2025	14:06	LB134477
	Zinc	40.0	+/-40.0	U	40.0	P	01/29/2025	14:06	LB134477
CCB04	Aluminum	100	+/-100	U	100	P	01/29/2025	14:28	LB134477
	Antimony	50.0	+/-50.0	U	50.0	P	01/29/2025	14:28	LB134477
	Arsenic	20.0	+/-20.0	U	20.0	P	01/29/2025	14:28	LB134477
	Barium	100	+/-100	U	100	P	01/29/2025	14:28	LB134477
	Beryllium	6.00	+/-6.00	U	6.00	P	01/29/2025	14:28	LB134477
	Cadmium	6.00	+/-6.00	U	6.00	P	01/29/2025	14:28	LB134477
	Calcium	2000	+/-2000	U	2000	P	01/29/2025	14:28	LB134477
	Chromium	10.0	+/-10.0	U	10.0	P	01/29/2025	14:28	LB134477
	Cobalt	30.0	+/-30.0	U	30.0	P	01/29/2025	14:28	LB134477
	Copper	20.0	+/-20.0	U	20.0	P	01/29/2025	14:28	LB134477
	Iron	100	+/-100	U	100	P	01/29/2025	14:28	LB134477
	Lead	12.0	+/-12.0	U	12.0	P	01/29/2025	14:28	LB134477

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	01/29/2025	14:28	LB134477
	Manganese	20.0	+/-20.0	U	20.0	P	01/29/2025	14:28	LB134477
	Nickel	40.0	+/-40.0	U	40.0	P	01/29/2025	14:28	LB134477
	Potassium	2000	+/-2000	U	2000	P	01/29/2025	14:28	LB134477
	Selenium	20.0	+/-20.0	U	20.0	P	01/29/2025	14:28	LB134477
	Silver	10.0	+/-10.0	U	10.0	P	01/29/2025	14:28	LB134477
	Sodium	2000	+/-2000	U	2000	P	01/29/2025	14:28	LB134477
	Thallium	40.0	+/-40.0	U	40.0	P	01/29/2025	14:28	LB134477
	Vanadium	40.0	+/-40.0	U	40.0	P	01/29/2025	14:28	LB134477
	Zinc	40.0	+/-40.0	U	40.0	P	01/29/2025	14:28	LB134477

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	01/30/2025	12:00	LB134493
	Antimony	50.0	+/-50.0	U	50.0	P	01/30/2025	12:00	LB134493
	Arsenic	20.0	+/-20.0	U	20.0	P	01/30/2025	12:00	LB134493
	Barium	100	+/-100	U	100	P	01/30/2025	12:00	LB134493
	Beryllium	6.00	+/-6.00	U	6.00	P	01/30/2025	12:00	LB134493
	Cadmium	6.00	+/-6.00	U	6.00	P	01/30/2025	12:00	LB134493
	Calcium	2000	+/-2000	U	2000	P	01/30/2025	12:00	LB134493
	Chromium	10.0	+/-10.0	U	10.0	P	01/30/2025	12:00	LB134493
	Cobalt	30.0	+/-30.0	U	30.0	P	01/30/2025	12:00	LB134493
	Copper	20.0	+/-20.0	U	20.0	P	01/30/2025	12:00	LB134493
	Iron	100	+/-100	U	100	P	01/30/2025	12:00	LB134493
	Lead	12.0	+/-12.0	U	12.0	P	01/30/2025	12:00	LB134493
	Magnesium	2000	+/-2000	U	2000	P	01/30/2025	12:00	LB134493
	Manganese	20.0	+/-20.0	U	20.0	P	01/30/2025	12:00	LB134493
	Nickel	40.0	+/-40.0	U	40.0	P	01/30/2025	12:00	LB134493
	Potassium	2000	+/-2000	U	2000	P	01/30/2025	12:00	LB134493
	Selenium	20.0	+/-20.0	U	20.0	P	01/30/2025	12:00	LB134493
	Silver	10.0	+/-10.0	U	10.0	P	01/30/2025	12:00	LB134493
	Sodium	2000	+/-2000	U	2000	P	01/30/2025	12:00	LB134493
	Thallium	40.0	+/-40.0	U	40.0	P	01/30/2025	12:00	LB134493
	Vanadium	40.0	+/-40.0	U	40.0	P	01/30/2025	12:00	LB134493
	Zinc	40.0	+/-40.0	U	40.0	P	01/30/2025	12:00	LB134493

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	01/30/2025	12:47	LB134493
	Antimony	50.0	+/-50.0	U	50.0	P	01/30/2025	12:47	LB134493
	Arsenic	20.0	+/-20.0	U	20.0	P	01/30/2025	12:47	LB134493
	Barium	100	+/-100	U	100	P	01/30/2025	12:47	LB134493
	Beryllium	6.00	+/-6.00	U	6.00	P	01/30/2025	12:47	LB134493
	Cadmium	6.00	+/-6.00	U	6.00	P	01/30/2025	12:47	LB134493
	Calcium	2000	+/-2000	U	2000	P	01/30/2025	12:47	LB134493
	Chromium	10.0	+/-10.0	U	10.0	P	01/30/2025	12:47	LB134493
	Cobalt	30.0	+/-30.0	U	30.0	P	01/30/2025	12:47	LB134493
	Copper	20.0	+/-20.0	U	20.0	P	01/30/2025	12:47	LB134493
	Iron	100	+/-100	U	100	P	01/30/2025	12:47	LB134493
	Lead	12.0	+/-12.0	U	12.0	P	01/30/2025	12:47	LB134493
	Magnesium	2000	+/-2000	U	2000	P	01/30/2025	12:47	LB134493
	Manganese	20.0	+/-20.0	U	20.0	P	01/30/2025	12:47	LB134493
	Nickel	40.0	+/-40.0	U	40.0	P	01/30/2025	12:47	LB134493
	Potassium	2000	+/-2000	U	2000	P	01/30/2025	12:47	LB134493
	Selenium	20.0	+/-20.0	U	20.0	P	01/30/2025	12:47	LB134493
	Silver	10.0	+/-10.0	U	10.0	P	01/30/2025	12:47	LB134493
	Sodium	2000	+/-2000	U	2000	P	01/30/2025	12:47	LB134493
	Thallium	40.0	+/-40.0	U	40.0	P	01/30/2025	12:47	LB134493
	Vanadium	40.0	+/-40.0	U	40.0	P	01/30/2025	12:47	LB134493
	Zinc	40.0	+/-40.0	U	40.0	P	01/30/2025	12:47	LB134493
CCB02	Aluminum	100	+/-100	U	100	P	01/30/2025	13:37	LB134493
	Antimony	50.0	+/-50.0	U	50.0	P	01/30/2025	13:37	LB134493
	Arsenic	20.0	+/-20.0	U	20.0	P	01/30/2025	13:37	LB134493
	Barium	100	+/-100	U	100	P	01/30/2025	13:37	LB134493
	Beryllium	6.00	+/-6.00	U	6.00	P	01/30/2025	13:37	LB134493
	Cadmium	6.00	+/-6.00	U	6.00	P	01/30/2025	13:37	LB134493
	Calcium	2000	+/-2000	U	2000	P	01/30/2025	13:37	LB134493
	Chromium	10.0	+/-10.0	U	10.0	P	01/30/2025	13:37	LB134493
	Cobalt	30.0	+/-30.0	U	30.0	P	01/30/2025	13:37	LB134493
	Copper	20.0	+/-20.0	U	20.0	P	01/30/2025	13:37	LB134493
	Iron	100	+/-100	U	100	P	01/30/2025	13:37	LB134493
	Lead	12.0	+/-12.0	U	12.0	P	01/30/2025	13:37	LB134493
	Magnesium	2000	+/-2000	U	2000	P	01/30/2025	13:37	LB134493
	Manganese	20.0	+/-20.0	U	20.0	P	01/30/2025	13:37	LB134493
	Nickel	40.0	+/-40.0	U	40.0	P	01/30/2025	13:37	LB134493
	Potassium	2000	+/-2000	U	2000	P	01/30/2025	13:37	LB134493
	Selenium	20.0	+/-20.0	U	20.0	P	01/30/2025	13:37	LB134493

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	01/30/2025	13:37	LB134493
	Sodium	2000	+/-2000	U	2000	P	01/30/2025	13:37	LB134493
	Thallium	40.0	+/-40.0	U	40.0	P	01/30/2025	13:37	LB134493
	Vanadium	40.0	+/-40.0	U	40.0	P	01/30/2025	13:37	LB134493
	Zinc	40.0	+/-40.0	U	40.0	P	01/30/2025	13:37	LB134493
CCB03	Aluminum	100	+/-100	U	100	P	01/30/2025	14:38	LB134493
	Antimony	50.0	+/-50.0	U	50.0	P	01/30/2025	14:38	LB134493
	Arsenic	20.0	+/-20.0	U	20.0	P	01/30/2025	14:38	LB134493
	Barium	100	+/-100	U	100	P	01/30/2025	14:38	LB134493
	Beryllium	6.00	+/-6.00	U	6.00	P	01/30/2025	14:38	LB134493
	Cadmium	6.00	+/-6.00	U	6.00	P	01/30/2025	14:38	LB134493
	Calcium	2000	+/-2000	U	2000	P	01/30/2025	14:38	LB134493
	Chromium	10.0	+/-10.0	U	10.0	P	01/30/2025	14:38	LB134493
	Cobalt	30.0	+/-30.0	U	30.0	P	01/30/2025	14:38	LB134493
	Copper	20.0	+/-20.0	U	20.0	P	01/30/2025	14:38	LB134493
	Iron	100	+/-100	U	100	P	01/30/2025	14:38	LB134493
	Lead	12.0	+/-12.0	U	12.0	P	01/30/2025	14:38	LB134493
	Magnesium	2000	+/-2000	U	2000	P	01/30/2025	14:38	LB134493
	Manganese	20.0	+/-20.0	U	20.0	P	01/30/2025	14:38	LB134493
	Nickel	40.0	+/-40.0	U	40.0	P	01/30/2025	14:38	LB134493
	Potassium	2000	+/-2000	U	2000	P	01/30/2025	14:38	LB134493
	Selenium	20.0	+/-20.0	U	20.0	P	01/30/2025	14:38	LB134493
	Silver	10.0	+/-10.0	U	10.0	P	01/30/2025	14:38	LB134493
	Sodium	2000	+/-2000	U	2000	P	01/30/2025	14:38	LB134493
	Thallium	40.0	+/-40.0	U	40.0	P	01/30/2025	14:38	LB134493
	Vanadium	40.0	+/-40.0	U	40.0	P	01/30/2025	14:38	LB134493
	Zinc	40.0	+/-40.0	U	40.0	P	01/30/2025	14:38	LB134493
CCB04	Aluminum	100	+/-100	U	100	P	01/30/2025	15:29	LB134493
	Antimony	50.0	+/-50.0	U	50.0	P	01/30/2025	15:29	LB134493
	Arsenic	20.0	+/-20.0	U	20.0	P	01/30/2025	15:29	LB134493
	Barium	100	+/-100	U	100	P	01/30/2025	15:29	LB134493
	Beryllium	6.00	+/-6.00	U	6.00	P	01/30/2025	15:29	LB134493
	Cadmium	6.00	+/-6.00	U	6.00	P	01/30/2025	15:29	LB134493
	Calcium	2000	+/-2000	U	2000	P	01/30/2025	15:29	LB134493
	Chromium	10.0	+/-10.0	U	10.0	P	01/30/2025	15:29	LB134493
	Cobalt	30.0	+/-30.0	U	30.0	P	01/30/2025	15:29	LB134493
	Copper	20.0	+/-20.0	U	20.0	P	01/30/2025	15:29	LB134493
	Iron	100	+/-100	U	100	P	01/30/2025	15:29	LB134493
	Lead	12.0	+/-12.0	U	12.0	P	01/30/2025	15:29	LB134493

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	01/30/2025	15:29	LB134493
	Manganese	20.0	+/-20.0	U	20.0	P	01/30/2025	15:29	LB134493
	Nickel	40.0	+/-40.0	U	40.0	P	01/30/2025	15:29	LB134493
	Potassium	2000	+/-2000	U	2000	P	01/30/2025	15:29	LB134493
	Selenium	20.0	+/-20.0	U	20.0	P	01/30/2025	15:29	LB134493
	Silver	10.0	+/-10.0	U	10.0	P	01/30/2025	15:29	LB134493
	Sodium	2000	+/-2000	U	2000	P	01/30/2025	15:29	LB134493
	Thallium	40.0	+/-40.0	U	40.0	P	01/30/2025	15:29	LB134493
	Vanadium	40.0	+/-40.0	U	40.0	P	01/30/2025	15:29	LB134493
	Zinc	40.0	+/-40.0	U	40.0	P	01/30/2025	15:29	LB134493
CCB05	Aluminum	100	+/-100	U	100	P	01/30/2025	16:28	LB134493
	Antimony	50.0	+/-50.0	U	50.0	P	01/30/2025	16:28	LB134493
	Arsenic	20.0	+/-20.0	U	20.0	P	01/30/2025	16:28	LB134493
	Barium	100	+/-100	U	100	P	01/30/2025	16:28	LB134493
	Beryllium	6.00	+/-6.00	U	6.00	P	01/30/2025	16:28	LB134493
	Cadmium	6.00	+/-6.00	U	6.00	P	01/30/2025	16:28	LB134493
	Calcium	2000	+/-2000	U	2000	P	01/30/2025	16:28	LB134493
	Chromium	10.0	+/-10.0	U	10.0	P	01/30/2025	16:28	LB134493
	Cobalt	30.0	+/-30.0	U	30.0	P	01/30/2025	16:28	LB134493
	Copper	20.0	+/-20.0	U	20.0	P	01/30/2025	16:28	LB134493
	Iron	100	+/-100	U	100	P	01/30/2025	16:28	LB134493
	Lead	12.0	+/-12.0	U	12.0	P	01/30/2025	16:28	LB134493
	Magnesium	2000	+/-2000	U	2000	P	01/30/2025	16:28	LB134493
	Manganese	20.0	+/-20.0	U	20.0	P	01/30/2025	16:28	LB134493
	Nickel	40.0	+/-40.0	U	40.0	P	01/30/2025	16:28	LB134493
	Potassium	2000	+/-2000	U	2000	P	01/30/2025	16:28	LB134493
	Selenium	20.0	+/-20.0	U	20.0	P	01/30/2025	16:28	LB134493
	Silver	10.0	+/-10.0	U	10.0	P	01/30/2025	16:28	LB134493
	Sodium	2000	+/-2000	U	2000	P	01/30/2025	16:28	LB134493
	Thallium	40.0	+/-40.0	U	40.0	P	01/30/2025	16:28	LB134493
	Vanadium	40.0	+/-40.0	U	40.0	P	01/30/2025	16:28	LB134493
	Zinc	40.0	+/-40.0	U	40.0	P	01/30/2025	16:28	LB134493
CCB06	Aluminum	100	+/-100	U	100	P	01/30/2025	17:24	LB134493
	Antimony	50.0	+/-50.0	U	50.0	P	01/30/2025	17:24	LB134493
	Arsenic	20.0	+/-20.0	U	20.0	P	01/30/2025	17:24	LB134493
	Barium	100	+/-100	U	100	P	01/30/2025	17:24	LB134493
	Beryllium	6.00	+/-6.00	U	6.00	P	01/30/2025	17:24	LB134493
	Cadmium	6.00	+/-6.00	U	6.00	P	01/30/2025	17:24	LB134493
	Calcium	2000	+/-2000	U	2000	P	01/30/2025	17:24	LB134493

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	01/30/2025	17:24	LB134493
	Cobalt	30.0	+/-30.0	U	30.0	P	01/30/2025	17:24	LB134493
	Copper	20.0	+/-20.0	U	20.0	P	01/30/2025	17:24	LB134493
	Iron	100	+/-100	U	100	P	01/30/2025	17:24	LB134493
	Lead	12.0	+/-12.0	U	12.0	P	01/30/2025	17:24	LB134493
	Magnesium	2000	+/-2000	U	2000	P	01/30/2025	17:24	LB134493
	Manganese	20.0	+/-20.0	U	20.0	P	01/30/2025	17:24	LB134493
	Nickel	40.0	+/-40.0	U	40.0	P	01/30/2025	17:24	LB134493
	Potassium	2000	+/-2000	U	2000	P	01/30/2025	17:24	LB134493
	Selenium	20.0	+/-20.0	U	20.0	P	01/30/2025	17:24	LB134493
	Silver	10.0	+/-10.0	U	10.0	P	01/30/2025	17:24	LB134493
	Sodium	2000	+/-2000	U	2000	P	01/30/2025	17:24	LB134493
	Thallium	40.0	+/-40.0	U	40.0	P	01/30/2025	17:24	LB134493
	Vanadium	40.0	+/-40.0	U	40.0	P	01/30/2025	17:24	LB134493
	Zinc	40.0	+/-40.0	U	40.0	P	01/30/2025	17:24	LB134493
CCB07	Aluminum	100	+/-100	U	100	P	01/30/2025	18:15	LB134493
	Antimony	50.0	+/-50.0	U	50.0	P	01/30/2025	18:15	LB134493
	Arsenic	20.0	+/-20.0	U	20.0	P	01/30/2025	18:15	LB134493
	Barium	100	+/-100	U	100	P	01/30/2025	18:15	LB134493
	Beryllium	6.00	+/-6.00	U	6.00	P	01/30/2025	18:15	LB134493
	Cadmium	6.00	+/-6.00	U	6.00	P	01/30/2025	18:15	LB134493
	Calcium	2000	+/-2000	U	2000	P	01/30/2025	18:15	LB134493
	Chromium	10.0	+/-10.0	U	10.0	P	01/30/2025	18:15	LB134493
	Cobalt	30.0	+/-30.0	U	30.0	P	01/30/2025	18:15	LB134493
	Copper	20.0	+/-20.0	U	20.0	P	01/30/2025	18:15	LB134493
	Iron	100	+/-100	U	100	P	01/30/2025	18:15	LB134493
	Lead	12.0	+/-12.0	U	12.0	P	01/30/2025	18:15	LB134493
	Magnesium	2000	+/-2000	U	2000	P	01/30/2025	18:15	LB134493
	Manganese	20.0	+/-20.0	U	20.0	P	01/30/2025	18:15	LB134493
	Nickel	40.0	+/-40.0	U	40.0	P	01/30/2025	18:15	LB134493
	Potassium	2000	+/-2000	U	2000	P	01/30/2025	18:15	LB134493
	Selenium	20.0	+/-20.0	U	20.0	P	01/30/2025	18:15	LB134493
	Silver	10.0	+/-10.0	U	10.0	P	01/30/2025	18:15	LB134493
	Sodium	2000	+/-2000	U	2000	P	01/30/2025	18:15	LB134493
	Thallium	40.0	+/-40.0	U	40.0	P	01/30/2025	18:15	LB134493
	Vanadium	40.0	+/-40.0	U	40.0	P	01/30/2025	18:15	LB134493
	Zinc	40.0	+/-40.0	U	40.0	P	01/30/2025	18:15	LB134493
CCB08	Aluminum	100	+/-100	U	100	P	01/30/2025	18:51	LB134493
	Antimony	50.0	+/-50.0	U	50.0	P	01/30/2025	18:51	LB134493

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	01/30/2025	18:51	LB134493
	Barium	100	+/-100	U	100	P	01/30/2025	18:51	LB134493
	Beryllium	6.00	+/-6.00	U	6.00	P	01/30/2025	18:51	LB134493
	Cadmium	6.00	+/-6.00	U	6.00	P	01/30/2025	18:51	LB134493
	Calcium	2000	+/-2000	U	2000	P	01/30/2025	18:51	LB134493
	Chromium	10.0	+/-10.0	U	10.0	P	01/30/2025	18:51	LB134493
	Cobalt	30.0	+/-30.0	U	30.0	P	01/30/2025	18:51	LB134493
	Copper	20.0	+/-20.0	U	20.0	P	01/30/2025	18:51	LB134493
	Iron	100	+/-100	U	100	P	01/30/2025	18:51	LB134493
	Lead	12.0	+/-12.0	U	12.0	P	01/30/2025	18:51	LB134493
	Magnesium	2000	+/-2000	U	2000	P	01/30/2025	18:51	LB134493
	Manganese	20.0	+/-20.0	U	20.0	P	01/30/2025	18:51	LB134493
	Nickel	40.0	+/-40.0	U	40.0	P	01/30/2025	18:51	LB134493
	Potassium	2000	+/-2000	U	2000	P	01/30/2025	18:51	LB134493
	Selenium	20.0	+/-20.0	U	20.0	P	01/30/2025	18:51	LB134493
	Silver	10.0	+/-10.0	U	10.0	P	01/30/2025	18:51	LB134493
	Sodium	2000	+/-2000	U	2000	P	01/30/2025	18:51	LB134493
	Thallium	40.0	+/-40.0	U	40.0	P	01/30/2025	18:51	LB134493
	Vanadium	40.0	+/-40.0	U	40.0	P	01/30/2025	18:51	LB134493
	Zinc	40.0	+/-40.0	U	40.0	P	01/30/2025	18:51	LB134493

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- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB166289BL		**SOLID**		**Batch Number:**	**PB166289**		**Prep Date:**	**01/27/2025**	
	Mercury	0.012	<0.012	U	0.012	CV	01/27/2025	17:58	LB134437

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166291BL		**WATER**		**Batch Number:**	**PB166291**		**Prep Date:**	**01/28/2025**	
	Mercury	0.20	<0.20	U	0.20	CV	01/28/2025	13:23	LB134454

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- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166283BL		**WATER**		**Batch Number:**	**PB166283**		**Prep Date:**	**01/27/2025**	
	Aluminum	50.0	<50.0	U	50.0	P	01/28/2025	14:03	LB134457
	Antimony	25.0	<25.0	U	25.0	P	01/28/2025	14:03	LB134457
	Arsenic	10.0	<10.0	U	10.0	P	01/28/2025	14:03	LB134457
	Barium	50.0	<50.0	U	50.0	P	01/28/2025	14:03	LB134457
	Beryllium	3.00	<3.00	U	3.00	P	01/28/2025	14:03	LB134457
	Cadmium	3.00	<3.00	U	3.00	P	01/28/2025	14:03	LB134457
	Calcium	1000	<1000	U	1000	P	01/28/2025	14:03	LB134457
	Chromium	5.00	<5.00	U	5.00	P	01/28/2025	14:03	LB134457
	Cobalt	15.0	<15.0	U	15.0	P	01/28/2025	14:03	LB134457
	Copper	10.0	<10.0	U	10.0	P	01/28/2025	14:03	LB134457
	Iron	50.0	<50.0	U	50.0	P	01/28/2025	14:03	LB134457
	Lead	6.00	<6.00	U	6.00	P	01/28/2025	14:03	LB134457
	Magnesium	1000	<1000	U	1000	P	01/28/2025	14:03	LB134457
	Manganese	10.0	<10.0	U	10.0	P	01/28/2025	14:03	LB134457
	Nickel	20.0	<20.0	U	20.0	P	01/28/2025	14:03	LB134457
	Potassium	1000	<1000	U	1000	P	01/28/2025	14:03	LB134457
	Selenium	10.0	<10.0	U	10.0	P	01/28/2025	14:03	LB134457
	Silver	5.00	<5.00	U	5.00	P	01/28/2025	14:03	LB134457
	Sodium	1000	<1000	U	1000	P	01/28/2025	14:03	LB134457
	Thallium	20.0	<20.0	U	20.0	P	01/28/2025	14:03	LB134457
	Vanadium	20.0	<20.0	U	20.0	P	01/28/2025	14:03	LB134457
	Zinc	20.0	<20.0	U	20.0	P	01/28/2025	14:03	LB134457

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB166298BL		**SOLID**		**Batch Number:**	**PB166298**		**Prep Date:**	**01/28/2025**	
	Aluminum	4.31	<4.31	U	4.31	P	01/29/2025	13:01	LB134477
	Antimony	2.16	<2.16	U	2.16	P	01/29/2025	13:01	LB134477
	Arsenic	0.86	<0.86	U	0.86	P	01/29/2025	13:01	LB134477
	Barium	4.31	<4.31	U	4.31	P	01/29/2025	13:01	LB134477
	Beryllium	0.26	<0.26	U	0.26	P	01/29/2025	13:01	LB134477
	Cadmium	0.26	<0.26	U	0.26	P	01/29/2025	13:01	LB134477
	Calcium	86.2	<86.2	U	86.2	P	01/29/2025	13:01	LB134477
	Chromium	0.43	<0.43	U	0.43	P	01/29/2025	13:01	LB134477
	Cobalt	1.29	<1.29	U	1.29	P	01/29/2025	13:01	LB134477
	Copper	0.86	<0.86	U	0.86	P	01/29/2025	13:01	LB134477
	Iron	4.31	<4.31	U	4.31	P	01/29/2025	13:01	LB134477
	Lead	0.52	<0.52	U	0.52	P	01/29/2025	13:01	LB134477
	Magnesium	86.2	<86.2	U	86.2	P	01/29/2025	13:01	LB134477
	Manganese	0.86	<0.86	U	0.86	P	01/29/2025	13:01	LB134477
	Nickel	1.72	<1.72	U	1.72	P	01/29/2025	13:01	LB134477

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Instrument: P4

Potassium	86.2	<86.2	U	86.2	P	01/29/2025	13:01	LB134477
Selenium	0.86	<0.86	U	0.86	P	01/29/2025	13:01	LB134477
Silver	0.43	<0.43	U	0.43	P	01/29/2025	13:01	LB134477
Sodium	86.2	<86.2	U	86.2	P	01/29/2025	13:01	LB134477
Thallium	1.72	<1.72	U	1.72	P	01/29/2025	13:01	LB134477
Vanadium	1.72	<1.72	U	1.72	P	01/29/2025	13:01	LB134477
Zinc	1.72	<1.72	U	1.72	P	01/29/2025	13:01	LB134477

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV70	Mercury	3.89	4.0	97	90 - 110	CV	01/27/2025	17:42	LB134437

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV74	Mercury	5.23	5.0	104	90 - 110	CV	01/27/2025	17:46	LB134437
CCV75	Mercury	5.14	5.0	103	90 - 110	CV	01/27/2025	18:17	LB134437
CCV76	Mercury	5.14	5.0	103	90 - 110	CV	01/27/2025	18:46	LB134437
CCV77	Mercury	5.24	5.0	105	90 - 110	CV	01/27/2025	18:54	LB134437

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV72	Mercury	3.93	4.0	98	90 - 110	CV	01/28/2025	12:39	LB134454

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV79	Mercury	5.00	5.0	100	90 - 110	CV	01/28/2025	12:44	LB134454
CCV80	Mercury	5.08	5.0	102	90 - 110	CV	01/28/2025	13:11	LB134454
CCV81	Mercury	5.13	5.0	103	90 - 110	CV	01/28/2025	13:46	LB134454
CCV82	Mercury	4.85	5.0	97	90 - 110	CV	01/28/2025	14:07	LB134454

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2360	2500	94	90 - 110	P	01/28/2025	12:03	LB134457
	Antimony	993	1000	99	90 - 110	P	01/28/2025	12:03	LB134457
	Arsenic	990	1000	99	90 - 110	P	01/28/2025	12:03	LB134457
	Barium	470	520	90	90 - 110	P	01/28/2025	12:03	LB134457
	Beryllium	475	510	93	90 - 110	P	01/28/2025	12:03	LB134457
	Cadmium	486	510	95	90 - 110	P	01/28/2025	12:03	LB134457
	Calcium	9340	10000	93	90 - 110	P	01/28/2025	12:03	LB134457
	Chromium	520	520	100	90 - 110	P	01/28/2025	12:03	LB134457
	Cobalt	489	520	94	90 - 110	P	01/28/2025	12:03	LB134457
	Copper	511	510	100	90 - 110	P	01/28/2025	12:03	LB134457
	Iron	9750	10000	98	90 - 110	P	01/28/2025	12:03	LB134457
	Lead	984	1000	98	90 - 110	P	01/28/2025	12:03	LB134457
	Magnesium	5480	6000	91	90 - 110	P	01/28/2025	12:03	LB134457
	Manganese	473	520	91	90 - 110	P	01/28/2025	12:03	LB134457
	Nickel	493	530	93	90 - 110	P	01/28/2025	12:03	LB134457
	Potassium	9490	9900	96	90 - 110	P	01/28/2025	12:03	LB134457
	Selenium	1010	1000	101	90 - 110	P	01/28/2025	12:03	LB134457
	Silver	250	250	100	90 - 110	P	01/28/2025	12:03	LB134457
	Sodium	9180	10000	92	90 - 110	P	01/28/2025	12:03	LB134457
	Thallium	1000	1000	100	90 - 110	P	01/28/2025	12:03	LB134457
	Vanadium	473	500	95	90 - 110	P	01/28/2025	12:03	LB134457
	Zinc	1000	1000	100	90 - 110	P	01/28/2025	12:03	LB134457

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	94.1	100	94	80 - 120	P	01/28/2025	12:08	LB134457
	Antimony	50.6	50.0	101	80 - 120	P	01/28/2025	12:08	LB134457
	Arsenic	22.7	20.0	114	80 - 120	P	01/28/2025	12:08	LB134457
	Barium	89.9	100	90	80 - 120	P	01/28/2025	12:08	LB134457
	Beryllium	5.62	6.0	94	80 - 120	P	01/28/2025	12:08	LB134457
	Cadmium	5.78	6.0	96	80 - 120	P	01/28/2025	12:08	LB134457
	Calcium	1870	2000	93	80 - 120	P	01/28/2025	12:08	LB134457
	Chromium	10.1	10.0	101	80 - 120	P	01/28/2025	12:08	LB134457
	Cobalt	28.9	30.0	96	80 - 120	P	01/28/2025	12:08	LB134457
	Copper	21.5	20.0	108	80 - 120	P	01/28/2025	12:08	LB134457
	Iron	85.8	100	86	80 - 120	P	01/28/2025	12:08	LB134457
	Lead	11.8	12.0	99	80 - 120	P	01/28/2025	12:08	LB134457
	Magnesium	1970	2000	98	80 - 120	P	01/28/2025	12:08	LB134457
	Manganese	19.9	20.0	99	80 - 120	P	01/28/2025	12:08	LB134457
	Nickel	38.4	40.0	96	80 - 120	P	01/28/2025	12:08	LB134457
	Potassium	1920	2000	96	80 - 120	P	01/28/2025	12:08	LB134457
	Selenium	21.2	20.0	106	80 - 120	P	01/28/2025	12:08	LB134457
	Silver	10.9	10.0	109	80 - 120	P	01/28/2025	12:08	LB134457
	Sodium	1780	2000	89	80 - 120	P	01/28/2025	12:08	LB134457
	Thallium	40.8	40.0	102	80 - 120	P	01/28/2025	12:08	LB134457
	Vanadium	37.5	40.0	94	80 - 120	P	01/28/2025	12:08	LB134457
	Zinc	39.8	40.0	99	80 - 120	P	01/28/2025	12:08	LB134457

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9670	10000	97	90 - 110	P	01/28/2025	12:39	LB134457
	Antimony	5090	5000	102	90 - 110	P	01/28/2025	12:39	LB134457
	Arsenic	4990	5000	100	90 - 110	P	01/28/2025	12:39	LB134457
	Barium	9080	10000	91	90 - 110	P	01/28/2025	12:39	LB134457
	Beryllium	232	250	93	90 - 110	P	01/28/2025	12:39	LB134457
	Cadmium	2440	2500	98	90 - 110	P	01/28/2025	12:39	LB134457
	Calcium	23300	25000	93	90 - 110	P	01/28/2025	12:39	LB134457
	Chromium	1010	1000	101	90 - 110	P	01/28/2025	12:39	LB134457
	Cobalt	2430	2500	97	90 - 110	P	01/28/2025	12:39	LB134457
	Copper	1260	1250	101	90 - 110	P	01/28/2025	12:39	LB134457
	Iron	4830	5000	97	90 - 110	P	01/28/2025	12:39	LB134457
	Lead	4940	5000	99	90 - 110	P	01/28/2025	12:39	LB134457
	Magnesium	23100	25000	92	90 - 110	P	01/28/2025	12:39	LB134457
	Manganese	2390	2500	96	90 - 110	P	01/28/2025	12:39	LB134457
	Nickel	2450	2500	98	90 - 110	P	01/28/2025	12:39	LB134457
	Potassium	24100	25000	96	90 - 110	P	01/28/2025	12:39	LB134457
	Selenium	5090	5000	102	90 - 110	P	01/28/2025	12:39	LB134457
	Silver	1220	1250	98	90 - 110	P	01/28/2025	12:39	LB134457
	Sodium	23700	25000	95	90 - 110	P	01/28/2025	12:39	LB134457
	Thallium	4990	5000	100	90 - 110	P	01/28/2025	12:39	LB134457
	Vanadium	2360	2500	94	90 - 110	P	01/28/2025	12:39	LB134457
	Zinc	2510	2500	100	90 - 110	P	01/28/2025	12:39	LB134457
CCV02	Aluminum	9810	10000	98	90 - 110	P	01/28/2025	13:42	LB134457
	Antimony	5060	5000	101	90 - 110	P	01/28/2025	13:42	LB134457
	Arsenic	4890	5000	98	90 - 110	P	01/28/2025	13:42	LB134457
	Barium	9400	10000	94	90 - 110	P	01/28/2025	13:42	LB134457
	Beryllium	232	250	93	90 - 110	P	01/28/2025	13:42	LB134457
	Cadmium	2410	2500	97	90 - 110	P	01/28/2025	13:42	LB134457
	Calcium	23600	25000	94	90 - 110	P	01/28/2025	13:42	LB134457
	Chromium	1010	1000	100	90 - 110	P	01/28/2025	13:42	LB134457
	Cobalt	2410	2500	96	90 - 110	P	01/28/2025	13:42	LB134457
	Copper	1260	1250	101	90 - 110	P	01/28/2025	13:42	LB134457
	Iron	4890	5000	98	90 - 110	P	01/28/2025	13:42	LB134457
	Lead	4900	5000	98	90 - 110	P	01/28/2025	13:42	LB134457

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	23400	25000	94	90 - 110	P	01/28/2025	13:42	LB134457
	Manganese	2280	2500	91	90 - 110	P	01/28/2025	13:42	LB134457
	Nickel	2440	2500	97	90 - 110	P	01/28/2025	13:42	LB134457
	Potassium	24700	25000	99	90 - 110	P	01/28/2025	13:42	LB134457
	Selenium	4990	5000	100	90 - 110	P	01/28/2025	13:42	LB134457
	Silver	1210	1250	97	90 - 110	P	01/28/2025	13:42	LB134457
	Sodium	24800	25000	99	90 - 110	P	01/28/2025	13:42	LB134457
	Thallium	4930	5000	99	90 - 110	P	01/28/2025	13:42	LB134457
	Vanadium	2400	2500	96	90 - 110	P	01/28/2025	13:42	LB134457
	Zinc	2510	2500	100	90 - 110	P	01/28/2025	13:42	LB134457
CCV03	Aluminum	9930	10000	99	90 - 110	P	01/28/2025	14:33	LB134457
	Antimony	5140	5000	103	90 - 110	P	01/28/2025	14:33	LB134457
	Arsenic	5050	5000	101	90 - 110	P	01/28/2025	14:33	LB134457
	Barium	9470	10000	95	90 - 110	P	01/28/2025	14:33	LB134457
	Beryllium	247	250	99	90 - 110	P	01/28/2025	14:33	LB134457
	Cadmium	2500	2500	100	90 - 110	P	01/28/2025	14:33	LB134457
	Calcium	24000	25000	96	90 - 110	P	01/28/2025	14:33	LB134457
	Chromium	1040	1000	104	90 - 110	P	01/28/2025	14:33	LB134457
	Cobalt	2500	2500	100	90 - 110	P	01/28/2025	14:33	LB134457
	Copper	1290	1250	103	90 - 110	P	01/28/2025	14:33	LB134457
	Iron	4840	5000	97	90 - 110	P	01/28/2025	14:33	LB134457
	Lead	5060	5000	101	90 - 110	P	01/28/2025	14:33	LB134457
	Magnesium	23900	25000	96	90 - 110	P	01/28/2025	14:33	LB134457
	Manganese	2300	2500	92	90 - 110	P	01/28/2025	14:33	LB134457
	Nickel	2520	2500	101	90 - 110	P	01/28/2025	14:33	LB134457
	Potassium	23700	25000	95	90 - 110	P	01/28/2025	14:33	LB134457
	Selenium	5110	5000	102	90 - 110	P	01/28/2025	14:33	LB134457
	Silver	1260	1250	101	90 - 110	P	01/28/2025	14:33	LB134457
	Sodium	23300	25000	93	90 - 110	P	01/28/2025	14:33	LB134457
	Thallium	5090	5000	102	90 - 110	P	01/28/2025	14:33	LB134457
	Vanadium	2430	2500	97	90 - 110	P	01/28/2025	14:33	LB134457
	Zinc	2580	2500	103	90 - 110	P	01/28/2025	14:33	LB134457
CCV04	Aluminum	9750	10000	98	90 - 110	P	01/28/2025	15:32	LB134457
	Antimony	5030	5000	100	90 - 110	P	01/28/2025	15:32	LB134457

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4850	5000	97	90 - 110	P	01/28/2025	15:32	LB134457
	Barium	9320	10000	93	90 - 110	P	01/28/2025	15:32	LB134457
	Beryllium	236	250	94	90 - 110	P	01/28/2025	15:32	LB134457
	Cadmium	2430	2500	97	90 - 110	P	01/28/2025	15:32	LB134457
	Calcium	23600	25000	94	90 - 110	P	01/28/2025	15:32	LB134457
	Chromium	1010	1000	101	90 - 110	P	01/28/2025	15:32	LB134457
	Cobalt	2420	2500	97	90 - 110	P	01/28/2025	15:32	LB134457
	Copper	1260	1250	100	90 - 110	P	01/28/2025	15:32	LB134457
	Iron	4920	5000	98	90 - 110	P	01/28/2025	15:32	LB134457
	Lead	4920	5000	98	90 - 110	P	01/28/2025	15:32	LB134457
	Magnesium	23600	25000	94	90 - 110	P	01/28/2025	15:32	LB134457
	Manganese	2300	2500	92	90 - 110	P	01/28/2025	15:32	LB134457
	Nickel	2450	2500	98	90 - 110	P	01/28/2025	15:32	LB134457
	Potassium	24000	25000	96	90 - 110	P	01/28/2025	15:32	LB134457
	Selenium	4930	5000	99	90 - 110	P	01/28/2025	15:32	LB134457
	Silver	1220	1250	98	90 - 110	P	01/28/2025	15:32	LB134457
	Sodium	24200	25000	97	90 - 110	P	01/28/2025	15:32	LB134457
	Thallium	4760	5000	95	90 - 110	P	01/28/2025	15:32	LB134457
	Vanadium	2390	2500	95	90 - 110	P	01/28/2025	15:32	LB134457
	Zinc	2530	2500	101	90 - 110	P	01/28/2025	15:32	LB134457
CCV05	Aluminum	9610	10000	96	90 - 110	P	01/28/2025	15:52	LB134457
	Antimony	5010	5000	100	90 - 110	P	01/28/2025	15:52	LB134457
	Arsenic	4890	5000	98	90 - 110	P	01/28/2025	15:52	LB134457
	Barium	9150	10000	92	90 - 110	P	01/28/2025	15:52	LB134457
	Beryllium	239	250	96	90 - 110	P	01/28/2025	15:52	LB134457
	Cadmium	2440	2500	98	90 - 110	P	01/28/2025	15:52	LB134457
	Calcium	23400	25000	94	90 - 110	P	01/28/2025	15:52	LB134457
	Chromium	1010	1000	101	90 - 110	P	01/28/2025	15:52	LB134457
	Cobalt	2430	2500	97	90 - 110	P	01/28/2025	15:52	LB134457
	Copper	1260	1250	101	90 - 110	P	01/28/2025	15:52	LB134457
	Iron	4820	5000	96	90 - 110	P	01/28/2025	15:52	LB134457
	Lead	4940	5000	99	90 - 110	P	01/28/2025	15:52	LB134457
	Magnesium	23400	25000	94	90 - 110	P	01/28/2025	15:52	LB134457
	Manganese	2270	2500	91	90 - 110	P	01/28/2025	15:52	LB134457

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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2460	2500	98	90 - 110	P	01/28/2025	15:52	LB134457
	Potassium	23400	25000	94	90 - 110	P	01/28/2025	15:52	LB134457
	Selenium	4960	5000	99	90 - 110	P	01/28/2025	15:52	LB134457
	Silver	1220	1250	98	90 - 110	P	01/28/2025	15:52	LB134457
	Sodium	23300	25000	93	90 - 110	P	01/28/2025	15:52	LB134457
	Thallium	4780	5000	96	90 - 110	P	01/28/2025	15:52	LB134457
	Vanadium	2360	2500	94	90 - 110	P	01/28/2025	15:52	LB134457
	Zinc	2460	2500	98	90 - 110	P	01/28/2025	15:52	LB134457

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2420	2500	97	90 - 110	P	01/29/2025	11:16	LB134477
	Antimony	984	1000	98	90 - 110	P	01/29/2025	11:16	LB134477
	Arsenic	992	1000	99	90 - 110	P	01/29/2025	11:16	LB134477
	Barium	478	520	92	90 - 110	P	01/29/2025	11:16	LB134477
	Beryllium	482	510	94	90 - 110	P	01/29/2025	11:16	LB134477
	Cadmium	490	510	96	90 - 110	P	01/29/2025	11:16	LB134477
	Calcium	9550	10000	96	90 - 110	P	01/29/2025	11:16	LB134477
	Chromium	517	520	100	90 - 110	P	01/29/2025	11:16	LB134477
	Cobalt	493	520	95	90 - 110	P	01/29/2025	11:16	LB134477
	Copper	512	510	100	90 - 110	P	01/29/2025	11:16	LB134477
	Iron	9940	10000	99	90 - 110	P	01/29/2025	11:16	LB134477
	Lead	983	1000	98	90 - 110	P	01/29/2025	11:16	LB134477
	Magnesium	5680	6000	95	90 - 110	P	01/29/2025	11:16	LB134477
	Manganese	491	520	94	90 - 110	P	01/29/2025	11:16	LB134477
	Nickel	495	530	93	90 - 110	P	01/29/2025	11:16	LB134477
	Potassium	9840	9900	99	90 - 110	P	01/29/2025	11:16	LB134477
	Selenium	1000	1000	100	90 - 110	P	01/29/2025	11:16	LB134477
	Silver	250	250	100	90 - 110	P	01/29/2025	11:16	LB134477
	Sodium	9450	10000	94	90 - 110	P	01/29/2025	11:16	LB134477
	Thallium	1010	1000	101	90 - 110	P	01/29/2025	11:16	LB134477
	Vanadium	486	500	97	90 - 110	P	01/29/2025	11:16	LB134477
	Zinc	996	1000	100	90 - 110	P	01/29/2025	11:16	LB134477

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	97.5	100	98	80 - 120	P	01/29/2025	11:32	LB134477
	Antimony	48.7	50.0	97	80 - 120	P	01/29/2025	11:32	LB134477
	Arsenic	22.8	20.0	114	80 - 120	P	01/29/2025	11:32	LB134477
	Barium	86.5	100	86	80 - 120	P	01/29/2025	11:32	LB134477
	Beryllium	5.74	6.0	96	80 - 120	P	01/29/2025	11:32	LB134477
	Cadmium	5.80	6.0	97	80 - 120	P	01/29/2025	11:32	LB134477
	Calcium	1900	2000	95	80 - 120	P	01/29/2025	11:32	LB134477
	Chromium	9.94	10.0	99	80 - 120	P	01/29/2025	11:32	LB134477
	Cobalt	28.8	30.0	96	80 - 120	P	01/29/2025	11:32	LB134477
	Copper	21.5	20.0	108	80 - 120	P	01/29/2025	11:32	LB134477
	Iron	83.4	100	83	80 - 120	P	01/29/2025	11:32	LB134477
	Lead	11.8	12.0	98	80 - 120	P	01/29/2025	11:32	LB134477
	Magnesium	2000	2000	100	80 - 120	P	01/29/2025	11:32	LB134477
	Manganese	18.3	20.0	91	80 - 120	P	01/29/2025	11:32	LB134477
	Nickel	38.8	40.0	97	80 - 120	P	01/29/2025	11:32	LB134477
	Potassium	1910	2000	96	80 - 120	P	01/29/2025	11:32	LB134477
	Selenium	19.5	20.0	98	80 - 120	P	01/29/2025	11:32	LB134477
	Silver	11.0	10.0	110	80 - 120	P	01/29/2025	11:32	LB134477
	Sodium	1680	2000	84	80 - 120	P	01/29/2025	11:32	LB134477
	Thallium	39.0	40.0	98	80 - 120	P	01/29/2025	11:32	LB134477
	Vanadium	37.6	40.0	94	80 - 120	P	01/29/2025	11:32	LB134477
	Zinc	40.3	40.0	101	80 - 120	P	01/29/2025	11:32	LB134477

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9810	10000	98	90 - 110	P	01/29/2025	12:06	LB134477
	Antimony	4900	5000	98	90 - 110	P	01/29/2025	12:06	LB134477
	Arsenic	4890	5000	98	90 - 110	P	01/29/2025	12:06	LB134477
	Barium	9210	10000	92	90 - 110	P	01/29/2025	12:06	LB134477
	Beryllium	243	250	97	90 - 110	P	01/29/2025	12:06	LB134477
	Cadmium	2440	2500	98	90 - 110	P	01/29/2025	12:06	LB134477
	Calcium	23900	25000	96	90 - 110	P	01/29/2025	12:06	LB134477
	Chromium	1010	1000	102	90 - 110	P	01/29/2025	12:06	LB134477
	Cobalt	2430	2500	97	90 - 110	P	01/29/2025	12:06	LB134477
	Copper	1230	1250	99	90 - 110	P	01/29/2025	12:06	LB134477
	Iron	4810	5000	96	90 - 110	P	01/29/2025	12:06	LB134477
	Lead	4900	5000	98	90 - 110	P	01/29/2025	12:06	LB134477
	Magnesium	24200	25000	97	90 - 110	P	01/29/2025	12:06	LB134477
	Manganese	2320	2500	93	90 - 110	P	01/29/2025	12:06	LB134477
	Nickel	2440	2500	98	90 - 110	P	01/29/2025	12:06	LB134477
	Potassium	24100	25000	96	90 - 110	P	01/29/2025	12:06	LB134477
	Selenium	4890	5000	98	90 - 110	P	01/29/2025	12:06	LB134477
	Silver	1240	1250	99	90 - 110	P	01/29/2025	12:06	LB134477
	Sodium	23300	25000	93	90 - 110	P	01/29/2025	12:06	LB134477
	Thallium	5020	5000	100	90 - 110	P	01/29/2025	12:06	LB134477
	Vanadium	2400	2500	96	90 - 110	P	01/29/2025	12:06	LB134477
	Zinc	2500	2500	100	90 - 110	P	01/29/2025	12:06	LB134477
CCV02	Aluminum	9950	10000	100	90 - 110	P	01/29/2025	13:12	LB134477
	Antimony	4910	5000	98	90 - 110	P	01/29/2025	13:12	LB134477
	Arsenic	4910	5000	98	90 - 110	P	01/29/2025	13:12	LB134477
	Barium	9280	10000	93	90 - 110	P	01/29/2025	13:12	LB134477
	Beryllium	241	250	97	90 - 110	P	01/29/2025	13:12	LB134477
	Cadmium	2440	2500	97	90 - 110	P	01/29/2025	13:12	LB134477
	Calcium	23800	25000	95	90 - 110	P	01/29/2025	13:12	LB134477
	Chromium	1020	1000	102	90 - 110	P	01/29/2025	13:12	LB134477
	Cobalt	2430	2500	97	90 - 110	P	01/29/2025	13:12	LB134477
	Copper	1240	1250	99	90 - 110	P	01/29/2025	13:12	LB134477
	Iron	4810	5000	96	90 - 110	P	01/29/2025	13:12	LB134477
	Lead	4880	5000	98	90 - 110	P	01/29/2025	13:12	LB134477

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24400	25000	98	90 - 110	P	01/29/2025	13:12	LB134477
	Manganese	2300	2500	92	90 - 110	P	01/29/2025	13:12	LB134477
	Nickel	2430	2500	97	90 - 110	P	01/29/2025	13:12	LB134477
	Potassium	24400	25000	98	90 - 110	P	01/29/2025	13:12	LB134477
	Selenium	4900	5000	98	90 - 110	P	01/29/2025	13:12	LB134477
	Silver	1230	1250	99	90 - 110	P	01/29/2025	13:12	LB134477
	Sodium	23600	25000	94	90 - 110	P	01/29/2025	13:12	LB134477
	Thallium	4910	5000	98	90 - 110	P	01/29/2025	13:12	LB134477
	Vanadium	2420	2500	97	90 - 110	P	01/29/2025	13:12	LB134477
	Zinc	2500	2500	100	90 - 110	P	01/29/2025	13:12	LB134477
CCV03	Aluminum	9760	10000	98	90 - 110	P	01/29/2025	14:01	LB134477
	Antimony	4820	5000	96	90 - 110	P	01/29/2025	14:01	LB134477
	Arsenic	4850	5000	97	90 - 110	P	01/29/2025	14:01	LB134477
	Barium	9080	10000	91	90 - 110	P	01/29/2025	14:01	LB134477
	Beryllium	238	250	95	90 - 110	P	01/29/2025	14:01	LB134477
	Cadmium	2400	2500	96	90 - 110	P	01/29/2025	14:01	LB134477
	Calcium	23500	25000	94	90 - 110	P	01/29/2025	14:01	LB134477
	Chromium	1010	1000	101	90 - 110	P	01/29/2025	14:01	LB134477
	Cobalt	2390	2500	96	90 - 110	P	01/29/2025	14:01	LB134477
	Copper	1210	1250	97	90 - 110	P	01/29/2025	14:01	LB134477
	Iron	4810	5000	96	90 - 110	P	01/29/2025	14:01	LB134477
	Lead	4810	5000	96	90 - 110	P	01/29/2025	14:01	LB134477
	Magnesium	24100	25000	96	90 - 110	P	01/29/2025	14:01	LB134477
	Manganese	2280	2500	91	90 - 110	P	01/29/2025	14:01	LB134477
	Nickel	2400	2500	96	90 - 110	P	01/29/2025	14:01	LB134477
	Potassium	24200	25000	97	90 - 110	P	01/29/2025	14:01	LB134477
	Selenium	4850	5000	97	90 - 110	P	01/29/2025	14:01	LB134477
	Silver	1220	1250	97	90 - 110	P	01/29/2025	14:01	LB134477
	Sodium	23600	25000	94	90 - 110	P	01/29/2025	14:01	LB134477
	Thallium	5000	5000	100	90 - 110	P	01/29/2025	14:01	LB134477
	Vanadium	2380	2500	95	90 - 110	P	01/29/2025	14:01	LB134477
	Zinc	2460	2500	99	90 - 110	P	01/29/2025	14:01	LB134477
CCV04	Aluminum	9770	10000	98	90 - 110	P	01/29/2025	14:24	LB134477
	Antimony	4820	5000	96	90 - 110	P	01/29/2025	14:24	LB134477

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4810	5000	96	90 - 110	P	01/29/2025	14:24	LB134477
	Barium	9120	10000	91	90 - 110	P	01/29/2025	14:24	LB134477
	Beryllium	238	250	95	90 - 110	P	01/29/2025	14:24	LB134477
	Cadmium	2390	2500	96	90 - 110	P	01/29/2025	14:24	LB134477
	Calcium	23400	25000	94	90 - 110	P	01/29/2025	14:24	LB134477
	Chromium	1010	1000	101	90 - 110	P	01/29/2025	14:24	LB134477
	Cobalt	2380	2500	95	90 - 110	P	01/29/2025	14:24	LB134477
	Copper	1220	1250	98	90 - 110	P	01/29/2025	14:24	LB134477
	Iron	4760	5000	95	90 - 110	P	01/29/2025	14:24	LB134477
	Lead	4810	5000	96	90 - 110	P	01/29/2025	14:24	LB134477
	Magnesium	23900	25000	95	90 - 110	P	01/29/2025	14:24	LB134477
	Manganese	2260	2500	90	90 - 110	P	01/29/2025	14:24	LB134477
	Nickel	2390	2500	96	90 - 110	P	01/29/2025	14:24	LB134477
	Potassium	24100	25000	96	90 - 110	P	01/29/2025	14:24	LB134477
	Selenium	4820	5000	96	90 - 110	P	01/29/2025	14:24	LB134477
	Silver	1220	1250	98	90 - 110	P	01/29/2025	14:24	LB134477
	Sodium	23300	25000	93	90 - 110	P	01/29/2025	14:24	LB134477
	Thallium	4910	5000	98	90 - 110	P	01/29/2025	14:24	LB134477
	Vanadium	2380	2500	95	90 - 110	P	01/29/2025	14:24	LB134477
	Zinc	2420	2500	97	90 - 110	P	01/29/2025	14:24	LB134477

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2350	2500	94	90 - 110	P	01/30/2025	11:49	LB134493
	Antimony	1000	1000	100	90 - 110	P	01/30/2025	11:49	LB134493
	Arsenic	1040	1000	104	90 - 110	P	01/30/2025	11:49	LB134493
	Barium	470	520	90	90 - 110	P	01/30/2025	11:49	LB134493
	Beryllium	472	510	92	90 - 110	P	01/30/2025	11:49	LB134493
	Cadmium	502	510	98	90 - 110	P	01/30/2025	11:49	LB134493
	Calcium	9280	10000	93	90 - 110	P	01/30/2025	11:49	LB134493
	Chromium	522	520	100	90 - 110	P	01/30/2025	11:49	LB134493
	Cobalt	504	520	97	90 - 110	P	01/30/2025	11:49	LB134493
	Copper	523	510	103	90 - 110	P	01/30/2025	11:49	LB134493
	Iron	9560	10000	96	90 - 110	P	01/30/2025	11:49	LB134493
	Lead	1000	1000	100	90 - 110	P	01/30/2025	11:49	LB134493
	Magnesium	5450	6000	91	90 - 110	P	01/30/2025	11:49	LB134493
	Manganese	519	520	100	90 - 110	P	01/30/2025	11:49	LB134493
	Nickel	507	530	96	90 - 110	P	01/30/2025	11:49	LB134493
	Potassium	9440	9900	95	90 - 110	P	01/30/2025	11:49	LB134493
	Selenium	1040	1000	104	90 - 110	P	01/30/2025	11:49	LB134493
	Silver	252	250	101	90 - 110	P	01/30/2025	11:49	LB134493
	Sodium	9500	10000	95	90 - 110	P	01/30/2025	11:49	LB134493
	Thallium	1020	1000	102	90 - 110	P	01/30/2025	11:49	LB134493
	Vanadium	455	500	91	90 - 110	P	01/30/2025	11:49	LB134493
	Zinc	1010	1000	101	90 - 110	P	01/30/2025	11:49	LB134493

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	89.2	100	89	80 - 120	P	01/30/2025	11:56	LB134493
	Antimony	49.5	50.0	99	80 - 120	P	01/30/2025	11:56	LB134493
	Arsenic	21.3	20.0	107	80 - 120	P	01/30/2025	11:56	LB134493
	Barium	83.9	100	84	80 - 120	P	01/30/2025	11:56	LB134493
	Beryllium	5.55	6.0	92	80 - 120	P	01/30/2025	11:56	LB134493
	Cadmium	5.60	6.0	93	80 - 120	P	01/30/2025	11:56	LB134493
	Calcium	1830	2000	92	80 - 120	P	01/30/2025	11:56	LB134493
	Chromium	9.80	10.0	98	80 - 120	P	01/30/2025	11:56	LB134493
	Cobalt	28.7	30.0	96	80 - 120	P	01/30/2025	11:56	LB134493
	Copper	21.6	20.0	108	80 - 120	P	01/30/2025	11:56	LB134493
	Iron	106	100	106	80 - 120	P	01/30/2025	11:56	LB134493
	Lead	12.2	12.0	102	80 - 120	P	01/30/2025	11:56	LB134493
	Magnesium	1970	2000	99	80 - 120	P	01/30/2025	11:56	LB134493
	Manganese	18.0	20.0	90	80 - 120	P	01/30/2025	11:56	LB134493
	Nickel	38.6	40.0	97	80 - 120	P	01/30/2025	11:56	LB134493
	Potassium	1920	2000	96	80 - 120	P	01/30/2025	11:56	LB134493
	Selenium	19.1	20.0	96	80 - 120	P	01/30/2025	11:56	LB134493
	Silver	10.4	10.0	104	80 - 120	P	01/30/2025	11:56	LB134493
	Sodium	1920	2000	96	80 - 120	P	01/30/2025	11:56	LB134493
	Thallium	39.0	40.0	98	80 - 120	P	01/30/2025	11:56	LB134493
	Vanadium	34.8	40.0	87	80 - 120	P	01/30/2025	11:56	LB134493
	Zinc	38.3	40.0	96	80 - 120	P	01/30/2025	11:56	LB134493

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- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9490	10000	95	90 - 110	P	01/30/2025	12:41	LB134493
	Antimony	5010	5000	100	90 - 110	P	01/30/2025	12:41	LB134493
	Arsenic	4950	5000	99	90 - 110	P	01/30/2025	12:41	LB134493
	Barium	9130	10000	91	90 - 110	P	01/30/2025	12:41	LB134493
	Beryllium	237	250	95	90 - 110	P	01/30/2025	12:41	LB134493
	Cadmium	2420	2500	97	90 - 110	P	01/30/2025	12:41	LB134493
	Calcium	23200	25000	93	90 - 110	P	01/30/2025	12:41	LB134493
	Chromium	988	1000	99	90 - 110	P	01/30/2025	12:41	LB134493
	Cobalt	2420	2500	97	90 - 110	P	01/30/2025	12:41	LB134493
	Copper	1250	1250	100	90 - 110	P	01/30/2025	12:41	LB134493
	Iron	4690	5000	94	90 - 110	P	01/30/2025	12:41	LB134493
	Lead	4840	5000	97	90 - 110	P	01/30/2025	12:41	LB134493
	Magnesium	23200	25000	93	90 - 110	P	01/30/2025	12:41	LB134493
	Manganese	2260	2500	90	90 - 110	P	01/30/2025	12:41	LB134493
	Nickel	2420	2500	97	90 - 110	P	01/30/2025	12:41	LB134493
	Potassium	23700	25000	95	90 - 110	P	01/30/2025	12:41	LB134493
	Selenium	5010	5000	100	90 - 110	P	01/30/2025	12:41	LB134493
	Silver	1210	1250	97	90 - 110	P	01/30/2025	12:41	LB134493
	Sodium	24100	25000	96	90 - 110	P	01/30/2025	12:41	LB134493
	Thallium	5080	5000	102	90 - 110	P	01/30/2025	12:41	LB134493
	Vanadium	2350	2500	94	90 - 110	P	01/30/2025	12:41	LB134493
	Zinc	2460	2500	98	90 - 110	P	01/30/2025	12:41	LB134493
CCV02	Aluminum	9600	10000	96	90 - 110	P	01/30/2025	13:33	LB134493
	Antimony	5060	5000	101	90 - 110	P	01/30/2025	13:33	LB134493
	Arsenic	5000	5000	100	90 - 110	P	01/30/2025	13:33	LB134493
	Barium	9200	10000	92	90 - 110	P	01/30/2025	13:33	LB134493
	Beryllium	232	250	93	90 - 110	P	01/30/2025	13:33	LB134493
	Cadmium	2420	2500	97	90 - 110	P	01/30/2025	13:33	LB134493
	Calcium	23300	25000	93	90 - 110	P	01/30/2025	13:33	LB134493
	Chromium	988	1000	99	90 - 110	P	01/30/2025	13:33	LB134493
	Cobalt	2410	2500	96	90 - 110	P	01/30/2025	13:33	LB134493
	Copper	1250	1250	100	90 - 110	P	01/30/2025	13:33	LB134493
	Iron	4770	5000	96	90 - 110	P	01/30/2025	13:33	LB134493
	Lead	4830	5000	97	90 - 110	P	01/30/2025	13:33	LB134493

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	23300	25000	93	90 - 110	P	01/30/2025	13:33	LB134493
	Manganese	2250	2500	90	90 - 110	P	01/30/2025	13:33	LB134493
	Nickel	2420	2500	97	90 - 110	P	01/30/2025	13:33	LB134493
	Potassium	24400	25000	97	90 - 110	P	01/30/2025	13:33	LB134493
	Selenium	5050	5000	101	90 - 110	P	01/30/2025	13:33	LB134493
	Silver	1200	1250	96	90 - 110	P	01/30/2025	13:33	LB134493
	Sodium	25000	25000	100	90 - 110	P	01/30/2025	13:33	LB134493
	Thallium	5120	5000	102	90 - 110	P	01/30/2025	13:33	LB134493
	Vanadium	2360	2500	94	90 - 110	P	01/30/2025	13:33	LB134493
	Zinc	2450	2500	98	90 - 110	P	01/30/2025	13:33	LB134493
CCV03	Aluminum	9650	10000	96	90 - 110	P	01/30/2025	14:34	LB134493
	Antimony	4780	5000	96	90 - 110	P	01/30/2025	14:34	LB134493
	Arsenic	4880	5000	98	90 - 110	P	01/30/2025	14:34	LB134493
	Barium	9430	10000	94	90 - 110	P	01/30/2025	14:34	LB134493
	Beryllium	231	250	92	90 - 110	P	01/30/2025	14:34	LB134493
	Cadmium	2490	2500	100	90 - 110	P	01/30/2025	14:34	LB134493
	Calcium	23500	25000	94	90 - 110	P	01/30/2025	14:34	LB134493
	Chromium	985	1000	98	90 - 110	P	01/30/2025	14:34	LB134493
	Cobalt	2440	2500	98	90 - 110	P	01/30/2025	14:34	LB134493
	Copper	1200	1250	96	90 - 110	P	01/30/2025	14:34	LB134493
	Iron	4870	5000	97	90 - 110	P	01/30/2025	14:34	LB134493
	Lead	4910	5000	98	90 - 110	P	01/30/2025	14:34	LB134493
	Magnesium	23400	25000	94	90 - 110	P	01/30/2025	14:34	LB134493
	Manganese	2300	2500	92	90 - 110	P	01/30/2025	14:34	LB134493
	Nickel	2450	2500	98	90 - 110	P	01/30/2025	14:34	LB134493
	Potassium	24900	25000	100	90 - 110	P	01/30/2025	14:34	LB134493
	Selenium	5010	5000	100	90 - 110	P	01/30/2025	14:34	LB134493
	Silver	1210	1250	97	90 - 110	P	01/30/2025	14:34	LB134493
	Sodium	25200	25000	101	90 - 110	P	01/30/2025	14:34	LB134493
	Thallium	5070	5000	102	90 - 110	P	01/30/2025	14:34	LB134493
	Vanadium	2380	2500	95	90 - 110	P	01/30/2025	14:34	LB134493
	Zinc	2450	2500	98	90 - 110	P	01/30/2025	14:34	LB134493
CCV04	Aluminum	9670	10000	97	90 - 110	P	01/30/2025	15:25	LB134493
	Antimony	4980	5000	100	90 - 110	P	01/30/2025	15:25	LB134493

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4890	5000	98	90 - 110	P	01/30/2025	15:25	LB134493
	Barium	9350	10000	94	90 - 110	P	01/30/2025	15:25	LB134493
	Beryllium	231	250	92	90 - 110	P	01/30/2025	15:25	LB134493
	Cadmium	2370	2500	95	90 - 110	P	01/30/2025	15:25	LB134493
	Calcium	23400	25000	94	90 - 110	P	01/30/2025	15:25	LB134493
	Chromium	1000	1000	100	90 - 110	P	01/30/2025	15:25	LB134493
	Cobalt	2370	2500	95	90 - 110	P	01/30/2025	15:25	LB134493
	Copper	1230	1250	98	90 - 110	P	01/30/2025	15:25	LB134493
	Iron	4940	5000	99	90 - 110	P	01/30/2025	15:25	LB134493
	Lead	4750	5000	95	90 - 110	P	01/30/2025	15:25	LB134493
	Magnesium	23400	25000	94	90 - 110	P	01/30/2025	15:25	LB134493
	Manganese	2280	2500	91	90 - 110	P	01/30/2025	15:25	LB134493
	Nickel	2380	2500	95	90 - 110	P	01/30/2025	15:25	LB134493
	Potassium	25200	25000	101	90 - 110	P	01/30/2025	15:25	LB134493
	Selenium	4950	5000	99	90 - 110	P	01/30/2025	15:25	LB134493
	Silver	1220	1250	98	90 - 110	P	01/30/2025	15:25	LB134493
	Sodium	25700	25000	103	90 - 110	P	01/30/2025	15:25	LB134493
	Thallium	5090	5000	102	90 - 110	P	01/30/2025	15:25	LB134493
	Vanadium	2390	2500	95	90 - 110	P	01/30/2025	15:25	LB134493
	Zinc	2480	2500	99	90 - 110	P	01/30/2025	15:25	LB134493
CCV05	Aluminum	9750	10000	98	90 - 110	P	01/30/2025	16:24	LB134493
	Antimony	4910	5000	98	90 - 110	P	01/30/2025	16:24	LB134493
	Arsenic	4830	5000	97	90 - 110	P	01/30/2025	16:24	LB134493
	Barium	9330	10000	93	90 - 110	P	01/30/2025	16:24	LB134493
	Beryllium	234	250	94	90 - 110	P	01/30/2025	16:24	LB134493
	Cadmium	2370	2500	95	90 - 110	P	01/30/2025	16:24	LB134493
	Calcium	23700	25000	95	90 - 110	P	01/30/2025	16:24	LB134493
	Chromium	991	1000	99	90 - 110	P	01/30/2025	16:24	LB134493
	Cobalt	2370	2500	95	90 - 110	P	01/30/2025	16:24	LB134493
	Copper	1220	1250	98	90 - 110	P	01/30/2025	16:24	LB134493
	Iron	4830	5000	96	90 - 110	P	01/30/2025	16:24	LB134493
	Lead	4740	5000	95	90 - 110	P	01/30/2025	16:24	LB134493
	Magnesium	23700	25000	95	90 - 110	P	01/30/2025	16:24	LB134493
	Manganese	2310	2500	92	90 - 110	P	01/30/2025	16:24	LB134493

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2370	2500	95	90 - 110	P	01/30/2025	16:24	LB134493
	Potassium	24500	25000	98	90 - 110	P	01/30/2025	16:24	LB134493
	Selenium	4860	5000	97	90 - 110	P	01/30/2025	16:24	LB134493
	Silver	1210	1250	97	90 - 110	P	01/30/2025	16:24	LB134493
	Sodium	24900	25000	100	90 - 110	P	01/30/2025	16:24	LB134493
	Thallium	4980	5000	100	90 - 110	P	01/30/2025	16:24	LB134493
	Vanadium	2410	2500	96	90 - 110	P	01/30/2025	16:24	LB134493
	Zinc	2450	2500	98	90 - 110	P	01/30/2025	16:24	LB134493
CCV06	Aluminum	9690	10000	97	90 - 110	P	01/30/2025	17:19	LB134493
	Antimony	5050	5000	101	90 - 110	P	01/30/2025	17:19	LB134493
	Arsenic	4970	5000	99	90 - 110	P	01/30/2025	17:19	LB134493
	Barium	9260	10000	93	90 - 110	P	01/30/2025	17:19	LB134493
	Beryllium	235	250	94	90 - 110	P	01/30/2025	17:19	LB134493
	Cadmium	2440	2500	98	90 - 110	P	01/30/2025	17:19	LB134493
	Calcium	23500	25000	94	90 - 110	P	01/30/2025	17:19	LB134493
	Chromium	1010	1000	101	90 - 110	P	01/30/2025	17:19	LB134493
	Cobalt	2440	2500	98	90 - 110	P	01/30/2025	17:19	LB134493
	Copper	1260	1250	100	90 - 110	P	01/30/2025	17:19	LB134493
	Iron	4800	5000	96	90 - 110	P	01/30/2025	17:19	LB134493
	Lead	4880	5000	98	90 - 110	P	01/30/2025	17:19	LB134493
	Magnesium	23700	25000	95	90 - 110	P	01/30/2025	17:19	LB134493
	Manganese	2290	2500	92	90 - 110	P	01/30/2025	17:19	LB134493
	Nickel	2440	2500	98	90 - 110	P	01/30/2025	17:19	LB134493
	Potassium	24300	25000	97	90 - 110	P	01/30/2025	17:19	LB134493
	Selenium	4970	5000	100	90 - 110	P	01/30/2025	17:19	LB134493
	Silver	1230	1250	99	90 - 110	P	01/30/2025	17:19	LB134493
	Sodium	24900	25000	100	90 - 110	P	01/30/2025	17:19	LB134493
	Thallium	5010	5000	100	90 - 110	P	01/30/2025	17:19	LB134493
	Vanadium	2380	2500	95	90 - 110	P	01/30/2025	17:19	LB134493
	Zinc	2470	2500	99	90 - 110	P	01/30/2025	17:19	LB134493
CCV07	Aluminum	9880	10000	99	90 - 110	P	01/30/2025	18:11	LB134493
	Antimony	5060	5000	101	90 - 110	P	01/30/2025	18:11	LB134493
	Arsenic	4970	5000	99	90 - 110	P	01/30/2025	18:11	LB134493
	Barium	9620	10000	96	90 - 110	P	01/30/2025	18:11	LB134493

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	237	250	95	90 - 110	P	01/30/2025	18:11	LB134493
	Cadmium	2440	2500	98	90 - 110	P	01/30/2025	18:11	LB134493
	Calcium	24100	25000	96	90 - 110	P	01/30/2025	18:11	LB134493
	Chromium	1020	1000	102	90 - 110	P	01/30/2025	18:11	LB134493
	Cobalt	2450	2500	98	90 - 110	P	01/30/2025	18:11	LB134493
	Copper	1250	1250	100	90 - 110	P	01/30/2025	18:11	LB134493
	Iron	5050	5000	101	90 - 110	P	01/30/2025	18:11	LB134493
	Lead	4880	5000	98	90 - 110	P	01/30/2025	18:11	LB134493
	Magnesium	24100	25000	96	90 - 110	P	01/30/2025	18:11	LB134493
	Manganese	2360	2500	94	90 - 110	P	01/30/2025	18:11	LB134493
	Nickel	2450	2500	98	90 - 110	P	01/30/2025	18:11	LB134493
	Potassium	25700	25000	103	90 - 110	P	01/30/2025	18:11	LB134493
	Selenium	5000	5000	100	90 - 110	P	01/30/2025	18:11	LB134493
	Silver	1270	1250	101	90 - 110	P	01/30/2025	18:11	LB134493
	Sodium	26300	25000	105	90 - 110	P	01/30/2025	18:11	LB134493
	Thallium	5060	5000	101	90 - 110	P	01/30/2025	18:11	LB134493
	Vanadium	2450	2500	98	90 - 110	P	01/30/2025	18:11	LB134493
	Zinc	2520	2500	101	90 - 110	P	01/30/2025	18:11	LB134493
CCV08	Aluminum	9710	10000	97	90 - 110	P	01/30/2025	18:45	LB134493
	Antimony	5060	5000	101	90 - 110	P	01/30/2025	18:45	LB134493
	Arsenic	5000	5000	100	90 - 110	P	01/30/2025	18:45	LB134493
	Barium	9470	10000	95	90 - 110	P	01/30/2025	18:45	LB134493
	Beryllium	234	250	94	90 - 110	P	01/30/2025	18:45	LB134493
	Cadmium	2430	2500	97	90 - 110	P	01/30/2025	18:45	LB134493
	Calcium	23600	25000	95	90 - 110	P	01/30/2025	18:45	LB134493
	Chromium	1010	1000	101	90 - 110	P	01/30/2025	18:45	LB134493
	Cobalt	2430	2500	97	90 - 110	P	01/30/2025	18:45	LB134493
	Copper	1250	1250	100	90 - 110	P	01/30/2025	18:45	LB134493
	Iron	4940	5000	99	90 - 110	P	01/30/2025	18:45	LB134493
	Lead	4860	5000	97	90 - 110	P	01/30/2025	18:45	LB134493
	Magnesium	23700	25000	95	90 - 110	P	01/30/2025	18:45	LB134493
	Manganese	2310	2500	92	90 - 110	P	01/30/2025	18:45	LB134493
	Nickel	2430	2500	97	90 - 110	P	01/30/2025	18:45	LB134493
	Potassium	25100	25000	100	90 - 110	P	01/30/2025	18:45	LB134493

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	5030	5000	101	90 - 110	P	01/30/2025	18:45	LB134493
	Silver	1250	1250	100	90 - 110	P	01/30/2025	18:45	LB134493
	Sodium	25600	25000	102	90 - 110	P	01/30/2025	18:45	LB134493
	Thallium	5060	5000	101	90 - 110	P	01/30/2025	18:45	LB134493
	Vanadium	2410	2500	96	90 - 110	P	01/30/2025	18:45	LB134493
	Zinc	2450	2500	98	90 - 110	P	01/30/2025	18:45	LB134493

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.25	0.2	127	40 - 160	CV	01/27/2025	17:51	LB134437
CRI01	Aluminum	95.1	100	95	40 - 160	P	01/28/2025	12:26	LB134457
	Antimony	50.3	50.0	101	40 - 160	P	01/28/2025	12:26	LB134457
	Arsenic	21.0	20.0	105	40 - 160	P	01/28/2025	12:26	LB134457
	Barium	85.5	100	86	40 - 160	P	01/28/2025	12:26	LB134457
	Beryllium	5.75	6.0	96	40 - 160	P	01/28/2025	12:26	LB134457
	Cadmium	5.73	6.0	95	40 - 160	P	01/28/2025	12:26	LB134457
	Calcium	1840	2000	92	40 - 160	P	01/28/2025	12:26	LB134457
	Chromium	9.95	10.0	100	40 - 160	P	01/28/2025	12:26	LB134457
	Cobalt	28.5	30.0	95	40 - 160	P	01/28/2025	12:26	LB134457
	Copper	21.5	20.0	108	40 - 160	P	01/28/2025	12:26	LB134457
	Iron	82.2	100	82	40 - 160	P	01/28/2025	12:26	LB134457
	Lead	12.2	12.0	102	40 - 160	P	01/28/2025	12:26	LB134457
	Magnesium	1920	2000	96	40 - 160	P	01/28/2025	12:26	LB134457
	Manganese	19.6	20.0	98	40 - 160	P	01/28/2025	12:26	LB134457
	Nickel	38.4	40.0	96	40 - 160	P	01/28/2025	12:26	LB134457
	Potassium	1790	2000	90	40 - 160	P	01/28/2025	12:26	LB134457
	Selenium	19.9	20.0	99	40 - 160	P	01/28/2025	12:26	LB134457
	Silver	10.8	10.0	108	40 - 160	P	01/28/2025	12:26	LB134457
	Sodium	1620	2000	81	40 - 160	P	01/28/2025	12:26	LB134457
	Thallium	41.3	40.0	103	40 - 160	P	01/28/2025	12:26	LB134457
	Vanadium	36.1	40.0	90	40 - 160	P	01/28/2025	12:26	LB134457
	Zinc	39.9	40.0	100	40 - 160	P	01/28/2025	12:26	LB134457
CRA	Mercury	0.19	0.2	97	40 - 160	CV	01/28/2025	12:49	LB134454
CRI01	Aluminum	94.8	100	95	40 - 160	P	01/29/2025	11:41	LB134477
	Antimony	49.1	50.0	98	40 - 160	P	01/29/2025	11:41	LB134477
	Arsenic	23.4	20.0	117	40 - 160	P	01/29/2025	11:41	LB134477
	Barium	86.2	100	86	40 - 160	P	01/29/2025	11:41	LB134477
	Beryllium	5.72	6.0	95	40 - 160	P	01/29/2025	11:41	LB134477
	Cadmium	5.68	6.0	95	40 - 160	P	01/29/2025	11:41	LB134477
	Calcium	1880	2000	94	40 - 160	P	01/29/2025	11:41	LB134477
	Chromium	9.46	10.0	95	40 - 160	P	01/29/2025	11:41	LB134477
	Cobalt	28.2	30.0	94	40 - 160	P	01/29/2025	11:41	LB134477
	Copper	21.2	20.0	106	40 - 160	P	01/29/2025	11:41	LB134477
	Iron	83.8	100	84	40 - 160	P	01/29/2025	11:41	LB134477

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Lead	10.4	12.0	87	40 - 160	P	01/29/2025	11:41	LB134477
	Magnesium	1990	2000	100	40 - 160	P	01/29/2025	11:41	LB134477
	Manganese	18.6	20.0	93	40 - 160	P	01/29/2025	11:41	LB134477
	Nickel	37.7	40.0	94	40 - 160	P	01/29/2025	11:41	LB134477
	Potassium	1920	2000	96	40 - 160	P	01/29/2025	11:41	LB134477
	Selenium	18.9	20.0	95	40 - 160	P	01/29/2025	11:41	LB134477
	Silver	10.3	10.0	103	40 - 160	P	01/29/2025	11:41	LB134477
	Sodium	1660	2000	83	40 - 160	P	01/29/2025	11:41	LB134477
	Thallium	38.8	40.0	97	40 - 160	P	01/29/2025	11:41	LB134477
	Vanadium	38.7	40.0	97	40 - 160	P	01/29/2025	11:41	LB134477
	Zinc	38.9	40.0	97	40 - 160	P	01/29/2025	11:41	LB134477
CRI01	Aluminum	84.9	100	85	40 - 160	P	01/30/2025	12:05	LB134493
	Antimony	47.1	50.0	94	40 - 160	P	01/30/2025	12:05	LB134493
	Arsenic	21.5	20.0	107	40 - 160	P	01/30/2025	12:05	LB134493
	Barium	90.1	100	90	40 - 160	P	01/30/2025	12:05	LB134493
	Beryllium	5.61	6.0	93	40 - 160	P	01/30/2025	12:05	LB134493
	Cadmium	5.56	6.0	93	40 - 160	P	01/30/2025	12:05	LB134493
	Calcium	1880	2000	94	40 - 160	P	01/30/2025	12:05	LB134493
	Chromium	9.97	10.0	100	40 - 160	P	01/30/2025	12:05	LB134493
	Cobalt	28.5	30.0	95	40 - 160	P	01/30/2025	12:05	LB134493
	Copper	21.8	20.0	109	40 - 160	P	01/30/2025	12:05	LB134493
	Iron	81.5	100	82	40 - 160	P	01/30/2025	12:05	LB134493
	Lead	10.9	12.0	91	40 - 160	P	01/30/2025	12:05	LB134493
	Magnesium	2010	2000	101	40 - 160	P	01/30/2025	12:05	LB134493
	Manganese	18.2	20.0	91	40 - 160	P	01/30/2025	12:05	LB134493
	Nickel	38.1	40.0	95	40 - 160	P	01/30/2025	12:05	LB134493
	Potassium	2030	2000	101	40 - 160	P	01/30/2025	12:05	LB134493
	Selenium	18.4	20.0	92	40 - 160	P	01/30/2025	12:05	LB134493
	Silver	11.1	10.0	111	40 - 160	P	01/30/2025	12:05	LB134493
	Sodium	2020	2000	101	40 - 160	P	01/30/2025	12:05	LB134493
	Thallium	40.0	40.0	100	40 - 160	P	01/30/2025	12:05	LB134493
	Vanadium	34.7	40.0	87	40 - 160	P	01/30/2025	12:05	LB134493
	Zinc	39.3	40.0	98	40 - 160	P	01/30/2025	12:05	LB134493

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	244000	255000	96	216000	294000	01/28/2025	12:30	LB134457
	Antimony	-3.33			-50	50	01/28/2025	12:30	LB134457
	Arsenic	4.75			-20	20	01/28/2025	12:30	LB134457
	Barium	4.88	6.0	81	-94	106	01/28/2025	12:30	LB134457
	Beryllium	1.29			-6	6	01/28/2025	12:30	LB134457
	Cadmium	2.52	1.0	252	-5	7	01/28/2025	12:30	LB134457
	Calcium	227000	245000	93	208000	282000	01/28/2025	12:30	LB134457
	Chromium	59.2	52.0	114	42	62	01/28/2025	12:30	LB134457
	Cobalt	1.79			-30	30	01/28/2025	12:30	LB134457
	Copper	21.1	2.0	1055	-18	22	01/28/2025	12:30	LB134457
	Iron	99800	101000	99	85600	116500	01/28/2025	12:30	LB134457
	Lead	6.31			-12	12	01/28/2025	12:30	LB134457
	Magnesium	245000	255000	96	216000	294000	01/28/2025	12:30	LB134457
	Manganese	11.6	7.0	166	-13	27	01/28/2025	12:30	LB134457
	Nickel	2.25	2.0	112	-38	42	01/28/2025	12:30	LB134457
	Potassium	254			0	0	01/28/2025	12:30	LB134457
	Selenium	-5.55			-20	20	01/28/2025	12:30	LB134457
	Silver	-0.39			-10	10	01/28/2025	12:30	LB134457
	Sodium	22.0			0	0	01/28/2025	12:30	LB134457
	Thallium	10.9			-40	40	01/28/2025	12:30	LB134457
	Vanadium	5.11			-40	40	01/28/2025	12:30	LB134457
	Zinc	3.26			-40	40	01/28/2025	12:30	LB134457
ICSAB01	Aluminum	244000	247000	99	209000	285000	01/28/2025	12:34	LB134457
	Antimony	630	618	102	525	711	01/28/2025	12:34	LB134457
	Arsenic	107	104	103	88.4	120	01/28/2025	12:34	LB134457
	Barium	456	537	85	437	637	01/28/2025	12:34	LB134457
	Beryllium	471	495	95	420	570	01/28/2025	12:34	LB134457
	Cadmium	1010	972	104	826	1120	01/28/2025	12:34	LB134457
	Calcium	225000	235000	96	199000	271000	01/28/2025	12:34	LB134457
	Chromium	580	542	107	460	624	01/28/2025	12:34	LB134457
	Cobalt	505	476	106	404	548	01/28/2025	12:34	LB134457
	Copper	512	511	100	434	588	01/28/2025	12:34	LB134457
	Iron	100000	99300	101	84400	114500	01/28/2025	12:34	LB134457
	Lead	58.0	49.0	118	37	61	01/28/2025	12:34	LB134457
	Magnesium	242000	248000	98	210000	286000	01/28/2025	12:34	LB134457
	Manganese	482	507	95	430	584	01/28/2025	12:34	LB134457
	Nickel	1010	954	106	810	1100	01/28/2025	12:34	LB134457
	Potassium	213			0	0	01/28/2025	12:34	LB134457
	Selenium	48.8	46.0	106	26	66	01/28/2025	12:34	LB134457
	Silver	220	201	110	170	232	01/28/2025	12:34	LB134457
	Sodium	19.6			0	0	01/28/2025	12:34	LB134457
	Thallium	97.0	108	90	68	148	01/28/2025	12:34	LB134457

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	464	491	94	417	565	01/28/2025	12:34	LB134457
	Zinc	1080	952	113	809	1095	01/28/2025	12:34	LB134457
ICSA01	Aluminum	244000	255000	96	216000	294000	01/29/2025	11:45	LB134477
	Antimony	-3.29			-50	50	01/29/2025	11:45	LB134477
	Arsenic	9.90			-20	20	01/29/2025	11:45	LB134477
	Barium	3.17	6.0	53	-94	106	01/29/2025	11:45	LB134477
	Beryllium	3.06			-6	6	01/29/2025	11:45	LB134477
	Cadmium	0.95	1.0	95	-5	7	01/29/2025	11:45	LB134477
	Calcium	227000	245000	93	208000	282000	01/29/2025	11:45	LB134477
	Chromium	58.0	52.0	112	42	62	01/29/2025	11:45	LB134477
	Cobalt	1.92			-30	30	01/29/2025	11:45	LB134477
	Copper	19.4	2.0	970	-18	22	01/29/2025	11:45	LB134477
	Iron	97600	101000	97	85600	116500	01/29/2025	11:45	LB134477
	Lead	7.59			-12	12	01/29/2025	11:45	LB134477
	Magnesium	249000	255000	98	216000	294000	01/29/2025	11:45	LB134477
	Manganese	10.0	7.0	143	-13	27	01/29/2025	11:45	LB134477
	Nickel	2.47	2.0	124	-38	42	01/29/2025	11:45	LB134477
	Potassium	255			0	0	01/29/2025	11:45	LB134477
	Selenium	-3.38			-20	20	01/29/2025	11:45	LB134477
	Silver	-1.73			-10	10	01/29/2025	11:45	LB134477
	Sodium	-59.3			0	0	01/29/2025	11:45	LB134477
	Thallium	13.6			-40	40	01/29/2025	11:45	LB134477
	Vanadium	3.58			-40	40	01/29/2025	11:45	LB134477
	Zinc	0.93			-40	40	01/29/2025	11:45	LB134477
ICSAB01	Aluminum	238000	247000	96	209000	285000	01/29/2025	12:02	LB134477
	Antimony	588	618	95	525	711	01/29/2025	12:02	LB134477
	Arsenic	110	104	106	88.4	120	01/29/2025	12:02	LB134477
	Barium	552	537	103	437	637	01/29/2025	12:02	LB134477
	Beryllium	482	495	97	420	570	01/29/2025	12:02	LB134477
	Cadmium	969	972	100	826	1120	01/29/2025	12:02	LB134477
	Calcium	220000	235000	94	199000	271000	01/29/2025	12:02	LB134477
	Chromium	557	542	103	460	624	01/29/2025	12:02	LB134477
	Cobalt	486	476	102	404	548	01/29/2025	12:02	LB134477
	Copper	496	511	97	434	588	01/29/2025	12:02	LB134477
	Iron	93300	99300	94	84400	114500	01/29/2025	12:02	LB134477
	Lead	54.6	49.0	111	37	61	01/29/2025	12:02	LB134477
	Magnesium	240000	248000	97	210000	286000	01/29/2025	12:02	LB134477
	Manganese	443	507	87	430	584	01/29/2025	12:02	LB134477
	Nickel	964	954	101	810	1100	01/29/2025	12:02	LB134477
	Potassium	331			0	0	01/29/2025	12:02	LB134477
	Selenium	43.0	46.0	94	26	66	01/29/2025	12:02	LB134477
	Silver	209	201	104	170	232	01/29/2025	12:02	LB134477

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Sodium	-24.7			0	0	01/29/2025	12:02	LB134477
	Thallium	94.3	108	87	68	148	01/29/2025	12:02	LB134477
	Vanadium	452	491	92	417	565	01/29/2025	12:02	LB134477
	Zinc	1020	952	107	809	1095	01/29/2025	12:02	LB134477
ICSA01	Aluminum	235000	255000	92	216000	294000	01/30/2025	12:10	LB134493
	Antimony	-3.14			-50	50	01/30/2025	12:10	LB134493
	Arsenic	-3.20			-20	20	01/30/2025	12:10	LB134493
	Barium	1.95	6.0	32	-94	106	01/30/2025	12:10	LB134493
	Beryllium	1.36			-6	6	01/30/2025	12:10	LB134493
	Cadmium	-0.88	1.0	88	-5	7	01/30/2025	12:10	LB134493
	Calcium	218000	245000	89	208000	282000	01/30/2025	12:10	LB134493
	Chromium	56.0	52.0	108	42	62	01/30/2025	12:10	LB134493
	Cobalt	0.92			-30	30	01/30/2025	12:10	LB134493
	Copper	21.7	2.0	1085	-18	22	01/30/2025	12:10	LB134493
	Iron	92700	101000	92	85600	116500	01/30/2025	12:10	LB134493
	Lead	6.67			-12	12	01/30/2025	12:10	LB134493
	Magnesium	234000	255000	92	216000	294000	01/30/2025	12:10	LB134493
	Manganese	3.50	7.0	50	-13	27	01/30/2025	12:10	LB134493
	Nickel	2.07	2.0	104	-38	42	01/30/2025	12:10	LB134493
	Potassium	133			0	0	01/30/2025	12:10	LB134493
	Selenium	-14.4			-20	20	01/30/2025	12:10	LB134493
	Silver	-0.54			-10	10	01/30/2025	12:10	LB134493
	Sodium	23.8			0	0	01/30/2025	12:10	LB134493
	Thallium	11.1			-40	40	01/30/2025	12:10	LB134493
	Vanadium	5.11			-40	40	01/30/2025	12:10	LB134493
	Zinc	1.05			-40	40	01/30/2025	12:10	LB134493
ICSAB01	Aluminum	243000	247000	98	209000	285000	01/30/2025	12:28	LB134493
	Antimony	644	618	104	525	711	01/30/2025	12:28	LB134493
	Arsenic	118	104	114	88.4	120	01/30/2025	12:28	LB134493
	Barium	456	537	85	437	637	01/30/2025	12:28	LB134493
	Beryllium	475	495	96	420	570	01/30/2025	12:28	LB134493
	Cadmium	1020	972	105	826	1120	01/30/2025	12:28	LB134493
	Calcium	224000	235000	95	199000	271000	01/30/2025	12:28	LB134493
	Chromium	583	542	108	460	624	01/30/2025	12:28	LB134493
	Cobalt	514	476	108	404	548	01/30/2025	12:28	LB134493
	Copper	526	511	103	434	588	01/30/2025	12:28	LB134493
	Iron	99900	99300	101	84400	114500	01/30/2025	12:28	LB134493
	Lead	57.1	49.0	116	37	61	01/30/2025	12:28	LB134493
	Magnesium	241000	248000	97	210000	286000	01/30/2025	12:28	LB134493
	Manganese	448	507	88	430	584	01/30/2025	12:28	LB134493
	Nickel	1020	954	107	810	1100	01/30/2025	12:28	LB134493
	Potassium	109			0	0	01/30/2025	12:28	LB134493

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Selenium	36.8	46.0	80	26	66	01/30/2025	12:28	LB134493
	Silver	222	201	110	170	232	01/30/2025	12:28	LB134493
	Sodium	7.13			0	0	01/30/2025	12:28	LB134493
	Thallium	104	108	96	68	148	01/30/2025	12:28	LB134493
	Vanadium	463	491	94	417	565	01/30/2025	12:28	LB134493
	Zinc	1080	952	113	809	1095	01/30/2025	12:28	LB134493

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1194

contract: PORT06 **lab code:** CHEM **case no.:** Q1194 **sas no.:** Q1194

matrix: Solid **sample id:** Q1169-05 **client id:** SPILL-SITEMS

Percent Solids for Sample: 89.7 **Spiked ID:** Q1169-05MS **Percent Solids for Spike Sample:** 89.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.31		0.049		0.28	92		CV

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1194

contract: PORT06 **lab code:** CHEM **case no.:** Q1194 **sas no.:** Q1194

matrix: Solid **sample id:** Q1169-05 **client id:** SPILL-SITEMSD

Percent Solids for Sample: 89.7 **Spiked ID:** Q1169-05MSD **Percent Solids for Spike Sample:** 89.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.32		0.049		0.29	94		CV

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1194

contract: PORT06 **lab code:** CHEM **case no.:** Q1194 **sas no.:** Q1194

matrix: Water **sample id:** Q1193-01 **client id:** TAPIAL3-MW04S-012425-00-T3MS

Percent Solids for Sample: NA **Spiked ID:** Q1193-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	4.52		0.20	U	4.0	113		CV

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1194

contract: PORT06 **lab code:** CHEM **case no.:** Q1194 **sas no.:** Q1194

matrix: Water **sample id:** Q1193-01 **client id:** TAPIAL3-MW04S-012425-00-T3MSD

Percent Solids for Sample: NA **Spiked ID:** Q1193-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	4.53		0.20	U	4.0	113		CV

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1194

contract: PORT06 **lab code:** CHEM **case no.:** Q1194 **sas no.:** Q1194

matrix: Solid **sample id:** Q1194-04 **client id:** B-113-SB02MS

Percent Solids for Sample: 64.7 **Spiked ID:** Q1194-04MS **Percent Solids for Spike Sample:** 64.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	10800		10400		150	332		P
Antimony	mg/Kg	75 - 125	43.6		3.51	U	58.1	75		P
Arsenic	mg/Kg	75 - 125	52.7		7.87		58.1	77		P
Barium	mg/Kg	75 - 125	40.0		28.3		14.5	81		P
Beryllium	mg/Kg	75 - 125	10.8		0.89		14.5	68	N	P
Cadmium	mg/Kg	75 - 125	13.9		0.40	J	14.5	93		P
Calcium	mg/Kg	75 - 125	1630		1530		72.6	145		P
Chromium	mg/Kg	75 - 125	46.2		24.2		29.0	76		P
Cobalt	mg/Kg	75 - 125	26.7		12.7		14.5	97		P
Copper	mg/Kg	75 - 125	33.2		16.0		21.8	79		P
Iron	mg/Kg	75 - 125	27000		27100		220	-56		P
Lead	mg/Kg	75 - 125	80.8		14.3		72.6	91		P
Magnesium	mg/Kg	75 - 125	5320		5000		150	213		P
Manganese	mg/Kg	75 - 125	355		330		14.5	173		P
Nickel	mg/Kg	75 - 125	60.7		26.3		36.3	95		P
Potassium	mg/Kg	75 - 125	2520		1980		730	74	N	P
Selenium	mg/Kg	75 - 125	103		1.41	U	150	69	N	P
Silver	mg/Kg	75 - 125	4.21		0.15	J	5.4	75		P
Sodium	mg/Kg	75 - 125	1100		940		220	71		P
Thallium	mg/Kg	75 - 125	134		0.64	J	150	89		P
Vanadium	mg/Kg	75 - 125	42.9		26.2		21.8	76		P
Zinc	mg/Kg	75 - 125	73.6		62.0		14.5	80		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1194

contract: PORT06 **lab code:** CHEM **case no.:** Q1194 **sas no.:** Q1194

matrix: Solid **sample id:** Q1194-04 **client id:** B-113-SB02MSD

Percent Solids for Sample: 64.7 **Spiked ID:** Q1194-04MSD **Percent Solids for Spike Sample:** 64.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	9650		10400		130	-543		P
Antimony	mg/Kg	75 - 125	39.0		3.51	U	51.1	76		P
Arsenic	mg/Kg	75 - 125	47.4		7.87		51.1	77		P
Barium	mg/Kg	75 - 125	35.3		28.3		12.8	54	N	P
Beryllium	mg/Kg	75 - 125	9.46		0.89		12.8	67	N	P
Cadmium	mg/Kg	75 - 125	12.4		0.40	J	12.8	94		P
Calcium	mg/Kg	75 - 125	1450		1530		63.9	-123		P
Chromium	mg/Kg	75 - 125	41.3		24.2		25.5	67	N	P
Cobalt	mg/Kg	75 - 125	23.9		12.7		12.8	87		P
Copper	mg/Kg	75 - 125	29.1		16.0		19.2	68	N	P
Iron	mg/Kg	75 - 125	24500		27100		190	-1359		P
Lead	mg/Kg	75 - 125	72.4		14.3		63.9	91		P
Magnesium	mg/Kg	75 - 125	4700		5000		130	-228		P
Manganese	mg/Kg	75 - 125	313		330		12.8	-138		P
Nickel	mg/Kg	75 - 125	54.3		26.3		31.9	88		P
Potassium	mg/Kg	75 - 125	2290		1980		640	49	N	P
Selenium	mg/Kg	75 - 125	93.6		1.41	U	130	72	N	P
Silver	mg/Kg	75 - 125	3.85		0.15	J	4.8	77		P
Sodium	mg/Kg	75 - 125	998		940		190	30		P
Thallium	mg/Kg	75 - 125	121		0.64	J	130	92		P
Vanadium	mg/Kg	75 - 125	37.8		26.2		19.2	61	N	P
Zinc	mg/Kg	75 - 125	65.8		62.0		12.8	30		P

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1194

contract: PORT06 **lab code:** CHEM **case no.:** Q1194 **sas no.:** Q1194

matrix: Water **sample id:** Q1194-08 **client id:** EBMS

Percent Solids for Sample: NA **Spiked ID:** Q1194-08MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	977		50.0	U	1000	98		P
Antimony	ug/L	75 - 125	396		25.0	U	400	99		P
Arsenic	ug/L	75 - 125	387		10.0	U	400	97		P
Barium	ug/L	75 - 125	90.8		50.0	U	100	91		P
Beryllium	ug/L	75 - 125	88.4		3.00	U	100	88		P
Cadmium	ug/L	75 - 125	91.5		3.00	U	100	92		P
Calcium	ug/L	75 - 125	488	J	1000	U	500	98		P
Chromium	ug/L	75 - 125	211		5.00	U	200	106		P
Cobalt	ug/L	75 - 125	95.3		15.0	U	100	95		P
Copper	ug/L	75 - 125	154		10.0	U	150	103		P
Iron	ug/L	75 - 125	1470		50.0	U	1500	98		P
Lead	ug/L	75 - 125	463		6.00	U	500	93		P
Magnesium	ug/L	75 - 125	919	J	1000	U	1000	92		P
Manganese	ug/L	75 - 125	92.2		21.3		100	71	N	P
Nickel	ug/L	75 - 125	238		20.0	U	250	95		P
Potassium	ug/L	75 - 125	4680		1000	U	5000	94		P
Selenium	ug/L	75 - 125	916		10.0	U	1000	92		P
Silver	ug/L	75 - 125	36.4		0.72	J	37.5	95		P
Sodium	ug/L	75 - 125	1320		1000	U	1500	88		P
Thallium	ug/L	75 - 125	922		20.0	U	1000	92		P
Vanadium	ug/L	75 - 125	145		20.0	U	150	97		P
Zinc	ug/L	75 - 125	102		20.0	U	100	102		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1194

contract: PORT06 **lab code:** CHEM **case no.:** Q1194 **sas no.:** Q1194

matrix: Water **sample id:** Q1194-08 **client id:** EBMSD

Percent Solids for Sample: NA **Spiked ID:** Q1194-08MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	980		50.0	U	1000	98		P
Antimony	ug/L	75 - 125	400		25.0	U	400	100		P
Arsenic	ug/L	75 - 125	389		10.0	U	400	97		P
Barium	ug/L	75 - 125	93.8		50.0	U	100	94		P
Beryllium	ug/L	75 - 125	87.2		3.00	U	100	87		P
Cadmium	ug/L	75 - 125	91.6		3.00	U	100	92		P
Calcium	ug/L	75 - 125	493	J	1000	U	500	99		P
Chromium	ug/L	75 - 125	210		5.00	U	200	105		P
Cobalt	ug/L	75 - 125	95.0		15.0	U	100	95		P
Copper	ug/L	75 - 125	155		10.0	U	150	103		P
Iron	ug/L	75 - 125	1500		50.0	U	1500	100		P
Lead	ug/L	75 - 125	465		6.00	U	500	93		P
Magnesium	ug/L	75 - 125	924	J	1000	U	1000	92		P
Manganese	ug/L	75 - 125	94.4		21.3		100	73	N	P
Nickel	ug/L	75 - 125	239		20.0	U	250	96		P
Potassium	ug/L	75 - 125	4900		1000	U	5000	98		P
Selenium	ug/L	75 - 125	924		10.0	U	1000	92		P
Silver	ug/L	75 - 125	36.3		0.72	J	37.5	95		P
Sodium	ug/L	75 - 125	1420		1000	U	1500	95		P
Thallium	ug/L	75 - 125	931		20.0	U	1000	93		P
Vanadium	ug/L	75 - 125	146		20.0	U	150	97		P
Zinc	ug/L	75 - 125	102		20.0	U	100	102		P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Matrix: Solid **Level:** LOW **Client ID:** B-113-SB02A

Sample ID: Q1194-04 **Spiked ID:** Q1194-04A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	mg/Kg	75 - 125	38.3		28.3		14.1	71		P
Beryllium	mg/Kg	75 - 125	10.5		0.89		14.1	68		P
Chromium	mg/Kg	75 - 125	45.8		24.2		28.1	77		P
Copper	mg/Kg	75 - 125	32.8		16.0		21.1	80		P
Potassium	mg/Kg	75 - 125	2490		1980		700	72		P
Selenium	mg/Kg	75 - 125	104		1.41	U	140	74		P
Vanadium	mg/Kg	75 - 125	41.4		26.2		21.1	72		P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Matrix: Water **Level:** LOW **Client ID:** EBA

Sample ID: Q1194-08 **Spiked ID:** Q1194-08A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Manganese	ug/L	75 - 125	93.0		21.3		100	72		P

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Matrix: Solid **Sample ID:** Q1169-05 **Client ID:** SPILL-SITEDUP

Percent Solids for Sample: 89.7 **Duplicate ID** Q1169-05DUP **Percent Solids for Spike Sample:** 89.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.049		0.052		6		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Matrix: Solid **Sample ID:** Q1169-05MS **Client ID:** SPILL-SITEMSD

Percent Solids for Sample: 89.7 **Duplicate ID** Q1169-05MSD **Percent Solids for Spike Sample:** 89.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.31		0.32		5		CV

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Matrix: Water **Sample ID:** Q1193-01 **Client ID:** TAPIAL3-MW04S-012425-00-T3DUP

Percent Solids for Sample: NA **Duplicate ID** Q1193-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Matrix: Water **Sample ID:** Q1193-01MS **Client ID:** TAPIAL3-MW04S-012425-00-T3MSD

Percent Solids for Sample: NA **Duplicate ID** Q1193-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	4.52		4.53		0		CV

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Matrix: Solid **Sample ID:** Q1194-04 **Client ID:** B-113-SB02DUP

Percent Solids for Sample: 64.7 **Duplicate ID** Q1194-04DUP **Percent Solids for Spike Sample:** 64.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	10400		9520		9		P
Antimony	mg/Kg	20	3.51	U	3.22	U			P
Arsenic	mg/Kg	20	7.87		7.34		7		P
Barium	mg/Kg	20	28.3		25.6		10		P
Beryllium	mg/Kg	20	0.89		0.84		7		P
Cadmium	mg/Kg	20	0.40	J	0.62		43	*	P
Calcium	mg/Kg	20	1530		1410		8		P
Chromium	mg/Kg	20	24.2		22.1		9		P
Cobalt	mg/Kg	20	12.7		12.1		5		P
Copper	mg/Kg	20	16.0		16.1		1		P
Iron	mg/Kg	20	27100		24400		10		P
Lead	mg/Kg	20	14.3		13.8		4		P
Magnesium	mg/Kg	20	5000		4590		9		P
Manganese	mg/Kg	20	330		300		10		P
Nickel	mg/Kg	20	26.3		24.9		5		P
Potassium	mg/Kg	20	1980		1760		12		P
Selenium	mg/Kg	20	1.41	U	1.29	U			P
Silver	mg/Kg	20	0.15	J	0.64	U	200.0		P
Sodium	mg/Kg	20	940		837		12		P
Thallium	mg/Kg	20	0.64	J	0.63	J	2		P
Vanadium	mg/Kg	20	26.2		23.9		9		P
Zinc	mg/Kg	20	62.0		56.5		9		P

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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Matrix: Solid **Sample ID:** Q1194-04MS **Client ID:** B-113-SB02MSD

Percent Solids for Sample: 64.7 **Duplicate ID** Q1194-04MSD **Percent Solids for Spike Sample:** 64.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	10800		9650		11		P
Antimony	mg/Kg	20	43.6		39.0		11		P
Arsenic	mg/Kg	20	52.7		47.4		11		P
Barium	mg/Kg	20	40.0		35.3		12		P
Beryllium	mg/Kg	20	10.8		9.46		13		P
Cadmium	mg/Kg	20	13.9		12.4		11		P
Calcium	mg/Kg	20	1630		1450		12		P
Chromium	mg/Kg	20	46.2		41.3		11		P
Cobalt	mg/Kg	20	26.7		23.9		11		P
Copper	mg/Kg	20	33.2		29.1		13		P
Iron	mg/Kg	20	27000		24500		10		P
Lead	mg/Kg	20	80.8		72.4		11		P
Magnesium	mg/Kg	20	5320		4700		12		P
Manganese	mg/Kg	20	355		313		13		P
Nickel	mg/Kg	20	60.7		54.3		11		P
Potassium	mg/Kg	20	2520		2290		10		P
Selenium	mg/Kg	20	103		93.6		10		P
Silver	mg/Kg	20	4.21		3.85		9		P
Sodium	mg/Kg	20	1100		998		10		P
Thallium	mg/Kg	20	134		121		10		P
Vanadium	mg/Kg	20	42.9		37.8		13		P
Zinc	mg/Kg	20	73.6		65.8		11		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Matrix: Water **Sample ID:** Q1194-08 **Client ID:** EBDUP

Percent Solids for Sample: NA **Duplicate ID** Q1194-08DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	50.0	U	50.0	U			P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	50.0	U	50.0	U			P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	1000	U	1000	U			P
Chromium	ug/L	20	5.00	U	5.00	U			P
Cobalt	ug/L	20	15.0	U	15.0	U			P
Copper	ug/L	20	10.0	U	10.0	U			P
Iron	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	6.00	U	6.00	U			P
Magnesium	ug/L	20	1000	U	1000	U			P
Manganese	ug/L	20	21.3		21.1		1		P
Nickel	ug/L	20	20.0	U	20.0	U			P
Potassium	ug/L	20	1000	U	1000	U			P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	0.72	J	0.70	J	3		P
Sodium	ug/L	20	1000	U	1000	U			P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	20.0	U	20.0	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Matrix: Water **Sample ID:** Q1194-08MS **Client ID:** EBMSD

Percent Solids for Sample: NA **Duplicate ID** Q1194-08MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	977		980		0		P
Antimony	ug/L	20	396		400		1		P
Arsenic	ug/L	20	387		389		1		P
Barium	ug/L	20	90.8		93.8		3		P
Beryllium	ug/L	20	88.4		87.2		1		P
Cadmium	ug/L	20	91.5		91.6		0		P
Calcium	ug/L	20	488	J	493	J	1		P
Chromium	ug/L	20	211		210		0		P
Cobalt	ug/L	20	95.3		95.0		0		P
Copper	ug/L	20	154		155		1		P
Iron	ug/L	20	1470		1500		2		P
Lead	ug/L	20	463		465		0		P
Magnesium	ug/L	20	919	J	924	J	1		P
Manganese	ug/L	20	92.2		94.4		2		P
Nickel	ug/L	20	238		239		0		P
Potassium	ug/L	20	4680		4900		5		P
Selenium	ug/L	20	916		924		1		P
Silver	ug/L	20	36.4		36.3		0		P
Sodium	ug/L	20	1320		1420		7		P
Thallium	ug/L	20	922		931		1		P
Vanadium	ug/L	20	145		146		1		P
Zinc	ug/L	20	102		102		0		P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166283BS							
Aluminum	ug/L	1000	909		91	80 - 120	P
Antimony	ug/L	400	380		95	80 - 120	P
Arsenic	ug/L	400	383		96	80 - 120	P
Barium	ug/L	100	84.8		85	80 - 120	P
Beryllium	ug/L	100	89.5		90	80 - 120	P
Cadmium	ug/L	100	91.4		91	80 - 120	P
Calcium	ug/L	500	457	J	91	80 - 120	P
Chromium	ug/L	200	197		98	80 - 120	P
Cobalt	ug/L	100	91.5		92	80 - 120	P
Copper	ug/L	150	149		99	80 - 120	P
Iron	ug/L	1500	1390		93	80 - 120	P
Lead	ug/L	500	468		94	80 - 120	P
Magnesium	ug/L	1000	871	J	87	80 - 120	P
Manganese	ug/L	100	86.3		86	80 - 120	P
Nickel	ug/L	250	232		93	80 - 120	P
Potassium	ug/L	5000	4490		90	80 - 120	P
Selenium	ug/L	1000	955		96	80 - 120	P
Silver	ug/L	37.5	36.1		96	80 - 120	P
Sodium	ug/L	1500	1270		85	80 - 120	P
Thallium	ug/L	1000	975		98	80 - 120	P
Vanadium	ug/L	150	134		89	80 - 120	P
Zinc	ug/L	100	97.8		98	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166289BS							
Mercury	mg/Kg	0.28	0.27		95	80 - 120	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166291BS							
Mercury	ug/L	4.0	4.51		113	82 - 119	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166298BS							
Aluminum	mg/Kg	86.2	80.0		93	80 - 120	P
Antimony	mg/Kg	34.5	31.9		92	80 - 120	P
Arsenic	mg/Kg	34.5	33.4		97	80 - 120	P
Barium	mg/Kg	8.6	7.43		86	80 - 120	P
Beryllium	mg/Kg	8.6	8.12		94	80 - 120	P
Cadmium	mg/Kg	8.6	8.03		93	80 - 120	P
Calcium	mg/Kg	43.1	39.5	J	92	80 - 120	P
Chromium	mg/Kg	17.2	17.0		99	80 - 120	P
Cobalt	mg/Kg	8.6	8.00		93	80 - 120	P
Copper	mg/Kg	12.9	12.7		98	80 - 120	P
Iron	mg/Kg	130	120		92	80 - 120	P
Lead	mg/Kg	43.1	40.3		94	80 - 120	P
Magnesium	mg/Kg	86.2	79.2	J	92	80 - 120	P
Manganese	mg/Kg	8.6	7.75		90	80 - 120	P
Nickel	mg/Kg	21.6	20.2		94	80 - 120	P
Potassium	mg/Kg	430	392		91	80 - 120	P
Selenium	mg/Kg	86.2	81.3		94	80 - 120	P
Silver	mg/Kg	3.2	3.10		97	80 - 120	P
Sodium	mg/Kg	130	107		82	80 - 120	P
Thallium	mg/Kg	86.2	84.5		98	80 - 120	P
Vanadium	mg/Kg	12.9	11.9		92	80 - 120	P
Zinc	mg/Kg	8.6	8.37		97	80 - 120	P

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

SPILL-SITEL

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb134437 **Lab Sample ID :** Q1169-05L **SDG No.:** Q1194

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.049		0.051	J	3		CV

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

TAPIAL3-MW04S-012425-00-T3L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb134454 **Lab Sample ID :** Q1193-01L **SDG No.:** Q1194

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.20	U	1.00	U			CV

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

B-113-SB02L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb134493 **Lab Sample ID :** Q1194-04L **SDG No.:** Q1194

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	10400		12400		20		P
Antimony	3.51	U	17.6	U			P
Arsenic	7.87		9.53		21		P
Barium	28.3		33.9	J	20		P
Beryllium	0.89		1.19	J	33		P
Cadmium	0.40	J	2.11	U	100.0		P
Calcium	1530		1900		24		P
Chromium	24.2		29.7		23		P
Cobalt	12.7		12.7		0		P
Copper	16.0		21.9		37		P
Iron	27100		32900		21		P
Lead	14.3		14.9		4		P
Magnesium	5000		6150		23		P
Manganese	330		411		24		P
Nickel	26.3		26.8		2		P
Potassium	1980		2280		15		P
Selenium	1.41	U	7.03	U			P
Silver	0.15	J	3.51	U	100.0		P
Sodium	940		1080		15		P
Thallium	0.64	J	14.1	U	100.0		P
Vanadium	26.2		31.9		22		P
Zinc	62.0		74.6		20		P

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

EBL

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb134457 **Lab Sample ID :** Q1194-08L **SDG No.:** Q1194

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	50.0	U	250	U			P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	50.0	U	250	U			P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	1000	U	5000	U			P
Chromium	5.00	U	25.0	U			P
Cobalt	15.0	U	75.0	U			P
Copper	10.0	U	50.0	U			P
Iron	50.0	U	250	U			P
Lead	6.00	U	30.0	U			P
Magnesium	1000	U	5000	U			P
Manganese	21.3		20.8	J	2		P
Nickel	20.0	U	100	U			P
Potassium	1000	U	5000	U			P
Selenium	10.0	U	50.0	U			P
Silver	0.72	J	25.0	U	100.0		P
Sodium	1000	U	5000	U			P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	20.0	U	100	U			P

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metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q1194 **Sas no.:** Q1194 **Sdg no.:** Q1194

Instrument id number: **Method:** **Run number:** LB134437

Start date: 01/27/2025 **End date:** 01/27/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1709	HG
S0.2	S0.2	1	1711	HG
S2.5	S2.5	1	1714	HG
S5	S5	1	1718	HG
S7.5	S7.5	1	1723	HG
S10	S10	1	1735	HG
ICV70	ICV70	1	1742	HG
ICB70	ICB70	1	1744	HG
CCV74	CCV74	1	1746	HG
CCB74	CCB74	1	1748	HG
CRA	CRA	1	1751	HG
PB166289BL	PB166289BL	1	1758	HG
PB166289BS	PB166289BS	1	1803	HG
Q1169-05DUP	SPILL-SITEDUP	1	1812	HG
Q1169-05MS	SPILL-SITEMS	1	1814	HG
CCV75	CCV75	1	1817	HG
CCB75	CCB75	1	1819	HG
Q1169-05MSD	SPILL-SITEMSD	1	1821	HG
Q1194-01	B-110-SB01	1	1830	HG
Q1194-03	B-113-SB01	1	1835	HG
Q1194-04	B-113-SB02	1	1838	HG
Q1169-05L	SPILL-SITEL	5	1842	HG
CCV76	CCV76	1	1846	HG
CCB76	CCB76	1	1848	HG
Q1194-02	B-110-SB02	10	1852	HG
CCV77	CCV77	1	1854	HG
CCB77	CCB77	1	1856	HG

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metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q1194 **Sas no.:** Q1194 **Sdg no.:** Q1194

Instrument id number: **Method:** **Run number:** LB134454

Start date: 01/28/2025 **End date:** 01/28/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1202	HG
S0.2	S0.2	1	1204	HG
S2.5	S2.5	1	1207	HG
S5	S5	1	1209	HG
S7.5	S7.5	1	1211	HG
S10	S10	1	1234	HG
ICV72	ICV72	1	1239	HG
ICB72	ICB72	1	1242	HG
CCV79	CCV79	1	1244	HG
CCB79	CCB79	1	1246	HG
CRA	CRA	1	1249	HG
CCV80	CCV80	1	1311	HG
CCB80	CCB80	1	1314	HG
PB166291BL	PB166291BL	1	1323	HG
PB166291BS	PB166291BS	1	1327	HG
Q1193-01DUP	TAPIAL3-MW04S-012425-00-T	1	1332	HG
Q1193-01MS	TAPIAL3-MW04S-012425-00-T	1	1334	HG
Q1193-01MSD	TAPIAL3-MW04S-012425-00-T	1	1337	HG
Q1194-08	EB	1	1341	HG
CCV81	CCV81	1	1346	HG
CCB81	CCB81	1	1348	HG
Q1193-01L	TAPIAL3-MW04S-012425-00-T	5	1358	HG
CCV82	CCV82	1	1407	HG
CCB82	CCB82	1	1409	HG

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metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q1194 **Sas no.:** Q1194 **Sdg no.:** Q1194

Instrument id number: **Method:** **Run number:** LB134457

Start date: 01/28/2025 **End date:** 01/28/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1125	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1130	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1134	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1138	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1143	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1147	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1208	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1221	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1226	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1230	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1234	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1239	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1243	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-08	EB	1	1322	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-08DUP	EBDUP	1	1326	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-08L	EBL	5	1330	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1342	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1346	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-08MS	EBMS	1	1351	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-08MSD	EBMSD	1	1355	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-08A	EBA	1	1359	Mn
PB166283BL	PB166283BL	1	1403	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166283BS	PB166283BS	1	1407	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1433	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1437	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1532	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1536	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1552	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1556	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q1194 **Sas no.:** Q1194 **Sdg no.:** Q1194

Instrument id number: **Method:** **Run number:** LB134477

Start date: 01/29/2025 **End date:** 01/29/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1051	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1055	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1059	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1103	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1108	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1112	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1116	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1132	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1137	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1141	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1145	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1202	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1206	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-01	B-110-SB01	1	1215	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-02	B-110-SB02	1	1219	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-03	B-113-SB01	1	1223	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166298BL	PB166298BL	1	1301	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1312	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1316	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166298BS	PB166298BS	1	1320	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1401	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1406	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1424	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1428	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q1194 **Sas no.:** Q1194 **Sdg no.:** Q1194

Instrument id number: **Method:** **Run number:** LB134493

Start date: 01/30/2025 **End date:** 01/30/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1107	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1112	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1116	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1120	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1125	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1129	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1149	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1156	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1200	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1205	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1228	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1241	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1247	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1333	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1337	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1434	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1438	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1525	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1529	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1624	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1628	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1719	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1724	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-04	B-113-SB02	1	1803	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-04DUP	B-113-SB02DUP	1	1807	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1811	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1815	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-04L	B-113-SB02L	5	1819	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-04MS	B-113-SB02MS	1	1824	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-04MSD	B-113-SB02MSD	1	1828	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1194-04A	B-113-SB02A	1	1832	Ba,Be,Cr,Cu,K,Se,V
CCV08	CCV08	1	1845	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1851	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1194 **SAS No.:** Q1194

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q1194	**OrderDate:**	1/27/2025 9:35:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	N41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1194-01	**B-110-SB01**	**SOIL**			**01/25/25**			**01/27/25**
			Mercury	7471B		01/27/25	01/27/25	
			Metals ICP-TAL	6010D		01/28/25	01/29/25	
Q1194-02	**B-110-SB02**	**SOIL**			**01/25/25**			**01/27/25**
			Mercury	7471B		01/27/25	01/27/25	
			Metals ICP-TAL	6010D		01/28/25	01/29/25	
Q1194-03	**B-113-SB01**	**SOIL**			**01/25/25**			**01/27/25**
			Mercury	7471B		01/27/25	01/27/25	
			Metals ICP-TAL	6010D		01/28/25	01/29/25	
Q1194-04	**B-113-SB02**	**SOIL**			**01/25/25**			**01/27/25**
			Mercury	7471B		01/27/25	01/27/25	
			Metals ICP-TAL	6010D		01/28/25	01/30/25	
Q1194-08	**EB**	**Water**			**01/25/25**			**01/27/25**
			Mercury	7470A		01/28/25	01/28/25	
			Metals ICP-TAL	6010D		01/27/25	01/28/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1194 **SAS No.:** Q1194

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB166283**						
PB166283BL	PB166283BL	MB	WATER	01/27/2025	50.0	25.0	
PB166283BS	PB166283BS	LCS	WATER	01/27/2025	50.0	25.0	
Q1194-08	EB	SAM	WATER	01/27/2025	50.0	25.0	
Q1194-08DUP	EBDUP	DUP	WATER	01/27/2025	50.0	25.0	
Q1194-08MS	EBMS	MS	WATER	01/27/2025	50.0	25.0	
Q1194-08MSD	EBMSD	MSD	WATER	01/27/2025	50.0	25.0	

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1194 **SAS No.:** Q1194

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB166289**						
PB166289BL	PB166289BL	MB	SOLID	01/27/2025	0.58	35.0	100.00
PB166289BS	PB166289BS	LCS	SOLID	01/27/2025	0.50	35.0	100.00
Q1169-05DUP	SPILL-SITEDUP	DUP	SOLID	01/27/2025	0.52	35.0	89.70
Q1169-05MS	SPILL-SITEMS	MS	SOLID	01/27/2025	0.56	35.0	89.70
Q1169-05MSD	SPILL-SITEMSD	MSD	SOLID	01/27/2025	0.53	35.0	89.70
Q1194-01	B-110-SB01	SAM	SOLID	01/27/2025	0.53	35.0	88.30
Q1194-02	B-110-SB02	SAM	SOLID	01/27/2025	0.56	35.0	57.00
Q1194-03	B-113-SB01	SAM	SOLID	01/27/2025	0.59	35.0	86.90
Q1194-04	B-113-SB02	SAM	SOLID	01/27/2025	0.56	35.0	64.70

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1194 **SAS No.:** Q1194

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB166291**						
PB166291BL	PB166291BL	MB	WATER	01/28/2025	30.0	30.0	
PB166291BS	PB166291BS	LCS	WATER	01/28/2025	30.0	30.0	
Q1193-01DUP	TAPIAL3-MW04S-012425-00-T3DUP	DUP	WATER	01/28/2025	30.0	30.0	
Q1193-01MS	TAPIAL3-MW04S-012425-00-T3MS	MS	WATER	01/28/2025	30.0	30.0	
Q1193-01MSD	TAPIAL3-MW04S-012425-00-T3MSD	MSD	WATER	01/28/2025	30.0	30.0	
Q1194-08	EB	SAM	WATER	01/28/2025	30.0	30.0	

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1194 **SAS No.:** Q1194

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB166298**						
PB166298BL	PB166298BL	MB	SOLID	01/28/2025	2.32	100.0	100.00
PB166298BS	PB166298BS	LCS	SOLID	01/28/2025	2.32	100.0	100.00
Q1194-01	B-110-SB01	SAM	SOLID	01/28/2025	2.36	100.0	88.30
Q1194-02	B-110-SB02	SAM	SOLID	01/28/2025	2.40	100.0	57.00
Q1194-03	B-113-SB01	SAM	SOLID	01/28/2025	2.27	100.0	86.90
Q1194-04	B-113-SB02	SAM	SOLID	01/28/2025	2.20	100.0	64.70
Q1194-04DUP	B-113-SB02DUP	DUP	SOLID	01/28/2025	2.40	100.0	64.70
Q1194-04MS	B-113-SB02MS	MS	SOLID	01/28/2025	2.13	100.0	64.70
Q1194-04MSD	B-113-SB02MSD	MSD	SOLID	01/28/2025	2.42	100.0	64.70

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134437

Review By	mohan	Review On	1/28/2025 7:16:04 PM
Supervise By	jaswal	Supervise On	1/28/2025 7:18:50 PM

STD. NAME	STD REF.#
ICAL Standard	MP84188,MP84190,MP84191,MP84192,MP84193,MP84194
ICV Standard	MP84195
CCV Standard	MP84197
ICSA Standard	
CRI Standard	MP84199
LCS Standard	
Chk Standard	MP84196,MP84198,MP84200,MP84202

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	01/27/25 17:09		Mohan	OK
2	S0.2	S0.2	CAL2	01/27/25 17:11		Mohan	OK
3	S2.5	S2.5	CAL3	01/27/25 17:14		Mohan	OK
4	S5	S5	CAL4	01/27/25 17:18		Mohan	OK
5	S7.5	S7.5	CAL5	01/27/25 17:23		Mohan	OK
6	S10	S10	CAL6	01/27/25 17:35		Mohan	OK
7	ICV70	ICV70	ICV	01/27/25 17:42		Mohan	OK
8	ICB70	ICB70	ICB	01/27/25 17:44		Mohan	OK
9	CCV74	CCV74	CCV	01/27/25 17:46		Mohan	OK
10	CCB74	CCB74	CCB	01/27/25 17:48		Mohan	OK
11	CRA	CRA	CRDL	01/27/25 17:51		Mohan	OK
12	HighStd	HighStd	HIGH STD	01/27/25 17:53		Mohan	OK
13	ChkStd	ChkStd	SAM	01/27/25 17:55		Mohan	OK
14	PB166289BL	PB166289BL	MB	01/27/25 17:58		Mohan	OK
15	PB166289BS	PB166289BS	LCS	01/27/25 18:03		Mohan	OK
16	Q1169-01	ARS20-0006	SAM	01/27/25 18:05		Mohan	OK
17	Q1169-03	REGULATOR-BUILDI	SAM	01/27/25 18:07		Mohan	OK
18	Q1169-05	SPILL-SITE	SAM	01/27/25 18:10		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134437

Review By	mohan	Review On	1/28/2025 7:16:04 PM
Supervise By	jaswal	Supervise On	1/28/2025 7:18:50 PM

STD. NAME	STD REF.#
ICAL Standard	MP84188,MP84190,MP84191,MP84192,MP84193,MP84194
ICV Standard	MP84195
CCV Standard	MP84197
ICSA Standard	
CRI Standard	MP84199
LCS Standard	
Chk Standard	MP84196,MP84198,MP84200,MP84202

19	Q1169-05DUP	SPILL-SITEDUP	DUP	01/27/25 18:12		Mohan	OK
20	Q1169-05MS	SPILL-SITEMS	MS	01/27/25 18:14		Mohan	OK
21	CCV75	CCV75	CCV	01/27/25 18:17		Mohan	OK
22	CCB75	CCB75	CCB	01/27/25 18:19		Mohan	OK
23	Q1169-05MSD	SPILL-SITEMSD	MSD	01/27/25 18:21		Mohan	OK
24	Q1170-01	OR-03-01232025	SAM	01/27/25 18:23		Mohan	OK
25	Q1183-01	VNJ-237	SAM	01/27/25 18:26		Mohan	OK
26	Q1187-01	SP-COMP	SAM	01/27/25 18:28		Mohan	OK
27	Q1194-01	B-110-SB01	SAM	01/27/25 18:30		Mohan	OK
28	Q1194-02	B-110-SB02	SAM	01/27/25 18:33	High	Mohan	Dilution
29	Q1194-03	B-113-SB01	SAM	01/27/25 18:35		Mohan	OK
30	Q1194-04	B-113-SB02	SAM	01/27/25 18:38		Mohan	OK
31	Q1169-05L	SPILL-SITEL	SD	01/27/25 18:42		Mohan	OK
32	Q1169-05A	SPILL-SITEA	PS	01/27/25 18:44		Mohan	OK
33	CCV76	CCV76	CCV	01/27/25 18:46		Mohan	OK
34	CCB76	CCB76	CCB	01/27/25 18:48		Mohan	OK
35	Q1194-02DL	B-110-SB02DL	SAM	01/27/25 18:52	Report 10X	Mohan	Confirms
36	CCV77	CCV77	CCV	01/27/25 18:54		Mohan	OK
37	CCB77	CCB77	CCB	01/27/25 18:56		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134454

Review By	mohan	Review On	1/28/2025 7:15:15 PM
Supervise By	jaswal	Supervise On	1/28/2025 7:18:17 PM

STD. NAME	STD REF.#
ICAL Standard	MP84236,MP84237,MP84238,MP84239,MP84240,MP84241
ICV Standard	MP84242
CCV Standard	MP84244
ICSA Standard	
CRI Standard	MP84246
LCS Standard	
Chk Standard	MP84243,MP84245,MP84247,MP84249

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	01/28/25 12:02		Mohan	OK
2	S0.2	S0.2	CAL2	01/28/25 12:04		Mohan	OK
3	S2.5	S2.5	CAL3	01/28/25 12:07		Mohan	OK
4	S5	S5	CAL4	01/28/25 12:09		Mohan	OK
5	S7.5	S7.5	CAL5	01/28/25 12:11		Mohan	OK
6	S10	S10	CAL6	01/28/25 12:34		Mohan	OK
7	ICV72	ICV72	ICV	01/28/25 12:39		Mohan	OK
8	ICB72	ICB72	ICB	01/28/25 12:42		Mohan	OK
9	CCV79	CCV79	CCV	01/28/25 12:44		Mohan	OK
10	CCB79	CCB79	CCB	01/28/25 12:46		Mohan	OK
11	CRA	CRA	CRDL	01/28/25 12:49		Mohan	OK
12	HighStd	HighStd	HIGH STD	01/28/25 12:51		Mohan	OK
13	ChkStd	ChkStd	SAM	01/28/25 12:53		Mohan	OK
14	PB166290BL	PB166290BL	MB	01/28/25 12:55		Mohan	OK
15	PB166290BS	PB166290BS	LCS	01/28/25 12:58		Mohan	OK
16	Q1076-05	ARS20-0006	SAM	01/28/25 13:00		Mohan	OK
17	Q1169-02	ARS20-0006	SAM	01/28/25 13:02		Mohan	OK
18	Q1169-04	REGULATOR-BUILDI	SAM	01/28/25 13:05		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134454

Review By	mohan	Review On	1/28/2025 7:15:15 PM
Supervise By	jaswal	Supervise On	1/28/2025 7:18:17 PM

STD. NAME	STD REF.#
ICAL Standard	MP84236,MP84237,MP84238,MP84239,MP84240,MP84241
ICV Standard	MP84242
CCV Standard	MP84244
ICSA Standard	
CRI Standard	MP84246
LCS Standard	
Chk Standard	MP84243,MP84245,MP84247,MP84249

19	Q1169-06	SPILL-SITE	SAM	01/28/25 13:07		Mohan	OK
20	Q1169-06DUP	SPILL-SITEDUP	DUP	01/28/25 13:09		Mohan	OK
21	CCV80	CCV80	CCV	01/28/25 13:11		Mohan	OK
22	CCB80	CCB80	CCB	01/28/25 13:14		Mohan	OK
23	Q1169-06MS	SPILL-SITEMS	MS	01/28/25 13:16		Mohan	OK
24	Q1169-06MSD	SPILL-SITEMSD	MSD	01/28/25 13:18		Mohan	OK
25	PB166291BL	PB166291BL	MB	01/28/25 13:23		Mohan	OK
26	PB166291BS	PB166291BS	LCS	01/28/25 13:27		Mohan	OK
27	Q1193-01	TAPIAL3-MW04S-012	SAM	01/28/25 13:30		Mohan	OK
28	Q1193-01DUP	TAPIAL3-MW04S-012	DUP	01/28/25 13:32		Mohan	OK
29	Q1193-01MS	TAPIAL3-MW04S-012	MS	01/28/25 13:34		Mohan	OK
30	Q1193-01MSD	TAPIAL3-MW04S-012	MSD	01/28/25 13:37		Mohan	OK
31	Q1193-02	TAPIAL2-MW01-0124	SAM	01/28/25 13:39		Mohan	OK
32	Q1194-08	EB	SAM	01/28/25 13:41		Mohan	OK
33	CCV81	CCV81	CCV	01/28/25 13:46		Mohan	OK
34	CCB81	CCB81	CCB	01/28/25 13:48		Mohan	OK
35	PB166211TB	PB166211TB	MB	01/28/25 13:51		Mohan	OK
36	Q1169-06L	SPILL-SITEL	SD	01/28/25 13:53		Mohan	OK
37	Q1169-06A	SPILL-SITEA	PS	01/28/25 13:55		Mohan	OK
38	Q1193-01L	TAPIAL3-MW04S-012	SD	01/28/25 13:58		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134454

Review By	mohan	Review On	1/28/2025 7:15:15 PM
Supervise By	jaswal	Supervise On	1/28/2025 7:18:17 PM

STD. NAME	STD REF.#
ICAL Standard	MP84236,MP84237,MP84238,MP84239,MP84240,MP84241
ICV Standard	MP84242
CCV Standard	MP84244
ICSA Standard	
CRI Standard	MP84246
LCS Standard	
Chk Standard	MP84243,MP84245,MP84247,MP84249

39	Q1193-01A	TAPIAL3-MW04S-012	PS	01/28/25 14:00		Mohan	OK
40	CCV82	CCV82	CCV	01/28/25 14:07		Mohan	OK
41	CCB82	CCB82	CCB	01/28/25 14:09		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134457

Review By	kareem	Review On	1/29/2025 10:07:06 AM
Supervise By	Jaswal	Supervise On	1/30/2025 7:27:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228
ICV Standard	MP84229
CCV Standard	MP84232
ICSA Standard	MP84230,MP84231
CRI Standard	MP84228
LCS Standard	MP84211
Chk Standard	MP84218,MP84219

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	01/28/25 11:25		Kareem	OK
2	S1	S1	CAL2	01/28/25 11:30		Kareem	OK
3	S2	S2	CAL3	01/28/25 11:34		Kareem	OK
4	S3	S3	CAL4	01/28/25 11:38		Kareem	OK
5	S4	S4	CAL5	01/28/25 11:43		Kareem	OK
6	S5	S5	CAL6	01/28/25 11:47		Kareem	OK
7	ICV01	ICV01	ICV	01/28/25 12:03		Kareem	OK
8	LLICV01	LLICV01	LLICV	01/28/25 12:08		Kareem	OK
9	ICB01	ICB01	ICB	01/28/25 12:21		Kareem	OK
10	CRI01	CRI01	CRDL	01/28/25 12:26		Kareem	OK
11	ICSA01	ICSA01	ICSA	01/28/25 12:30		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	01/28/25 12:34		Kareem	OK
13	CCV01	CCV01	CCV	01/28/25 12:39		Kareem	OK
14	CCB01	CCB01	CCB	01/28/25 12:43		Kareem	OK
15	Q1076-05	ARS20-0006	SAM	01/28/25 12:52		Kareem	OK
16	Q1169-02	ARS20-0006	SAM	01/28/25 12:56		Kareem	OK
17	Q1169-04	REGULATOR-BUILDI	SAM	01/28/25 13:00		Kareem	OK
18	Q1169-06	SPILL-SITE	SAM	01/28/25 13:05		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134457

Review By	kareem	Review On	1/29/2025 10:07:06 AM
Supervise By	Jaswal	Supervise On	1/30/2025 7:27:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228
ICV Standard	MP84229
CCV Standard	MP84232
ICSA Standard	MP84230,MP84231
CRI Standard	MP84228
LCS Standard	MP84211
Chk Standard	MP84218,MP84219

19	Q1169-01	ARS20-0006	SAM	01/28/25 13:09		Kareem	OK
20	Q1169-03	REGULATOR-BUILDI	SAM	01/28/25 13:13		Kareem	OK
21	Q1169-05	SPILL-SITE	SAM	01/28/25 13:17		Kareem	OK
22	Q1194-08	EB	SAM	01/28/25 13:22		Kareem	OK
23	Q1194-08DUP	EBDUP	DUP	01/28/25 13:26		Kareem	OK
24	Q1194-08L	EBL	SD	01/28/25 13:30		Kareem	OK
25	CCV02	CCV02	CCV	01/28/25 13:42		Kareem	OK
26	CCB02	CCB02	CCB	01/28/25 13:46		Kareem	OK
27	Q1194-08MS	EBMS	MS	01/28/25 13:51		Kareem	OK
28	Q1194-08MSD	EBMSD	MSD	01/28/25 13:55		Kareem	OK
29	Q1194-08A	EBA	PS	01/28/25 13:59		Kareem	OK
30	PB166283BL	PB166283BL	MB	01/28/25 14:03		Kareem	OK
31	PB166283BS	PB166283BS	LCS	01/28/25 14:07	0.1 ml of M6010 and M6001 were added to 10 ml of the sample	Kareem	OK
32	Q1169-06DUP	SPILL-SITEDUP	DUP	01/28/25 14:11		Kareem	OK
33	Q1169-06L	SPILL-SITEL	SD	01/28/25 14:16		Kareem	OK
34	Q1169-06MS	SPILL-SITEMS	MS	01/28/25 14:20	0.1 ml of M6010 and M6001 were added to 10 ml of the sample	Kareem	OK
35	Q1169-06MSD	SPILL-SITEMSD	MSD	01/28/25 14:24	0.1 ml of M6010 and M6001 were added to 10 ml of the sample	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134457

Review By	kareem	Review On	1/29/2025 10:07:06 AM
Supervise By	Jaswal	Supervise On	1/30/2025 7:27:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228
ICV Standard	MP84229
CCV Standard	MP84232
ICSA Standard	MP84230,MP84231
CRI Standard	MP84228
LCS Standard	MP84211
Chk Standard	MP84218,MP84219

36	Q1169-06A	SPILL-SITEA	PS	01/28/25 14:28	0.1 ml of M6010 and M6001 were added to 10 ml of the sample	Kareem	OK
37	CCV03	CCV03	CCV	01/28/25 14:33		Kareem	OK
38	CCB03	CCB03	CCB	01/28/25 14:37		Kareem	OK
39	PB166211TB	PB166211TB	MB	01/28/25 14:41		Kareem	OK
40	PB166266BL	PB166266BL	MB	01/28/25 14:46		Kareem	OK
41	PB166266BS	PB166266BS	LCS	01/28/25 14:50	0.1 ml of M6010 and M6001 were added to 10 ml of the sample	Kareem	OK
42	Q1169-05DUP	SPILL-SITEDUP	DUP	01/28/25 14:54		Kareem	OK
43	Q1169-05L	SPILL-SITEL	SD	01/28/25 14:58		Kareem	OK
44	Q1169-05MS	SPILL-SITEMS	MS	01/28/25 15:02	0.1 ml of M6010 and M6001 were added to 10 ml of the sample	Kareem	OK
45	Q1169-05MSD	SPILL-SITEMSD	MSD	01/28/25 15:06	0.1 ml of M6010 and M6001 were added to 10 ml of the sample	Kareem	OK
46	Q1169-05A	SPILL-SITEA	PS	01/28/25 15:10	0.1 ml of M6010 and M6001 were added to 10 ml of the sample	Kareem	OK
47	PB166268BL	PB166268BL	MB	01/28/25 15:14		Kareem	OK
48	PB166268BS	PB166268BS	LCS	01/28/25 15:19	0.1 ml of M6010 and M6001 were added to 10 ml of the sample	Kareem	OK
49	CCV04	CCV04	CCV	01/28/25 15:32		Kareem	OK
50	CCB04	CCB04	CCB	01/28/25 15:36		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134457

Review By	kareem	Review On	1/29/2025 10:07:06 AM
Supervise By	Jaswal	Supervise On	1/30/2025 7:27:36 AM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228
ICV Standard	MP84229
CCV Standard	MP84232
ICSA Standard	MP84230,MP84231
CRI Standard	MP84228
LCS Standard	MP84211
Chk Standard	MP84218,MP84219

51	LR1	LR1	HIGH STD	01/28/25 15:42		Kareem	OK
52	LR2	LR2	HIGH STD	01/28/25 15:47		Kareem	OK
53	CCV05	CCV05	CCV	01/28/25 15:52		Kareem	OK
54	CCB05	CCB05	CCB	01/28/25 15:56		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134477

Review By	kareem	Review On	1/30/2025 3:39:41 PM
Supervise By	Jaswal	Supervise On	2/4/2025 1:27:33 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228
ICV Standard	MP84229
CCV Standard	MP84232
ICSA Standard	MP84230,MP84231
CRI Standard	MP84228
LCS Standard	
Chk Standard	MP84218,MP84219

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	01/29/25 10:51		Kareem	OK
2	S1	S1	CAL2	01/29/25 10:55		Kareem	OK
3	S2	S2	CAL3	01/29/25 10:59		Kareem	OK
4	S3	S3	CAL4	01/29/25 11:03		Kareem	OK
5	S4	S4	CAL5	01/29/25 11:08		Kareem	OK
6	S5	S5	CAL6	01/29/25 11:12		Kareem	OK
7	ICV01	ICV01	ICV	01/29/25 11:16		Kareem	OK
8	LLICV01	LLICV01	LLICV	01/29/25 11:32		Kareem	OK
9	ICB01	ICB01	ICB	01/29/25 11:37		Kareem	OK
10	CRI01	CRI01	CRDL	01/29/25 11:41		Kareem	OK
11	ICSA01	ICSA01	ICSA	01/29/25 11:45		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	01/29/25 12:02		Kareem	OK
13	CCV01	CCV01	CCV	01/29/25 12:06		Kareem	OK
14	CCB01	CCB01	CCB	01/29/25 12:10		Kareem	OK
15	Q1194-01	B-110-SB01	SAM	01/29/25 12:15		Kareem	OK
16	Q1194-02	B-110-SB02	SAM	01/29/25 12:19		Kareem	OK
17	Q1194-03	B-113-SB01	SAM	01/29/25 12:23		Kareem	OK
18	Q1194-04	B-113-SB02	SAM	01/29/25 12:27	MS/MSD fail for 50% parameters	Kareem	Not Ok

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134477

Review By	kareem	Review On	1/30/2025 3:39:41 PM
Supervise By	Jaswal	Supervise On	2/4/2025 1:27:33 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228
ICV Standard	MP84229
CCV Standard	MP84232
ICSA Standard	MP84230,MP84231
CRI Standard	MP84228
LCS Standard	
Chk Standard	MP84218,MP84219

19	Q1194-04DUP	B-113-SB02DUP	DUP	01/29/25 12:31	MS/MSD fail for 50% parameters	Kareem	Not Ok
20	Q1194-04L	B-113-SB02L	SD	01/29/25 12:35	MS/MSD fail for 50% parameters	Kareem	Not Ok
21	Q1194-04MS	B-113-SB02MS	MS	01/29/25 12:40	MS/MSD fail for 50% parameters	Kareem	Not Ok
22	Q1194-04MSD	B-113-SB02MSD	MSD	01/29/25 12:44	MS/MSD fail for 50% parameters	Kareem	Not Ok
23	Q1194-04A	B-113-SB02A	PS	01/29/25 12:48	MS/MSD fail for 50% parameters	Kareem	Not Ok
24	PB166298BL	PB166298BL	MB	01/29/25 13:01		Kareem	OK
25	CCV02	CCV02	CCV	01/29/25 13:12		Kareem	OK
26	CCB02	CCB02	CCB	01/29/25 13:16		Kareem	OK
27	PB166298BS	PB166298BS	LCS	01/29/25 13:20	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
28	Q1205-01	VNJ-236	SAM	01/29/25 13:24		Kareem	OK
29	Q1209-01	WC-4	SAM	01/29/25 13:28		Kareem	OK
30	Q1209-05	WC-5	SAM	01/29/25 13:32		Kareem	OK
31	Q1209-05DUP	WC-5DUP	DUP	01/29/25 13:37		Kareem	OK
32	Q1209-05L	WC-5L	SD	01/29/25 13:41		Kareem	OK
33	Q1209-05MS	WC-5MS	MS	01/29/25 13:45	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
34	Q1209-05MSD	WC-5MSD	MSD	01/29/25 13:49	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134477

Review By	kareem	Review On	1/30/2025 3:39:41 PM
Supervise By	Jaswal	Supervise On	2/4/2025 1:27:33 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228
ICV Standard	MP84229
CCV Standard	MP84232
ICSA Standard	MP84230,MP84231
CRI Standard	MP84228
LCS Standard	
Chk Standard	MP84218,MP84219

35	Q1209-05A	WC-5A	PS	01/29/25 13:53	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
36	PB166322BL	PB166322BL	MB	01/29/25 13:57		Kareem	OK
37	CCV03	CCV03	CCV	01/29/25 14:01		Kareem	OK
38	CCB03	CCB03	CCB	01/29/25 14:06		Kareem	OK
39	PB166322BS	PB166322BS	LCS	01/29/25 14:10	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
40	LR1	LR1	HIGH STD	01/29/25 14:14		Kareem	OK
41	LR2	LR2	HIGH STD	01/29/25 14:19		Kareem	OK
42	CCV04	CCV04	CCV	01/29/25 14:24		Kareem	OK
43	CCB04	CCB04	CCB	01/29/25 14:28		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134493

Review By	kareem	Review On	1/31/2025 12:05:06 PM
Supervise By	Jaswal	Supervise On	2/4/2025 1:27:49 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228
ICV Standard	MP84229
CCV Standard	MP84232
ICSA Standard	MP84230,MP84231
CRI Standard	MP84228
LCS Standard	
Chk Standard	MP84218,MP84219

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	01/30/25 11:07		Kareem	OK
2	S1	S1	CAL2	01/30/25 11:12		Kareem	OK
3	S2	S2	CAL3	01/30/25 11:16		Kareem	OK
4	S3	S3	CAL4	01/30/25 11:20		Kareem	OK
5	S4	S4	CAL5	01/30/25 11:25		Kareem	OK
6	S5	S5	CAL6	01/30/25 11:29		Kareem	OK
7	ICV01	ICV01	ICV	01/30/25 11:49	ICV fail for Al,Ba,Be,Ca,Mg,V (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	01/30/25 11:56		Kareem	OK
9	ICB01	ICB01	ICB	01/30/25 12:00		Kareem	OK
10	CRI01	CRI01	CRDL	01/30/25 12:05		Kareem	OK
11	ICSA01	ICSA01	ICSA	01/30/25 12:10		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	01/30/25 12:28		Kareem	OK
13	ICSADL	ICSADL	ICSA	01/30/25 12:33		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	01/30/25 12:37		Kareem	OK
15	CCV01	CCV01	CCV	01/30/25 12:41		Kareem	OK
16	CCB01	CCB01	CCB	01/30/25 12:47		Kareem	OK
17	Q1152-01	EFFLUENT-DAY-1-MI	SAM	01/30/25 12:51		Kareem	OK
18	Q1152-01DUP	EFFLUENT-DAY-1-MI	DUP	01/30/25 12:55		Kareem	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134493

Review By	kareem	Review On	1/31/2025 12:05:06 PM
Supervise By	Jaswal	Supervise On	2/4/2025 1:27:49 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228
ICV Standard	MP84229
CCV Standard	MP84232
ICSA Standard	MP84230,MP84231
CRI Standard	MP84228
LCS Standard	
Chk Standard	MP84218,MP84219

19	Q1152-01L	EFFLUENT-DAY-1-MI	SD	01/30/25 13:00		Kareem	OK
20	Q1152-01MS	EFFLUENT-DAY-1-MI	MS	01/30/25 13:04		Kareem	OK
21	Q1152-01MSD	EFFLUENT-DAY-1-MI	MSD	01/30/25 13:08		Kareem	OK
22	Q1152-01A	EFFLUENT-DAY-1-MI	PS	01/30/25 13:12		Kareem	OK
23	PB166190BL	PB166190BL	MB	01/30/25 13:16		Kareem	OK
24	PB166190BS	PB166190BS	LCS	01/30/25 13:20		Kareem	OK
25	Q1205-02	VNJ-236	SAM	01/30/25 13:24		Kareem	OK
26	Q1206-04	JPP-20.1-012725	SAM	01/30/25 13:29		Kareem	OK
27	CCV02	CCV02	CCV	01/30/25 13:33		Kareem	OK
28	CCB02	CCB02	CCB	01/30/25 13:37		Kareem	OK
29	Q1206-08	JPP-16.3-012725	SAM	01/30/25 13:41		Kareem	OK
30	Q1207-04	JPP-2.1-012725	SAM	01/30/25 13:46		Kareem	OK
31	Q1207-08	JPP-5.1-012725	SAM	01/30/25 13:50		Kareem	OK
32	Q1207-12	JPP-4.5-012725	SAM	01/30/25 13:55		Kareem	OK
33	Q1207-16	JPP-16.2-012725	SAM	01/30/25 13:59		Kareem	OK
34	Q1207-20	JPP-20.2-012725	SAM	01/30/25 14:03		Kareem	OK
35	Q1209-04	WC-4	SAM	01/30/25 14:08		Kareem	OK
36	Q1209-08	WC-5	SAM	01/30/25 14:12		Kareem	OK
37	Q1209-08DUP	WC-5DUP	DUP	01/30/25 14:17		Kareem	OK
38	Q1209-08L	WC-5L	SD	01/30/25 14:21		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134493

Review By	kareem	Review On	1/31/2025 12:05:06 PM
Supervise By	Jaswal	Supervise On	2/4/2025 1:27:49 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228
ICV Standard	MP84229
CCV Standard	MP84232
ICSA Standard	MP84230,MP84231
CRI Standard	MP84228
LCS Standard	
Chk Standard	MP84218,MP84219

39	CCV03	CCV03	CCV	01/30/25 14:34		Kareem	OK
40	CCB03	CCB03	CCB	01/30/25 14:38		Kareem	OK
41	Q1209-08MS	WC-5MS	MS	01/30/25 14:43	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK
42	Q1209-08MSD	WC-5MSD	MSD	01/30/25 14:47	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK
43	Q1209-08A	WC-5A	PS	01/30/25 14:51	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK
44	PB166318TB	PB166318TB	MB	01/30/25 14:55		Kareem	OK
45	PB166342BL	PB166342BL	MB	01/30/25 15:00		Kareem	OK
46	PB166342BS	PB166342BS	LCS	01/30/25 15:04	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK
47	Q1206-03	JPP-20.1-012725	SAM	01/30/25 15:08		Kareem	OK
48	Q1206-07	JPP-16.3-012725	SAM	01/30/25 15:12		Kareem	OK
49	Q1207-03	JPP-2.1-012725	SAM	01/30/25 15:16		Kareem	OK
50	Q1207-03DUP	JPP-2.1-012725DUP	DUP	01/30/25 15:21		Kareem	OK
51	CCV04	CCV04	CCV	01/30/25 15:25		Kareem	OK
52	CCB04	CCB04	CCB	01/30/25 15:29		Kareem	OK
53	Q1207-03L	JPP-2.1-012725L	SD	01/30/25 15:33		Kareem	OK
54	Q1207-03MS	JPP-2.1-012725MS	MS	01/30/25 15:38	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134493

Review By	kareem	Review On	1/31/2025 12:05:06 PM
Supervise By	Jaswal	Supervise On	2/4/2025 1:27:49 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228
ICV Standard	MP84229
CCV Standard	MP84232
ICSA Standard	MP84230,MP84231
CRI Standard	MP84228
LCS Standard	
Chk Standard	MP84218,MP84219

55	Q1207-03MSD	JPP-2.1-012725MSD	MSD	01/30/25 15:42	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK
56	Q1207-03A	JPP-2.1-012725A	PS	01/30/25 15:46	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK
57	Q1207-07	JPP-5.1-012725	SAM	01/30/25 15:50		Kareem	OK
58	Q1207-11	JPP-4.5-012725	SAM	01/30/25 15:54		Kareem	OK
59	Q1207-15	JPP-16.2-012725	SAM	01/30/25 15:58		Kareem	OK
60	Q1207-19	JPP-20.2-012725	SAM	01/30/25 16:03		Kareem	OK
61	PB166330BL	PB166330BL	MB	01/30/25 16:07		Kareem	OK
62	PB166330BS	PB166330BS	LCS	01/30/25 16:11		Kareem	OK
63	CCV05	CCV05	CCV	01/30/25 16:24		Kareem	OK
64	CCB05	CCB05	CCB	01/30/25 16:28		Kareem	OK
65	PB166376BL	PB166376BL	MB	01/30/25 16:32		Kareem	OK
66	PB166376BS	PB166376BS	LCS	01/30/25 16:37	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK
67	Q1216-03	JPP-18.1-012825	SAM	01/30/25 16:41		Kareem	OK
68	Q1216-07	JPP-21.1-012825	SAM	01/30/25 16:45		Kareem	OK
69	Q1216-11	JPP-21.2-012825	SAM	01/30/25 16:49		Kareem	OK
70	Q1216-15	JPP-26.1-012825	SAM	01/30/25 16:54		Kareem	OK
71	Q1216-19	JPP-26.2-012825	SAM	01/30/25 16:58		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134493

Review By	kareem	Review On	1/31/2025 12:05:06 PM
Supervise By	Jaswal	Supervise On	2/4/2025 1:27:49 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228
ICV Standard	MP84229
CCV Standard	MP84232
ICSA Standard	MP84230,MP84231
CRI Standard	MP84228
LCS Standard	
Chk Standard	MP84218,MP84219

72	Q1218-01	BELL-25-002	SAM	01/30/25 17:02		Kareem	OK
73	Q1219-01	LAW-25-0015	SAM	01/30/25 17:06		Kareem	OK
74	Q1220-01	TR-06-01292025	SAM	01/30/25 17:11		Kareem	OK
75	CCV06	CCV06	CCV	01/30/25 17:19		Kareem	OK
76	CCB06	CCB06	CCB	01/30/25 17:24		Kareem	OK
77	Q1221-01	CHESTNUT-CONCRE	SAM	01/30/25 17:28		Kareem	OK
78	Q1221-01DUP	CHESTNUT-CONCRE	DUP	01/30/25 17:33		Kareem	OK
79	Q1221-01L	CHESTNUT-CONCRE	SD	01/30/25 17:37		Kareem	OK
80	Q1221-01MS	CHESTNUT-CONCRE	MS	01/30/25 17:41	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK
81	Q1221-01MSD	CHESTNUT-CONCRE	MSD	01/30/25 17:46	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK
82	Q1221-01A	CHESTNUT-CONCRE	PS	01/30/25 17:50	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK
83	Q1215-03	JPP-29.1-012825	SAM	01/30/25 17:54		Kareem	OK
84	Q1215-07	JPP-29.2-012825	SAM	01/30/25 17:58		Kareem	OK
85	Q1194-04	B-113-SB02	SAM	01/30/25 18:03		Kareem	OK
86	Q1194-04DUP	B-113-SB02DUP	DUP	01/30/25 18:07		Kareem	OK
87	CCV07	CCV07	CCV	01/30/25 18:11		Kareem	OK
88	CCB07	CCB07	CCB	01/30/25 18:15		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134493

Review By	kareem	Review On	1/31/2025 12:05:06 PM
Supervise By	Jaswal	Supervise On	2/4/2025 1:27:49 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84223,MP84224,MP84225,MP84226,MP84228
ICV Standard	MP84229
CCV Standard	MP84232
ICSA Standard	MP84230,MP84231
CRI Standard	MP84228
LCS Standard	
Chk Standard	MP84218,MP84219

89	Q1194-04L	B-113-SB02L	SD	01/30/25 18:19		Kareem	OK
90	Q1194-04MS	B-113-SB02MS	MS	01/30/25 18:24	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK
91	Q1194-04MSD	B-113-SB02MSD	MSD	01/30/25 18:28	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK
92	Q1194-04A	B-113-SB02A	PS	01/30/25 18:32	0.1 ML M6010 and M6001 were added to 10 ML of sample	Kareem	OK
93	LR1	LR1	HIGH STD	01/30/25 18:36		Kareem	OK
94	LR2	LR2	HIGH STD	01/30/25 18:41		Kareem	OK
95	CCV08	CCV08	CCV	01/30/25 18:45		Kareem	OK
96	CCB08	CCB08	CCB	01/30/25 18:51		Kareem	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB166283

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 01/27/2025 **Time :** 14:15 **Temp :** 96 °C

End Digest Date: 01/27/2025 **Time :** 17:20 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. # 1

Dig Technician Signature: [signature]

Supervisor Signature: [signature]

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6002
LFS-2	0.25	M6011
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6126
1:1 HCL	5.00	MP83499
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1CELL #55 Temp: 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/27/25 18:20	[signature] met dress 709.	[signature]
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB166283

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB166283BL	PBW283	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	9
PB166283BS	LCS283	<2	50	25	Colorless	Colorless	Clear	Clear	M6002,M6011	10
Q1194-08MS	EBMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6002,M6011	13
Q1194-08MSD	EBMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6002,M6011	14
Q1194-08DUP	EBDUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	12
Q1194-08	EB	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	11

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB166289

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 01/27/2025 **Time :** 13:05 **Temp :** 94 °C

End Digest Date: 01/27/2025 **Time :** 13:35 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: 12

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84195
CCV	30mL	MP84197
CRA	30mL	MP84199
Blank Spike	0.48mL	MP84187
Matrix Spike	0.48mL	MP84187

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP84201
KMnO4 (5%)	4.5mL	MP83692
Hydroxylamine HCL (12%)	2.0mL	MP83694
PTFE Boiling Stones	----------	M4583
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP84188
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84190
2.5 ppb	S2.5	30mL	MP84191
5.0 ppb	S5.0	30mL	MP84192
7.5 ppb	S7.5	30mL	MP84193
10.0 ppb	S10.0	30mL	MP84194
ICV	ICV	30mL	MP84195
ICB	ICB	30mL	MP84196
CCV	CCV	30mL	MP84197
CCB	CCB	30mL	MP84198
CRI	CRI	30mL	MP84199
CHK STD	CHK STD	30mL	MP84200

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
1/27/25 @ 13:50	MB - DIG#1 LAB	MB - Metal Lab
13:50	Preparation Group	Analysis Group

MB 01/28/25

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB166289

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB166289BL	PBS289	0.58	35	NA	N/A	3-1
PB166289BS	LCS289	0.50	35	NA	MP84187	2
Q1169-01	ARS20-0006	0.58	35	NA	N/A	3
Q1169-03	REGULATOR-BUILDING-GRAVEL	0.50	35	NA	N/A	4
Q1169-05	SPILL-SITE	0.54	35	NA	N/A	5
Q1169-05DUP	SPILL-SITEDUP	0.52	35	NA	N/A	6
Q1169-05MS	SPILL-SITEMS	0.56	35	NA	MP84187	7
Q1169-05MSD	SPILL-SITEMSD	0.53	35	NA	MP84187	8
Q1170-01	OR-03-01232025	0.58	35	NA	N/A	9
Q1183-01	VNJ-237	0.50	35	NA	N/A	10
Q1187-01	SP-COMP	0.54	35	NA	N/A	11
Q1194-01	B-110-SB01	0.53	35	NA	N/A	12
Q1194-02	B-110-SB02	0.56	35	NA	N/A	13
Q1194-03	B-113-SB01	0.59	35	NA	N/A	14
Q1194-04	B-113-SB02	0.56	35	NA	N/A	15

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB166291

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : N/A

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 01/28/2025 **Time :** 09:25 **Temp :** 94 °C

End Digest Date: 01/28/2025 **Time :** 11:25 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: [signature]

Supervisor Signature: [signature]

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84242
CCV	30mL	MP84244
CRA	30mL	MP84246
Blank Spike	0.48mL	MP84235
Matrix Spike	0.48mL	MP84235

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP83691
KMnO4 (5%)	4.5mL	MP83692
K2S2O8 (5%)	2.5mL	MP83693
Hydroxylamine HCL (12%)	2.0mL	MP83694
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP84236
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84237
2.5 ppb	S2.5	30mL	MP84238
5.0 ppb	S5.0	30mL	MP84239
7.5 ppb	S7.5	30mL	MP84240
10.0 ppb	S10.0	30mL	MP84241
ICV	ICV	30mL	MP84242
ICB	ICB	30mL	MP84243
CCV	CCV	30mL	MP84244
CCB	CCB	30mL	MP84245
CRI	CRI	30mL	MP84246
CHK STD	CHK STD	30mL	MP84247

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
1/28/25 @ 11:30	[signature] Dig. Lab	[signature] Prep Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB166291

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB166291BL	PBW291	30	30	<2	N/A	3-11
PB166291BS	LCS291	30	30	<2	MP84235	12
Q1193-01DUP	TAPIAL3-MW04S-012425-00-T3DUP	30	30	<2	N/A	14
Q1193-01MS	TAPIAL3-MW04S-012425-00-T3MS	30	30	<2	MP84235	15
Q1193-01MSD	TAPIAL3-MW04S-012425-00-T3MSD	30	30	<2	MP84235	16
Q1193-01	TAPIAL3-MW04S-012425-00-T3	30	30	<2	N/A	13
Q1193-02	TAPIAL2-MW01-012425-00-T2	30	30	<2	N/A	17
Q1194-08	EB	30	30	<2	N/A	18

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB166298

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 01/28/2025 **Time :** 11:30 **Temp :** 96 °C

End Digest Date: 01/28/2025 **Time :** 13:35 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: SLD.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6002
LFS-2	1.00	M6011
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00	MP84041
Conc. HNO3	5.00	M6126
30% H2O2	3.00	M6125
Conc. HCL	10.00	M6121
PTFE Boiling Stones	N/A	M5585
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#2 CELL#34 TEMP:96c

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/28/25 14:35	SLD. met digestion	SA (metals Lab)
	Preparation Group	Analysis Group

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Soil/Sludge Metals Preparation Sheet

PB166298

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB166298BL	PBS298	N/A	2.32	100	Colorless	Colorless	Fine	N/A	N/A	1
PB166298BS	LCS298	N/A	2.32	100	Colorless	Colorless	Fine	N/A	M6002,M6011	2
Q1194-01	B-110-SB01	N/A	2.36	100	Brown	Yellow	Medium	N/A	N/A	3
Q1194-02	B-110-SB02	N/A	2.40	100	Brown	Yellow	Medium	N/A	N/A	4
Q1194-03	B-113-SB01	N/A	2.27	100	Brown	Yellow	Medium	N/A	N/A	5
Q1194-04	B-113-SB02	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	6
Q1194-04MS	B-113-SB02MS	N/A	2.13	100	Brown	Yellow	Medium	N/A	M6002,M6011	8
Q1194-04MSD	B-113-SB02MSD	N/A	2.42	100	Brown	Yellow	Medium	N/A	M6002,M6011	9
Q1194-04DUP	B-113-SB02DUP	N/A	2.40	100	Brown	Yellow	Medium	N/A	N/A	7

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25 11:33
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
		% Solid:	88.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.089	U	1	0.089	0.45	mg/Kg	01/27/25 14:25	01/28/25 09:49	7196A
Trivalent Chromium	14.7		1	0.57	0.57	mg/Kg		01/29/25 12:15	6010D

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25 13:58
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
		% Solid:	57

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.14	U	1	0.14	0.68	mg/Kg	01/27/25 14:25	01/28/25 09:50	7196A
Trivalent Chromium	109		1	0.88	0.88	mg/Kg		01/29/25 12:19	6010D

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25 11:52
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
		% Solid:	86.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.089	U	1	0.089	0.45	mg/Kg	01/27/25 14:25	01/28/25 09:51	7196A
Trivalent Chromium	9.71		1	0.57	0.57	mg/Kg		01/29/25 12:23	6010D

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25 14:44
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
		% Solid:	64.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.12	U	1	0.12	0.60	mg/Kg	01/27/25 14:25	01/28/25 09:58	7196A
Trivalent Chromium	24.2		1	0.77	0.77	mg/Kg		01/30/25 18:03	6010D

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25 00:00
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.0030	U	1	0.0030	0.010	mg/L		01/27/25 16:01	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		01/28/25 13:22	6010D

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1194
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB134432

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	01/27/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.498	0.5	100	90-110	01/27/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	01/27/2025

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Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1194
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB134452

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	01/28/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.498	0.5	100	90-110	01/28/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	01/28/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	01/28/2025

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Initial and Continuing Calibration Blank Summary

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Project: Amtrak Sawtooth Bridges 2025 **RunNo.:** LB134432

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	01/27/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	01/27/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	01/27/2025

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Initial and Continuing Calibration Blank Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1194
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB134452

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	01/28/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	01/28/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	01/28/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	01/28/2025

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Preparation Blank Summary

Client: Portal Partners Tri-Venture **SDG No.:** Q1194

Project: Amtrak Sawtooth Bridges 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134432BL							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	01/27/2025
Sample ID: PB166262BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	01/28/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1194
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1194-03
Client ID: B-113-SB01MS
Percent Solids for Spike Sample: 86.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1440		0.089	U	1480	40	97		01/28/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1194
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1194-03
Client ID: B-113-SB01MS
Percent Solids for Spike Sample: 86.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	45.1		0.089	U	46.0	2	98		01/28/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1194
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1194-03
Client ID: B-113-SB01MS
Percent Solids for Spike Sample: 86.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	40.3		0.089	U	46.0	2	88		01/28/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1194
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1194-03
Client ID: B-113-SB01DUP
Percent Solids for Spike Sample: 86.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.089	U	0.090	U	1	0		01/28/2025

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Laboratory Control Sample Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1194
Project:	Amtrak Sawtooth Bridges 2025	**Run No.:**	LB134432

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB134432BS								
Hexavalent Chromium	mg/L	0.5	0.50		100	1	90-111	01/27/2025

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Laboratory Control Sample Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1194
Project:	Amtrak Sawtooth Bridges 2025	**Run No.:**	LB134452

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB166262BS								
Hexavalent Chromium	mg/Kg	20	20.0		100	1	84-110	01/28/2025

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134432

Review By	rubina	Review On	1/27/2025 4:57:24 PM
Supervise By	Iwona	Supervise On	1/27/2025 4:57:48 PM
SubDirectory	LB134432	Test	Hexavalent Chromium

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP111653,WP111652,WP111650,WP111649,WP111659,WP110380,WP111657,WP111658,WP111651,WP111656,WI

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	01/27/25 15:45			OK
2	CAL2	CAL2	CAL	01/27/25 15:46			OK
3	CAL3	CAL3	CAL	01/27/25 15:47			OK
4	CAL4	CAL4	CAL	01/27/25 15:48			OK
5	CAL5	CAL5	CAL	01/27/25 15:49			OK
6	CAL6	CAL6	CAL	01/27/25 15:50			OK
7	CAL7	CAL7	CAL	01/27/25 15:51			OK
8	ICV	ICV	ICV	01/27/25 15:52			OK
9	ICB	ICB	ICB	01/27/25 15:53			OK
10	CCV1	CCV1	CCV	01/27/25 15:54			OK
11	CCB1	CCB1	CCB	01/27/25 15:55			OK
12	RL Check	RL Check	SAM	01/27/25 15:56			OK
13	LB134432BL	LB134432BL	MB	01/27/25 15:57			OK
14	LB134432BS	LB134432BS	LCS	01/27/25 15:58			OK
15	Q1168-07	LOD-MDL-WATER-01	SAM	01/27/25 15:59			OK
16	Q1168-08	LOQ-WATER-02-QT1	SAM	01/27/25 16:00			OK
17	Q1194-08	EB	SAM	01/27/25 16:01			OK
18	CCV2	CCV2	CCV	01/27/25 16:02			OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134432

Review By	rubina	Review On	1/27/2025 4:57:24 PM
Supervise By	lwona	Supervise On	1/27/2025 4:57:48 PM
SubDirectory	LB134432	Test	Hexavalent Chromium

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP111653,WP111652,WP111650,WP111649,WP111659,WP110380,WP111657,WP111658,WP111651,WP111656,WI

19	CCB2	CCB2	CCB	01/27/25 16:03			OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134452

Review By	rubina	Review On	1/28/2025 12:03:31 PM
Supervise By	Iwona	Supervise On	1/28/2025 12:10:07 PM
SubDirectory	LB134452	Test	Hexavalent Chromium

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP111659,WP110380,WP110381,WP111657,WP111249,WP111658

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	01/28/25 09:30			OK
2	CAL2	CAL2	CAL	01/28/25 09:31			OK
3	CAL3	CAL3	CAL	01/28/25 09:32			OK
4	CAL4	CAL4	CAL	01/28/25 09:33			OK
5	CAL5	CAL5	CAL	01/28/25 09:34			OK
6	CAL6	CAL6	CAL	01/28/25 09:35			OK
7	CAL7	CAL7	CAL	01/28/25 09:36			OK
8	ICV	ICV	ICV	01/28/25 09:37			OK
9	ICB	ICB	ICB	01/28/25 09:38			OK
10	CCV1	CCV1	CCV	01/28/25 09:39			OK
11	CCB1	CCB1	CCB	01/28/25 09:40			OK
12	RL Check	RL Check	SAM	01/28/25 09:41			OK
13	PB166262BL	PB166262BL	MB	01/28/25 09:42			OK
14	PB166262BS	PB166262BS	LCS	01/28/25 09:43			OK
15	Q1168-01	LOD-MDL-SOIL-01-Q	SAM	01/28/25 09:44			OK
16	Q1168-02	LOQ-SOIL-02-QT1-20	SAM	01/28/25 09:45			OK
17	Q1169-01	ARS20-0006	SAM	01/28/25 09:46			OK
18	Q1169-03	REGULATOR-BUILDI	SAM	01/28/25 09:47			OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134452

Review By	rubina	Review On	1/28/2025 12:03:31 PM
Supervise By	Iwona	Supervise On	1/28/2025 12:10:07 PM
SubDirectory	LB134452	Test	Hexavalent Chromium

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP111659,WP110380,WP110381,WP111657,WP111249,WP111658

19	Q1169-05	SPILL-SITE	SAM	01/28/25 09:48			OK
20	Q1194-01	B-110-SB01	SAM	01/28/25 09:49			OK
21	Q1194-02	B-110-SB02	SAM	01/28/25 09:50			OK
22	Q1194-03	B-113-SB01	SAM	01/28/25 09:51			OK
23	CCV2	CCV2	CCV	01/28/25 09:52			OK
24	CCB2	CCB2	CCB	01/28/25 09:53			OK
25	Q1194-03DUP	B-113-SB01DUP	DUP	01/28/25 09:54			OK
26	Q1194-03MSPre	B-113-SB01MS	MS	01/28/25 09:55			OK
27	Q1194-03MS2Ins	B-113-SB01MS	MS	01/28/25 09:56			OK
28	Q1194-03MS3Post	B-113-SB01MS	MS	01/28/25 09:57			OK
29	Q1194-04	B-113-SB02	SAM	01/28/25 09:58			OK
30	CCV3	CCV3	CCV	01/28/25 09:59			OK
31	CCB3	CCB3	CCB	01/28/25 10:00			OK

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LAB CHRONICLE

OrderID:	Q1194	**OrderDate:**	1/27/2025 9:35:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	N41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1194-01	**B-110-SB01**	**SOIL**			**01/25/25 11:33**			**01/27/25**
			Hexavalent Chromium	7196A		01/27/25	01/28/25 09:49	
			Trivalent Chromium	6010D			01/29/25 12:15	
Q1194-02	**B-110-SB02**	**SOIL**			**01/25/25 13:58**			**01/27/25**
			Hexavalent Chromium	7196A		01/27/25	01/28/25 09:50	
			Trivalent Chromium	6010D			01/29/25 12:19	
Q1194-03	**B-113-SB01**	**SOIL**			**01/25/25 11:52**			**01/27/25**
			Hexavalent Chromium	7196A		01/27/25	01/28/25 09:51	
			Trivalent Chromium	6010D			01/29/25 12:23	
Q1194-04	**B-113-SB02**	**SOIL**			**01/25/25 14:44**			**01/27/25**
			Hexavalent Chromium	7196A		01/27/25	01/28/25 09:58	
			Trivalent Chromium	6010D			01/30/25 18:03	
Q1194-08	**EB**	**Water**			**01/25/25 12:00**			**01/27/25**
			trivalent Chromium	6010D			01/28/25 13:22	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

Hexavalent Chromium	7196A	01/27/25 16:01

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB166262

SOP ID : M3060A,7196A-Hex.Chromium-26

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#3

Block ID : WC S-2, WC S-1

Weigh By : RM

Start Digest Date: 01/27/2025 **Time :** 14:25 **Temp :** 90 °C

End Digest Date: 01/27/2025 **Time :** 15:25 **Temp :** 95 °C

1 batch 01/27/2025 15:40 90 C RM
01/27/2025 16:40 95 C

Digestion tube ID : M6054

Filter paper ID : 400213

pH Meter ID : WC pH meter-1

Block Thermometer ID : WC-Block#1

Prep Technician Signature: RM

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
PRE-DIGESTION SPIKE	2.0ML	WP111315
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP111315
LCSS	1.0ML	WP111316
PBS003	50.0ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3152
PHOSPHATE BUFFER	0.5ML	WP110498
HEX. DIGESTION SOLN.	50.0ML	WP111384
5M HNO3	5-7ML	WP110381
5N H2SO4	1-3ML	WP110380
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Vol(ml)	Comment
CAL1	CAL1	2.5ML	W3112
CAL2	CAL2	0.2ML	WP111648
CAL3	CAL3	0.5ML	WP111648
CAL4	CAL4	1ML	WP111648
CAL5	CAL5	0.2ML	WP111315
CAL6	CAL6	1ML	WP111315
CAL7	CAL7	2.0ML	WP111315
ICV	ICV	1ML	WP111316
ICB	ICB	2.5ML	W3112
CCV	CCV	1ML	WP111315
CCB	CCB	2.5ML	W3112

Extraction Conformance/Non-Conformance Comments:

LOD WP111657,LOQ WP111658

01/27/2025 RM

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB166262

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB166262BL	PBS262	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB166262BS	LCS262	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1168-01	LOD-MDL-SOIL-01-QT1-2025	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1168-02	LOQ-SOIL-02-QT1-2025	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1169-01	ARS20-0006	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1169-03	REGULATOR-BUILDING-GRAV EL	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1169-05	SPILL-SITE	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1194-01	B-110-SB01	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1194-02	B-110-SB02	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1194-03	B-113-SB01	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1194-03DUP	B-113-SB01DUP	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1194-03MSPre	B-113-SB01MSPRE	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1194-03MS2Ins	B-113-SB01MS2INS	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1194-03MS3Post	B-113-SB01MS3POST	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1194-04	B-113-SB02	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. Q1194
COC Number 2041522

11
11.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannet Fleming
ADDRESS: 1010 Abrams Ave
CITY Audubon STATE: PA ZIP: 19403
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Replacement of SB
PROJECT NO.: 50000878 LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@bemsys.com
PHONE: 610-310-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Chemtech PO#:
ADDRESS: 284 Sheffield St
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha Beasley PHONE: 908-728-3148

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT BEM EDD

ANALYSIS

1 TCL VOCs +10
2 TCL PAH
3 TAL Metals
4 EDH
5 Cr(III)
6 Cr(VI)
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A	1	2	3	4	5	6	7	8	9	COMMENTS
1.	B-110-SB01	S		X	1/25/25	11:33	7		X	X	X	X	X	Y				
2.	B-110-SB02	S		X	1/25/25	13:58	7		X	X	X	X	X	Y				
3.	B-113-SB01	S		X	1/25/25	11:52	7		X	X	X	X	X	Y				
4.	B-113-SB02	S		X	1/25/25	14:44	7		X	X	X	X	X	Y				
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Dylan C	1-25-25 16:22	1. 1-27-25 0700
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1°C
Comments:

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1194 PORT06
Client Name : Portal Partners Tri-Venture
Client-Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 1/27/2025 9:35:00 AM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 1/27/2025 7:00:00 AM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1194-01	B-110-SB01	Solid	01/25/2025	11:33					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1194-02	B-110-SB02	Solid	01/25/2025	13:58					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1194-03	B-113-SB01	Solid	01/25/2025	11:52					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1194-04	B-113-SB02	Solid	01/25/2025	14:44					
					VOC-TCLVOA-10		8260D		10 Bus. Days
~~Q1194-08~~	EB	~~Water~~	~~01/25/2025~~	~~00:00~~					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1194-09	FB	Water	01/25/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1194-10	TB	Water	01/25/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

1/27/25

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q1194 PORT06	**Order Date :**	1/27/2025 9:35:00 AM	**Project Mgr :**	
Client Name :	Portal Partners Tri-Venture	**Project Name :**	Amtrak Sawtooth Bridges 2	**Report Type :**	NJ Reduced
Client Contact :	Joseph Krupansky	**Receive DateTime :**	1/27/2025 7:00:00 AM	**EDD Type :**	EXCEL NJCLEANUP
Invoice Name :	Portal Partners Tri-Venture	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Joseph Krupansky			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : [signature]
Date / Time : 1/27/25 1120

Received By : [signature]
Date / Time : 01/27/25 11:20
Storage Area : VOA Refridgerator Room

Refg #6
R22
Refg #5