284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : AMSTERDAM

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q1939

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1939

Project ID : Amsterdam

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1939-01	GB1
Q1939-02	GB1B
Q1939-03	GB2
Q1939-04	GB2B
Q1939-05	GB3
Q1939-06	GB3B

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: 5/13/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : G Environmental

Project Location : NJ Project Number : - Amsterdam

Laboratory Sample ID(s) : Q1939 Sampling Date(s) : 05/01/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **6010D,7471B,8260D,8270-Modified,NJEPH**

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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CASE NARRATIVE

G Environmental
Project Name: Amsterdam
Project # N/A
Order ID # Q1939
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 05/01/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH_NF, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

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 VOCMS Group1 was based on method 8260D.

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 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 %RSD is greater than 20% in the Initial Calibration method (82N041525W.M) for Acetone, this compound is passing on Linear Regression.
The %RSD is greater than 20% in the Initial Calibration method (82Y042225S.M) for Acetone, this compound is passing on Linear Regression.

The Continuous Calibration File ID VN086478.D met the requirements except for Bromomethane . But associated samples have not positive hit for this compound therefore no corrective action was taken.

The Continuous Calibration File ID VN086504.D met the requirements except for Carbon Disulfide,Cyclohexane and Vinyl Chloride .Affected sample was renalyzed, Orginal and rerun both are reported.

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The Continuous Calibration File ID VN086553.D met the requirements except for Bromomethane,Cyclohexane,Methyl Acetate and Dibromofluoromethane . Affected sample was renalyzed, Orginal and rerun both are reported.

The Tuning criteria met requirements.

Samples GB3B was analyzed straight in MEOH due to Sample has strong odor not allowing low level soil run.

E. Additional Comments:
The Samples GB1, GB2, have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

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

G Environmental
Project Name: Amsterdam
Project # N/A
Order ID : Q1939
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 05/01/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH_NF, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for GB3B [2-Fluorobiphenyl - 13%, Nitrobenzene-d5 - 1732%], these compounds did not meet the NJDKQP criteria and in-house criteria but The failure surrogates not associated with the client parameters list, therefore no corrective action was taken.

The Internal Standards Areas met the acceptable requirements except for GB3B, due to matrix interference and The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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 analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

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E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
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

G Environmental
Project Name: Amsterdam
Project # N/A
Oredr ID# Q1939
Test Name: EPH_NF

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 05/01/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH_NF, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for EPH_NF.

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 analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPH_NFs was based on method NJEPH and extraction was done based on method 3541.

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 .

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

G Environmental
Project Name: Amsterdam
Project # N/A
Order ID# Q1939
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 05/01/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: EPH_NF, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1 and VOCMS Group1. 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). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample GB3 was diluted due to high concentrations for Mercury and Zinc.
The Blank Spike met requirements for all samples.
The Duplicate (OK-01-050125DUP) analysis met criteria for all samples except for Barium, Copper, Lead and Potassium due to sample matrix interference. The Duplicate (OK-01-050125MSD) analysis met criteria for all samples except for Antimony, Copper and Nickel due to Chemical Interference during Digestion Process.
The Matrix Spike (MH-NNMS) analysis met criteria for all samples except for Mercury due to sample matrix interference. The Matrix Spike (OK-01-050125MS) analysis met criteria for all samples except for Antimony due to Chemical Interference during Digestion process.
The Matrix Spike Duplicate (MH-NNMSD) analysis met criteria for all samples except for Mercury due to sample matrix interference. The Matrix Spike Duplicate (OK-01-050125MSD) analysis met criteria for all samples except for Antimony and Copper 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 met the acceptable requirements.

E. Additional Comments:
In analytical sequence LB135674, The % recovery was outside of acceptance limit for Beryllium and Magnesium of CCV06 but, no any samples associated under this CCV.

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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 #: Q1939

	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:** 05/13/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1939

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**GB1**								
Q1939-01	GB1	SOIL	Acetone		5.80	J	3.50	18.4	ug/Kg
Q1939-01	GB1	SOIL	m/p-Xylenes		1.40	J	0.91	7.40	ug/Kg
			Total Voc :		7.20				
Q1939-01	GB1	SOIL	1,2,4-Trimethylbenzene	*	0.85	J	0.47	3.70	ug/Kg
			Total Tics :		0.85				
			Total Concentration:		8.05				
Client ID:	**GB1B**								
Q1939-02	GB1B	SOIL	m/p-Xylenes		1.30	J	1.00	8.10	ug/Kg
			Total Voc :		1.30				
Q1939-02	GB1B	SOIL	1,2,4-Trimethylbenzene	*	1.00	J	0.52	4.10	ug/Kg
			Total Tics :		1.00				
			Total Concentration:		2.30				
Client ID:	**GB2**								
Q1939-03	GB2	SOIL	Methyl Acetate		360	J	140	450	ug/Kg
Q1939-03	GB2	SOIL	Methylcyclohexane		500		81.5	450	ug/Kg
Q1939-03	GB2	SOIL	m/p-Xylenes		120	J	110	900	ug/Kg
			Total Voc :		980				
Q1939-03	GB2	SOIL	Naphthalene, 1-methyl-	*	1200	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Naphthalene, decahydro-	*	1700	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	1500	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Cyclohexane, butyl-	*	1700	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Cyclopentane, butyl-	*	1300	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Heptane, 4-ethyl-	*	1900	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Cyclohexane, 1-ethyl-2-methyl	*	2300	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Nonane, 3-methyl-	*	1800	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	1H-Indene, 2,3-dihydro-4,7-din	*	1700	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Heptane, 3-ethyl-2-methyl-	*	5000	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Undecane, 2,6-dimethyl-	*	2400	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Nonane, 2,6-dimethyl-	*	2000	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Dodecane, 2,6,11-trimethyl-	*	1400	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Benzene, 1,2-dichloro-3-methy	*	1500	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Cyclohexane, (1-methylbutyl)-	*	1300	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	2-Chlorotoluene	*	870	J	60.9	450	ug/Kg
Q1939-03	GB2	SOIL	4-Chlorotoluene	*	500	J	110	450	ug/Kg
Q1939-03	GB2	SOIL	1,2,4-Trimethylbenzene	*	140	J	57.3	450	ug/Kg
Q1939-03	GB2	SOIL	sec-Butylbenzene	*	110	J	59.1	450	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1939

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1939-03	GB2	SOIL	Ethyl methacrylate	*	140	J	66.3	450	ug/Kg
			Total Tics :		30500				
			Total Concentration:		31400				
Client ID:	**GB2RE**								
Q1939-03RE	GB2RE	SOIL	Methyl Acetate		340	J	140	450	ug/Kg
Q1939-03RE	GB2RE	SOIL	Methylcyclohexane		480		81.5	450	ug/Kg
			Total Voc :		820				
			Total Concentration:		820				
Client ID:	**GB2B**								
Q1939-04	GB2B	SOIL	Methylcyclohexane		1.20	J	0.74	4.10	ug/Kg
Q1939-04	GB2B	SOIL	Chlorobenzene		1.50	J	0.74	4.10	ug/Kg
Q1939-04	GB2B	SOIL	m/p-Xylenes		2.10	J	1.00	8.10	ug/Kg
Q1939-04	GB2B	SOIL	o-Xylene		0.93	J	0.67	4.10	ug/Kg
Q1939-04	GB2B	SOIL	1,4-Dichlorobenzene		3.80	J	1.30	4.10	ug/Kg
			Total Voc :		9.53				
Q1939-04	GB2B	SOIL	Naphthalene, 2-methyl-	*	8.60	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	4.10	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 4-ethyl-1,2-dimethyl-	*	8.50	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 2-butenyl-	*	4.50	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 2-ethyl-1,3-dimethyl-	*	10.3	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	1H-Indene, 2,3-dihydro-4,7-din	*	5.20	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	1H-Indene, 2,3-dihydro-1,2-din	*	5.80	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	1H-Indene, 2,3-dihydro-1,6-din	*	6.50	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 1,2-dichloro-3-methy	*	38.8	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	2-Chlorotoluene	*	58.2	J	0.55	4.10	ug/Kg
Q1939-04	GB2B	SOIL	4-Chlorotoluene	*	38.0	J	0.99	4.10	ug/Kg
Q1939-04	GB2B	SOIL	1,2,4-Trimethylbenzene	*	2.00	J	0.52	4.10	ug/Kg
			Total Tics :		191				
			Total Concentration:		200				
Client ID:	**GB3**								
Q1939-05	GB3	SOIL	m/p-Xylenes		1.50	J	1.10	9.10	ug/Kg
			Total Voc :		1.50				
Q1939-05	GB3	SOIL	1,2,4-Trimethylbenzene	*	0.95	J	0.58	4.50	ug/Kg
			Total Tics :		0.95				
			Total Concentration:		2.45				
Client ID:	**GB3B**								
Q1939-06	GB3B	SOIL	Methylcyclohexane		45400		1500	8000	ug/Kg
Q1939-06	GB3B	SOIL	Isopropylbenzene		7200	J	1200	8000	ug/Kg
			Total Voc :		52600				

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Hit Summary Sheet
SW-846

SDG No.: Q1939

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1939-06	GB3B	SOIL	Naphthalene, decahydro-	*	52900	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	56500	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Hexane, 3-ethyl-	*	60300	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Heptane, 2,6-dimethyl-	*	65400	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Cyclohexane, ethyl-	*	52300	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Cyclohexane, butyl-	*	58500	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Heptane, 2,5-dimethyl-	*	57300	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Cyclohexane, 1,1,3-trimethyl-	*	109000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	1-Ethyl-4-methylcyclohexane	*	77200	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Cyclohexane, 1-methyl-2-propy	*	91000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	1,4-Methanonaphthalene, 1,4-d	*	87600	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	unknown12.365	*	129000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Nonane, 3-methyl-	*	119000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	4-Octen-3-one	*	50800	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	unknown12.588	*	352000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	n-propylbenzene	*	12200	J	1200	8000	ug/Kg
Q1939-06	GB3B	SOIL	tert-Butylbenzene	*	2200	J	1100	8000	ug/Kg
Q1939-06	GB3B	SOIL	sec-Butylbenzene	*	8000	J	1100	8000	ug/Kg
Q1939-06	GB3B	SOIL	n-Butylbenzene	*	3400	J	2300	8000	ug/Kg
			Total Tics :		1440000				
			Total Concentration:		1500000				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1	SDG No.:	Q1939
Lab Sample ID:	Q1939-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.8
Sample Wt/Vol:	8.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022132.D	1		05/02/25 16:24	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	U	0.84	3.70	ug/Kg
74-87-3	Chloromethane	0.84	U	0.84	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	3.70	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	3.70	ug/Kg
75-00-3	Chloroethane	0.93	U	0.93	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.89	U	0.89	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.78	U	0.78	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	3.70	ug/Kg
67-64-1	Acetone	5.80	J	3.50	18.4	ug/Kg
75-15-0	Carbon Disulfide	0.78	U	0.78	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	3.70	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.63	U	0.63	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	3.70	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	18.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.55	U	0.55	3.70	ug/Kg
74-97-5	Bromochloromethane	0.85	U	0.85	3.70	ug/Kg
67-66-3	Chloroform	0.62	U	0.62	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.67	U	0.67	3.70	ug/Kg
71-43-2	Benzene	0.58	U	0.58	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	U	0.58	3.70	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.67	U	0.67	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.57	U	0.57	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.60	U	2.60	18.4	ug/Kg
108-88-3	Toluene	0.57	U	0.57	3.70	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1	SDG No.:	Q1939
Lab Sample ID:	Q1939-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.8
Sample Wt/Vol:	8.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022132.D	1		05/02/25 16:24	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.4	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.65	U	0.65	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	3.70	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	3.70	ug/Kg
179601-23-1	m/p-Xylenes	1.40	J	0.91	7.40	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	3.70	ug/Kg
100-42-5	Styrene	0.52	U	0.52	3.70	ug/Kg
75-25-2	Bromoform	0.63	U	0.63	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.57	U	0.57	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.89	U	0.89	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.30	U	2.30	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.2		70 (63) - 130 (155)	118%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (38) - 130 (136)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	327000	7.707			
540-36-3	1,4-Difluorobenzene	621000	8.609			
3114-55-4	Chlorobenzene-d5	563000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	227000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1	SDG No.:	Q1939
Lab Sample ID:	Q1939-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.8
Sample Wt/Vol:	8.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022132.D	1		05/02/25 16:24	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	0.85	J		13.0	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:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1B	SDG No.:	Q1939
Lab Sample ID:	Q1939-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.3
Sample Wt/Vol:	7.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022133.D	1		05/02/25 16:48	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.92	U	0.92	4.10	ug/Kg
74-87-3	Chloromethane	0.92	U	0.92	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.10	ug/Kg
74-83-9	Bromomethane	0.87	U	0.87	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.98	U	0.98	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.81	U	0.81	4.10	ug/Kg
67-64-1	Acetone	3.80	U	3.80	20.3	ug/Kg
75-15-0	Carbon Disulfide	0.86	U	0.86	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.10	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
110-82-7	Cyclohexane	0.64	U	0.64	4.10	ug/Kg
78-93-3	2-Butanone	5.30	U	5.30	20.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	4.10	ug/Kg
74-97-5	Bromochloromethane	0.93	U	0.93	4.10	ug/Kg
67-66-3	Chloroform	0.68	U	0.68	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.75	U	0.75	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.74	U	0.74	4.10	ug/Kg
71-43-2	Benzene	0.64	U	0.64	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	0.64	4.10	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.74	U	0.74	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.63	U	0.63	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.3	ug/Kg
108-88-3	Toluene	0.63	U	0.63	4.10	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1B	SDG No.:	Q1939
Lab Sample ID:	Q1939-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.3
Sample Wt/Vol:	7.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022133.D	1		05/02/25 16:48	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.75	U	0.75	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.3	ug/Kg
124-48-1	Dibromochloromethane	0.70	U	0.70	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.71	U	0.71	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.85	U	0.85	4.10	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.30	J	1.00	8.10	ug/Kg
95-47-6	o-Xylene	0.66	U	0.66	4.10	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.10	ug/Kg
75-25-2	Bromoform	0.70	U	0.70	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.63	U	0.63	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.98	U	0.98	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		70 (38) - 130 (136)	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	319000	7.707			
540-36-3	1,4-Difluorobenzene	597000	8.609			
3114-55-4	Chlorobenzene-d5	540000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	221000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1B	SDG No.:	Q1939
Lab Sample ID:	Q1939-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.3
Sample Wt/Vol:	7.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022133.D	1		05/02/25 16:48	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	1.00	J		13.0	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:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2	SDG No.:	Q1939
Lab Sample ID:	Q1939-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086517.D	1		05/06/25 16:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	100	U	100	450	ug/Kg
74-87-3	Chloromethane	100	U	100	450	ug/Kg
75-01-4	Vinyl Chloride	70.7	U	70.7	450	ug/Kg
74-83-9	Bromomethane	95.8	U	95.8	450	ug/Kg
75-00-3	Chloroethane	110	U	110	450	ug/Kg
75-69-4	Trichlorofluoromethane	110	U	110	450	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	94.9	U	94.9	450	ug/Kg
75-35-4	1,1-Dichloroethene	89.5	U	89.5	450	ug/Kg
67-64-1	Acetone	420	U	420	2200	ug/Kg
75-15-0	Carbon Disulfide	94.9	U	94.9	450	ug/Kg
1634-04-4	Methyl tert-butyl Ether	65.4	U	65.4	450	ug/Kg
79-20-9	Methyl Acetate	360	J	140	450	ug/Kg
75-09-2	Methylene Chloride	320	U	320	900	ug/Kg
156-60-5	trans-1,2-Dichloroethene	77.0	U	77.0	450	ug/Kg
75-34-3	1,1-Dichloroethane	71.6	U	71.6	450	ug/Kg
110-82-7	Cyclohexane	70.7	U	70.7	450	ug/Kg
78-93-3	2-Butanone	590	U	590	2200	ug/Kg
56-23-5	Carbon Tetrachloride	86.8	U	86.8	450	ug/Kg
156-59-2	cis-1,2-Dichloroethene	67.1	U	67.1	450	ug/Kg
74-97-5	Bromochloromethane	100	U	100	450	ug/Kg
67-66-3	Chloroform	75.2	U	75.2	450	ug/Kg
71-55-6	1,1,1-Trichloroethane	83.3	U	83.3	450	ug/Kg
108-87-2	Methylcyclohexane	500		81.5	450	ug/Kg
71-43-2	Benzene	70.7	U	70.7	450	ug/Kg
107-06-2	1,2-Dichloroethane	70.7	U	70.7	450	ug/Kg
79-01-6	Trichloroethene	72.5	U	72.5	450	ug/Kg
78-87-5	1,2-Dichloropropane	81.5	U	81.5	450	ug/Kg
75-27-4	Bromodichloromethane	69.8	U	69.8	450	ug/Kg
108-10-1	4-Methyl-2-Pentanone	320	U	320	2200	ug/Kg
108-88-3	Toluene	69.8	U	69.8	450	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2	SDG No.:	Q1939
Lab Sample ID:	Q1939-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086517.D	1		05/06/25 16:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	58.2	U	58.2	450	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	55.5	U	55.5	450	ug/Kg
79-00-5	1,1,2-Trichloroethane	82.4	U	82.4	450	ug/Kg
591-78-6	2-Hexanone	330	U	330	2200	ug/Kg
124-48-1	Dibromochloromethane	77.9	U	77.9	450	ug/Kg
106-93-4	1,2-Dibromoethane	78.8	U	78.8	450	ug/Kg
127-18-4	Tetrachloroethene	94.0	U	94.0	450	ug/Kg
108-90-7	Chlorobenzene	81.5	U	81.5	450	ug/Kg
100-41-4	Ethyl Benzene	60.0	U	60.0	450	ug/Kg
179601-23-1	m/p-Xylenes	120	J	110	900	ug/Kg
95-47-6	o-Xylene	73.4	U	73.4	450	ug/Kg
100-42-5	Styrene	63.6	U	63.6	450	ug/Kg
75-25-2	Bromoform	77.0	U	77.0	450	ug/Kg
98-82-8	Isopropylbenzene	69.8	U	69.8	450	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	110	U	110	450	ug/Kg
541-73-1	1,3-Dichlorobenzene	150	U	150	450	ug/Kg
106-46-7	1,4-Dichlorobenzene	140	U	140	450	ug/Kg
95-50-1	1,2-Dichlorobenzene	130	U	130	450	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	160	U	160	450	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	450	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	280	U	280	450	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.2		70 (63) - 130 (155)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	56.9		70 (70) - 130 (134)	114%	SPK: 50
2037-26-5	Toluene-d8	52.1		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		70 (38) - 130 (136)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	146000	8.218			
540-36-3	1,4-Difluorobenzene	276000	9.094			
3114-55-4	Chlorobenzene-d5	271000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.788			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2	SDG No.:	Q1939
Lab Sample ID:	Q1939-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086517.D	1		05/06/25 16:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
97-63-2	Ethyl methacrylate	140	J		10.9	ug/Kg
004923-78-8	Cyclohexane, 1-ethyl-2-methyl-, tr	2300	J		12.4	ug/Kg
005911-04-6	Nonane, 3-methyl-	1800	J		12.5	ug/Kg
014676-29-0	Heptane, 3-ethyl-2-methyl-	5000	J		12.6	ug/Kg
002216-32-2	Heptane, 4-ethyl-	1900	J		12.7	ug/Kg
002040-95-1	Cyclopentane, butyl-	1300	J		13.0	ug/Kg
95-49-8	2-Chlorotoluene	870	J		13.1	ug/Kg
106-43-4	4-Chlorotoluene	500	J		13.2	ug/Kg
017302-28-2	Nonane, 2,6-dimethyl-	2000	J		13.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	140	J		13.5	ug/Kg
135-98-8	sec-Butylbenzene	110	J		13.6	ug/Kg
001678-93-9	Cyclohexane, butyl-	1700	J		13.7	ug/Kg
000091-17-8	Naphthalene, decahydro-	1700	J		14.1	ug/Kg
061208-94-4	Cyclohexane, (1-methylbutyl)-	1300	J		14.6	ug/Kg
032768-54-0	Benzene, 1,2-dichloro-3-methyl-	1500	J		14.8	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	1500	J		15.0	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	2400	J		15.1	ug/Kg
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	1700	J		15.9	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	1400	J		16.6	ug/Kg
000090-12-0	Naphthalene, 1-methyl-	1200	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:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2RE	SDG No.:	Q1939
Lab Sample ID:	Q1939-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086558.D	1		05/09/25 13:31	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	100	U	100	450	ug/Kg
74-87-3	Chloromethane	100	U	100	450	ug/Kg
75-01-4	Vinyl Chloride	70.7	U	70.7	450	ug/Kg
74-83-9	Bromomethane	95.8	U	95.8	450	ug/Kg
75-00-3	Chloroethane	110	U	110	450	ug/Kg
75-69-4	Trichlorofluoromethane	110	U	110	450	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	94.9	U	94.9	450	ug/Kg
75-35-4	1,1-Dichloroethene	89.5	U	89.5	450	ug/Kg
67-64-1	Acetone	420	U	420	2200	ug/Kg
75-15-0	Carbon Disulfide	94.9	U	94.9	450	ug/Kg
1634-04-4	Methyl tert-butyl Ether	65.4	U	65.4	450	ug/Kg
79-20-9	Methyl Acetate	340	J	140	450	ug/Kg
75-09-2	Methylene Chloride	320	U	320	900	ug/Kg
156-60-5	trans-1,2-Dichloroethene	77.0	U	77.0	450	ug/Kg
75-34-3	1,1-Dichloroethane	71.6	U	71.6	450	ug/Kg
110-82-7	Cyclohexane	70.7	U	70.7	450	ug/Kg
78-93-3	2-Butanone	590	U	590	2200	ug/Kg
56-23-5	Carbon Tetrachloride	86.8	U	86.8	450	ug/Kg
156-59-2	cis-1,2-Dichloroethene	67.1	U	67.1	450	ug/Kg
74-97-5	Bromochloromethane	100	U	100	450	ug/Kg
67-66-3	Chloroform	75.2	U	75.2	450	ug/Kg
71-55-6	1,1,1-Trichloroethane	83.3	U	83.3	450	ug/Kg
108-87-2	Methylcyclohexane	480		81.5	450	ug/Kg
71-43-2	Benzene	70.7	U	70.7	450	ug/Kg
107-06-2	1,2-Dichloroethane	70.7	U	70.7	450	ug/Kg
79-01-6	Trichloroethene	72.5	U	72.5	450	ug/Kg
78-87-5	1,2-Dichloropropane	81.5	U	81.5	450	ug/Kg
75-27-4	Bromodichloromethane	69.8	U	69.8	450	ug/Kg
108-10-1	4-Methyl-2-Pentanone	320	U	320	2200	ug/Kg
108-88-3	Toluene	69.8	U	69.8	450	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2RE	SDG No.:	Q1939
Lab Sample ID:	Q1939-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086558.D	1		05/09/25 13:31	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	58.2	U	58.2	450	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	55.5	U	55.5	450	ug/Kg
79-00-5	1,1,2-Trichloroethane	82.4	U	82.4	450	ug/Kg
591-78-6	2-Hexanone	330	U	330	2200	ug/Kg
124-48-1	Dibromochloromethane	77.9	U	77.9	450	ug/Kg
106-93-4	1,2-Dibromoethane	78.8	U	78.8	450	ug/Kg
127-18-4	Tetrachloroethene	94.0	U	94.0	450	ug/Kg
108-90-7	Chlorobenzene	81.5	U	81.5	450	ug/Kg
100-41-4	Ethyl Benzene	60.0	U	60.0	450	ug/Kg
179601-23-1	m/p-Xylenes	110	U	110	900	ug/Kg
95-47-6	o-Xylene	73.4	U	73.4	450	ug/Kg
100-42-5	Styrene	63.6	U	63.6	450	ug/Kg
75-25-2	Bromoform	77.0	U	77.0	450	ug/Kg
98-82-8	Isopropylbenzene	69.8	U	69.8	450	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	110	U	110	450	ug/Kg
541-73-1	1,3-Dichlorobenzene	150	U	150	450	ug/Kg
106-46-7	1,4-Dichlorobenzene	140	U	140	450	ug/Kg
95-50-1	1,2-Dichlorobenzene	130	U	130	450	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	160	U	160	450	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	450	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	280	U	280	450	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		70 (63) - 130 (155)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	62.8		70 (70) - 130 (134)	126%	SPK: 50
2037-26-5	Toluene-d8	52.1		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (38) - 130 (136)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	160000	8.218			
540-36-3	1,4-Difluorobenzene	300000	9.094			
3114-55-4	Chlorobenzene-d5	290000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2RE	SDG No.:	Q1939
Lab Sample ID:	Q1939-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086558.D	1		05/09/25 13:31	VN050925

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:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2B	SDG No.:	Q1939
Lab Sample ID:	Q1939-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.4
Sample Wt/Vol:	7.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022134.D	1		05/02/25 17:11	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.93	U	0.93	4.10	ug/Kg
74-87-3	Chloromethane	0.93	U	0.93	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.10	ug/Kg
74-83-9	Bromomethane	0.87	U	0.87	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.98	U	0.98	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.81	U	0.81	4.10	ug/Kg
67-64-1	Acetone	3.80	U	3.80	20.3	ug/Kg
75-15-0	Carbon Disulfide	0.86	U	0.86	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
110-82-7	Cyclohexane	0.64	U	0.64	4.10	ug/Kg
78-93-3	2-Butanone	5.30	U	5.30	20.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	4.10	ug/Kg
74-97-5	Bromochloromethane	0.93	U	0.93	4.10	ug/Kg
67-66-3	Chloroform	0.68	U	0.68	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
108-87-2	Methylcyclohexane	1.20	J	0.74	4.10	ug/Kg
71-43-2	Benzene	0.64	U	0.64	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	0.64	4.10	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.74	U	0.74	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.63	U	0.63	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.3	ug/Kg
108-88-3	Toluene	0.63	U	0.63	4.10	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2B	SDG No.:	Q1939
Lab Sample ID:	Q1939-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.4
Sample Wt/Vol:	7.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022134.D	1		05/02/25 17:11	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.75	U	0.75	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.3	ug/Kg
124-48-1	Dibromochloromethane	0.71	U	0.71	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.71	U	0.71	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.85	U	0.85	4.10	ug/Kg
108-90-7	Chlorobenzene	1.50	J	0.74	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.10	ug/Kg
179601-23-1	m/p-Xylenes	2.10	J	1.00	8.10	ug/Kg
95-47-6	o-Xylene	0.93	J	0.67	4.10	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.10	ug/Kg
75-25-2	Bromoform	0.70	U	0.70	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.63	U	0.63	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.98	U	0.98	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.80	J	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		70 (38) - 130 (136)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	337000	7.707			
540-36-3	1,4-Difluorobenzene	634000	8.609			
3114-55-4	Chlorobenzene-d5	584000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	245000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2B	SDG No.:	Q1939
Lab Sample ID:	Q1939-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.4
Sample Wt/Vol:	7.21 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022134.D	1		05/02/25 17:11	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-49-8	2-Chlorotoluene	58.2	J		12.7	ug/Kg
106-43-4	4-Chlorotoluene	38.0	J		12.8	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2.00	J		13.0	ug/Kg
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	8.50	J		13.9	ug/Kg
001560-06-1	Benzene, 2-butenyl-	4.50	J		14.0	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	4.10	J		14.2	ug/Kg
032768-54-0	Benzene, 1,2-dichloro-3-methyl-	38.8	J		14.4	ug/Kg
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	10.3	J		14.6	ug/Kg
017057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethy	5.80	J		14.9	ug/Kg
017059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethy	6.50	J		15.0	ug/Kg
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	5.20	J		15.6	ug/Kg
000091-57-6	Naphthalene, 2-methyl-	8.60	J		16.4	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3	SDG No.:	Q1939
Lab Sample ID:	Q1939-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.6
Sample Wt/Vol:	6.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022135.D	1		05/02/25 17:35	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.50	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.50	ug/Kg
75-01-4	Vinyl Chloride	0.72	U	0.72	4.50	ug/Kg
74-83-9	Bromomethane	0.97	U	0.97	4.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	4.50	ug/Kg
67-64-1	Acetone	4.30	U	4.30	22.7	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.50	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.50	ug/Kg
75-09-2	Methylene Chloride	3.20	U	3.20	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.73	U	0.73	4.50	ug/Kg
110-82-7	Cyclohexane	0.72	U	0.72	4.50	ug/Kg
78-93-3	2-Butanone	5.90	U	5.90	22.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.88	U	0.88	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	4.50	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.50	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.85	U	0.85	4.50	ug/Kg
108-87-2	Methylcyclohexane	0.83	U	0.83	4.50	ug/Kg
71-43-2	Benzene	0.72	U	0.72	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	4.50	ug/Kg
79-01-6	Trichloroethene	0.74	U	0.74	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.83	U	0.83	4.50	ug/Kg
75-27-4	Bromodichloromethane	0.71	U	0.71	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	22.7	ug/Kg
108-88-3	Toluene	0.71	U	0.71	4.50	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3	SDG No.:	Q1939
Lab Sample ID:	Q1939-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.6
Sample Wt/Vol:	6.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022135.D	1		05/02/25 17:35	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	4.50	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	22.7	ug/Kg
124-48-1	Dibromochloromethane	0.79	U	0.79	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.80	U	0.80	4.50	ug/Kg
127-18-4	Tetrachloroethene	0.95	U	0.95	4.50	ug/Kg
108-90-7	Chlorobenzene	0.83	U	0.83	4.50	ug/Kg
100-41-4	Ethyl Benzene	0.61	U	0.61	4.50	ug/Kg
179601-23-1	m/p-Xylenes	1.50	J	1.10	9.10	ug/Kg
95-47-6	o-Xylene	0.75	U	0.75	4.50	ug/Kg
100-42-5	Styrene	0.65	U	0.65	4.50	ug/Kg
75-25-2	Bromoform	0.78	U	0.78	4.50	ug/Kg
98-82-8	Isopropylbenzene	0.71	U	0.71	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.70	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.90	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	48.4		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		70 (38) - 130 (136)	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	359000	7.707			
540-36-3	1,4-Difluorobenzene	672000	8.61			
3114-55-4	Chlorobenzene-d5	604000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	246000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3	SDG No.:	Q1939
Lab Sample ID:	Q1939-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.6
Sample Wt/Vol:	6.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022135.D	1		05/02/25 17:35	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	0.95	J		13.0	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:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3B	SDG No.:	Q1939
Lab Sample ID:	Q1939-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086500.D	20		05/05/25 20:50	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800	U	1800	8000	ug/Kg
74-87-3	Chloromethane	1800	U	1800	8000	ug/Kg
75-01-4	Vinyl Chloride	1300	U	1300	8000	ug/Kg
74-83-9	Bromomethane	1700	U	1700	8000	ug/Kg
75-00-3	Chloroethane	2000	U	2000	8000	ug/Kg
75-69-4	Trichlorofluoromethane	1900	U	1900	8000	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1700	U	1700	8000	ug/Kg
75-35-4	1,1-Dichloroethene	1600	U	1600	8000	ug/Kg
67-64-1	Acetone	7600	U	7600	40000	ug/Kg
75-15-0	Carbon Disulfide	1700	U	1700	8000	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1200	U	1200	8000	ug/Kg
79-20-9	Methyl Acetate	2500	U	2500	8000	ug/Kg
75-09-2	Methylene Chloride	5600	U	5600	16000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1400	U	1400	8000	ug/Kg
75-34-3	1,1-Dichloroethane	1300	U	1300	8000	ug/Kg
110-82-7	Cyclohexane	1300	U	1300	8000	ug/Kg
78-93-3	2-Butanone	10500	U	10500	40000	ug/Kg
56-23-5	Carbon Tetrachloride	1600	U	1600	8000	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1200	U	1200	8000	ug/Kg
74-97-5	Bromochloromethane	1800	U	1800	8000	ug/Kg
67-66-3	Chloroform	1300	U	1300	8000	ug/Kg
71-55-6	1,1,1-Trichloroethane	1500	U	1500	8000	ug/Kg
108-87-2	Methylcyclohexane	45400		1500	8000	ug/Kg
71-43-2	Benzene	1300	U	1300	8000	ug/Kg
107-06-2	1,2-Dichloroethane	1300	U	1300	8000	ug/Kg
79-01-6	Trichloroethene	1300	U	1300	8000	ug/Kg
78-87-5	1,2-Dichloropropane	1500	U	1500	8000	ug/Kg
75-27-4	Bromodichloromethane	1200	U	1200	8000	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5700	U	5700	40000	ug/Kg
108-88-3	Toluene	1200	U	1200	8000	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3B	SDG No.:	Q1939
Lab Sample ID:	Q1939-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086500.D	20		05/05/25 20:50	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1000	U	1000	8000	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	990	U	990	8000	ug/Kg
79-00-5	1,1,2-Trichloroethane	1500	U	1500	8000	ug/Kg
591-78-6	2-Hexanone	5900	U	5900	40000	ug/Kg
124-48-1	Dibromochloromethane	1400	U	1400	8000	ug/Kg
106-93-4	1,2-Dibromoethane	1400	U	1400	8000	ug/Kg
127-18-4	Tetrachloroethene	1700	U	1700	8000	ug/Kg
108-90-7	Chlorobenzene	1500	U	1500	8000	ug/Kg
100-41-4	Ethyl Benzene	1100	U	1100	8000	ug/Kg
179601-23-1	m/p-Xylenes	2000	U	2000	16000	ug/Kg
95-47-6	o-Xylene	1300	U	1300	8000	ug/Kg
100-42-5	Styrene	1100	U	1100	8000	ug/Kg
75-25-2	Bromoform	1400	U	1400	8000	ug/Kg
98-82-8	Isopropylbenzene	7200	J	1200	8000	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1900	U	1900	8000	ug/Kg
541-73-1	1,3-Dichlorobenzene	2700	U	2700	8000	ug/Kg
106-46-7	1,4-Dichlorobenzene	2500	U	2500	8000	ug/Kg
95-50-1	1,2-Dichlorobenzene	2300	U	2300	8000	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2900	U	2900	8000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4700	U	4700	8000	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5100	U	5100	8000	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.8		70 (63) - 130 (155)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	59.3		70 (70) - 130 (134)	119%	SPK: 50
2037-26-5	Toluene-d8	54.9		70 (74) - 130 (123)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		70 (38) - 130 (136)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	8.224			
540-36-3	1,4-Difluorobenzene	330000	9.1			
3114-55-4	Chlorobenzene-d5	317000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	153000	13.788			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3B	SDG No.:	Q1939
Lab Sample ID:	Q1939-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086500.D	20		05/05/25 20:50	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001072-05-5	Heptane, 2,6-dimethyl-	65400	J		11.2	ug/Kg
002216-30-0	Heptane, 2,5-dimethyl-	57300	J		11.3	ug/Kg
001678-91-7	Cyclohexane, ethyl-	52300	J		11.4	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	109000	J		11.5	ug/Kg
000619-99-8	Hexane, 3-ethyl-	60300	J		11.6	ug/Kg
003728-56-1	1-Ethyl-4-methylcyclohexane	77200	J		12.1	ug/Kg
014129-48-7	4-Octen-3-one	50800	J		12.1	ug/Kg
004926-78-7	unknown12.365	129000	J		12.4	ug/Kg
005911-04-6	Nonane, 3-methyl-	119000	J		12.5	ug/Kg
014676-29-0	unknown12.588	352000	J		12.6	ug/Kg
103-65-1	n-propylbenzene	12200	J		13.0	ug/Kg
004291-79-6	Cyclohexane, 1-methyl-2-propyl-	91000	J		13.2	ug/Kg
98-06-6	tert-Butylbenzene	2200	J		13.4	ug/Kg
135-98-8	sec-Butylbenzene	8000	J		13.6	ug/Kg
001678-93-9	Cyclohexane, butyl-	58500	J		13.7	ug/Kg
104-51-8	n-Butylbenzene	3400	J		14.1	ug/Kg
000091-17-8	Naphthalene, decahydro-	52900	J		14.1	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	56500	J		15.0	ug/Kg
004453-90-1	1,4-Methanonaphthalene, 1,4-dihydro-	87600	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

QC SUMMARY

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

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1939-01	GB1	1,2-Dichloroethane-d4	50	59.2	118	70 (63)	130 (155)
		Dibromofluoromethane	50	51.9	104	70 (70)	130 (134)
		Toluene-d8	50	48.3	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.0	90	70 (38)	130 (136)
Q1939-02	GB1B	1,2-Dichloroethane-d4	50	55.1	110	70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101	70 (70)	130 (134)
		Toluene-d8	50	48.7	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	44.4	89	70 (38)	130 (136)
Q1939-03	GB2	1,2-Dichloroethane-d4	50	48.2	96	70 (63)	130 (155)
		Dibromofluoromethane	50	56.9	114	70 (70)	130 (134)
		Toluene-d8	50	52.1	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.9	100	70 (38)	130 (136)
Q1939-03RE	GB2RE	1,2-Dichloroethane-d4	50	47.7	95	70 (63)	130 (155)
		Dibromofluoromethane	50	62.8	126	70 (70)	130 (134)
		Toluene-d8	50	52.1	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.5	103	70 (38)	130 (136)
Q1939-04	GB2B	1,2-Dichloroethane-d4	50	55.1	110	70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101	70 (70)	130 (134)
		Toluene-d8	50	48.9	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.2	92	70 (38)	130 (136)
Q1939-05	GB3	1,2-Dichloroethane-d4	50	53.2	106	70 (63)	130 (155)
		Dibromofluoromethane	50	49.6	99	70 (70)	130 (134)
		Toluene-d8	50	48.4	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	44.6	89	70 (38)	130 (136)
Q1939-06	GB3B	1,2-Dichloroethane-d4	50	46.8	94	70 (63)	130 (155)
		Dibromofluoromethane	50	59.3	119	70 (70)	130 (134)
		Toluene-d8	50	54.9	110	70 (74)	130 (123)
		4-Bromofluorobenzene	50	56.3	113	70 (38)	130 (136)
VN0505MBL01	VN0505MBL01	1,2-Dichloroethane-d4	50	48.4	97	70 (63)	130 (155)
		Dibromofluoromethane	50	60.5	121	70 (70)	130 (134)
		Toluene-d8	50	51.1	102	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.6	97	70 (38)	130 (136)
VN0505MBS01	VN0505MBS01	1,2-Dichloroethane-d4	50	51.5	103	70 (63)	130 (155)
		Dibromofluoromethane	50	57.3	115	70 (70)	130 (134)
		Toluene-d8	50	50.8	102	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.3	103	70 (38)	130 (136)
VN0506MBL01	VN0506MBL01	1,2-Dichloroethane-d4	50	46.9	94	70 (63)	130 (155)
		Dibromofluoromethane	50	60.6	121	70 (70)	130 (134)
		Toluene-d8	50	50.7	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.7	97	70 (38)	130 (136)
VN0506MBS01	VN0506MBS01	1,2-Dichloroethane-d4	50	48.6	97	70 (63)	130 (155)
		Dibromofluoromethane	50	57.7	115	70 (70)	130 (134)
		Toluene-d8	50	50.2	100	70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.2	94	70 (38)	130 (136)
VN0509MBL01	VN0509MBL01	1,2-Dichloroethane-d4	50	48.7	97	70 (63)	130 (155)
		Dibromofluoromethane	50	63.5	127	70 (70)	130 (134)
		Toluene-d8	50	50.6	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.5	97	70 (38)	130 (136)
VN0509MBS02	VN0509MBS02	1,2-Dichloroethane-d4	50	47.1	94	70 (63)	130 (155)
		Dibromofluoromethane	50	61.3	123	70 (70)	130 (134)

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Surrogate Summary

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN0509MBS02	VN0509MBS02	Toluene-d8	50	47.0	94	70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.6	95	70 (38)	130 (136)
VY0502SBL01	VY0502SBL01	1,2-Dichloroethane-d4	50	49.0	98	70 (63)	130 (155)
		Dibromofluoromethane	50	48.7	97	70 (70)	130 (134)
		Toluene-d8	50	47.0	94	70 (74)	130 (123)
		4-Bromofluorobenzene	50	56.8	113	70 (38)	130 (136)
VY0502SBS01	VY0502SBS01	1,2-Dichloroethane-d4	50	50.9	102	70 (63)	130 (155)
		Dibromofluoromethane	50	49.0	98	70 (70)	130 (134)
		Toluene-d8	50	48.6	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.5	101	70 (38)	130 (136)
VY0502SBSD01	VY0502SBSD01	1,2-Dichloroethane-d4	50	52.0	104	70 (63)	130 (155)
		Dibromofluoromethane	50	50.4	101	70 (70)	130 (134)
		Toluene-d8	50	49.7	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.3	103	70 (38)	130 (136)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086491.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0505MBS01	Dichlorodifluoromethane	2000	2200	ug/Kg	110			40 (64)	160 (136)	
	Chloromethane	2000	2000	ug/Kg	100			40 (70)	160 (130)	
	Vinyl chloride	2000	2000	ug/Kg	100			70 (72)	130 (129)	
	Bromomethane	2000	2400	ug/Kg	120			40 (58)	160 (141)	
	Chloroethane	2000	1900	ug/Kg	95			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	2100	ug/Kg	105			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	2100	ug/Kg	105			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1900	ug/Kg	95			70 (79)	130 (121)	
	Acetone	10000	10000	ug/Kg	100			40 (60)	160 (131)	
	Carbon disulfide	2000	1700	ug/Kg	85			40 (45)	160 (154)	
	Methyl tert-butyl Ether	2000	1900	ug/Kg	95			70 (77)	130 (129)	
	Methyl Acetate	2000	1700	ug/Kg	85			70 (69)	130 (149)	
	Methylene Chloride	2000	2000	ug/Kg	100			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	2000	2000	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1900	ug/Kg	95			70 (82)	130 (123)	
	Cyclohexane	2000	1800	ug/Kg	90			70 (76)	130 (122)	
	2-Butanone	10000	9000	ug/Kg	90			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	2000	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	2000	ug/Kg	100			70 (82)	130 (123)	
	Bromochloromethane	2000	1900	ug/Kg	95			70 (80)	130 (127)	
	Chloroform	2000	2000	ug/Kg	100			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	2000	ug/Kg	100			70 (80)	130 (126)	
	Methylcyclohexane	2000	1900	ug/Kg	95			70 (77)	130 (123)	
	Benzene	2000	2000	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	2000	ug/Kg	100			70 (81)	130 (126)	
	Trichloroethene	2000	2100	ug/Kg	105			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	Bromodichloromethane	2000	2100	ug/Kg	105			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	9400	ug/Kg	94			40 (70)	160 (135)	
	Toluene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1900	ug/Kg	95			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1900	ug/Kg	95			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	2100	ug/Kg	105			70 (82)	130 (125)	
	2-Hexanone	10000	9500	ug/Kg	95			40 (66)	160 (138)	
	Dibromochloromethane	2000	2100	ug/Kg	105			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	2100	ug/Kg	105			70 (80)	130 (125)	
	Tetrachloroethene	2000	2100	ug/Kg	105			70 (83)	130 (125)	
	Chlorobenzene	2000	2000	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	2000	2100	ug/Kg	105			70 (82)	130 (124)	
	m/p-Xylenes	4000	4100	ug/Kg	103			70 (83)	130 (124)	
	o-Xylene	2000	2000	ug/Kg	100			70 (83)	130 (123)	
	Styrene	2000	2000	ug/Kg	100			70 (82)	130 (124)	
	Bromoform	2000	2000	ug/Kg	100			70 (75)	130 (127)	
	Isopropylbenzene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	2000	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	2000	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	2000	ug/Kg	100			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086491.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0505MBS01	1,2-Dibromo-3-Chloropropane	2000	1800	ug/Kg	90			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1900	ug/Kg	95			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1900	ug/Kg	95			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086515.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0506MBS01	Dichlorodifluoromethane	2000	1700	ug/Kg	85			40 (64)	160 (136)	
	Chloromethane	2000	1500	ug/Kg	75			40 (70)	160 (130)	
	Vinyl chloride	2000	1600	ug/Kg	80			70 (72)	130 (129)	
	Bromomethane	2000	2100	ug/Kg	105			40 (58)	160 (141)	
	Chloroethane	2000	1600	ug/Kg	80			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	1900	ug/Kg	95			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	1900	ug/Kg	95			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1700	ug/Kg	85			70 (79)	130 (121)	
	Acetone	10000	8700	ug/Kg	87			40 (60)	160 (131)	
	Carbon disulfide	2000	1500	ug/Kg	75			40 (45)	160 (154)	
	Methyl tert-butyl Ether	2000	1700	ug/Kg	85			70 (77)	130 (129)	
	Methyl Acetate	2000	1600	ug/Kg	80			70 (69)	130 (149)	
	Methylene Chloride	2000	1800	ug/Kg	90			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1700	ug/Kg	85			70 (82)	130 (123)	
	Cyclohexane	2000	1600	ug/Kg	80			70 (76)	130 (122)	
	2-Butanone	10000	8000	ug/Kg	80			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	2000	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	1800	ug/Kg	90			70 (80)	130 (127)	
	Chloroform	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1900	ug/Kg	95			70 (80)	130 (126)	
	Methylcyclohexane	2000	1700	ug/Kg	85			70 (77)	130 (123)	
	Benzene	2000	1800	ug/Kg	90			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	1900	ug/Kg	95			70 (81)	130 (126)	
	Trichloroethene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1700	ug/Kg	85			70 (83)	130 (122)	
	Bromodichloromethane	2000	1900	ug/Kg	95			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	8800	ug/Kg	88			40 (70)	160 (135)	
	Toluene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1700	ug/Kg	85			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	1900	ug/Kg	95			70 (82)	130 (125)	
	2-Hexanone	10000	8700	ug/Kg	87			40 (66)	160 (138)	
	Dibromochloromethane	2000	1900	ug/Kg	95			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	2000	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	2000	2000	ug/Kg	100			70 (83)	130 (125)	
	Chlorobenzene	2000	1900	ug/Kg	95			70 (84)	130 (122)	
	Ethyl Benzene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	m/p-Xylenes	4000	3800	ug/Kg	95			70 (83)	130 (124)	
	o-Xylene	2000	2000	ug/Kg	100			70 (83)	130 (123)	
	Styrene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	Bromoform	2000	1900	ug/Kg	95			70 (75)	130 (127)	
	Isopropylbenzene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	2000	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	2000	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	2000	ug/Kg	100			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086515.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0506MBS01	1,2-Dibromo-3-Chloropropane	2000	1800	ug/Kg	90			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1900	ug/Kg	95			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	2000	ug/Kg	100			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086557.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0509MBS02	Dichlorodifluoromethane	2000	1900	ug/Kg	95			40 (64)	160 (136)	
	Chloromethane	2000	1700	ug/Kg	85			40 (70)	160 (130)	
	Vinyl chloride	2000	1700	ug/Kg	85			70 (72)	130 (129)	
	Bromomethane	2000	2300	ug/Kg	115			40 (58)	160 (141)	
	Chloroethane	2000	1700	ug/Kg	85			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	1800	ug/Kg	90			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	1900	ug/Kg	95			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1700	ug/Kg	85			70 (79)	130 (121)	
	Acetone	10000	8800	ug/Kg	88			40 (60)	160 (131)	
	Carbon disulfide	2000	1600	ug/Kg	80			40 (45)	160 (154)	
	Methyl tert-butyl Ether	2000	1800	ug/Kg	90			70 (77)	130 (129)	
	Methyl Acetate	2000	1400	ug/Kg	70			70 (69)	130 (149)	
	Methylene Chloride	2000	1900	ug/Kg	95			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1700	ug/Kg	85			70 (82)	130 (123)	
	Cyclohexane	2000	1600	ug/Kg	80			70 (76)	130 (122)	
	2-Butanone	10000	8300	ug/Kg	83			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	2000	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	1900	ug/Kg	95			70 (80)	130 (127)	
	Chloroform	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1800	ug/Kg	90			70 (80)	130 (126)	
	Methylcyclohexane	2000	1800	ug/Kg	90			70 (77)	130 (123)	
	Benzene	2000	1900	ug/Kg	95			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	2000	ug/Kg	100			70 (81)	130 (126)	
	Trichloroethene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	Bromodichloromethane	2000	1900	ug/Kg	95			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	8800	ug/Kg	88			40 (70)	160 (135)	
	Toluene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1900	ug/Kg	95			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	2000	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	10000	8700	ug/Kg	87			40 (66)	160 (138)	
	Dibromochloromethane	2000	2000	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	2000	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	2000	1900	ug/Kg	95			70 (83)	130 (125)	
	Chlorobenzene	2000	2000	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	m/p-Xylenes	4000	3800	ug/Kg	95			70 (83)	130 (124)	
	o-Xylene	2000	1900	ug/Kg	95			70 (83)	130 (123)	
	Styrene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	Bromoform	2000	1900	ug/Kg	95			70 (75)	130 (127)	
	Isopropylbenzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	1900	ug/Kg	95			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	1900	ug/Kg	95			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	1900	ug/Kg	95			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086557.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0509MBS02	1,2-Dibromo-3-Chloropropane	2000	1700	ug/Kg	85			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1900	ug/Kg	95			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1900	ug/Kg	95			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022121.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0502SBS01	Dichlorodifluoromethane	20	19.2	ug/Kg	96			40 (64)	160 (136)	
	Chloromethane	20	18.9	ug/Kg	95			40 (70)	160 (130)	
	Vinyl chloride	20	19.1	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	21.5	ug/Kg	108			40 (58)	160 (141)	
	Chloroethane	20	19.8	ug/Kg	99			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.7	ug/Kg	104			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (131)	
	Carbon disulfide	20	18.9	ug/Kg	95			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	21.5	ug/Kg	108			70 (77)	130 (129)	
	Methyl Acetate	20	22.0	ug/Kg	110			70 (69)	130 (149)	
	Methylene Chloride	20	22.0	ug/Kg	110			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	20.0	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.4	ug/Kg	102			70 (82)	130 (123)	
	Cyclohexane	20	19.4	ug/Kg	97			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.3	ug/Kg	102			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.0	ug/Kg	105			70 (82)	130 (123)	
	Bromochloromethane	20	19.6	ug/Kg	98			70 (80)	130 (127)	
	Chloroform	20	20.9	ug/Kg	104			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			70 (80)	130 (126)	
	Methylcyclohexane	20	19.3	ug/Kg	97			70 (77)	130 (123)	
	Benzene	20	19.9	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.8	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	Bromodichloromethane	20	20.5	ug/Kg	103			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.5	ug/Kg	103			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	20.4	ug/Kg	102			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.6	ug/Kg	103			70 (80)	130 (125)	
	Tetrachloroethene	20	21.0	ug/Kg	105			70 (83)	130 (125)	
	Chlorobenzene	20	20.1	ug/Kg	101			70 (84)	130 (122)	
	Ethyl Benzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	m/p-Xylenes	40	40.7	ug/Kg	102			70 (83)	130 (124)	
	o-Xylene	20	20.6	ug/Kg	103			70 (83)	130 (123)	
	Styrene	20	20.3	ug/Kg	102			70 (82)	130 (124)	
	Bromoform	20	20.1	ug/Kg	101			70 (75)	130 (127)	
	Isopropylbenzene	20	20.9	ug/Kg	104			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.2	ug/Kg	101			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.1	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022121.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0502SBS01	1,2-Dibromo-3-Chloropropane	20	20.8	ug/Kg	104			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.7	ug/Kg	99			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022122.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0502SBSD01	Dichlorodifluoromethane	20	20.0	ug/Kg	100	4		40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.9	ug/Kg	95	0		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	19.0	ug/Kg	95	1		70 (72)	130 (129)	30 (20)
	Bromomethane	20	19.6	ug/Kg	98	10		40 (58)	160 (141)	30 (20)
	Chloroethane	20	18.8	ug/Kg	94	5		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	20.4	ug/Kg	102	2		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.5	ug/Kg	103	2		70 (79)	130 (121)	30 (20)
	Acetone	100	100	ug/Kg	100	10		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	19.3	ug/Kg	97	2		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	21.7	ug/Kg	109	1		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	22.5	ug/Kg	113	3		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	22.5	ug/Kg	113	3		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102	2		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.8	ug/Kg	104	2		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.9	ug/Kg	100	3		70 (76)	130 (122)	30 (20)
	2-Butanone	100	100	ug/Kg	100	0		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.7	ug/Kg	104	2		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.3	ug/Kg	106	1		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	19.0	ug/Kg	95	3		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.0	ug/Kg	105	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108	2		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.9	ug/Kg	100	3		70 (77)	130 (123)	30 (20)
	Benzene	20	20.3	ug/Kg	102	2		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.9	ug/Kg	104	0		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.5	ug/Kg	103	0		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	19.5	ug/Kg	98	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.0	ug/Kg	105	2		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	0		40 (70)	160 (135)	30 (20)
	Toluene	20	20.7	ug/Kg	104	3		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103	0		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	1		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104	1		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.8	ug/Kg	104	2		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.7	ug/Kg	104	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	21.4	ug/Kg	107	2		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.7	ug/Kg	104	3		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.5	ug/Kg	103	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	42.0	ug/Kg	105	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	21.1	ug/Kg	106	3		70 (83)	130 (123)	30 (20)
	Styrene	20	20.9	ug/Kg	104	2		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.3	ug/Kg	102	1		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	21.1	ug/Kg	106	2		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.5	ug/Kg	103	3		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104	3		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103	2		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.4	ug/Kg	102	3		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022122.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0502SBSD01	1,2-Dibromo-3-Chloropropane	20	21.1	ug/Kg	106	2		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.6	ug/Kg	103	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.9	ug/Kg	104	5		70 (70)	130 (137)	30 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0505MBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086479.D Lab Sample ID: VN0505MBL01

Date Analyzed: 05/05/2025 Time Analyzed: 12:13

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
VN0505MBS01	VN0505MBS01	VN086491.D	05/05/2025
GB3B	Q1939-06	VN086500.D	05/05/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0506MBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086505.D Lab Sample ID: VN0506MBL01

Date Analyzed: 05/06/2025 Time Analyzed: 11:11

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
VN0506MBS01	VN0506MBS01	VN086515.D	05/06/2025
GB2	Q1939-03	VN086517.D	05/06/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0509MBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086554.D Lab Sample ID: VN0509MBL01

Date Analyzed: 05/09/2025 Time Analyzed: 11:34

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
VN0509MBS02	VN0509MBS02	VN086557.D	05/09/2025
GB2RE	Q1939-03RE	VN086558.D	05/09/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0502SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VY022120.D Lab Sample ID: VY0502SBL01

Date Analyzed: 05/02/2025 Time Analyzed: 11:25

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
VY0502SBS01	VY0502SBS01	VY022121.D	05/02/2025
VY0502SBSD01	VY0502SBSD01	VY022122.D	05/02/2025
GB1	Q1939-01	VY022132.D	05/02/2025
GB1B	Q1939-02	VY022133.D	05/02/2025
GB2B	Q1939-04	VY022134.D	05/02/2025
GB3	Q1939-05	VY022135.D	05/02/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086276.D BFB Injection Date: 04/15/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:47

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	19.6
75	30.0 - 60.0% of mass 95	50.8
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	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.6 (95.5) 1
177	5.0 - 9.0% of mass 176	4.4 (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
VSTDICC001	VSTDICC001	VN086277.D	04/15/2025	11:29
VSTDICC005	VSTDICC005	VN086278.D	04/15/2025	12:21
VSTDICC010	VSTDICC010	VN086279.D	04/15/2025	12:45
VSTDICC020	VSTDICC020	VN086280.D	04/15/2025	13:09
VSTDICCC050	VSTDICCC050	VN086281.D	04/15/2025	13:51
VSTDICC100	VSTDICC100	VN086282.D	04/15/2025	14:29

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086477.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:23

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	19.8
75	30.0 - 60.0% of mass 95	53.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	74
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	70.3 (95) 1
177	5.0 - 9.0% of mass 176	4.8 (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	VN086478.D	05/05/2025	11:32
VN0505MBL01	VN0505MBL01	VN086479.D	05/05/2025	12:13
VN0505MBS01	VN0505MBS01	VN086491.D	05/05/2025	17:13
GB3B	Q1939-06	VN086500.D	05/05/2025	20:50

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086503.D BFB Injection Date: 05/06/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:13

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	19
75	30.0 - 60.0% of mass 95	51.3
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	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5 (6.8) 1
176	95.0 - 101.0% of mass 174	71.8 (97.3) 1
177	5.0 - 9.0% of mass 176	4.6 (6.3) 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	VN086504.D	05/06/2025	10:35
VN0506MBL01	VN0506MBL01	VN086505.D	05/06/2025	11:11
VN0506MBS01	VN0506MBS01	VN086515.D	05/06/2025	15:23
GB2	Q1939-03	VN086517.D	05/06/2025	16:11

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086552.D BFB Injection Date: 05/09/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:49

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	19
75	30.0 - 60.0% of mass 95	49.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71.5
175	5.0 - 9.0% of mass 174	5.6 (7.9) 1
176	95.0 - 101.0% of mass 174	69.4 (97.1) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 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	VN086553.D	05/09/2025	11:00
VN0509MBL01	VN0509MBL01	VN086554.D	05/09/2025	11:34
VN0509MBS02	VN0509MBS02	VN086557.D	05/09/2025	12:57
GB2RE	Q1939-03RE	VN086558.D	05/09/2025	13:31

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VY021952.D BFB Injection Date: 04/22/2025

Instrument ID: MSVOA_Y BFB Injection Time: 11:33

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	16.9
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	6.5
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (6.4) 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
VSTDICC005	VSTDICC005	VY021953.D	04/22/2025	13:39
VSTDICC010	VSTDICC010	VY021954.D	04/22/2025	14:44
VSTDICC020	VSTDICC020	VY021955.D	04/22/2025	15:07
VSTDICCC050	VSTDICCC050	VY021956.D	04/22/2025	15:29
VSTDICC100	VSTDICC100	VY021957.D	04/22/2025	15:52
VSTDICC150	VSTDICC150	VY021958.D	04/22/2025	16:15

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VY022118.D BFB Injection Date: 05/02/2025

Instrument ID: MSVOA_Y BFB Injection Time: 10:26

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	16.2
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.2 (1.3) 1
174	50.0 - 100.0% of mass 95	86.6
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	83 (95.8) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 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	VY022119.D	05/02/2025	10:56
VY0502SBL01	VY0502SBL01	VY022120.D	05/02/2025	11:25
VY0502SBS01	VY0502SBS01	VY022121.D	05/02/2025	11:53
VY0502SBSD01	VY0502SBSD01	VY022122.D	05/02/2025	12:16
GB1	Q1939-01	VY022132.D	05/02/2025	16:24
GB1B	Q1939-02	VY022133.D	05/02/2025	16:48
GB2B	Q1939-04	VY022134.D	05/02/2025	17:11
GB3	Q1939-05	VY022135.D	05/02/2025	17:35

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086478.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

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	154484	8.22	297307	9.10	276417	11.87
UPPER LIMIT	308968	8.718	594614	9.6	552834	12.365
LOWER LIMIT	77242	7.718	148654	8.6	138209	11.365
EPA SAMPLE NO.						
GB3B	176014	8.22	330285	9.10	317139	11.87
VN0505MBL01	156968	8.22	298822	9.10	277824	11.87
VN0505MBS01	174392	8.22	323563	9.10	294006	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086478.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

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

	IS4 AREA #	RT #				
12 HOUR STD	133852	13.788				
UPPER LIMIT	267704	14.288				
LOWER LIMIT	66926	13.288				
EPA SAMPLE NO.						
GB3B	153312	13.79				
VN0505MBL01	117072	13.79				
VN0505MBS01	137470	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086504.D Date Analyzed: 05/06/2025

Instrument ID: MSVOA_N Time Analyzed: 10:35

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	186971	8.22	338775	9.09	314072	11.86
UPPER LIMIT	373942	8.724	677550	9.594	628144	12.359
LOWER LIMIT	93485.5	7.724	169388	8.594	157036	11.359
EPA SAMPLE NO.						
GB2	146112	8.22	275620	9.09	271043	11.87
VN0506MBL01	194854	8.22	360705	9.10	339328	11.87
VN0506MBS01	186931	8.22	334765	9.10	293306	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086504.D Date Analyzed: 05/06/2025

Instrument ID: MSVOA_N Time Analyzed: 10:35

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

	IS4 AREA #	RT #				
12 HOUR STD	155373	13.788				
UPPER LIMIT	310746	14.288				
LOWER LIMIT	77686.5	13.288				
EPA SAMPLE NO.						
GB2	119869	13.79				
VN0506MBL01	141530	13.79				
VN0506MBS01	131486	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086553.D Date Analyzed: 05/09/2025

Instrument ID: MSVOA_N Time Analyzed: 11:00

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	164970	8.22	308838	9.09	288325	11.87
UPPER LIMIT	329940	8.718	617676	9.594	576650	12.365
LOWER LIMIT	82485	7.718	154419	8.594	144163	11.365
EPA SAMPLE NO.						
GB2RE	160486	8.22	300494	9.09	289880	11.87
VN0509MBL01	161578	8.22	304753	9.10	283891	11.87
VN0509MBS02	176403	8.22	314371	9.10	287142	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086553.D Date Analyzed: 05/09/2025

Instrument ID: MSVOA_N Time Analyzed: 11:00

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

	IS4 AREA #	RT #				
12 HOUR STD	145072	13.788				
UPPER LIMIT	290144	14.288				
LOWER LIMIT	72536	13.288				
EPA SAMPLE NO.						
GB2RE	130900	13.79				
VN0509MBL01	123333	13.79				
VN0509MBS02	130698	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VY022119.D Date Analyzed: 05/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:56

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	360455	7.71	570969	8.62	519282	11.41
UPPER LIMIT	720910	8.207	1141940	9.116	1038560	11.914
LOWER LIMIT	180228	7.207	285485	8.116	259641	10.914
EPA SAMPLE NO.						
GB1	327260	7.71	620890	8.61	562816	11.41
GB1B	318938	7.71	597401	8.61	540276	11.41
GB2B	337342	7.71	633879	8.61	583504	11.41
GB3	358545	7.71	672036	8.61	603590	11.41
VY0502SBL01	420631	7.71	766740	8.62	655107	11.41
VY0502SBS01	354744	7.71	565281	8.62	507664	11.41
VY0502SBSD01	344715	7.71	551563	8.62	493162	11.41

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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VY022119.D Date Analyzed: 05/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:56

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

	IS4 AREA #	RT #				
12 HOUR STD	263357	13.347				
UPPER LIMIT	526714	13.847				
LOWER LIMIT	131679	12.847				
EPA SAMPLE NO.						
GB1	227037	13.35				
GB1B	220532	13.35				
GB2B	245346	13.35				
GB3	245556	13.35				
VY0502SBL01	242655	13.35				
VY0502SBS01	264963	13.35				
VY0502SBSD01	257067	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:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086479.D	1		05/05/25 12:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086479.D	1		05/05/25 12:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	60.5		70 (70) - 130 (134)	121%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		70 (38) - 130 (136)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	157000	8.224			
540-36-3	1,4-Difluorobenzene	299000	9.1			
3114-55-4	Chlorobenzene-d5	278000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	117000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086479.D	1		05/05/25 12:13	VN050525

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:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086505.D	1		05/06/25 11:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086505.D	1		05/06/25 11:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		70 (63) - 130 (155)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	60.6		70 (70) - 130 (134)	121%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		70 (38) - 130 (136)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	8.224			
540-36-3	1,4-Difluorobenzene	361000	9.1			
3114-55-4	Chlorobenzene-d5	339000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086505.D	1		05/06/25 11:11	VN050625

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:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0509MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086554.D	1		05/09/25 11:34	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0509MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086554.D	1		05/09/25 11:34	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	63.4		70 (70) - 130 (134)	127%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		70 (38) - 130 (136)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162000	8.218			
540-36-3	1,4-Difluorobenzene	305000	9.1			
3114-55-4	Chlorobenzene-d5	284000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0509MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086554.D	1		05/09/25 11:34	VN050925

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:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBL01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022120.D	1		05/02/25 11:25	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	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	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBL01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022120.D	1		05/02/25 11:25	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	47.0		70 (74) - 130 (123)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.7		70 (38) - 130 (136)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	421000	7.707			
540-36-3	1,4-Difluorobenzene	767000	8.616			
3114-55-4	Chlorobenzene-d5	655000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	243000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBL01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022120.D	1		05/02/25 11:25	VY050225

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:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086491.D	1		05/05/25 17:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2200		110	500	ug/Kg
74-87-3	Chloromethane	2000		110	500	ug/Kg
75-01-4	Vinyl Chloride	2000		79.0	500	ug/Kg
74-83-9	Bromomethane	2400		110	500	ug/Kg
75-00-3	Chloroethane	1900		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	2100		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2100		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1900		100	500	ug/Kg
67-64-1	Acetone	10000		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1700		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1900		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1700		150	500	ug/Kg
75-09-2	Methylene Chloride	2000		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2000		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1900		80.0	500	ug/Kg
110-82-7	Cyclohexane	1800		79.0	500	ug/Kg
78-93-3	2-Butanone	9000		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2000		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2000		75.0	500	ug/Kg
74-97-5	Bromochloromethane	1900		120	500	ug/Kg
67-66-3	Chloroform	2000		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	2000		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1900		91.0	500	ug/Kg
71-43-2	Benzene	2000		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	2000		79.0	500	ug/Kg
79-01-6	Trichloroethene	2100		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1900		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	2100		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9400		360	2500	ug/Kg
108-88-3	Toluene	2000		78.0	500	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086491.D	1		05/05/25 17:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1900		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1900		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	2100		92.0	500	ug/Kg
591-78-6	2-Hexanone	9500		370	2500	ug/Kg
124-48-1	Dibromochloromethane	2100		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2100		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	2100		110	500	ug/Kg
108-90-7	Chlorobenzene	2000		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	2100		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	4100		120	1000	ug/Kg
95-47-6	o-Xylene	2000		82.0	500	ug/Kg
100-42-5	Styrene	2000		71.0	500	ug/Kg
75-25-2	Bromoform	2000		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1900		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2000		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	2000		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	2000		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1800		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1900		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		70 (63) - 130 (155)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	57.3		70 (70) - 130 (134)	115%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (38) - 130 (136)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	8.224			
540-36-3	1,4-Difluorobenzene	324000	9.1			
3114-55-4	Chlorobenzene-d5	294000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086491.D	1		05/05/25 17:13	VN050525

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:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086515.D	1		05/06/25 15:23	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1700		110	500	ug/Kg
74-87-3	Chloromethane	1500		110	500	ug/Kg
75-01-4	Vinyl Chloride	1600		79.0	500	ug/Kg
74-83-9	Bromomethane	2100		110	500	ug/Kg
75-00-3	Chloroethane	1600		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1900		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1900		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1700		100	500	ug/Kg
67-64-1	Acetone	8700		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1500		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1700		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1600		150	500	ug/Kg
75-09-2	Methylene Chloride	1800		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1800		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1700		80.0	500	ug/Kg
110-82-7	Cyclohexane	1600		79.0	500	ug/Kg
78-93-3	2-Butanone	8000		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2000		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1800		75.0	500	ug/Kg
74-97-5	Bromochloromethane	1800		120	500	ug/Kg
67-66-3	Chloroform	1800		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1900		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1700		91.0	500	ug/Kg
71-43-2	Benzene	1800		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	1900		79.0	500	ug/Kg
79-01-6	Trichloroethene	2000		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1700		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1900		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8800		360	2500	ug/Kg
108-88-3	Toluene	1900		78.0	500	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086515.D	1		05/06/25 15:23	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1800		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1700		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	1900		92.0	500	ug/Kg
591-78-6	2-Hexanone	8700		370	2500	ug/Kg
124-48-1	Dibromochloromethane	1900		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2000		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	2000		110	500	ug/Kg
108-90-7	Chlorobenzene	1900		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1900		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3800		120	1000	ug/Kg
95-47-6	o-Xylene	2000		82.0	500	ug/Kg
100-42-5	Styrene	1900		71.0	500	ug/Kg
75-25-2	Bromoform	1900		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1900		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2000		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	2000		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	2000		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1800		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2000		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	57.7		70 (70) - 130 (134)	115%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		70 (38) - 130 (136)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	8.224			
540-36-3	1,4-Difluorobenzene	335000	9.1			
3114-55-4	Chlorobenzene-d5	293000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086515.D	1		05/06/25 15:23	VN050625

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:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBS02	SDG No.:	Q1939
Lab Sample ID:	VN0509MBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086557.D	1		05/09/25 12:57	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1900		110	500	ug/Kg
74-87-3	Chloromethane	1700		110	500	ug/Kg
75-01-4	Vinyl Chloride	1700		79.0	500	ug/Kg
74-83-9	Bromomethane	2300		110	500	ug/Kg
75-00-3	Chloroethane	1700		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1800		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1900		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1700		100	500	ug/Kg
67-64-1	Acetone	8800		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1600		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1800		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1400		150	500	ug/Kg
75-09-2	Methylene Chloride	1900		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1800		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1700		80.0	500	ug/Kg
110-82-7	Cyclohexane	1600		79.0	500	ug/Kg
78-93-3	2-Butanone	8300		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2000		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1800		75.0	500	ug/Kg
74-97-5	Bromochloromethane	1900		120	500	ug/Kg
67-66-3	Chloroform	1800		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1800		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1800		91.0	500	ug/Kg
71-43-2	Benzene	1900		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	2000		79.0	500	ug/Kg
79-01-6	Trichloroethene	2000		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1800		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1900		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8800		360	2500	ug/Kg
108-88-3	Toluene	1900		78.0	500	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBS02	SDG No.:	Q1939
Lab Sample ID:	VN0509MBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086557.D	1		05/09/25 12:57	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1900		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1800		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	2000		92.0	500	ug/Kg
591-78-6	2-Hexanone	8700		370	2500	ug/Kg
124-48-1	Dibromochloromethane	2000		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2000		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1900		110	500	ug/Kg
108-90-7	Chlorobenzene	2000		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1800		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3800		120	1000	ug/Kg
95-47-6	o-Xylene	1900		82.0	500	ug/Kg
100-42-5	Styrene	1900		71.0	500	ug/Kg
75-25-2	Bromoform	1900		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1800		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1900		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1900		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1900		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1700		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1900		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.1		70 (63) - 130 (155)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	61.3		70 (70) - 130 (134)	123%	SPK: 50
2037-26-5	Toluene-d8	47.0		70 (74) - 130 (123)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		70 (38) - 130 (136)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	8.224			
540-36-3	1,4-Difluorobenzene	314000	9.1			
3114-55-4	Chlorobenzene-d5	287000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBS02	SDG No.:	Q1939
Lab Sample ID:	VN0509MBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086557.D	1		05/09/25 12:57	VN050925

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:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBS01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022121.D	1		05/02/25 11:53	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.2		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.2		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.5		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.4		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.3		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.0		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.6		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.3		0.91	5.00	ug/Kg
71-43-2	Benzene	19.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBS01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022121.D	1		05/02/25 11:53	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.5		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.5		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.4		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.0		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.7		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.6		0.82	5.00	ug/Kg
100-42-5	Styrene	20.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.2		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.1		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		70 (63) - 130 (155)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 (70) - 130 (134)	98%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (38) - 130 (136)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	355000	7.707			
540-36-3	1,4-Difluorobenzene	565000	8.616			
3114-55-4	Chlorobenzene-d5	508000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	265000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBS01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022121.D	1		05/02/25 11:53	VY050225

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:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBSD01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022122.D	1		05/02/25 12:16	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	18.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.7		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.9		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.3		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.9		0.91	5.00	ug/Kg
71-43-2	Benzene	20.3		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.7		0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBSD01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022122.D	1		05/02/25 12:16	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.5		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.7		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.4		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.1		0.82	5.00	ug/Kg
100-42-5	Styrene	20.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.4		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (38) - 130 (136)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	345000	7.707			
540-36-3	1,4-Difluorobenzene	552000	8.616			
3114-55-4	Chlorobenzene-d5	493000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	257000	13.347			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBSD01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022122.D	1		05/02/25 12:16	VY050225

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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

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

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.606	0.561	0.582	0.624	0.591	0.593	0.593	3.6
Chloromethane	1.113	0.904	0.783	0.819	0.754	0.795	0.861	15.5
Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.4
Bromomethane		0.383	0.370	0.395	0.356	0.344	0.370	5.5
Chloroethane	0.650	0.580	0.519	0.543	0.500	0.509	0.550	10.3
Trichlorofluoromethane	0.988	0.951	0.859	0.927	0.863	0.875	0.911	5.9
1,1,2-Trichlorotrifluoroethane	0.577	0.581	0.522	0.567	0.526	0.532	0.551	4.9
1,1-Dichloroethene	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.6
Acetone	0.423	0.284	0.252	0.283	0.251	0.247	0.290	23.2
Carbon Disulfide	2.325	1.864	1.602	1.721	1.558	1.503	1.762	17.3
Methyl tert-butyl Ether	2.478	2.266	2.013	2.199	2.010	2.014	2.163	8.8
Methyl Acetate	1.024	0.912	0.819	0.864	0.781	0.822	0.870	10
Methylene Chloride	0.782	0.707	0.616	0.670	0.619	0.629	0.670	9.7
trans-1,2-Dichloroethene	0.703	0.656	0.557	0.620	0.575	0.580	0.615	9.1
1,1-Dichloroethane	1.315	1.274	1.122	1.206	1.136	1.152	1.201	6.6
Cyclohexane		1.439	1.140	1.169	1.066	1.062	1.175	13.1
2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.7
Carbon Tetrachloride	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.9
cis-1,2-Dichloroethene	0.882	0.810	0.694	0.764	0.714	0.720	0.764	9.3
Bromochloromethane	0.545	0.608	0.436	0.465	0.495	0.506	0.509	12
Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.3
1,1,1-Trichloroethane	1.095	1.083	0.953	1.026	0.949	0.949	1.009	6.8
Methylcyclohexane	0.611	0.579	0.513	0.549	0.524	0.531	0.551	6.8
Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.8
1,2-Dichloroethane	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.1
Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.8
1,2-Dichloropropane	0.378	0.383	0.355	0.368	0.349	0.347	0.364	4.2
Bromodichloromethane	0.531	0.530	0.477	0.510	0.475	0.477	0.500	5.4
4-Methyl-2-Pentanone	0.522	0.522	0.479	0.521	0.484	0.471	0.500	4.9
Toluene	1.003	0.963	0.865	0.941	0.892	0.895	0.927	5.6

* 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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

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

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.576	0.574	0.528	0.572	0.547	0.554	0.558	3.4
cis-1,3-Dichloropropene	0.679	0.636	0.580	0.621	0.577	0.587	0.613	6.5
1,1,2-Trichloroethane	0.367	0.357	0.315	0.332	0.318	0.313	0.333	6.9
2-Hexanone	0.394	0.387	0.355	0.383	0.355	0.349	0.371	5.3
Dibromochloromethane	0.377	0.381	0.354	0.375	0.353	0.356	0.366	3.5
1,2-Dibromoethane	0.359	0.342	0.319	0.350	0.324	0.323	0.336	4.9
Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.8
Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.8
Ethyl Benzene	2.210	2.112	1.873	2.028	1.918	1.941	2.014	6.4
m/p-Xylenes	0.809	0.795	0.705	0.757	0.727	0.734	0.754	5.4
o-Xylene	0.791	0.792	0.709	0.753	0.713	0.718	0.746	5.2
Styrene	1.306	1.288	1.156	1.245	1.218	1.246	1.243	4.3
Bromoform	0.306	0.294	0.258	0.279	0.261	0.264	0.277	7
Isopropylbenzene	4.666	4.271	3.991	4.181	3.728	3.706	4.090	8.9
1,1,2,2-Tetrachloroethane	1.347	1.294	1.181	1.212	1.035	0.985	1.176	12.1
1,3-Dichlorobenzene	1.866	1.822	1.618	1.698	1.610	1.608	1.704	6.7
1,4-Dichlorobenzene	1.942	1.815	1.615	1.713	1.614	1.597	1.716	8
1,2-Dichlorobenzene	1.819	1.820	1.565	1.646	1.559	1.502	1.652	8.4
1,2-Dibromo-3-Chloropropane	0.234	0.274	0.229	0.251	0.222	0.213	0.237	9.2
1,2,4-Trichlorobenzene	0.822	0.865	0.730	0.793	0.765	0.771	0.791	6
1,2,3-Trichlorobenzene	0.819	0.810	0.697	0.749	0.708	0.709	0.749	7.2
1,2-Dichloroethane-d4		0.746	0.745	0.707	0.719	0.708	0.725	2.6
Dibromofluoromethane		0.267	0.255	0.230	0.215	0.194	0.232	12.8
Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.8
4-Bromofluorobenzene		0.459	0.456	0.421	0.459	0.467	0.452	4

* 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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

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

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.7
Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.2
Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.1
Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.3
Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.6
Trichlorofluoromethane	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.9
1,1,2-Trichlorotrifluoroethane	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.8
1,1-Dichloroethene	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5
Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.7
Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.7
Methyl tert-butyl Ether	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.6
Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.2
Methylene Chloride	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.7
trans-1,2-Dichloroethene	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.3
1,1-Dichloroethane	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.9
Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.6
2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.5
Carbon Tetrachloride	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.9
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1
Bromochloromethane	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.2
Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.2
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8
Methylcyclohexane	0.525	0.569	0.519	0.549	0.600	0.589	0.558	6
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
1,2-Dichloroethane	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.3
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3
1,2-Dichloropropane	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.4
Bromodichloromethane	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.1
4-Methyl-2-Pentanone	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.9
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4

* 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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

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

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.7
cis-1,3-Dichloropropene	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.3
1,1,2-Trichloroethane	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.8
2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.5
Dibromochloromethane	0.345	0.355	0.354	0.352	0.367	0.357	0.355	2
1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.3
Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.6
Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.5
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3
Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.2
Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.5
Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.2
1,1,2,2-Tetrachloroethane	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.4
1,3-Dichlorobenzene	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.5
1,4-Dichlorobenzene	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.7
1,2-Dichlorobenzene	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.8
1,2-Dibromo-3-Chloropropane	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.9
1,2,4-Trichlorobenzene	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.1
1,2,3-Trichlorobenzene	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.2
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8

* 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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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.593	0.536		-9.61	20
Chloromethane	0.861	0.805	0.1	-6.5	20
Vinyl Chloride	0.822	0.759		-7.66	20
Bromomethane	0.370	0.461		24.59	20
Chloroethane	0.550	0.523		-4.91	20
Trichlorofluoromethane	0.911	0.869		-4.61	20
1,1,2-Trichlorotrifluoroethane	0.551	0.537		-2.54	20
1,1-Dichloroethene	0.588	0.557		-5.27	20
Acetone	0.290	0.278		-4.14	20
Carbon Disulfide	1.762	1.533		-13	20
Methyl tert-butyl Ether	2.163	2.360		9.11	20
Methyl Acetate	0.870	0.830		-4.6	20
Methylene Chloride	0.670	0.729		8.81	20
trans-1,2-Dichloroethene	0.615	0.632		2.76	20
1,1-Dichloroethane	1.201	1.259	0.1	4.83	20
Cyclohexane	1.175	0.999		-14.98	20
2-Butanone	0.451	0.469		3.99	20
Carbon Tetrachloride	0.441	0.442		0.23	20
cis-1,2-Dichloroethene	0.764	0.829		8.51	20
Bromochloromethane	0.509	0.533		4.72	20
Chloroform	1.180	1.306		10.68	20
1,1,1-Trichloroethane	1.009	1.049		3.96	20
Methylcyclohexane	0.551	0.492		-10.71	20
Benzene	1.485	1.541		3.77	20
1,2-Dichloroethane	0.474	0.533		12.45	20
Trichloroethene	0.352	0.372		5.68	20
1,2-Dichloropropane	0.364	0.382		4.95	20
Bromodichloromethane	0.500	0.559		11.8	20
4-Methyl-2-Pentanone	0.500	0.527		5.4	20
Toluene	0.927	0.979		5.61	20
t-1,3-Dichloropropene	0.558	0.627		12.37	20
cis-1,3-Dichloropropene	0.613	0.648		5.71	20
1,1,2-Trichloroethane	0.333	0.382		14.72	20
2-Hexanone	0.371	0.388		4.58	20
Dibromochloromethane	0.366	0.426		16.39	20
1,2-Dibromoethane	0.336	0.394		17.26	20
Tetrachloroethene	0.385	0.386		0.26	20
Chlorobenzene	1.116	1.173	0.3	5.11	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.014	1.999		-0.75	20
m/p-Xylenes	0.754	0.772		2.39	20
o-Xylene	0.746	0.767		2.82	20
Styrene	1.243	1.334		7.32	20
Bromoform	0.277	0.312	0.1	12.64	20
Isopropylbenzene	4.090	3.762		-8.02	20
1,1,2,2-Tetrachloroethane	1.176	1.187	0.3	0.94	20
1,3-Dichlorobenzene	1.704	1.787		4.87	20
1,4-Dichlorobenzene	1.716	1.810		5.48	20
1,2-Dichlorobenzene	1.652	1.755		6.24	20
1,2-Dibromo-3-Chloropropane	0.237	0.233		-1.69	20
1,2,4-Trichlorobenzene	0.791	0.848		7.21	20
1,2,3-Trichlorobenzene	0.749	0.800		6.81	20
1,2-Dichloroethane-d4	0.725	0.817		12.69	20
Dibromofluoromethane	0.232	0.264		13.79	20
Toluene-d8	1.240	1.280		3.23	20
4-Bromofluorobenzene	0.452	0.478		5.75	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/06/2025 10:35

Lab File ID: VN086504.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.593	0.516		-12.98	20
Chloromethane	0.861	0.689	0.1	-19.98	20
Vinyl Chloride	0.822	0.657		-20.07	20
Bromomethane	0.370	0.402		8.65	20
Chloroethane	0.550	0.451		-18	20
Trichlorofluoromethane	0.911	0.858		-5.82	20
1,1,2-Trichlorotrifluoroethane	0.551	0.522		-5.26	20
1,1-Dichloroethene	0.588	0.522		-11.22	20
Acetone	0.290	0.245		-15.52	20
Carbon Disulfide	1.762	1.369		-22.3	20
Methyl tert-butyl Ether	2.163	2.165		0.09	20
Methyl Acetate	0.870	0.727		-16.44	20
Methylene Chloride	0.670	0.662		-1.19	20
trans-1,2-Dichloroethene	0.615	0.591		-3.9	20
1,1-Dichloroethane	1.201	1.115	0.1	-7.16	20
Cyclohexane	1.175	0.920		-21.7	20
2-Butanone	0.451	0.405		-10.2	20
Carbon Tetrachloride	0.441	0.447		1.36	20
cis-1,2-Dichloroethene	0.764	0.771		0.92	20
Bromochloromethane	0.509	0.438		-13.95	20
Chloroform	1.180	1.187		0.59	20
1,1,1-Trichloroethane	1.009	0.973		-3.57	20
Methylcyclohexane	0.551	0.494		-10.35	20
Benzene	1.485	1.462		-1.55	20
1,2-Dichloroethane	0.474	0.511		7.81	20
Trichloroethene	0.352	0.379		7.67	20
1,2-Dichloropropane	0.364	0.360		-1.1	20
Bromodichloromethane	0.500	0.542		8.4	20
4-Methyl-2-Pentanone	0.500	0.480		-4	20
Toluene	0.927	0.953		2.81	20
t-1,3-Dichloropropene	0.558	0.591		5.91	20
cis-1,3-Dichloropropene	0.613	0.628		2.45	20
1,1,2-Trichloroethane	0.333	0.362		8.71	20
2-Hexanone	0.371	0.352		-5.12	20
Dibromochloromethane	0.366	0.419		14.48	20
1,2-Dibromoethane	0.336	0.376		11.9	20
Tetrachloroethene	0.385	0.415		7.79	20
Chlorobenzene	1.116	1.152	0.3	3.23	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/06/2025 10:35

Lab File ID: VN086504.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.014	1.981		-1.64	20
m/p-Xylenes	0.754	0.762		1.06	20
o-Xylene	0.746	0.762		2.14	20
Styrene	1.243	1.312		5.55	20
Bromoform	0.277	0.306	0.1	10.47	20
Isopropylbenzene	4.090	3.729		-8.83	20
1,1,2,2-Tetrachloroethane	1.176	1.085	0.3	-7.74	20
1,3-Dichlorobenzene	1.704	1.774		4.11	20
1,4-Dichlorobenzene	1.716	1.798		4.78	20
1,2-Dichlorobenzene	1.652	1.724		4.36	20
1,2-Dibromo-3-Chloropropane	0.237	0.214		-9.7	20
1,2,4-Trichlorobenzene	0.791	0.816		3.16	20
1,2,3-Trichlorobenzene	0.749	0.767		2.4	20
1,2-Dichloroethane-d4	0.725	0.698		-3.72	20
Dibromofluoromethane	0.232	0.250		7.76	20
Toluene-d8	1.240	1.178		-5	20
4-Bromofluorobenzene	0.452	0.460		1.77	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/09/2025 11:00

Lab File ID: VN086553.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.593	0.554		-6.58	20
Chloromethane	0.861	0.818	0.1	-4.99	20
Vinyl Chloride	0.822	0.720		-12.41	20
Bromomethane	0.370	0.458		23.78	20
Chloroethane	0.550	0.502		-8.73	20
Trichlorofluoromethane	0.911	0.850		-6.7	20
1,1,2-Trichlorotrifluoroethane	0.551	0.499		-9.44	20
1,1-Dichloroethene	0.588	0.531		-9.69	20
Acetone	0.290	0.255		-12.07	20
Carbon Disulfide	1.762	1.520		-13.73	20
Methyl tert-butyl Ether	2.163	2.212		2.27	20
Methyl Acetate	0.870	0.693		-20.34	20
Methylene Chloride	0.670	0.700		4.48	20
trans-1,2-Dichloroethene	0.615	0.619		0.65	20
1,1-Dichloroethane	1.201	1.188	0.1	-1.08	20
Cyclohexane	1.175	0.915		-22.13	20
2-Butanone	0.451	0.421		-6.65	20
Carbon Tetrachloride	0.441	0.427		-3.17	20
cis-1,2-Dichloroethene	0.764	0.788		3.14	20
Bromochloromethane	0.509	0.572		12.38	20
Chloroform	1.180	1.227		3.98	20
1,1,1-Trichloroethane	1.009	0.980		-2.87	20
Methylcyclohexane	0.551	0.458		-16.88	20
Benzene	1.485	1.483		-0.14	20
1,2-Dichloroethane	0.474	0.505		6.54	20
Trichloroethene	0.352	0.355		0.85	20
1,2-Dichloropropane	0.364	0.364		0	20
Bromodichloromethane	0.500	0.535		7	20
4-Methyl-2-Pentanone	0.500	0.476		-4.8	20
Toluene	0.927	0.941		1.51	20
t-1,3-Dichloropropene	0.558	0.593		6.27	20
cis-1,3-Dichloropropene	0.613	0.613		0	20
1,1,2-Trichloroethane	0.333	0.363		9.01	20
2-Hexanone	0.371	0.351		-5.39	20
Dibromochloromethane	0.366	0.411		12.3	20
1,2-Dibromoethane	0.336	0.379		12.8	20
Tetrachloroethene	0.385	0.377		-2.08	20
Chlorobenzene	1.116	1.131	0.3	1.34	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/09/2025 11:00

Lab File ID: VN086553.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.014	1.922		-4.57	20
m/p-Xylenes	0.754	0.750		-0.53	20
o-Xylene	0.746	0.750		0.54	20
Styrene	1.243	1.284		3.3	20
Bromoform	0.277	0.292	0.1	5.41	20
Isopropylbenzene	4.090	3.486		-14.77	20
1,1,2,2-Tetrachloroethane	1.176	1.097	0.3	-6.72	20
1,3-Dichlorobenzene	1.704	1.686		-1.06	20
1,4-Dichlorobenzene	1.716	1.692		-1.4	20
1,2-Dichlorobenzene	1.652	1.638		-0.85	20
1,2-Dibromo-3-Chloropropane	0.237	0.205		-13.5	20
1,2,4-Trichlorobenzene	0.791	0.758		-4.17	20
1,2,3-Trichlorobenzene	0.749	0.716		-4.41	20
1,2-Dichloroethane-d4	0.725	0.756		4.28	20
Dibromofluoromethane	0.232	0.299		28.88	20
Toluene-d8	1.240	1.213		-2.18	20
4-Bromofluorobenzene	0.452	0.471		4.2	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_Y Calibration Date/Time: 05/02/2025 10:56

Lab File ID: VY022119.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.371		-12.91	20
Chloromethane	0.607	0.522	0.1	-14	20
Vinyl Chloride	0.745	0.656		-11.95	20
Bromomethane	0.642	0.557		-13.24	20
Chloroethane	0.508	0.453		-10.83	20
Trichlorofluoromethane	0.983	0.881		-10.38	20
1,1,2-Trichlorotrifluoroethane	0.533	0.498		-6.57	20
1,1-Dichloroethene	0.497	0.477		-4.02	20
Acetone	0.070	0.061		-12.86	20
Carbon Disulfide	1.585	1.399		-11.73	20
Methyl tert-butyl Ether	1.113	1.212		8.9	20
Methyl Acetate	0.216	0.267		23.61	20
Methylene Chloride	0.584	0.557		-4.62	20
trans-1,2-Dichloroethene	0.557	0.540		-3.05	20
1,1-Dichloroethane	0.893	0.872	0.1	-2.35	20
Cyclohexane	0.763	0.697		-8.65	20
2-Butanone	0.105	0.104		-0.95	20
Carbon Tetrachloride	0.530	0.522		-1.51	20
cis-1,2-Dichloroethene	0.622	0.636		2.25	20
Bromochloromethane	0.347	0.340		-2.02	20
Chloroform	0.990	1.003		1.31	20
1,1,1-Trichloroethane	0.896	0.912		1.79	20
Methylcyclohexane	0.558	0.540		-3.23	20
Benzene	1.387	1.341		-3.32	20
1,2-Dichloroethane	0.343	0.350		2.04	20
Trichloroethene	0.384	0.376		-2.08	20
1,2-Dichloropropane	0.307	0.300		-2.28	20
Bromodichloromethane	0.480	0.486		1.25	20
4-Methyl-2-Pentanone	0.160	0.168		5	20
Toluene	0.898	0.899		0.11	20
t-1,3-Dichloropropene	0.411	0.424		3.16	20
cis-1,3-Dichloropropene	0.489	0.493		0.82	20
1,1,2-Trichloroethane	0.256	0.256		0	20
2-Hexanone	0.106	0.112		5.66	20
Dibromochloromethane	0.355	0.359		1.13	20
1,2-Dibromoethane	0.242	0.246		1.65	20
Tetrachloroethene	0.472	0.466		-1.27	20
Chlorobenzene	1.118	1.109	0.3	-0.81	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_Y Calibration Date/Time: 05/02/2025 10:56

Lab File ID: VY022119.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.829	1.865		1.97	20
m/p-Xylenes	0.728	0.741		1.79	20
o-Xylene	0.671	0.700		4.32	20
Styrene	1.126	1.184		5.15	20
Bromoform	0.229	0.235	0.1	2.62	20
Isopropylbenzene	3.341	3.620		8.35	20
1,1,2,2-Tetrachloroethane	0.563	0.579	0.3	2.84	20
1,3-Dichlorobenzene	1.714	1.718		0.23	20
1,4-Dichlorobenzene	1.698	1.699		0.06	20
1,2-Dichlorobenzene	1.495	1.533		2.54	20
1,2-Dibromo-3-Chloropropane	0.090	0.095		5.56	20
1,2,4-Trichlorobenzene	0.847	0.904		6.73	20
1,2,3-Trichlorobenzene	0.731	0.791		8.21	20
1,2-Dichloroethane-d4	0.462	0.449		-2.81	20
Dibromofluoromethane	0.330	0.313		-5.15	20
Toluene-d8	1.245	1.174		-5.7	20
4-Bromofluorobenzene	0.419	0.412		-1.67	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\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Time: May 03 02:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

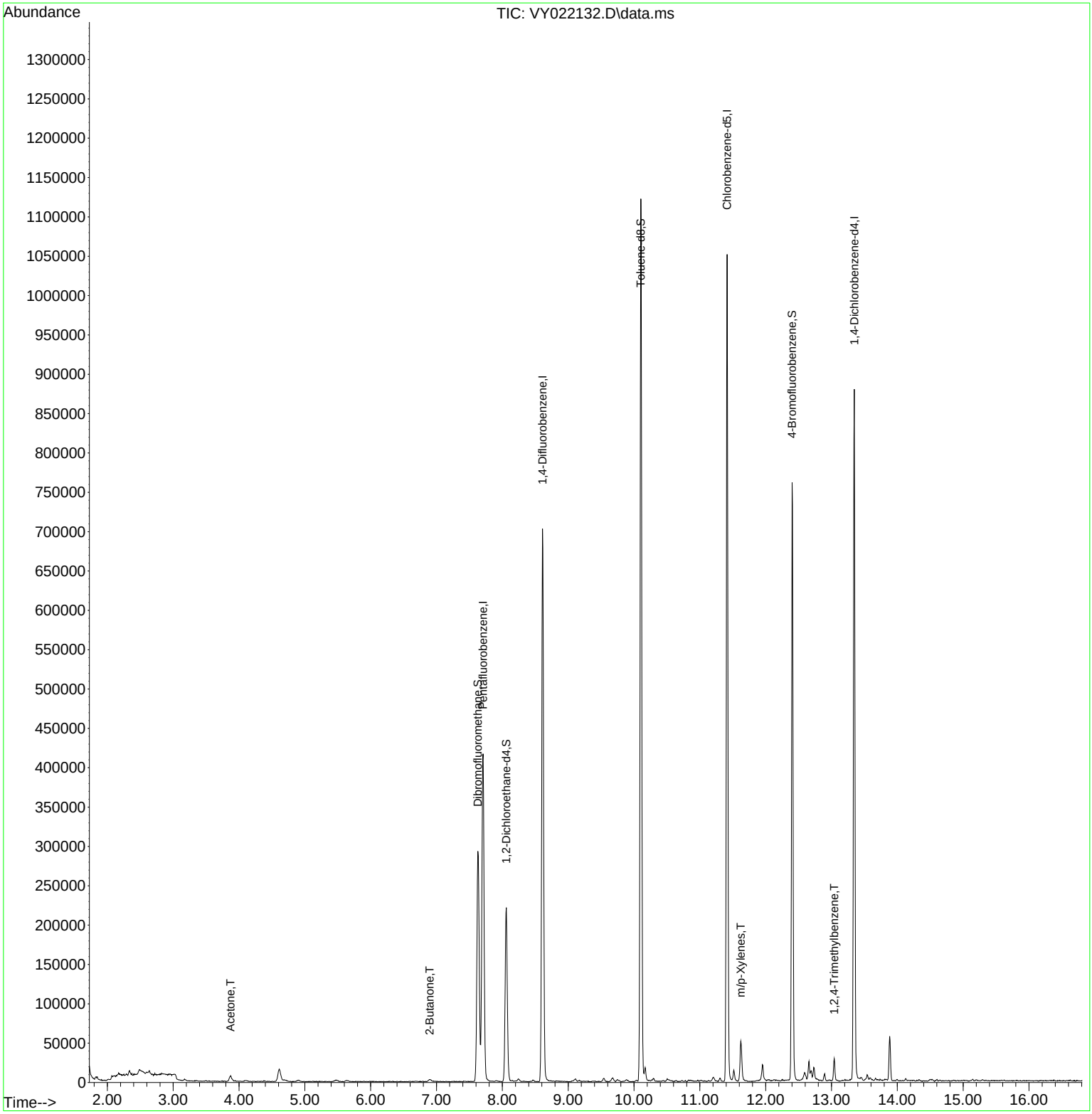
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	327260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	620890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	562816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	227037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	178830	59.160	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.320%			
35) Dibromofluoromethane	7.628	113	213057	51.941	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.880%			
50) Toluene-d8	10.103	98	746474	48.271	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.540%			
62) 4-Bromofluorobenzene	12.401	95	234313	45.009	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.020%			
Target Compounds						Qvalue
16) Acetone	3.872	43	11324	7.938	ug/l #	86
25) 2-Butanone	6.896	43	3818	5.541	ug/l	99
68) m/p-Xylenes	11.621	106	15935	1.945	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	14392	1.151	ug/l	100

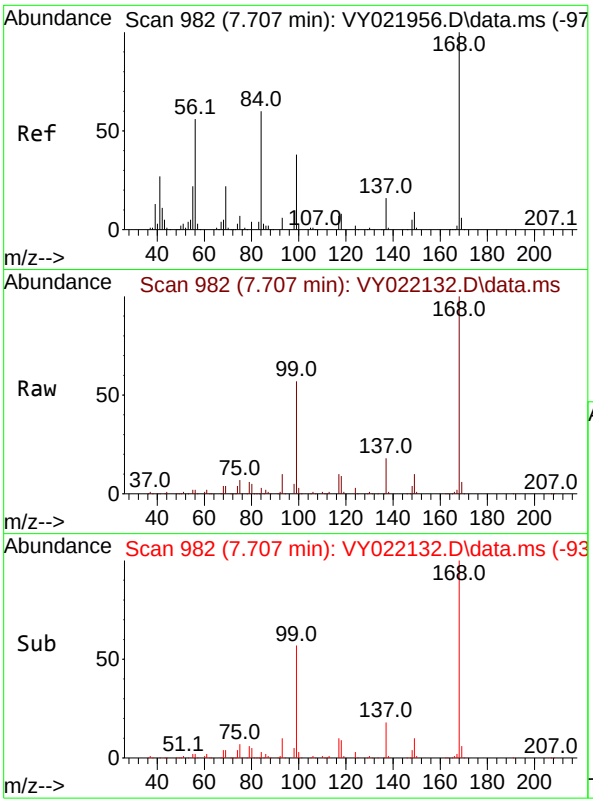
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Time: May 03 02:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



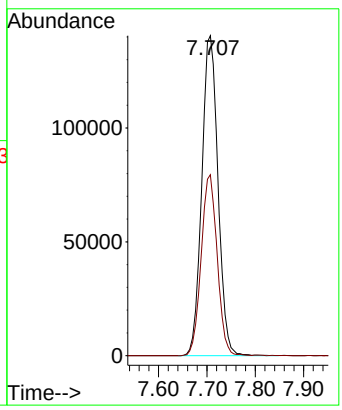


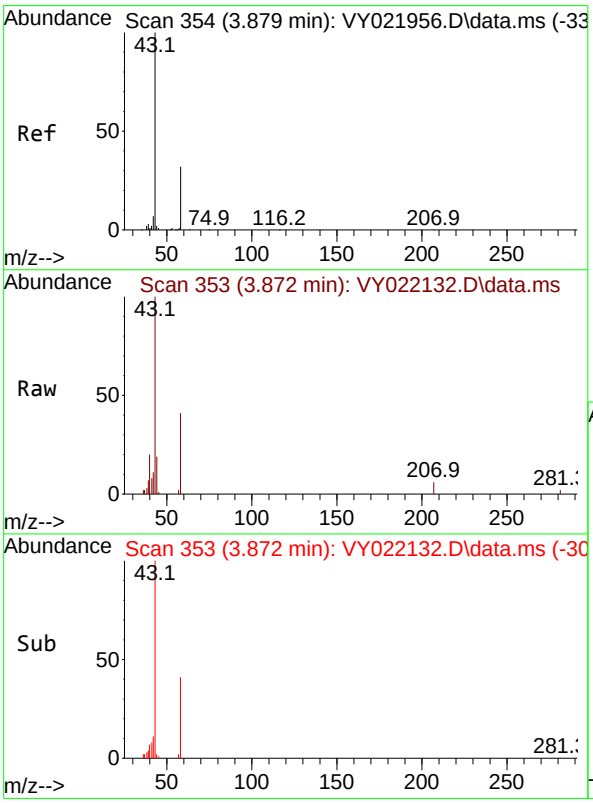
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Tgt Ion:168 Resp: 327260

Ion	Ratio	Lower	Upper
168	100		
99	56.5	43.1	64.7

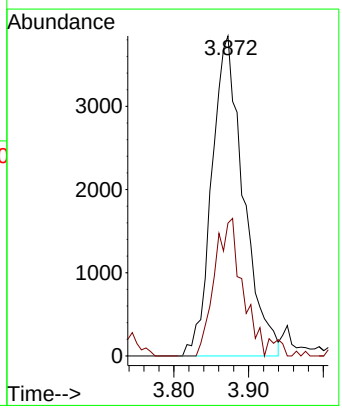


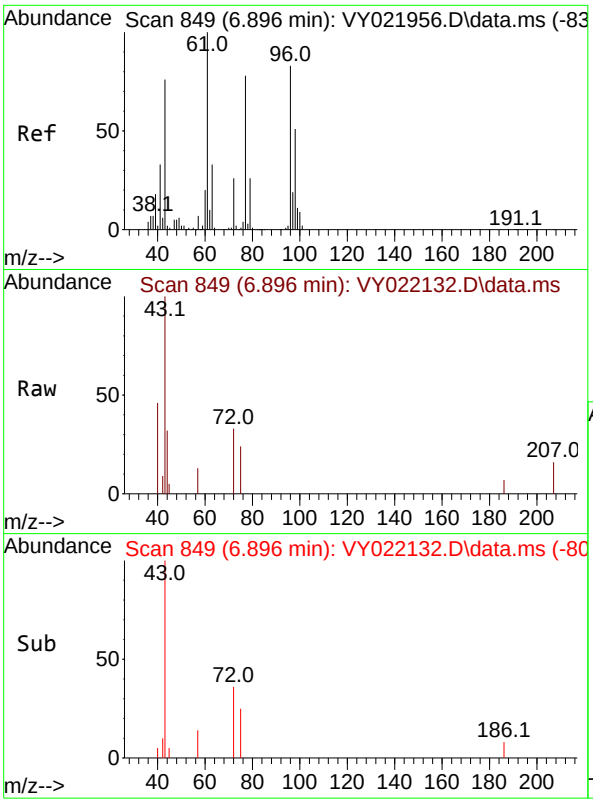


#16
Acetone
Concen: 7.938 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion: 43 Resp: 11324

Ion	Ratio	Lower	Upper
43	100		
58	41.5	27.0	40.4#



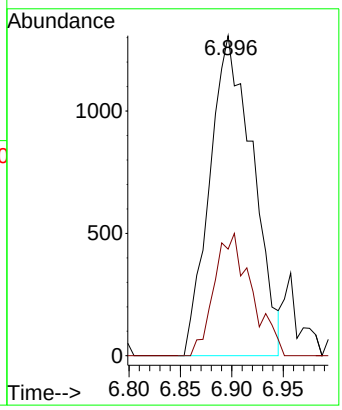


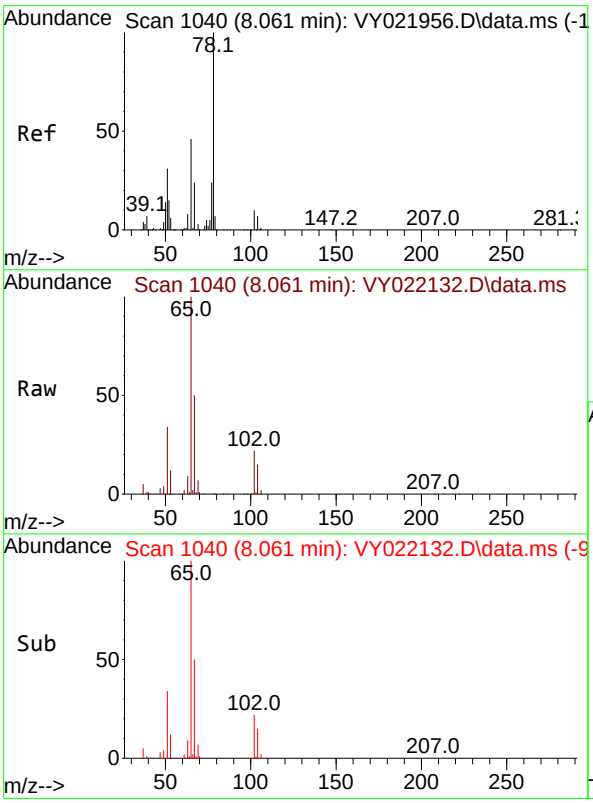
#25
2-Butanone
Concen: 5.541 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Tgt Ion: 43 Resp: 3818

Ion	Ratio	Lower	Upper
43	100		
72	33.3	27.0	40.4

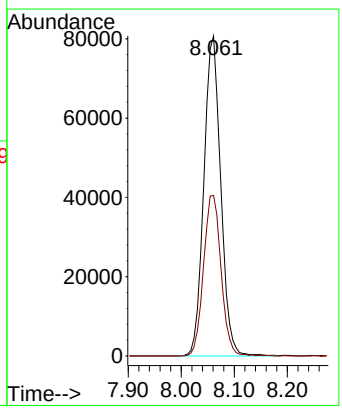


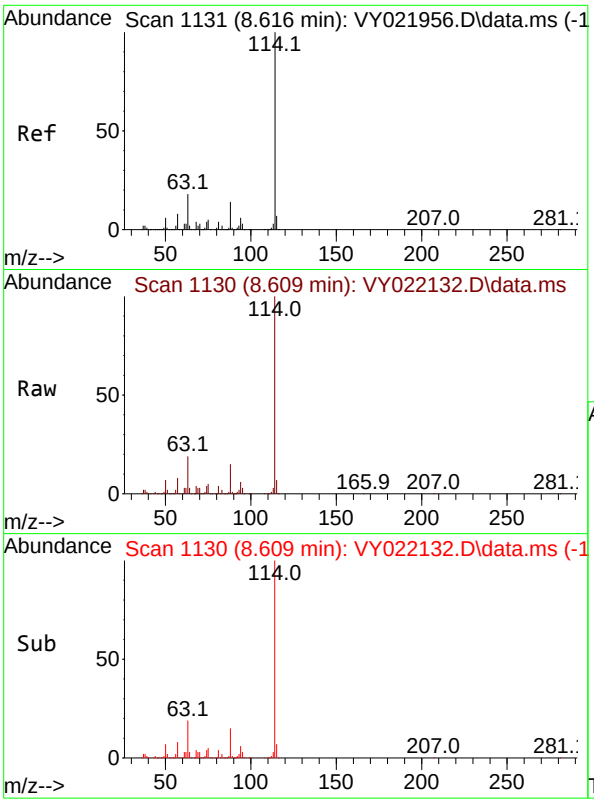


#33
1,2-Dichloroethane-d4
Concen: 59.160 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion: 65 Resp: 178830

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	105.8



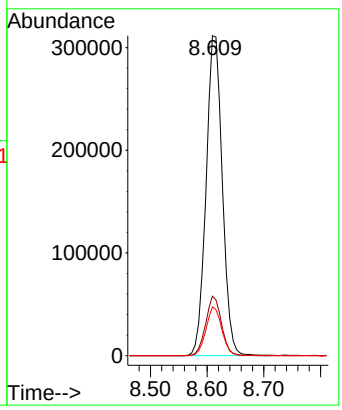


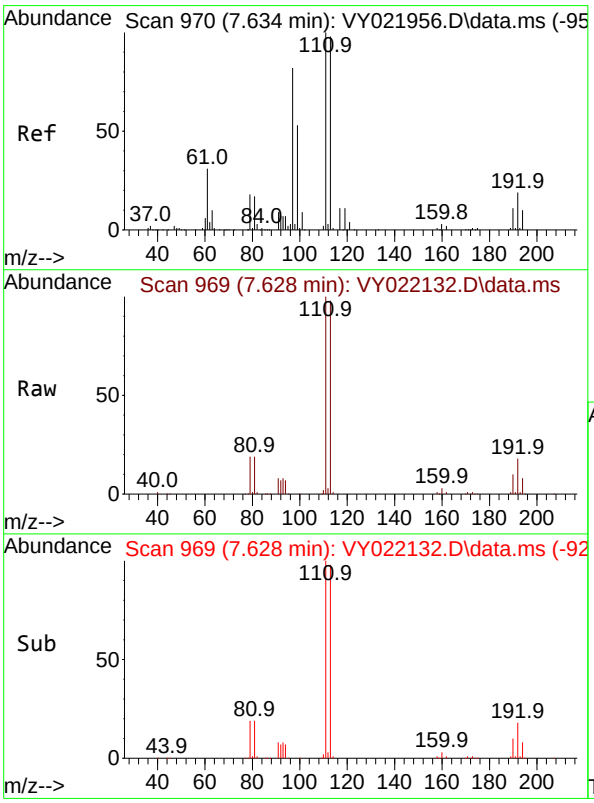
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Tgt Ion:114 Resp: 620890

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	35.4
88	15.2	0.0	28.2

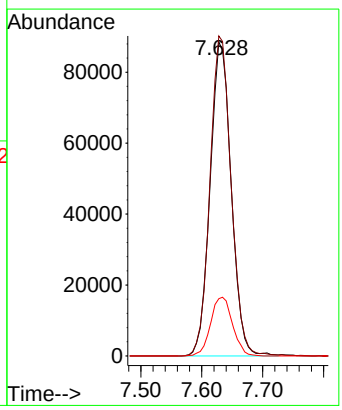


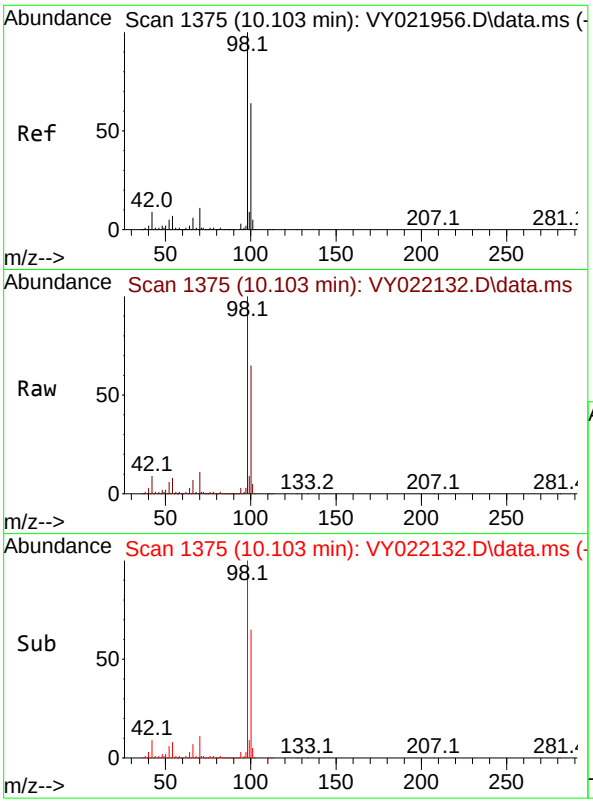


#35
Dibromofluoromethane
Concen: 51.941 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion:113 Resp: 213057

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	19.5	15.6	23.4



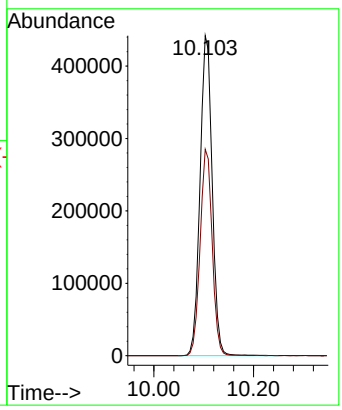


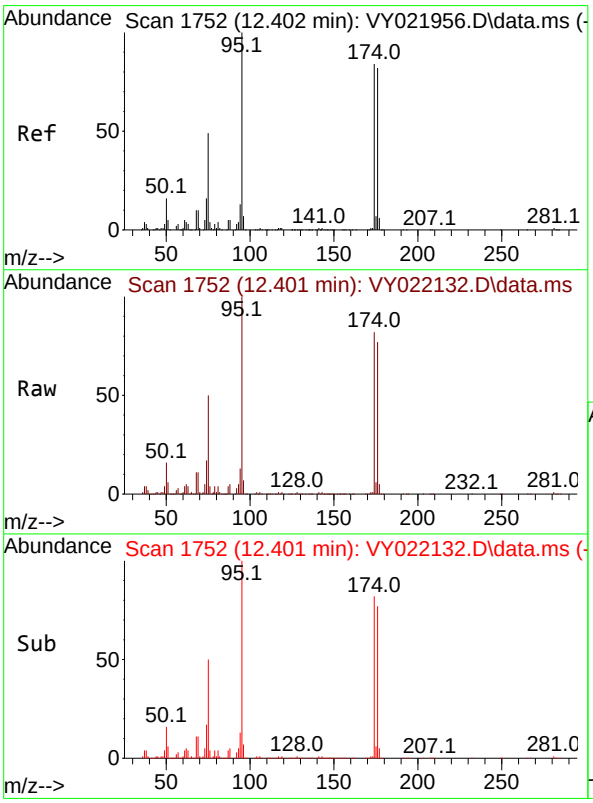
#50
Toluene-d8
Concen: 48.271 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Tgt Ion: 98 Resp: 746474

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4

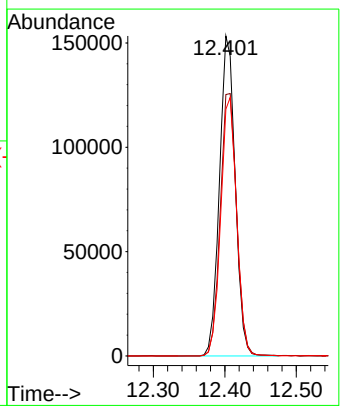


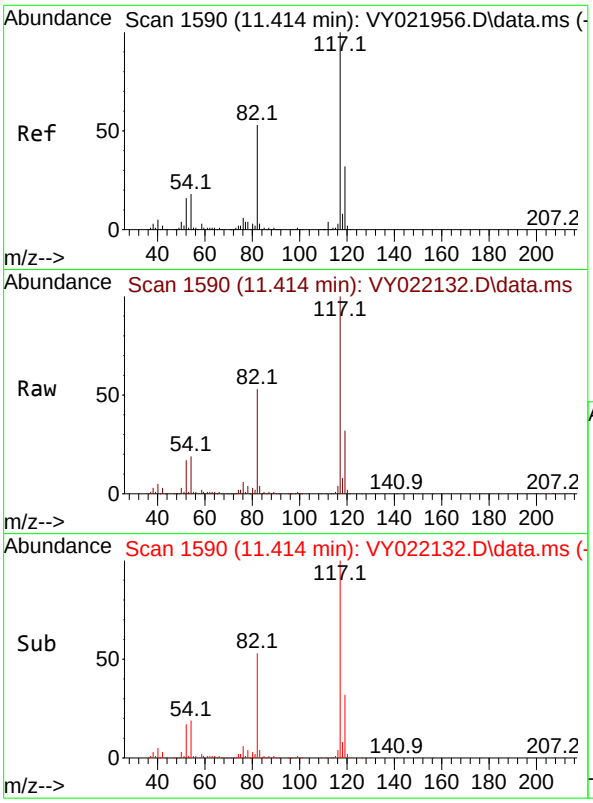


#62
4-Bromofluorobenzene
Concen: 45.009 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion: 95 Resp: 234313

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	179.0
176	81.8	0.0	171.8



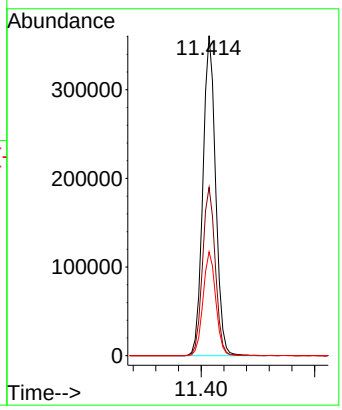


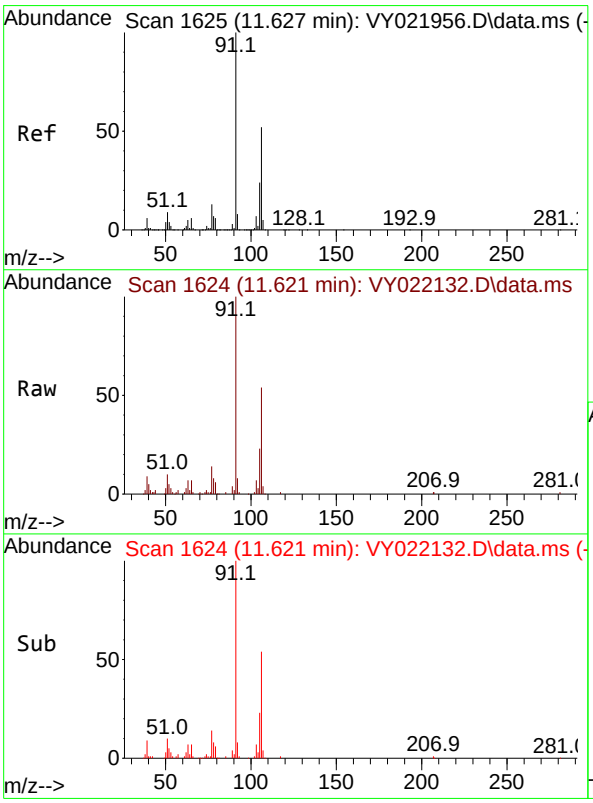
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Tgt Ion:117 Resp: 562816

Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	32.5	25.7	38.5

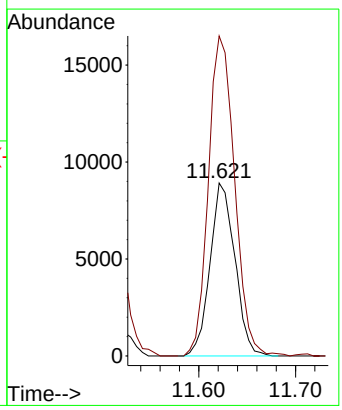


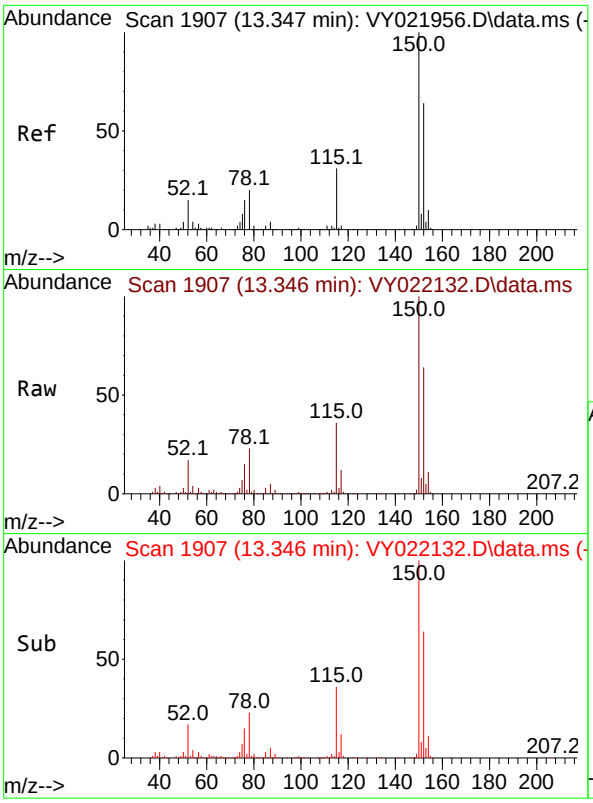


#68
m/p-Xylenes
Concen: 1.945 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion:106 Resp: 15935

Ion	Ratio	Lower	Upper
106	100		
91	194.9	156.2	234.2



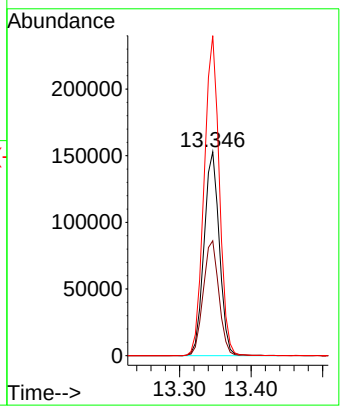


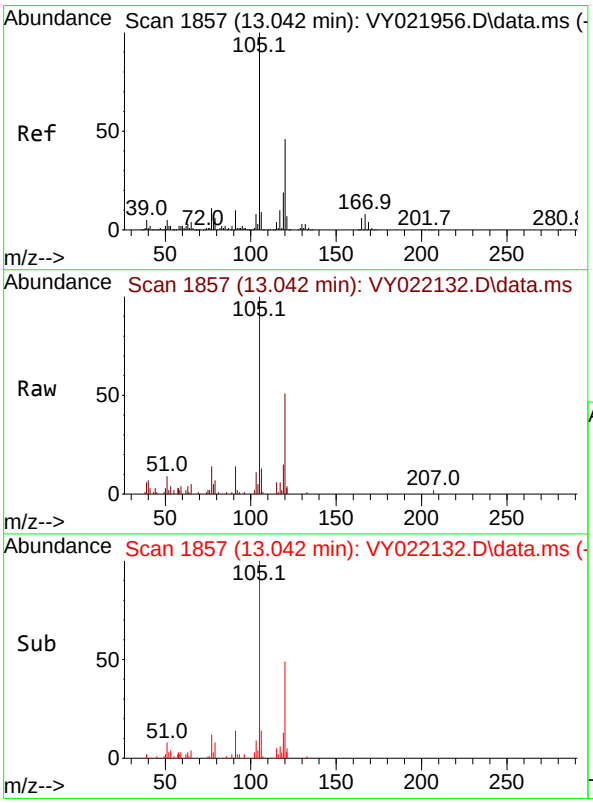
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Tgt Ion:152 Resp: 227037

Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.0	84.0
150	155.7	0.0	345.6

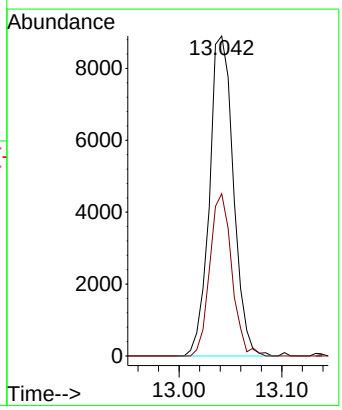




#84
1,2,4-Trimethylbenzene
Concen: 1.151 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion:105 Resp: 14392

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

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\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022132.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.872	343	353	361	rBV2	7299	19795	1.04%	0.196%
2	4.610	464	474	485	rBV3	15569	48859	2.57%	0.483%
3	7.628	959	969	976	rBV	292498	717665	37.80%	7.098%
4	7.707	976	982	999	rVB	416305	959199	50.52%	9.487%
5	8.061	1029	1040	1052	rBV	221116	498805	26.27%	4.933%
6	8.609	1120	1130	1144	rBV	702581	1388830	73.14%	13.736%
7	10.103	1368	1375	1383	rBV	1121138	1898789	100.00%	18.779%
8	10.170	1383	1386	1392	rVB	16141	24689	1.30%	0.244%
9	11.414	1582	1590	1602	rBV	1050765	1653422	87.08%	16.352%
10	11.517	1602	1607	1615	rVB	13890	23704	1.25%	0.234%
11	11.621	1617	1624	1635	rBV	50665	102126	5.38%	1.010%
12	11.950	1669	1678	1688	rVB2	20560	39789	2.10%	0.394%
13	12.401	1744	1752	1765	rVB	759695	1204464	63.43%	11.912%
14	12.657	1789	1794	1797	rBV2	22533	34333	1.81%	0.340%
15	12.731	1802	1806	1812	rVB3	14804	23972	1.26%	0.237%
16	13.042	1851	1857	1869	rVB	28761	47506	2.50%	0.470%
17	13.346	1900	1907	1917	rBV	876845	1334018	70.26%	13.193%
18	13.883	1989	1995	2002	rVB	56584	91235	4.80%	0.902%

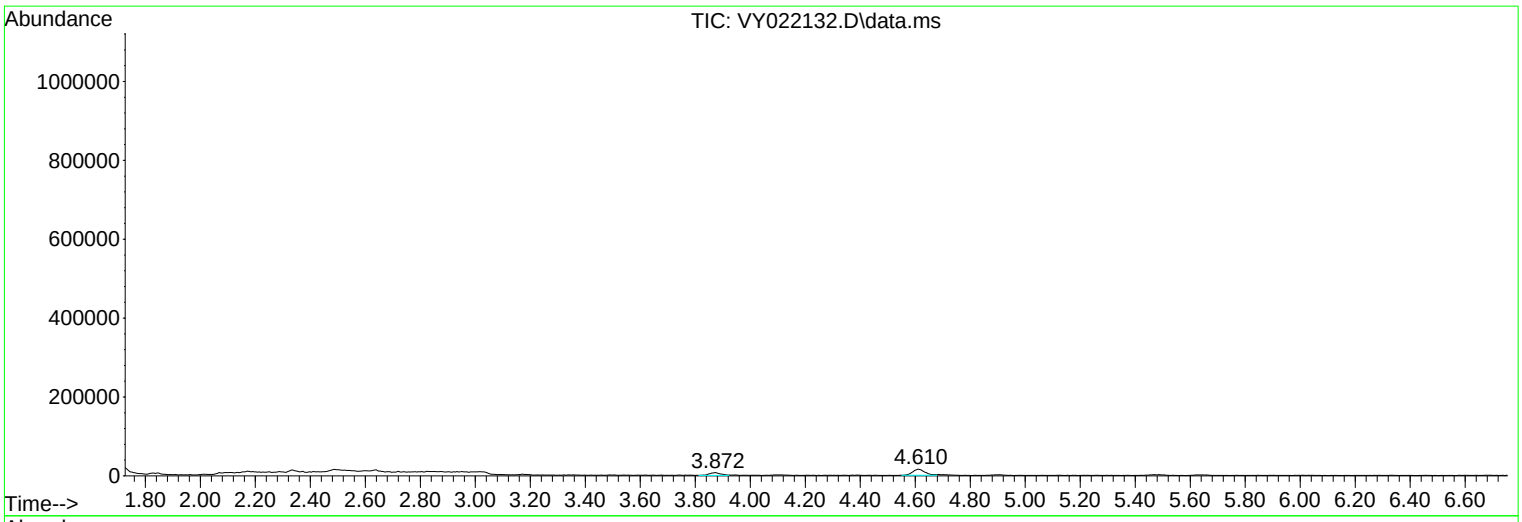
Sum of corrected areas: 10111200

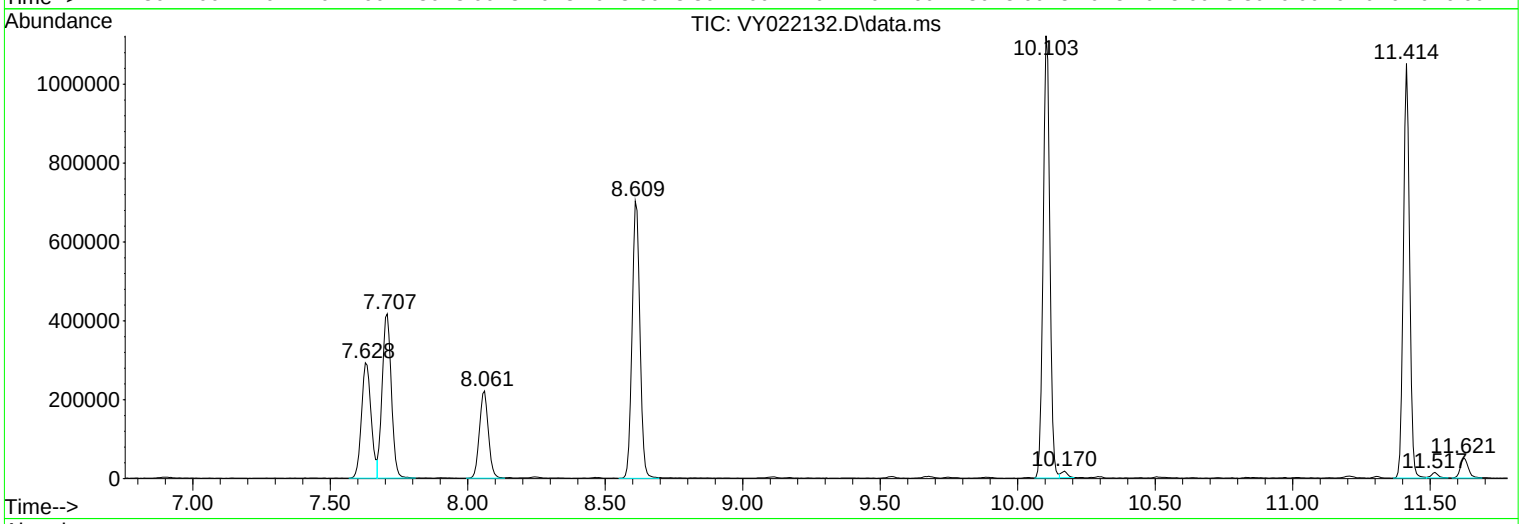
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

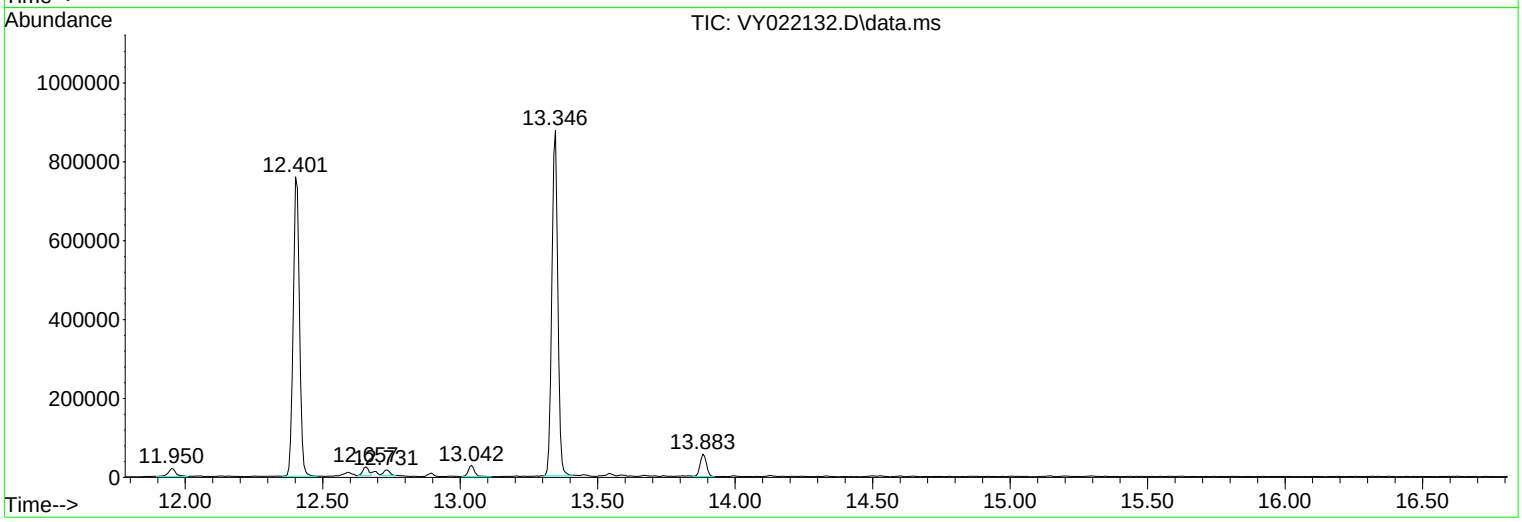
Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Time: May 03 02:52:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

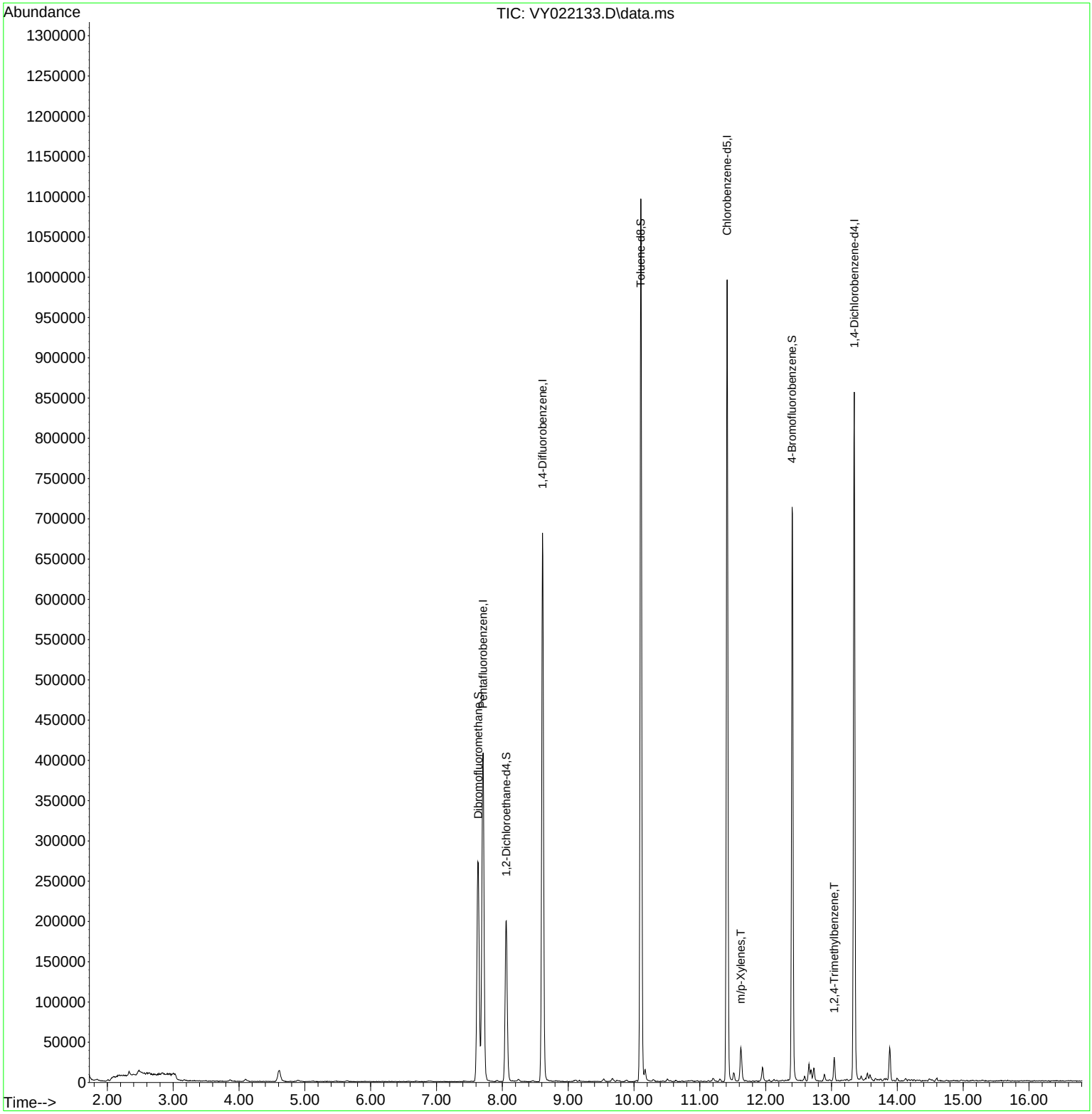
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	318938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	597401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	540276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	220532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162382	55.120	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.240%			
35) Dibromofluoromethane	7.634	113	198567	50.312	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.620%			
50) Toluene-d8	10.103	98	724652	48.702	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.400%			
62) 4-Bromofluorobenzene	12.401	95	222338	44.388	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.780%			
Target Compounds						Qvalue
68) m/p-Xylenes	11.621	106	13088	1.664	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	15035	1.238	ug/l	98

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

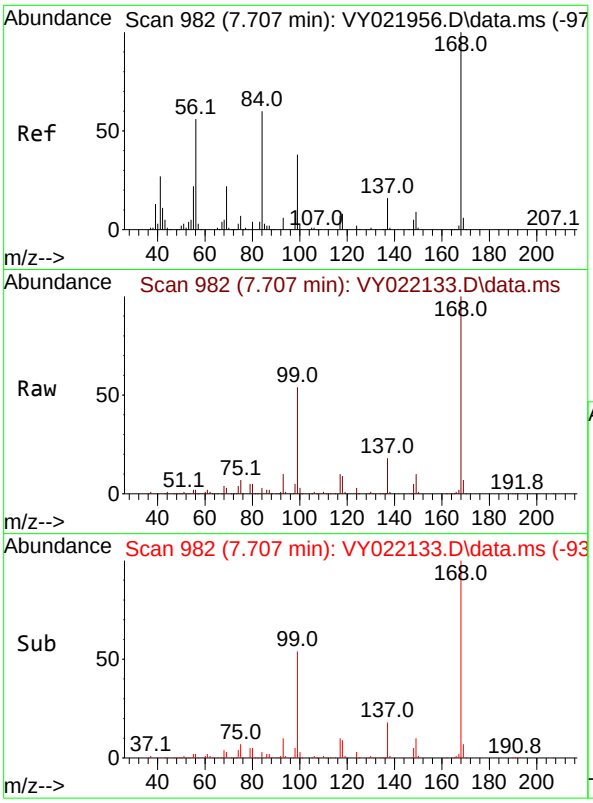
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Time: May 03 02:52:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



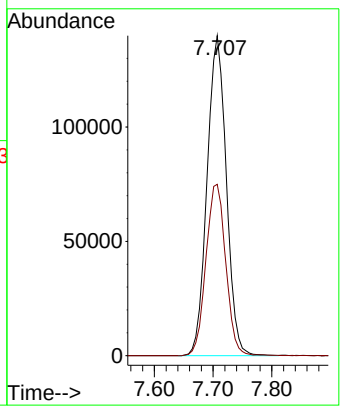
Instrument :
MSVOA_Y
ClientSampleId :
GB1B

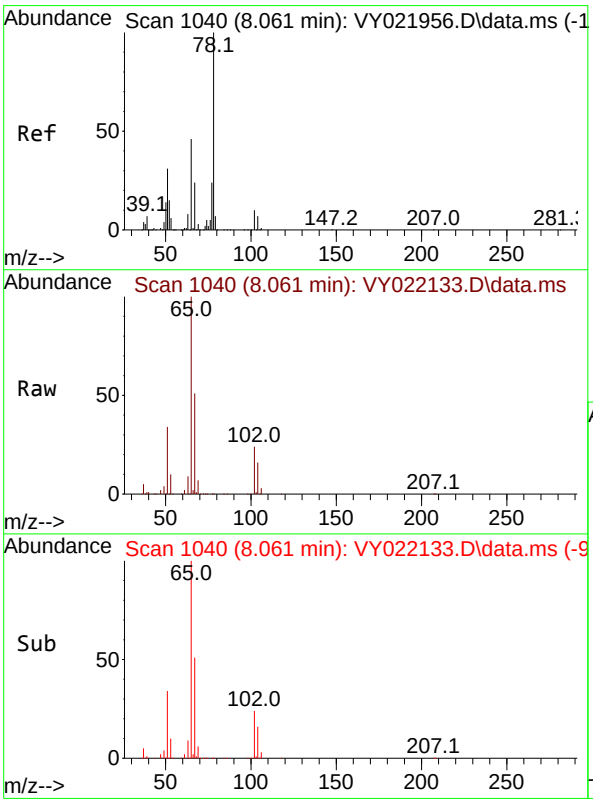


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion:168 Resp: 318938

Ion	Ratio	Lower	Upper
168	100		
99	53.6	43.1	64.7

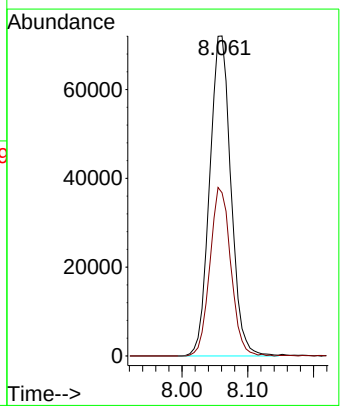


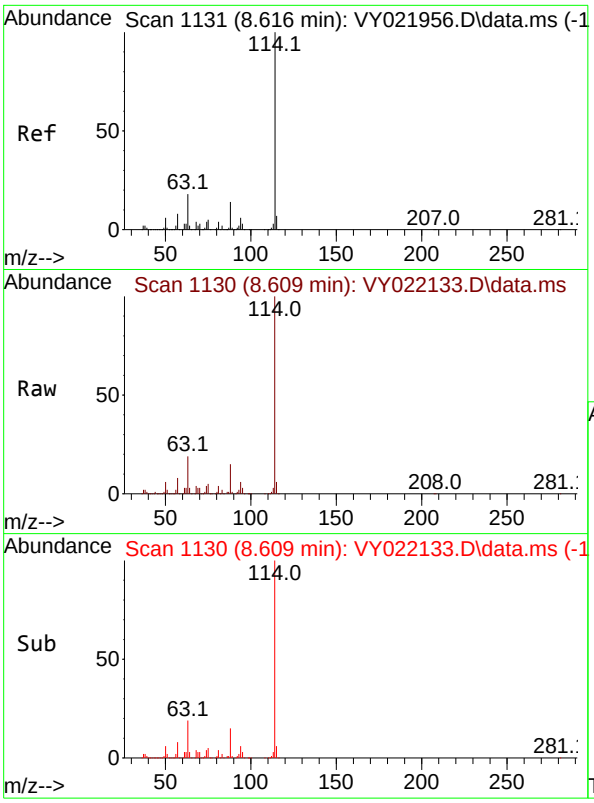


#33
1,2-Dichloroethane-d4
Concen: 55.120 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion: 65 Resp: 162382

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.8



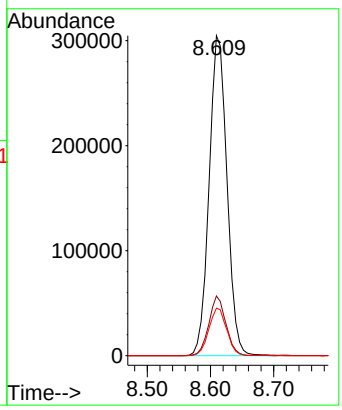


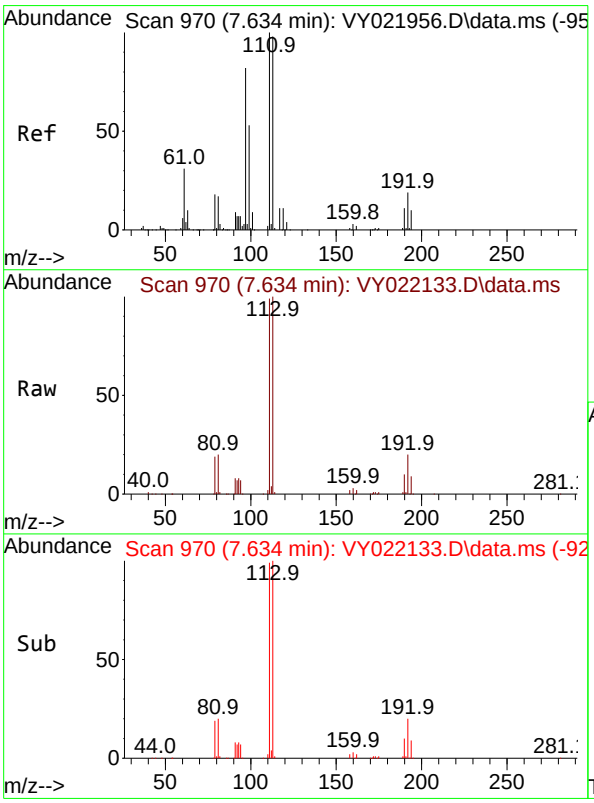
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Tgt Ion:114 Resp: 597401

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	35.4
88	14.9	0.0	28.2

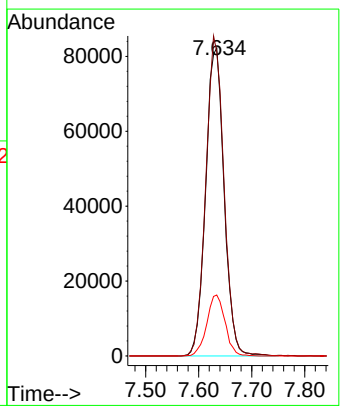


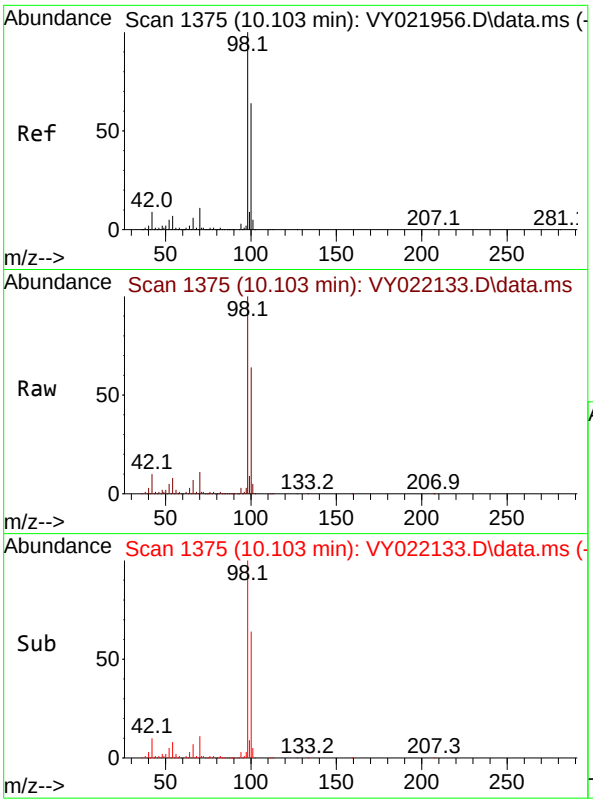


#35
Dibromofluoromethane
Concen: 50.312 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion:113 Resp: 198567

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	19.6	15.6	23.4



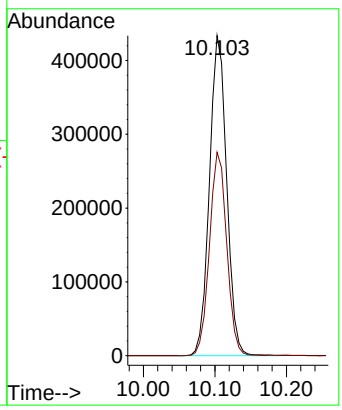


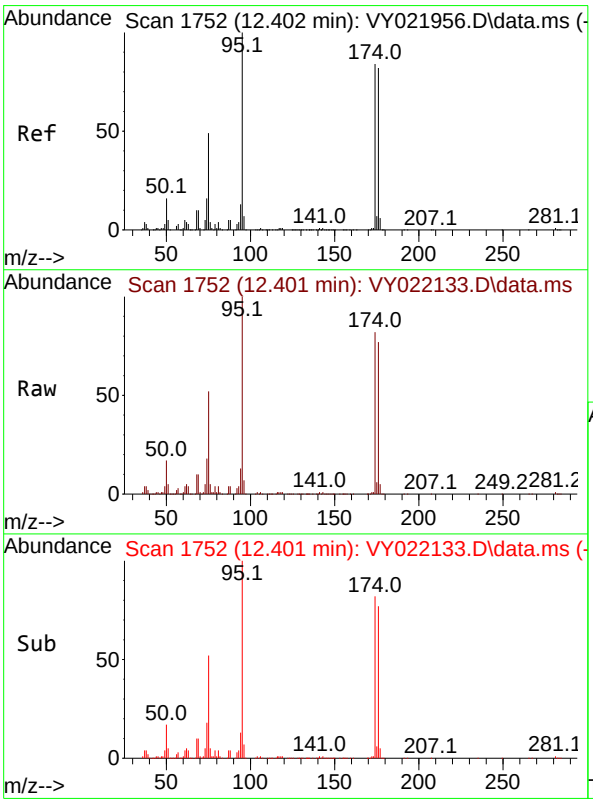
#50
Toluene-d8
Concen: 48.702 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Tgt Ion: 98 Resp: 724652

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4

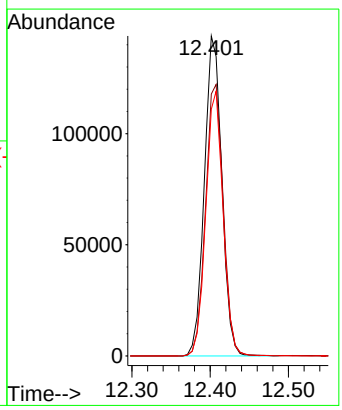


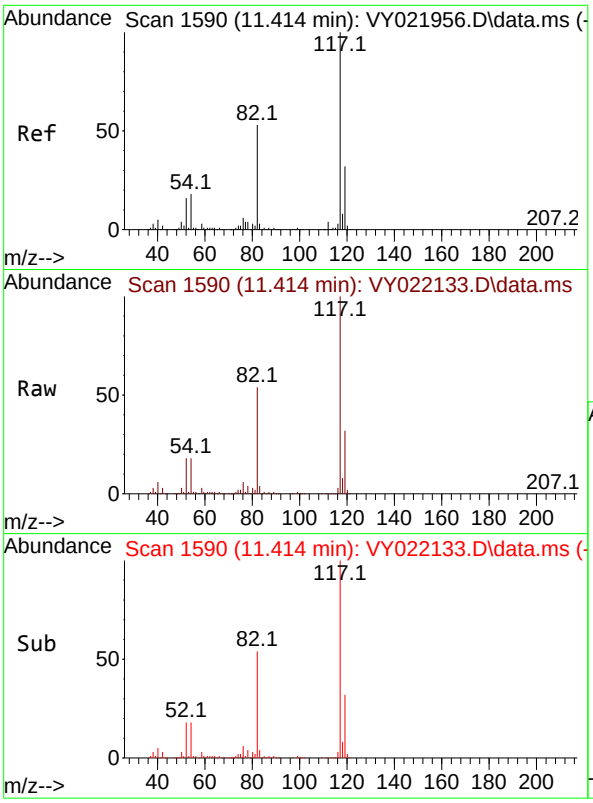


#62
4-Bromofluorobenzene
Concen: 44.388 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion: 95 Resp: 222338

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	179.0
176	81.9	0.0	171.8



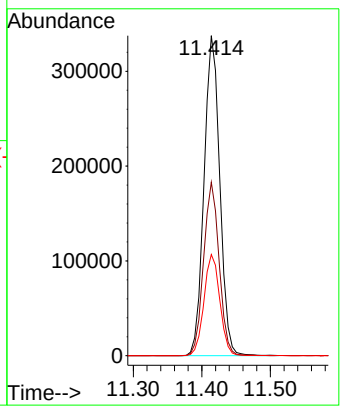


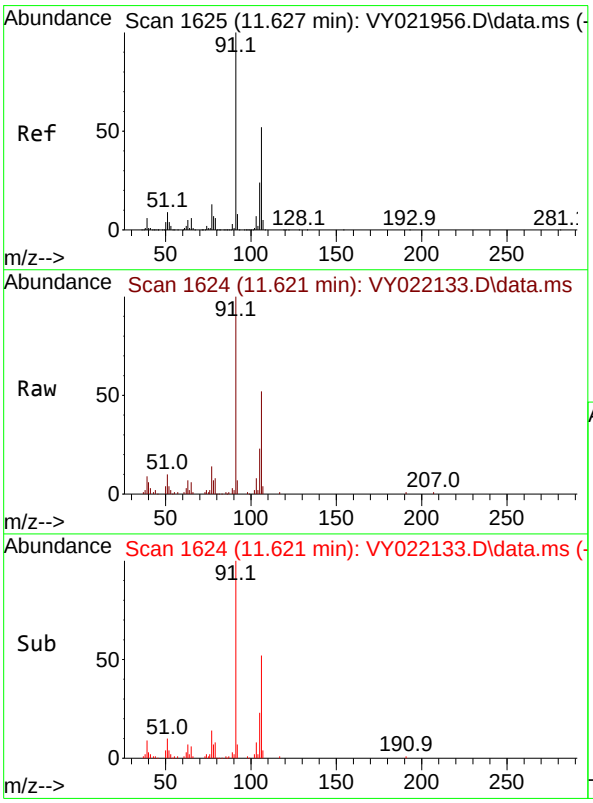
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Tgt Ion:117 Resp: 540276

Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.1	63.1
119	31.6	25.7	38.5

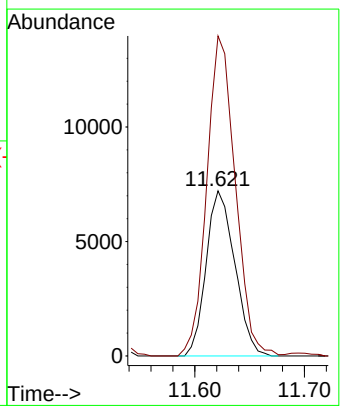




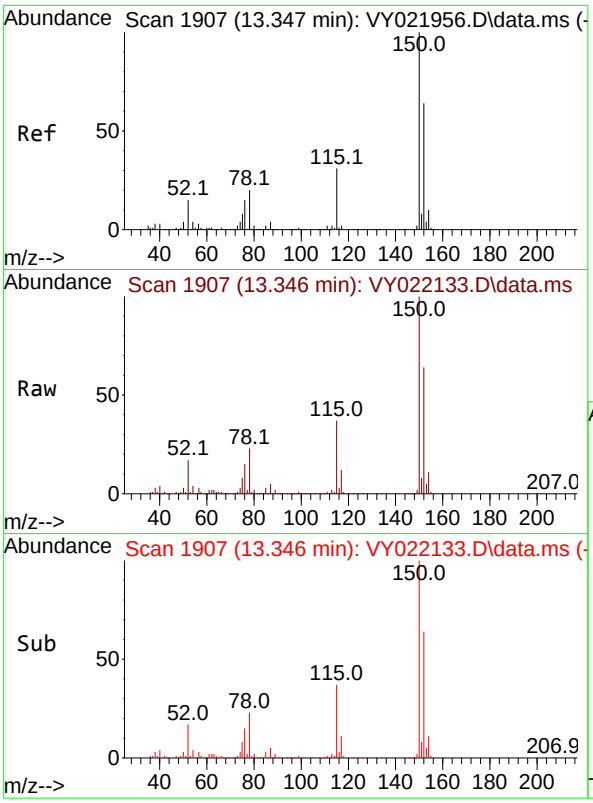
#68
m/p-Xylenes
Concen: 1.664 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion:106 Resp: 13088

Ion	Ratio	Lower	Upper
106	100		
91	192.7	156.2	234.2



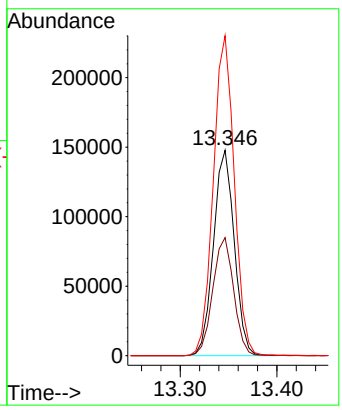
Instrument :
MSVOA_Y
ClientSampleId :
GB1B

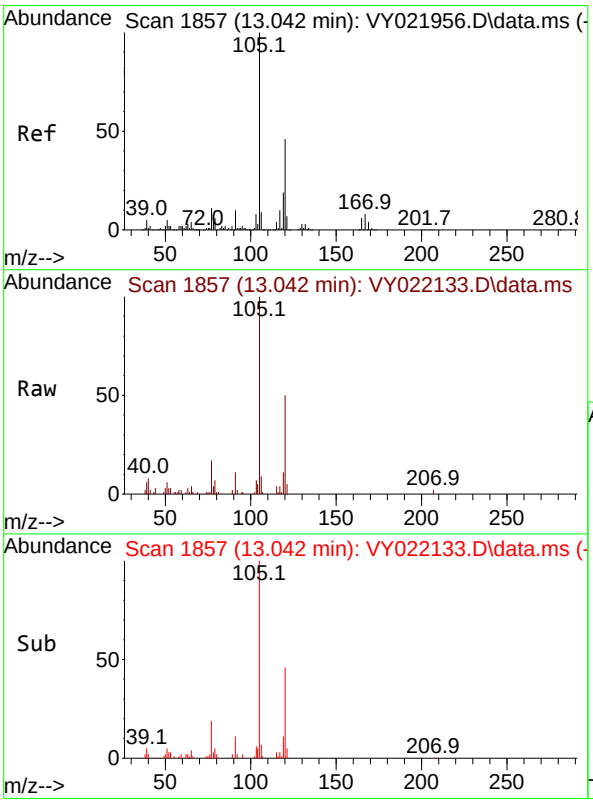


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion:152 Resp: 220532

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.0	84.0
150	157.3	0.0	345.6

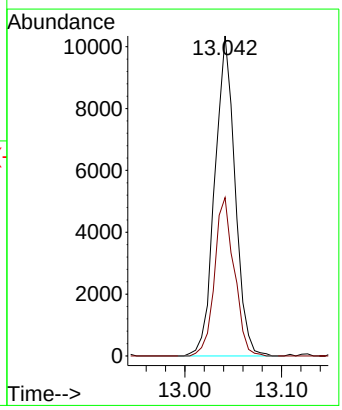




#84
1,2,4-Trimethylbenzene
Concen: 1.238 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion:105 Resp: 15035

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.4	70.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

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\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022133.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	464	474	482	rBV3	13802	43688	2.37%	0.452%
2	7.628	958	969	975	rBV	272964	655395	35.56%	6.783%
3	7.707	975	982	995	rVB	407348	945120	51.27%	9.782%
4	8.061	1030	1040	1053	rBV	199376	450469	24.44%	4.662%
5	8.609	1121	1130	1144	rBV	681535	1338291	72.61%	13.851%
6	10.103	1367	1375	1383	rBV	1096036	1843243	100.00%	19.077%
7	10.170	1383	1386	1395	rVB2	13952	23252	1.26%	0.241%
8	11.414	1582	1590	1601	rBV	995673	1597329	86.66%	16.532%
9	11.511	1602	1606	1615	rVV	10541	19602	1.06%	0.203%
10	11.621	1617	1624	1633	rVB	41491	81171	4.40%	0.840%
11	11.950	1670	1678	1687	rBV2	17202	31203	1.69%	0.323%
12	12.401	1743	1752	1768	rVB	712077	1151672	62.48%	11.919%
13	12.657	1788	1794	1797	rBV	21067	34084	1.85%	0.353%
14	12.731	1802	1806	1813	rVB2	15690	26809	1.45%	0.277%
15	13.042	1850	1857	1862	rBV	29579	44910	2.44%	0.465%
16	13.346	1899	1907	1917	rBV	854086	1307976	70.96%	13.537%
17	13.883	1990	1995	2002	rVB	41145	67950	3.69%	0.703%

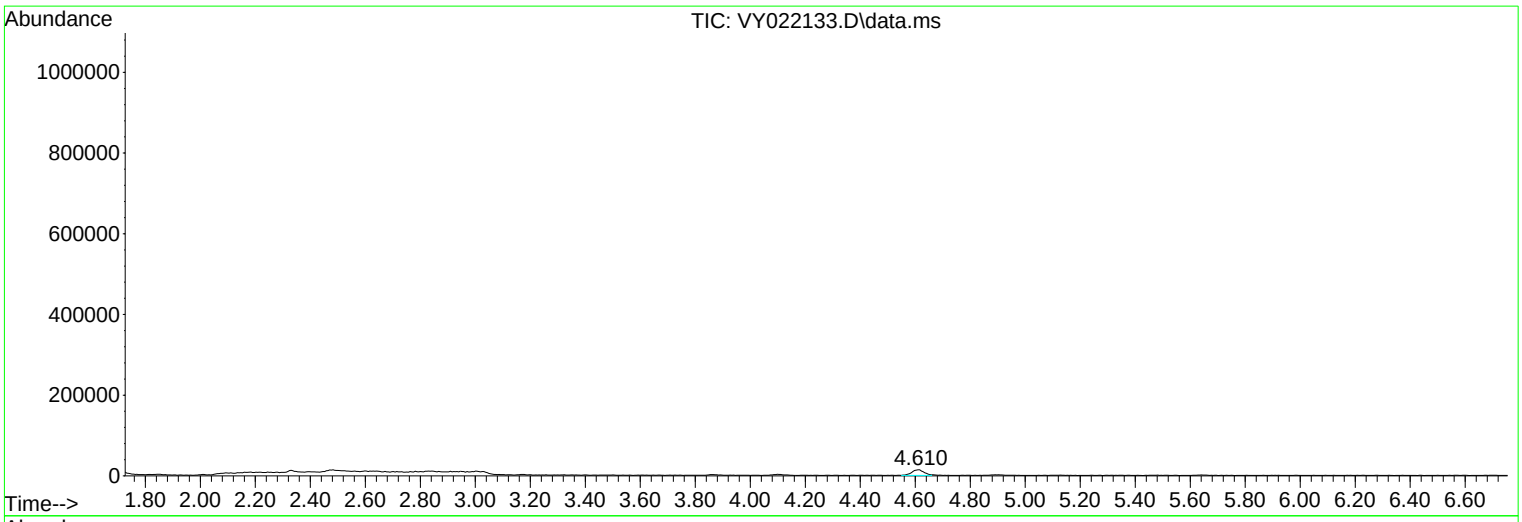
Sum of corrected areas: 9662164

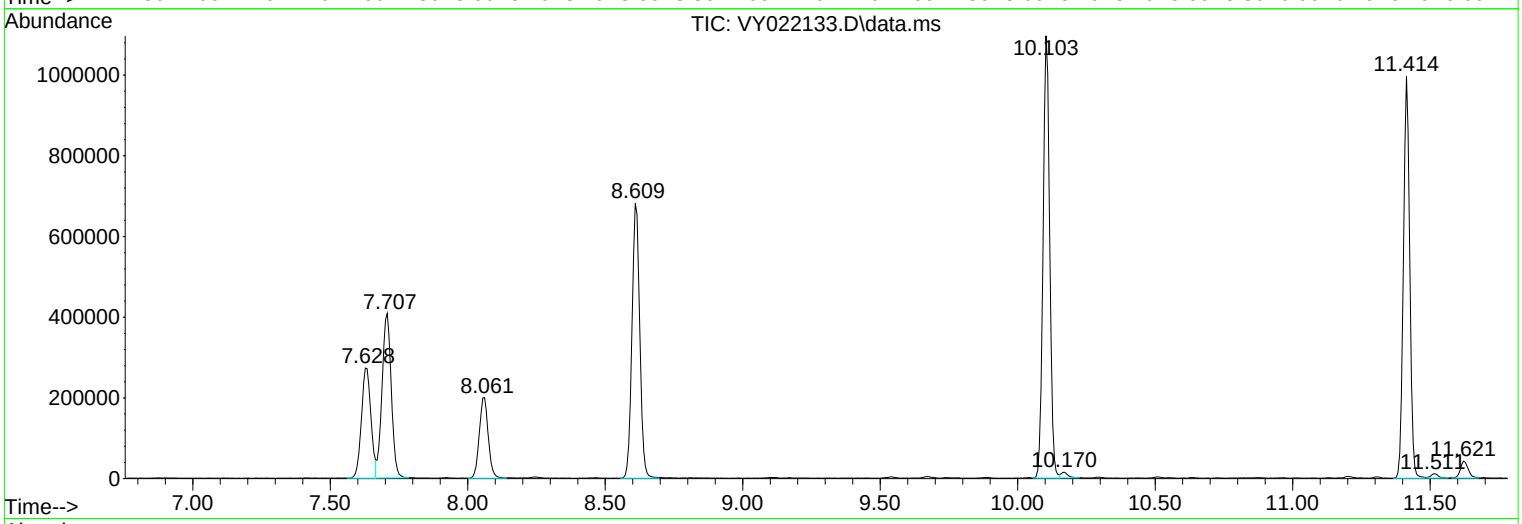
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

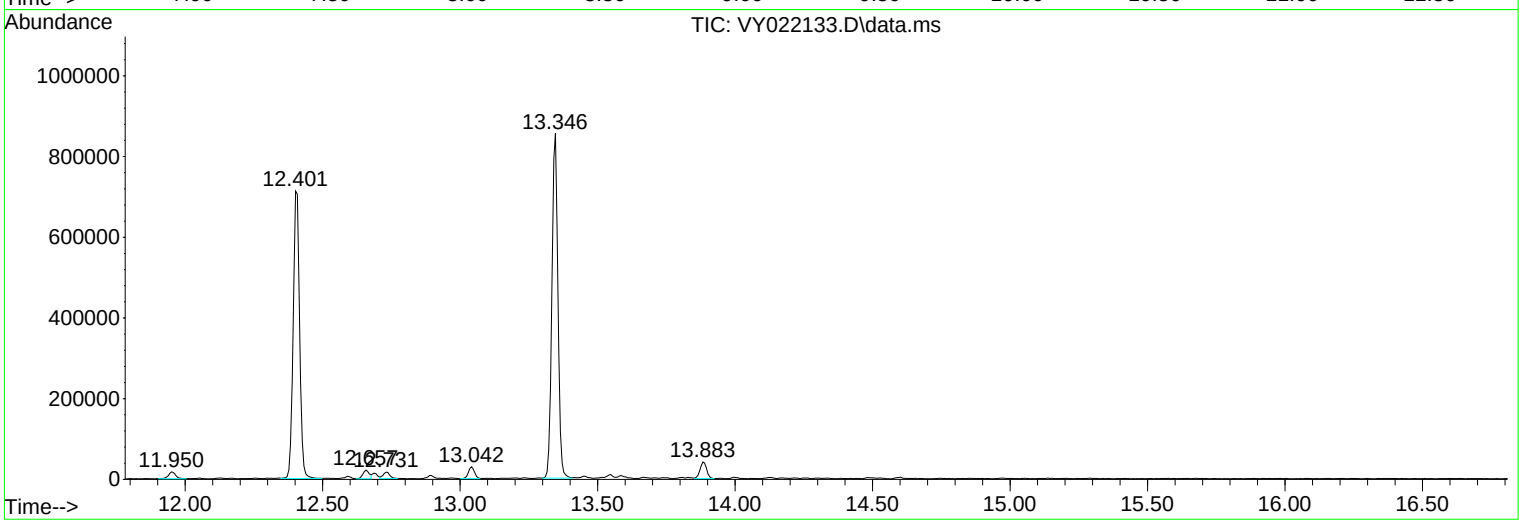
Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Time: May 07 02:56:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

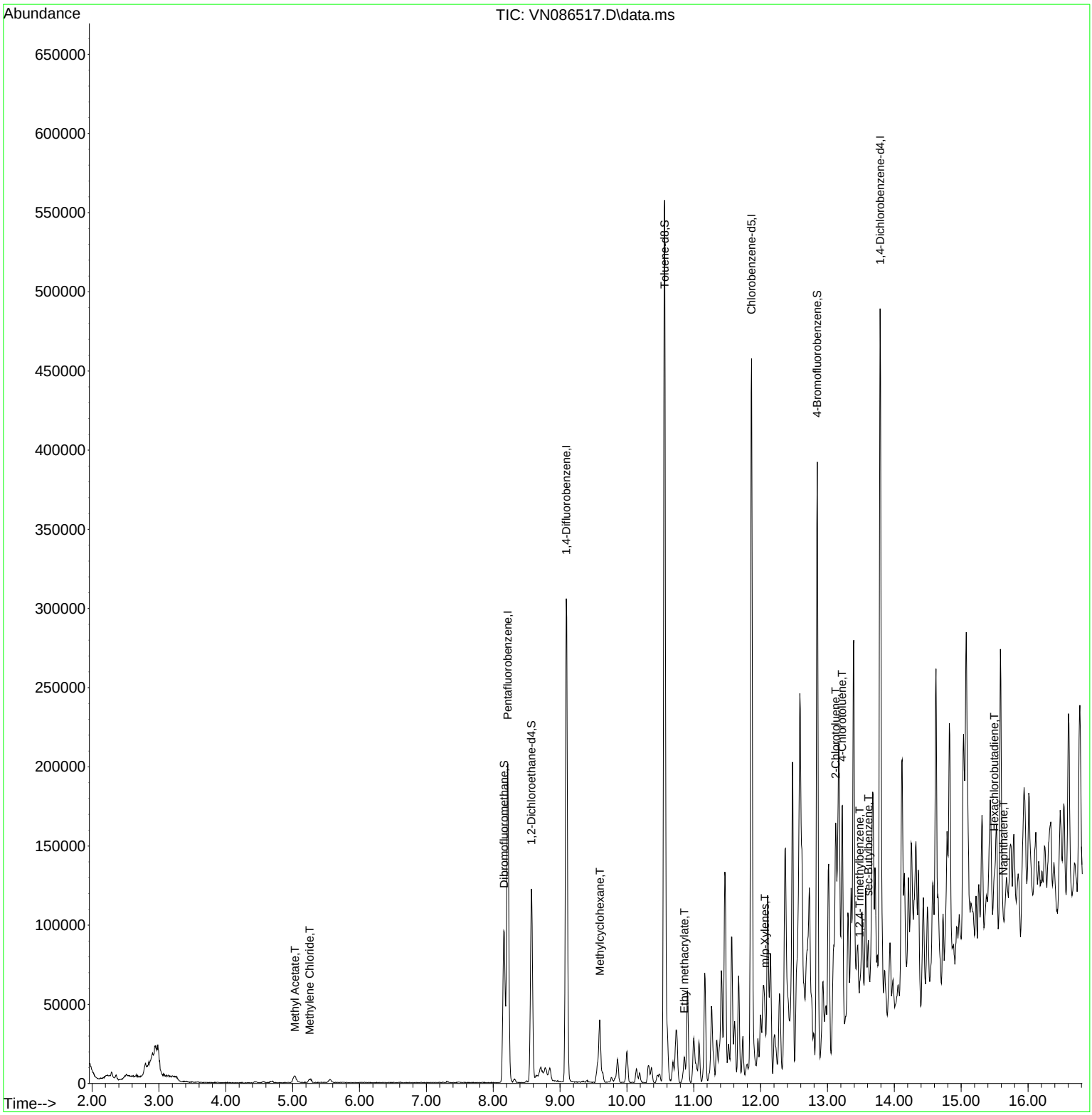
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	146112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	275620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	102195	48.234	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.460%			
35) Dibromofluoromethane	8.165	113	72813	56.921	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.840%			
50) Toluene-d8	10.565	98	356510	52.147	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.300%			
62) 4-Bromofluorobenzene	12.847	95	124373	49.877	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.760%			
Target Compounds						Qvalue
18) Methyl Acetate	5.036	43	10297	4.049	ug/l	90
20) Methylene Chloride	5.253	84	1964	1.003	ug/l #	89
39) Methylcyclohexane	9.594	83	16815	5.537	ug/l	94
56) Ethyl methacrylate	10.859	69	5289	1.566	ug/l #	86
68) m/p-Xylenes	12.065	106	5374	1.314	ug/l	88
79) 2-Chlorotoluene	13.123	91	70464	9.746	ug/l	99
82) 4-Chlorotoluene	13.217	91	39744	5.534	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	13040	1.596	ug/l	98
85) sec-Butylbenzene	13.611	105	12216	1.266	ug/l #	76
94) Hexachlorobutadiene	15.494	225	781	1.091	ug/l	92
95) Naphthalene	15.635	128	12987	1.932	ug/l	96

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

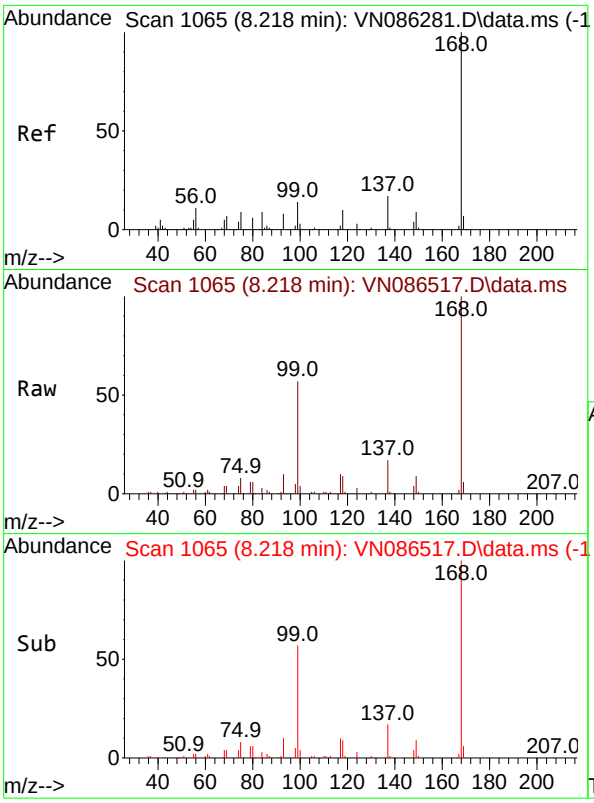
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Time: May 07 02:56:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



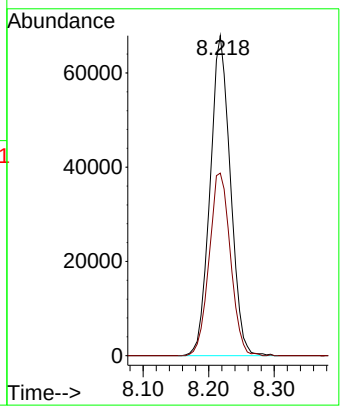
Instrument :
MSVOA_N
ClientSampleId :
GB2

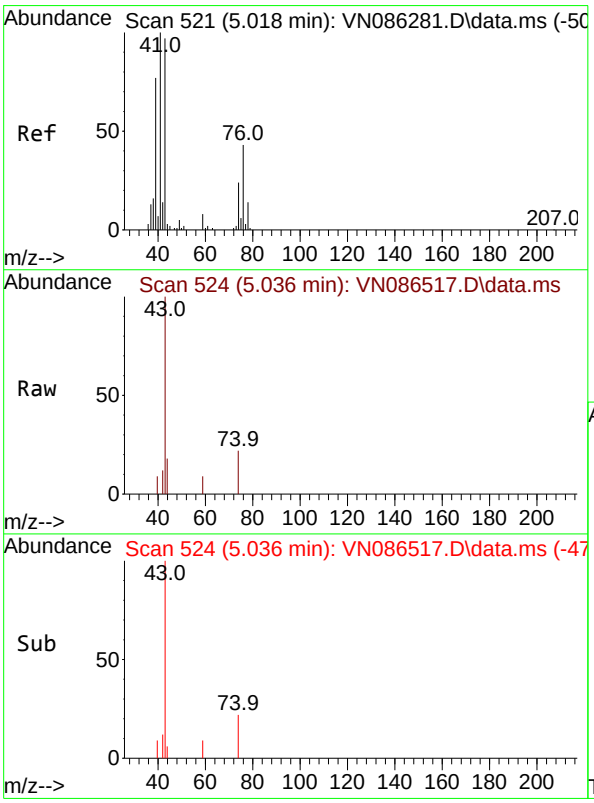


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion:168 Resp: 146112

Ion	Ratio	Lower	Upper
168	100		
99	57.1	52.5	78.7

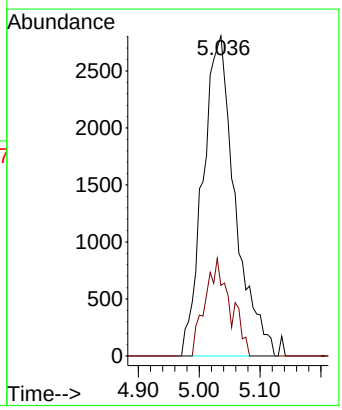


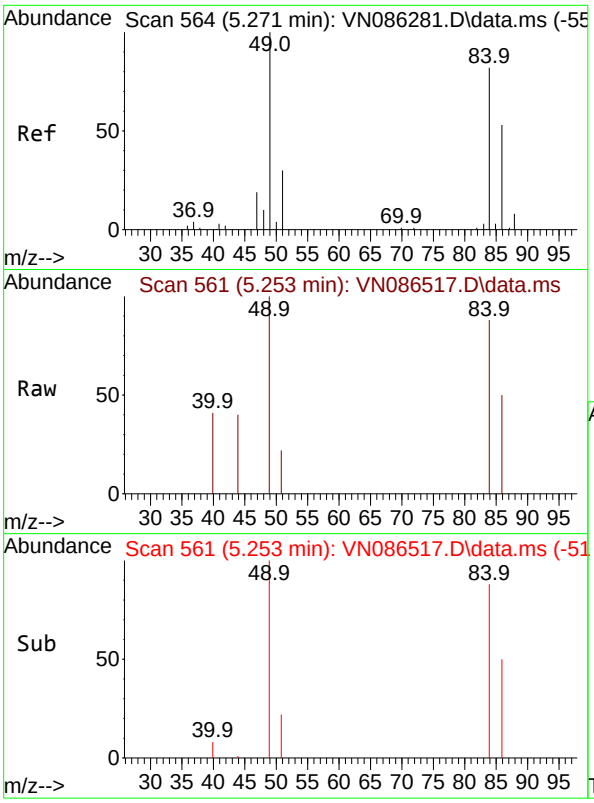


#18
Methyl Acetate
Concen: 4.049 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.017 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 43 Resp: 10297

Ion	Ratio	Lower	Upper
43	100		
74	19.8	19.8	29.6



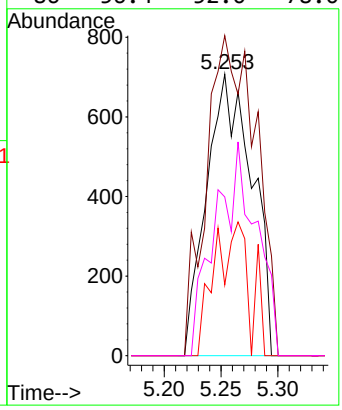


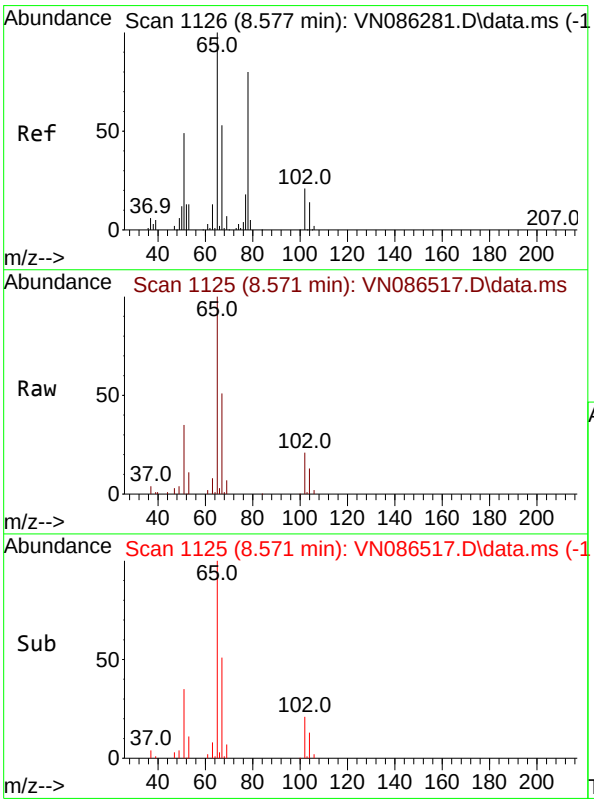
#20
Methylene Chloride
Concen: 1.003 ug/l
RT: 5.253 min Scan# 5
Delta R.T. -0.018 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion: 84 Resp: 1964

Ion	Ratio	Lower	Upper
84	100		
49	113.7	98.2	147.2
51	25.2	29.8	44.6#
86	56.4	52.0	78.0

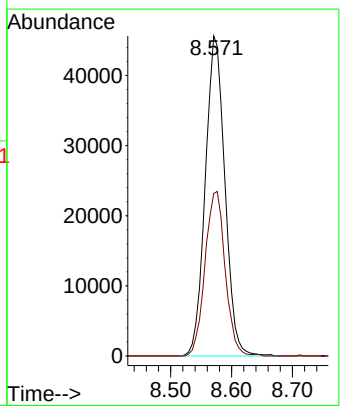


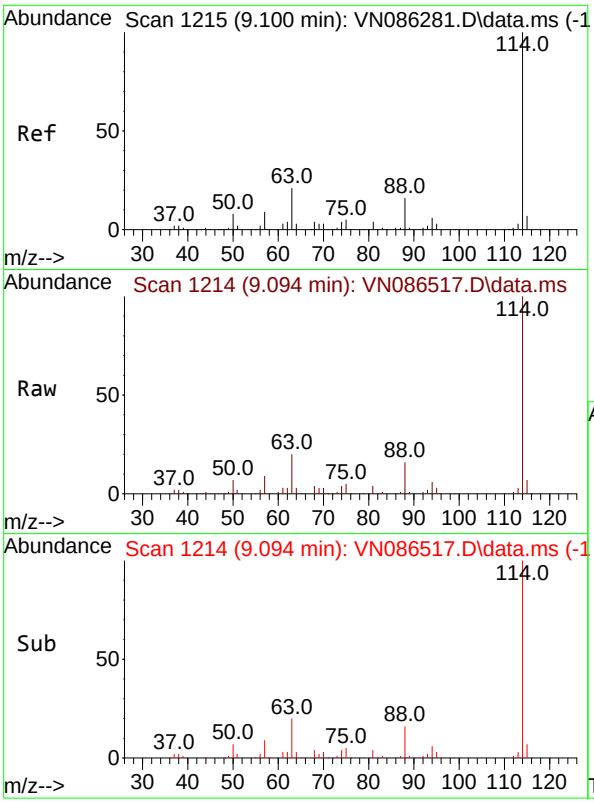


#33
1,2-Dichloroethane-d4
Concen: 48.234 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 65 Resp: 102195

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	106.0



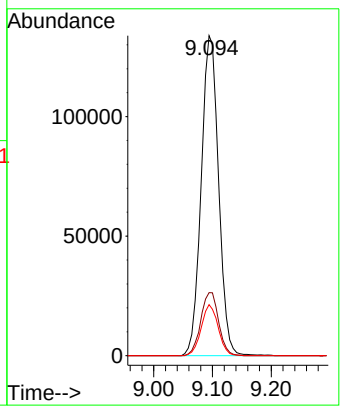


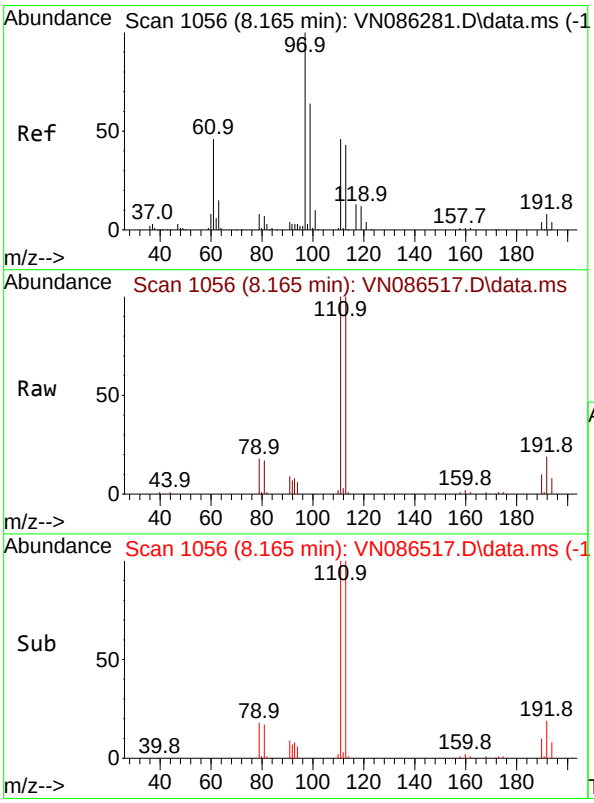
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion:114 Resp: 275620

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	42.6
88	16.0	0.0	31.8

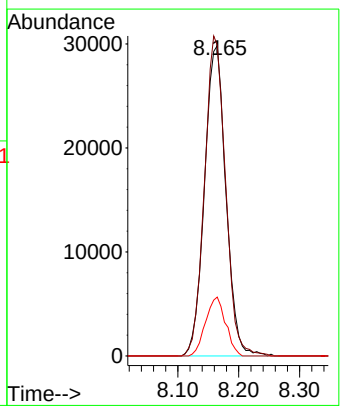


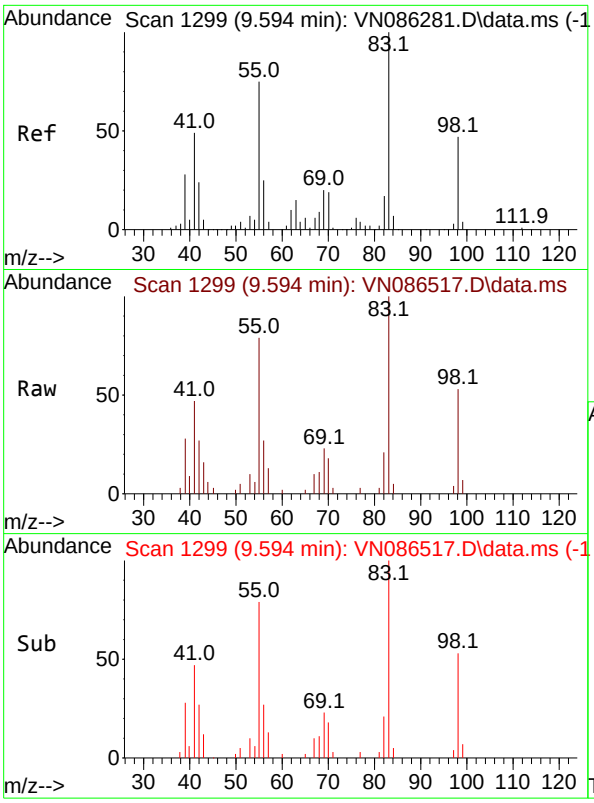


#35
Dibromofluoromethane
Concen: 56.921 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion:113 Resp: 72813

Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.4	125.0
192	17.8	13.7	20.5



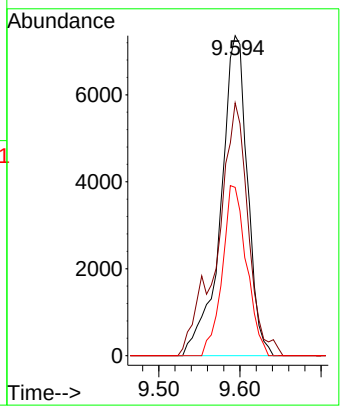


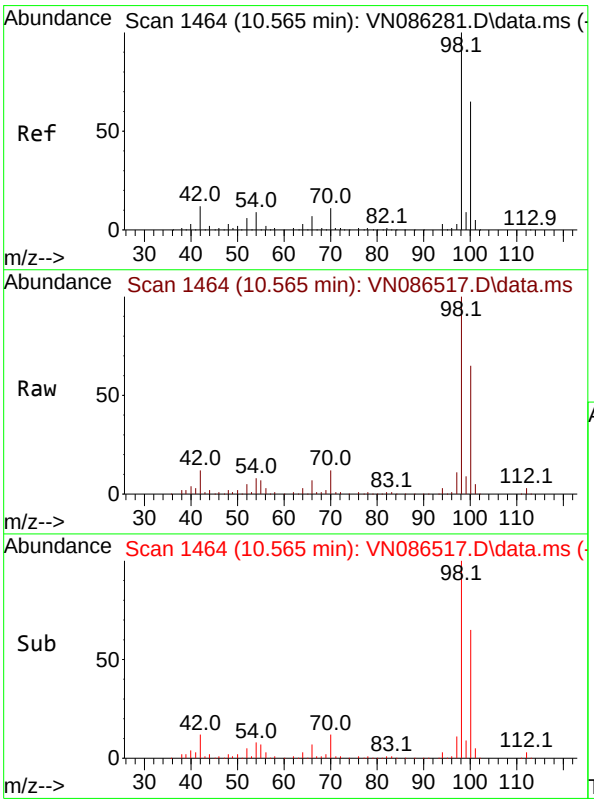
#39
Methylcyclohexane
Concen: 5.537 ug/l
RT: 9.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion: 83 Resp: 16815

Ion	Ratio	Lower	Upper
83	100		
55	79.0	59.8	89.8
98	52.6	37.9	56.9

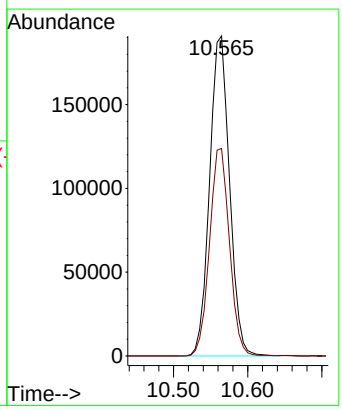


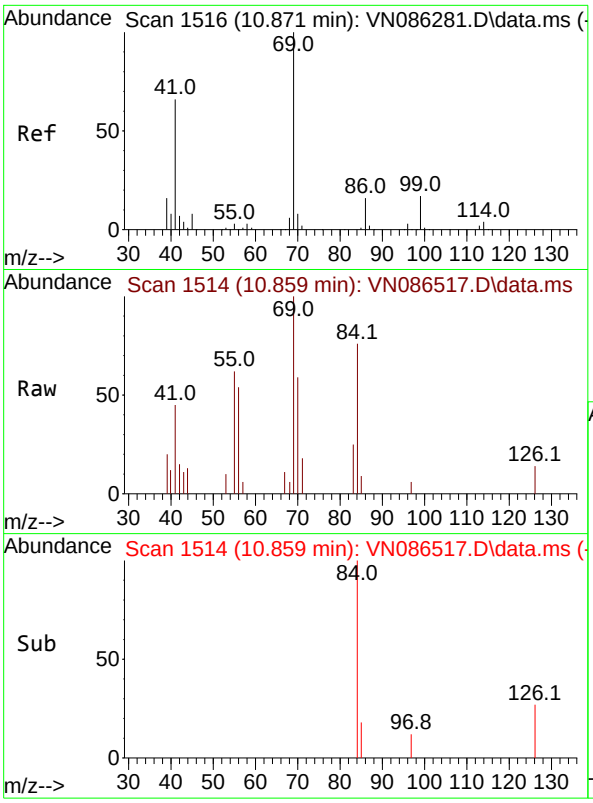


#50
Toluene-d8
Concen: 52.147 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 98 Resp: 356510

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.5	78.7



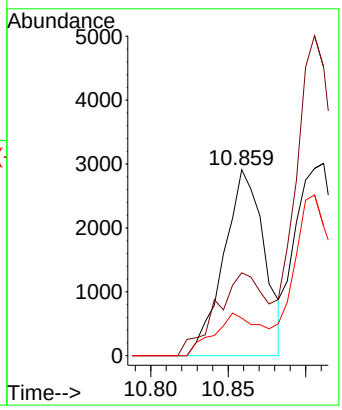


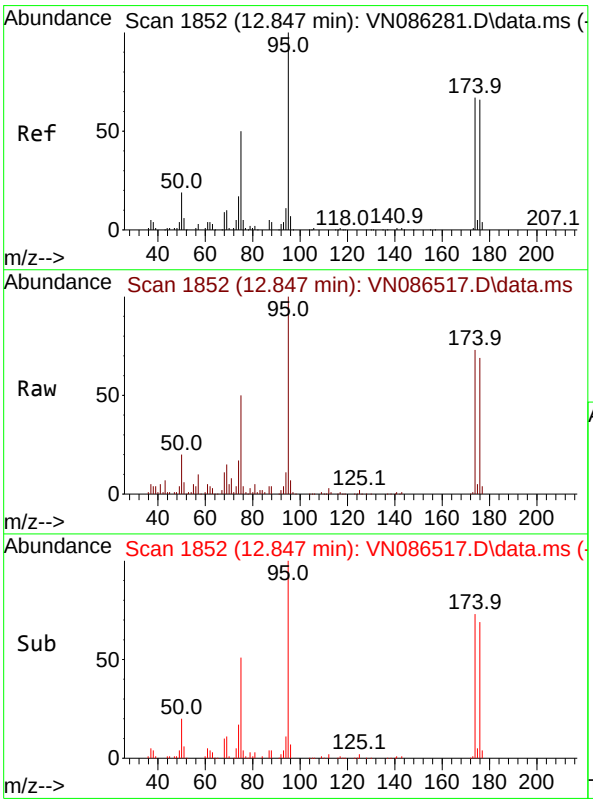
#56
Ethyl methacrylate
Concen: 1.566 ug/l
RT: 10.859 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion: 69 Resp: 5289

Ion	Ratio	Lower	Upper
69	100		
41	52.8	51.7	77.5
39	26.2	26.3	39.5#

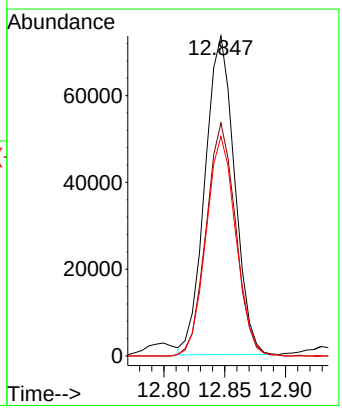


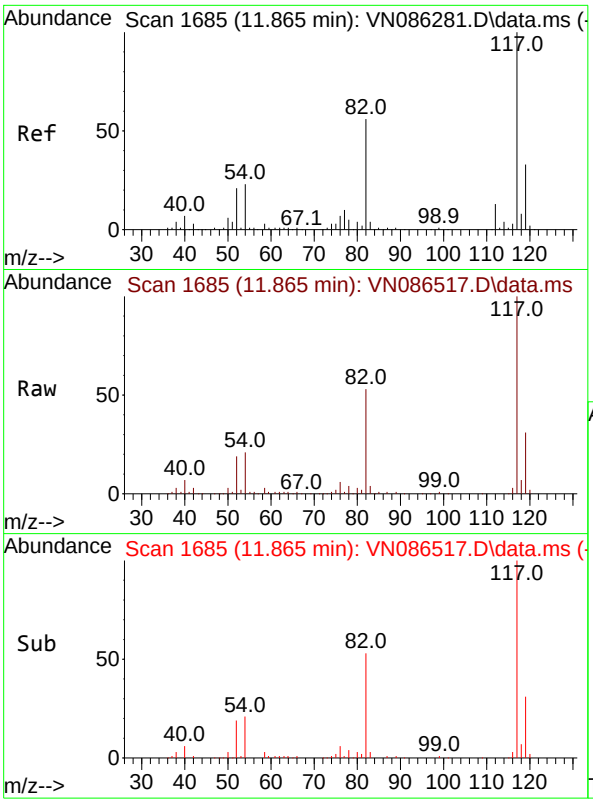


#62
4-Bromofluorobenzene
Concen: 49.877 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 95 Resp: 124373

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	133.4
176	69.4	0.0	129.2



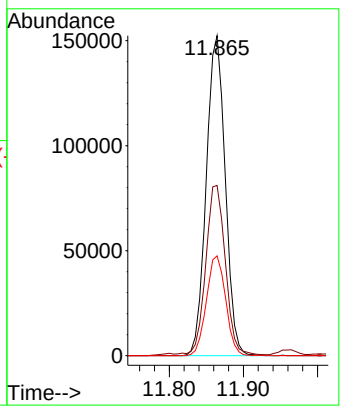


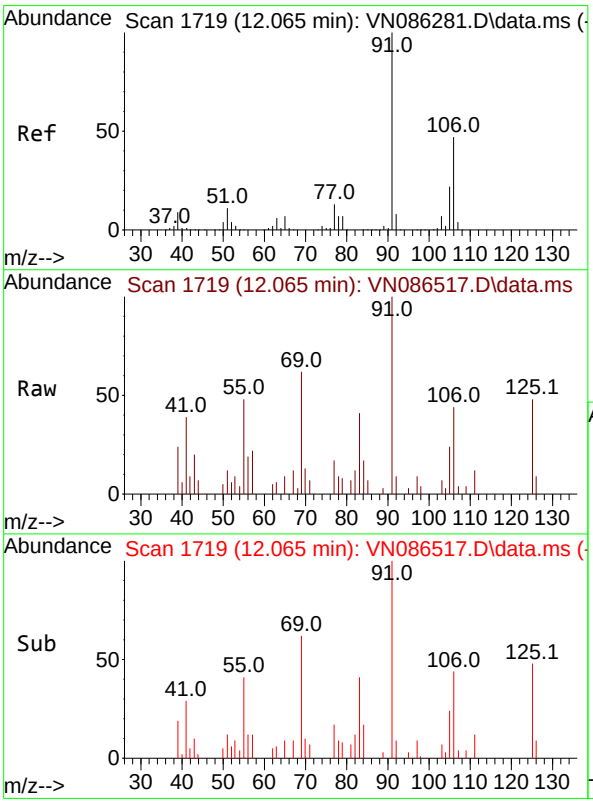
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion:117 Resp: 271043

Ion	Ratio	Lower	Upper
117	100		
82	52.6	44.7	67.1
119	31.2	26.4	39.6

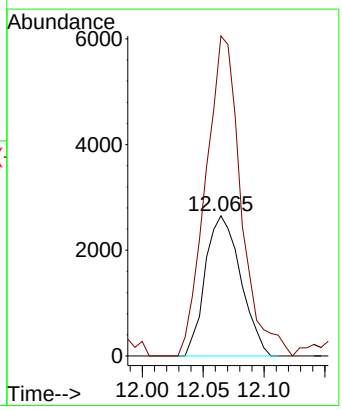


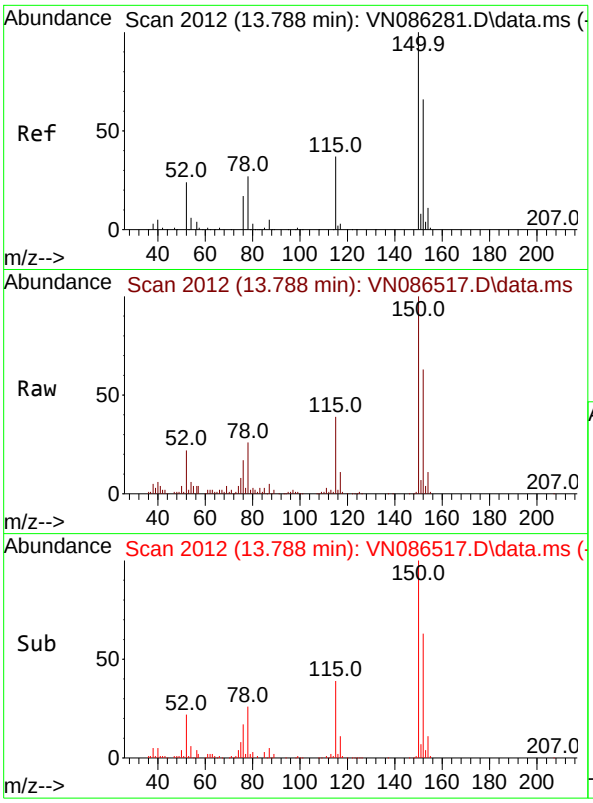


#68
m/p-Xylenes
Concen: 1.314 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion:106 Resp: 5374

Ion	Ratio	Lower	Upper
106	100		
91	227.0	166.5	249.7



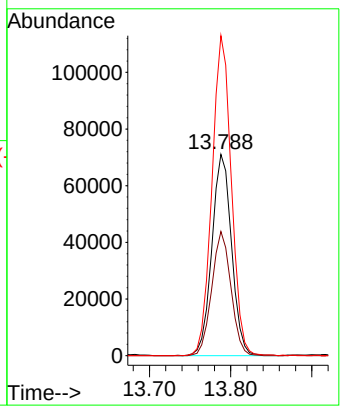


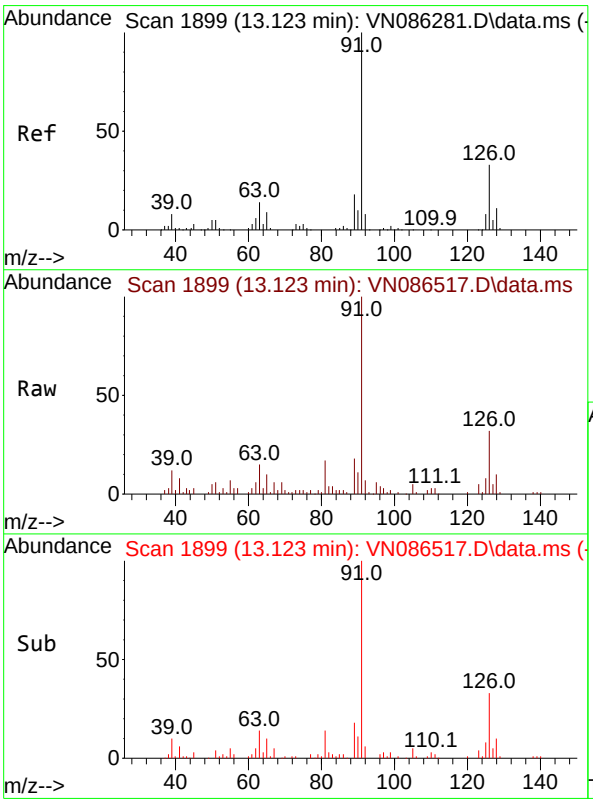
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion:152 Resp: 119869

Ion	Ratio	Lower	Upper
152	100		
115	60.0	31.9	95.9
150	156.1	0.0	352.0

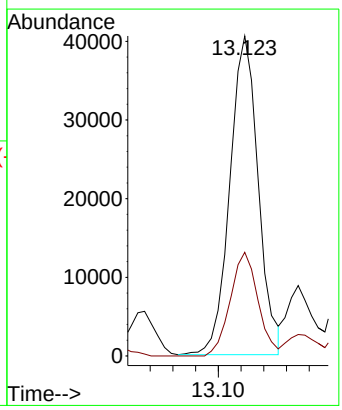


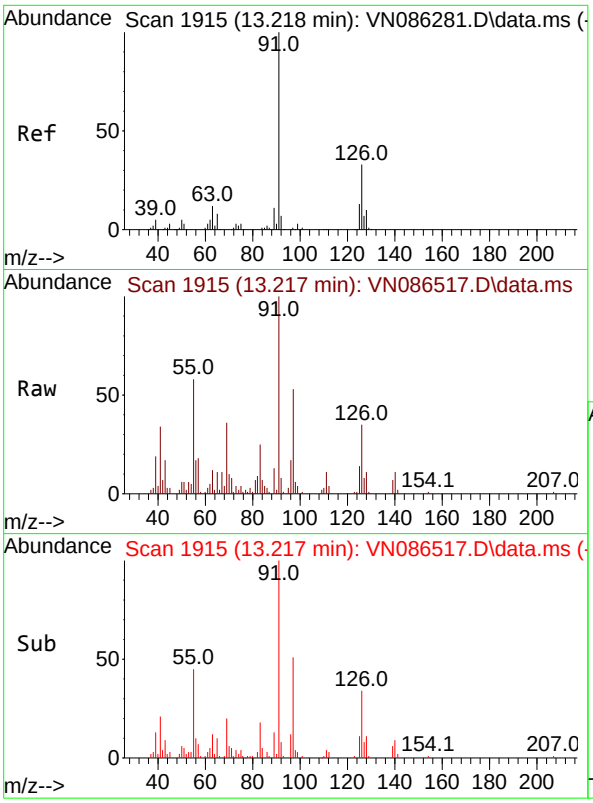


#79
2-Chlorotoluene
Concen: 9.746 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 91 Resp: 70464

Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.1	48.2



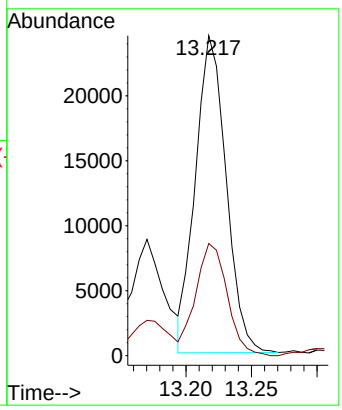


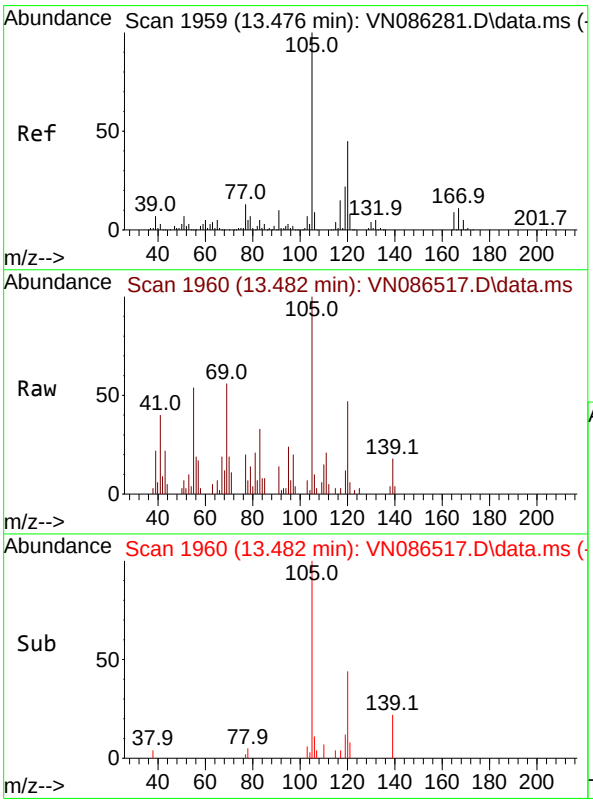
#82
4-Chlorotoluene
Concen: 5.534 ug/l
RT: 13.217 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion: 91 Resp: 39744

Ion	Ratio	Lower	Upper
91	100		
126	36.3	16.2	48.6

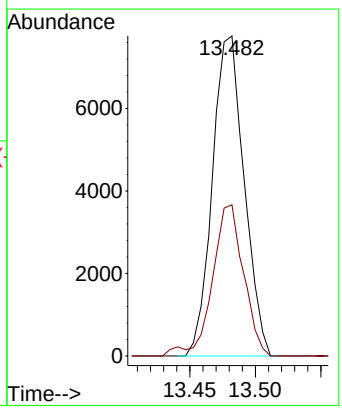




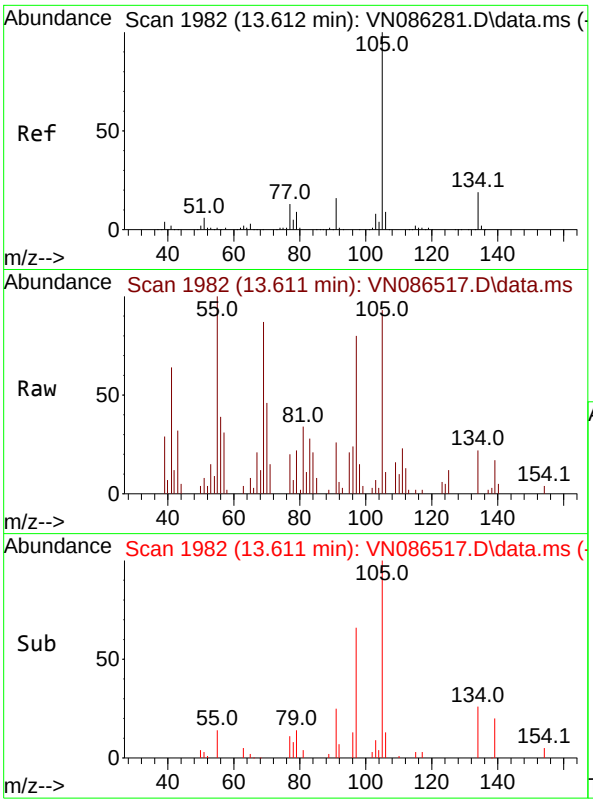
#84
1,2,4-Trimethylbenzene
Concen: 1.596 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion:105 Resp: 13040

Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.4	67.3



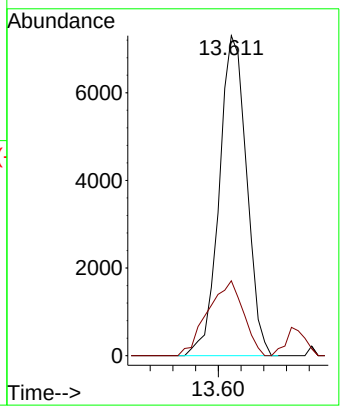
Instrument :
MSVOA_N
ClientSampleId :
GB2

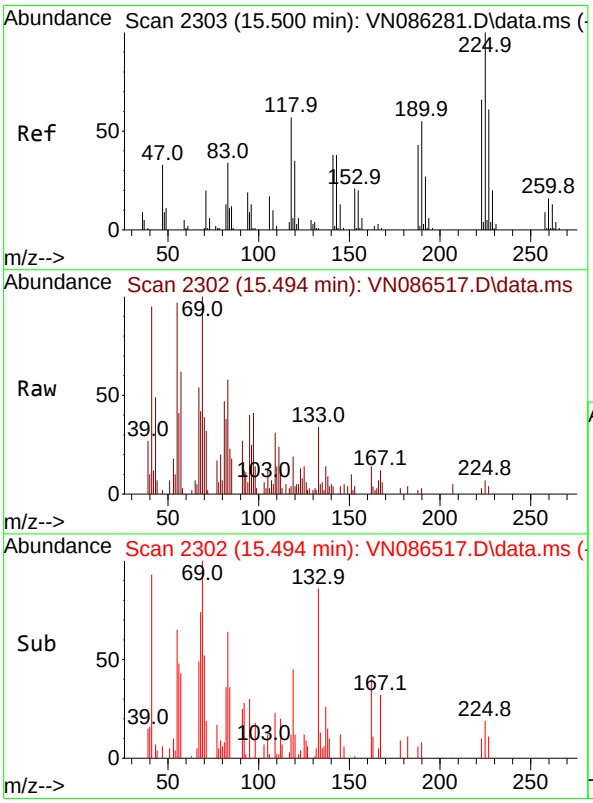


#85
sec-Butylbenzene
Concen: 1.266 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion:105 Resp: 12216

Ion	Ratio	Lower	Upper
105	100		
134	30.5	9.7	29.1#

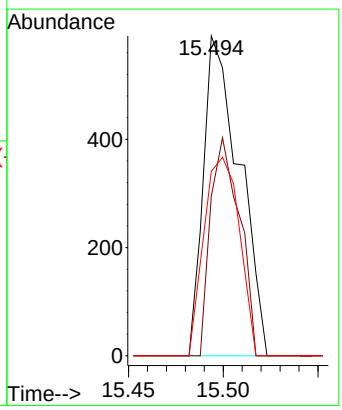


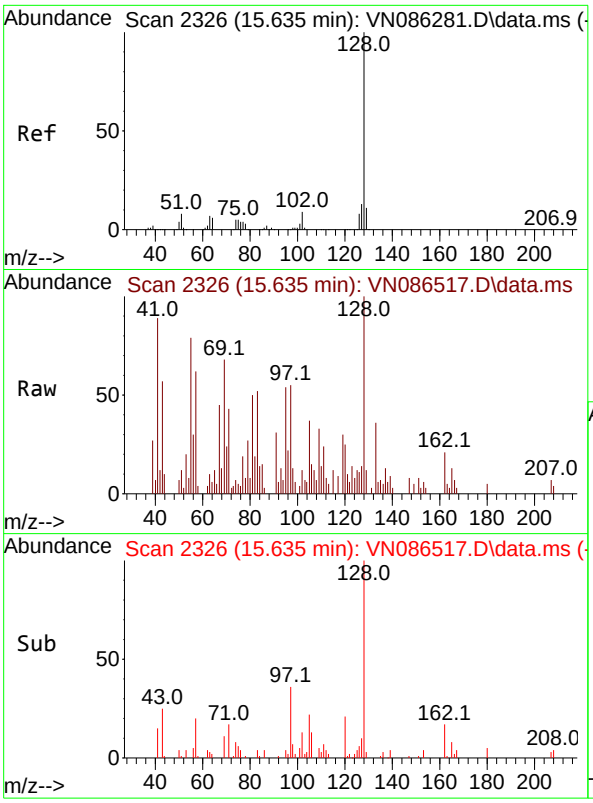


#94
Hexachlorobutadiene
Concen: 1.091 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion:225 Resp: 781

Ion	Ratio	Lower	Upper
225	100		
223	55.1	32.8	98.3
227	61.2	31.4	94.0



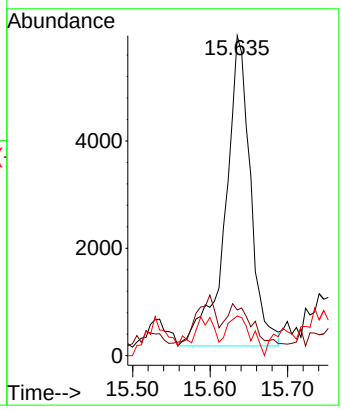


#95
Naphthalene
Concen: 1.932 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion:128 Resp: 12987

Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.2	15.4
129	12.4	8.6	13.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

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\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086517.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.800	136	144	147	rBV3	7505	17112	1.56%	0.110%
2	5.030	516	523	540	rVB3	4259	14613	1.33%	0.094%
3	8.159	1045	1055	1060	rBV	95850	235288	21.49%	1.509%
4	8.218	1060	1065	1077	rVB	201222	429203	39.21%	2.753%
5	8.571	1116	1125	1133	rBV	121996	274168	25.05%	1.758%
6	8.712	1142	1149	1155	rBV6	5893	17203	1.57%	0.110%
7	8.776	1157	1160	1166	rVV4	6758	15798	1.44%	0.101%
8	8.847	1167	1172	1181	rVB4	8123	18727	1.71%	0.120%
9	9.094	1206	1214	1226	rBV	305120	623333	56.94%	3.998%
10	9.594	1286	1299	1314	rBV5	39777	113743	10.39%	0.729%
11	9.859	1334	1344	1353	rVB4	14857	34431	3.15%	0.221%
12	10.000	1360	1368	1375	rBV3	19680	38485	3.52%	0.247%
13	10.141	1387	1392	1397	rBV2	8662	16663	1.52%	0.107%
14	10.323	1417	1423	1427	rBV2	10815	24025	2.19%	0.154%
15	10.365	1427	1430	1440	rVB2	9510	17125	1.56%	0.110%
16	10.565	1456	1464	1478	rBV	556289	1094659	100.00%	7.021%
17	10.688	1480	1485	1488	rBV4	11749	19988	1.83%	0.128%
18	10.741	1488	1494	1502	rVB4	33331	83607	7.64%	0.536%
19	10.859	1506	1514	1517	rBV3	15963	33271	3.04%	0.213%
20	10.906	1517	1522	1530	rVB	58202	108823	9.94%	0.698%
21	11.000	1531	1538	1548	rBV6	27928	79258	7.24%	0.508%
22	11.076	1548	1551	1558	rVB3	25009	40926	3.74%	0.262%
23	11.165	1558	1566	1573	rBV	68643	125743	11.49%	0.806%
24	11.265	1573	1583	1592	rBV	46986	112487	10.28%	0.721%
25	11.347	1592	1597	1600	rBV4	21882	38092	3.48%	0.244%
26	11.412	1600	1608	1612	rVV	58621	113308	10.35%	0.727%
27	11.465	1612	1617	1623	rVB	120591	222053	20.29%	1.424%
28	11.517	1623	1626	1630	rBV2	11723	15910	1.45%	0.102%
29	11.565	1630	1634	1639	rVV	77915	127925	11.69%	0.820%
30	11.612	1639	1642	1647	rVB3	32185	48744	4.45%	0.313%
31	11.670	1647	1652	1658	rVB	61322	101204	9.25%	0.649%
32	11.735	1658	1663	1668	rVB	24441	36061	3.29%	0.231%
33	11.800	1668	1674	1676	rBV6	6777	12696	1.16%	0.081%
34	11.865	1677	1685	1697	rBV	448058	820332	74.94%	5.261%
35	11.959	1697	1701	1704	rBV4	17147	23985	2.19%	0.154%
36	12.000	1704	1708	1711	rBV2	26776	42445	3.88%	0.272%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

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\82N041525W.M
Title : SW846 8260

37	12.041	1711	1715	1721	rVV6	41918	104485	9.54%	0.670%
38	12.106	1721	1726	1730	rVV	98122	170569	15.58%	1.094%
39	12.147	1730	1733	1739	rVB3	75691	125437	11.46%	0.804%
40	12.206	1739	1743	1751	rBV3	24629	63721	5.82%	0.409%
41	12.282	1751	1756	1763	rVB4	47615	93924	8.58%	0.602%
42	12.370	1763	1771	1782	rBV6	139208	416326	38.03%	2.670%
43	12.476	1783	1789	1794	rVB	188828	336389	30.73%	2.157%
44	12.588	1794	1808	1821	rBV4	232233	912310	83.34%	5.851%
45	12.729	1821	1832	1841	rVB8	95566	346905	31.69%	2.225%
46	12.847	1846	1852	1859	rVB	376450	628695	57.43%	4.032%
47	12.935	1859	1867	1870	rBV5	48185	103106	9.42%	0.661%
48	13.017	1876	1881	1887	rVB4	119650	223193	20.39%	1.431%
49	13.123	1887	1899	1902	rBV2	145631	403834	36.89%	2.590%
50	13.170	1902	1907	1912	rVV3	173993	404493	36.95%	2.594%
51	13.223	1912	1916	1922	rVB3	137937	229224	20.94%	1.470%
52	13.306	1925	1930	1934	rBV4	65479	113490	10.37%	0.728%
53	13.353	1934	1938	1940	rVV3	60408	78674	7.19%	0.505%
54	13.394	1940	1945	1951	rVB	208548	336090	30.70%	2.156%
55	13.517	1963	1966	1971	rVB2	46466	64611	5.90%	0.414%
56	13.570	1971	1975	1979	rVV3	62231	93118	8.51%	0.597%
57	13.611	1979	1982	1986	rVV3	29966	41030	3.75%	0.263%
58	13.676	1986	1993	1997	rVV4	124590	282793	25.83%	1.814%
59	13.711	1997	1999	2003	rVV2	77668	106339	9.71%	0.682%
60	13.788	2006	2012	2020	rVV	432351	762064	69.62%	4.888%
61	13.853	2020	2023	2030	rVB5	28438	55151	5.04%	0.354%
62	13.935	2031	2037	2041	rBV7	44198	85541	7.81%	0.549%
63	14.117	2061	2068	2071	rBV3	149299	292308	26.70%	1.875%
64	14.211	2080	2084	2087	rBV3	54385	82422	7.53%	0.529%
65	14.253	2087	2091	2096	rVV4	72042	140178	12.81%	0.899%
66	14.323	2100	2103	2107	rVV	65400	106671	9.74%	0.684%
67	14.358	2107	2109	2115	rVB	86189	125404	11.46%	0.804%
68	14.435	2116	2122	2127	rBV4	67933	138238	12.63%	0.887%
69	14.494	2128	2132	2138	rVB6	47368	82568	7.54%	0.530%
70	14.576	2142	2146	2149	rBV3	50391	90884	8.30%	0.583%
71	14.623	2149	2154	2158	rBV3	155420	229340	20.95%	1.471%
72	14.729	2168	2172	2175	rBV4	44106	67424	6.16%	0.432%
73	14.788	2179	2182	2185	rVV2	84466	145414	13.28%	0.933%
74	14.823	2185	2188	2195	rVB	144133	258228	23.59%	1.656%
75	15.035	2219	2224	2227	rBV4	128417	251903	23.01%	1.616%
76	15.076	2227	2231	2241	rVB2	181618	404378	36.94%	2.594%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

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\82N041525W.M
Title : SW846 8260

77	15.223	2253	2256	2259	rVB4	26810	30928	2.83%	0.198%
78	15.264	2259	2263	2266	rBV4	34033	53228	4.86%	0.341%
79	15.311	2267	2271	2276	rVB5	71697	122223	11.17%	0.784%
80	15.588	2313	2318	2327	rBV	175483	305988	27.95%	1.962%
81	15.941	2370	2378	2385	rBV8	89442	293463	26.81%	1.882%
82	16.011	2387	2390	2400	rVB8	67583	155718	14.23%	0.999%
83	16.605	2486	2491	2500	rVB	115019	235623	21.52%	1.511%
84	16.776	2514	2520	2522	rBV2	111178	206453	18.86%	1.324%

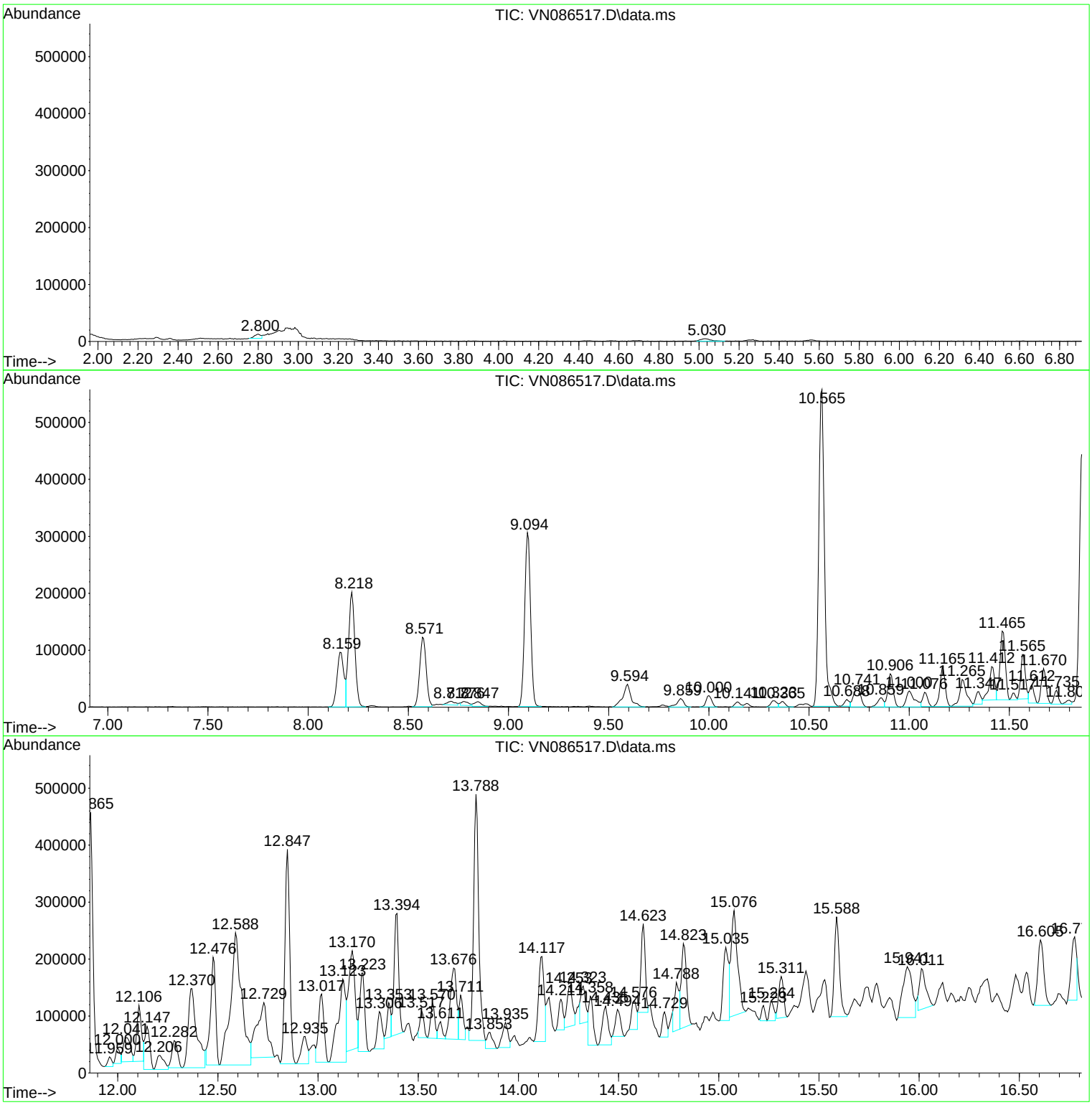
Sum of corrected areas: 15591930

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

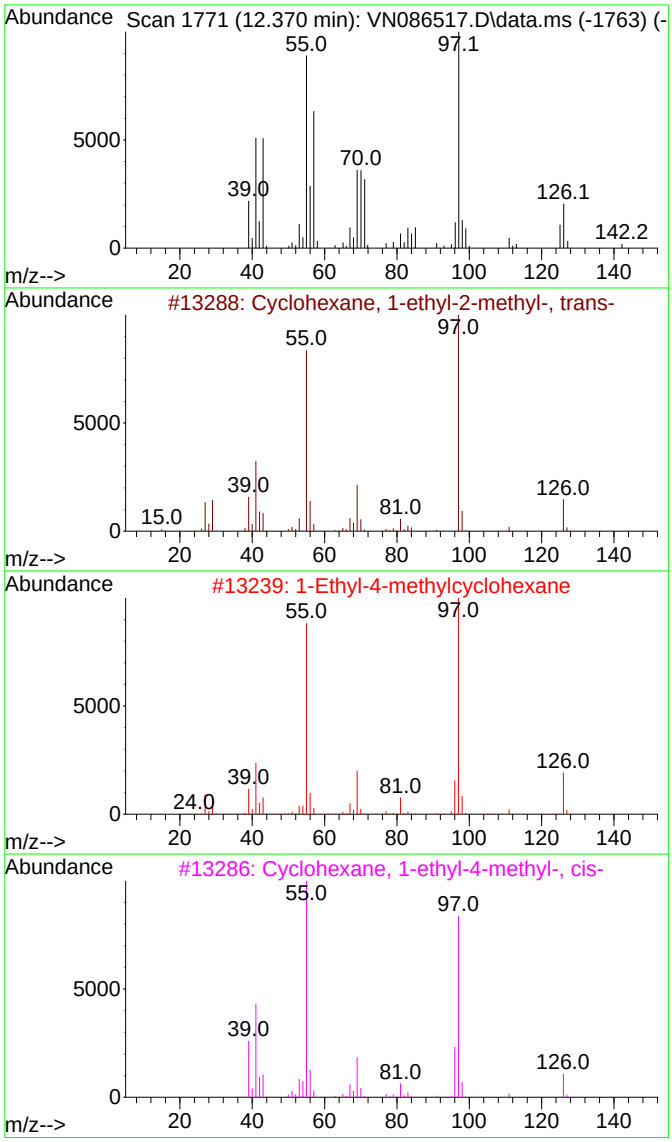
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

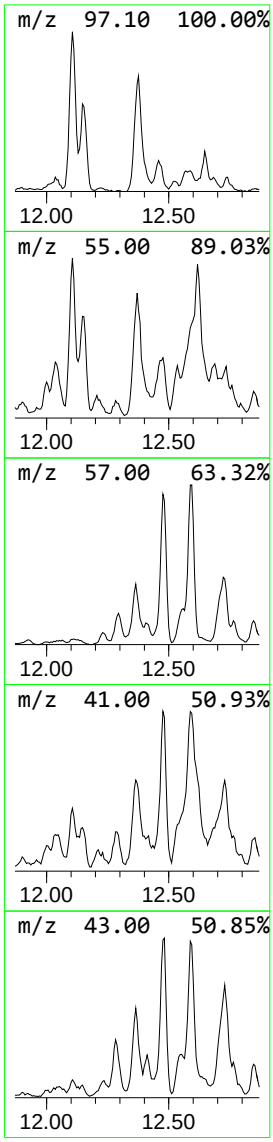
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.370	25.38 ug/l	416326	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	53
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	53
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	49
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

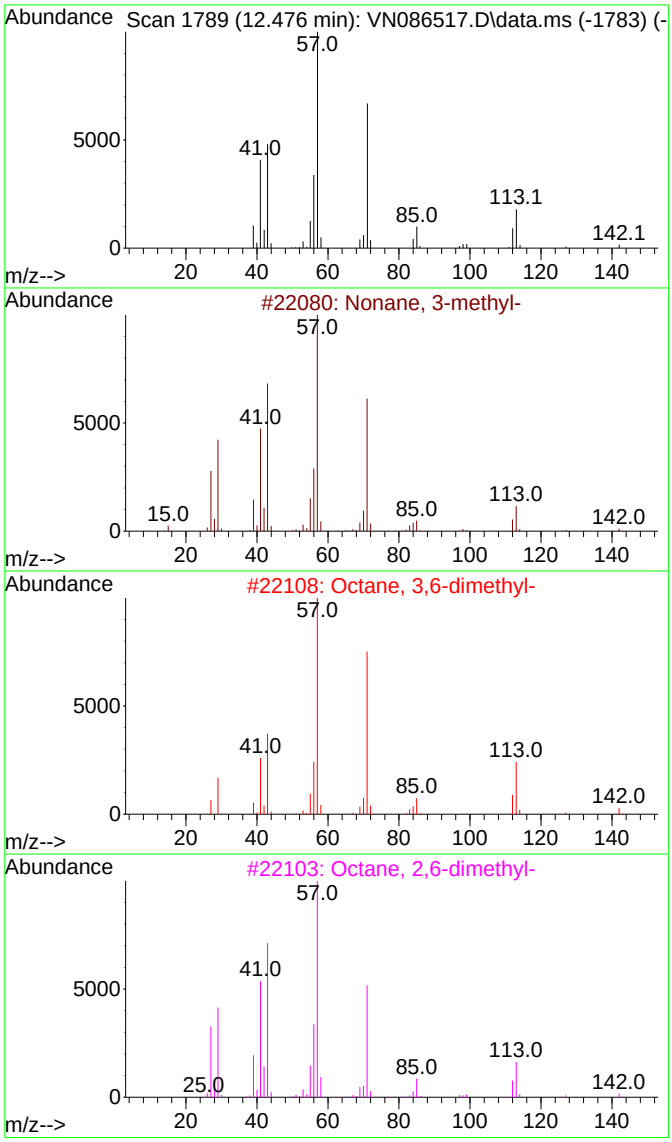
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

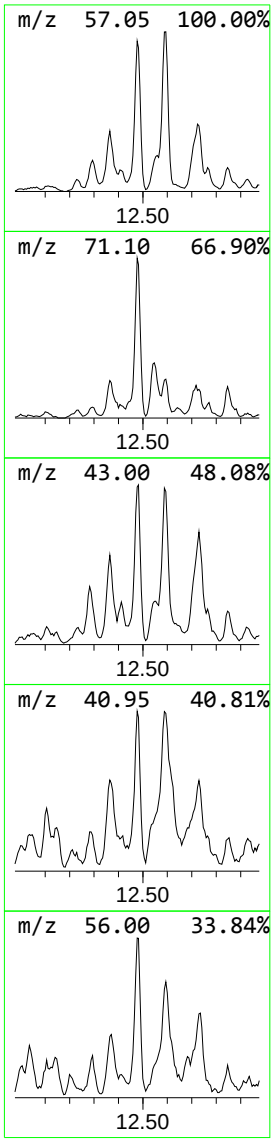
****

Peak Number 2 Nonane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.476	20.50 ug/l	336389	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

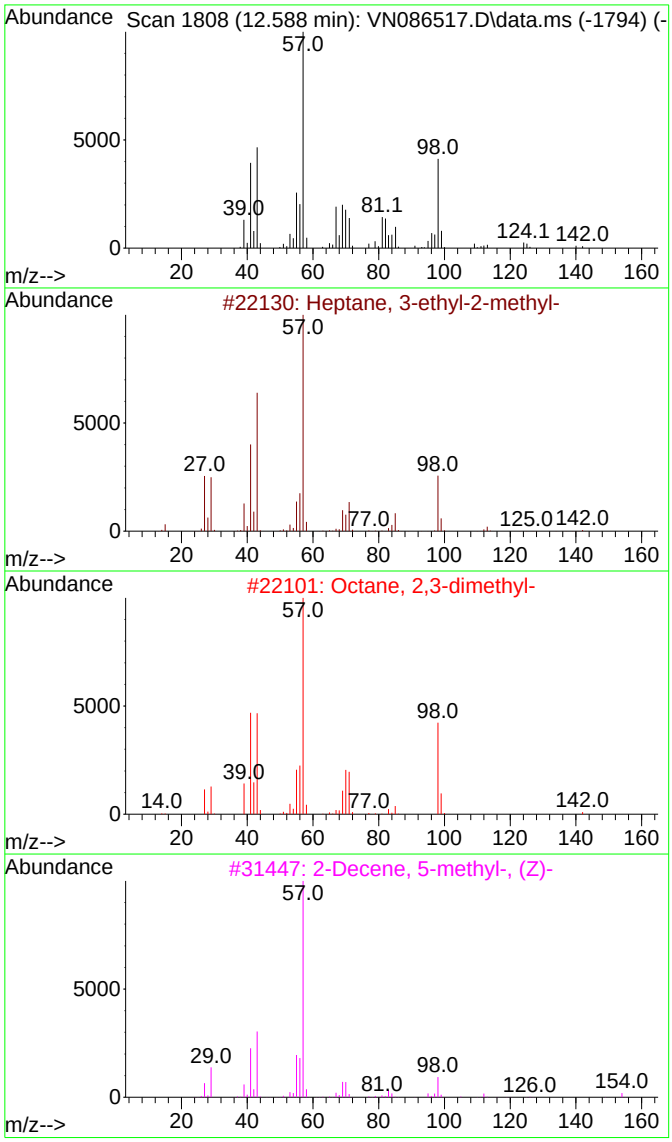
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

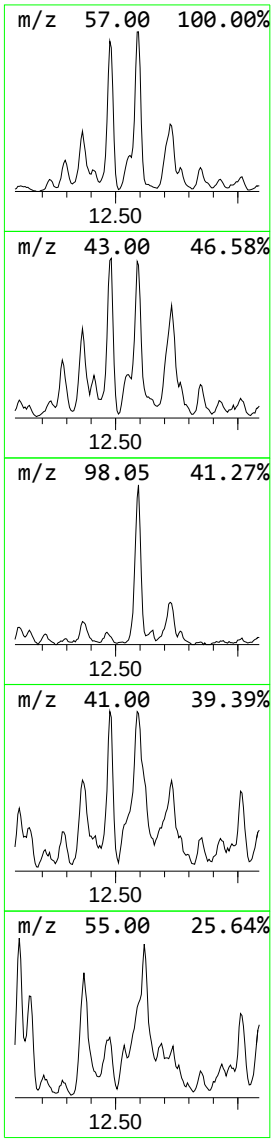
****

Peak Number 3 Heptane, 3-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.588	55.61 ug/l	912310	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	62
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53
3	2-Decene, 5-methyl-, (Z)-	154	C11H22	074645-86-6	38
4	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	35
5	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	27





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Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SW846 8260

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

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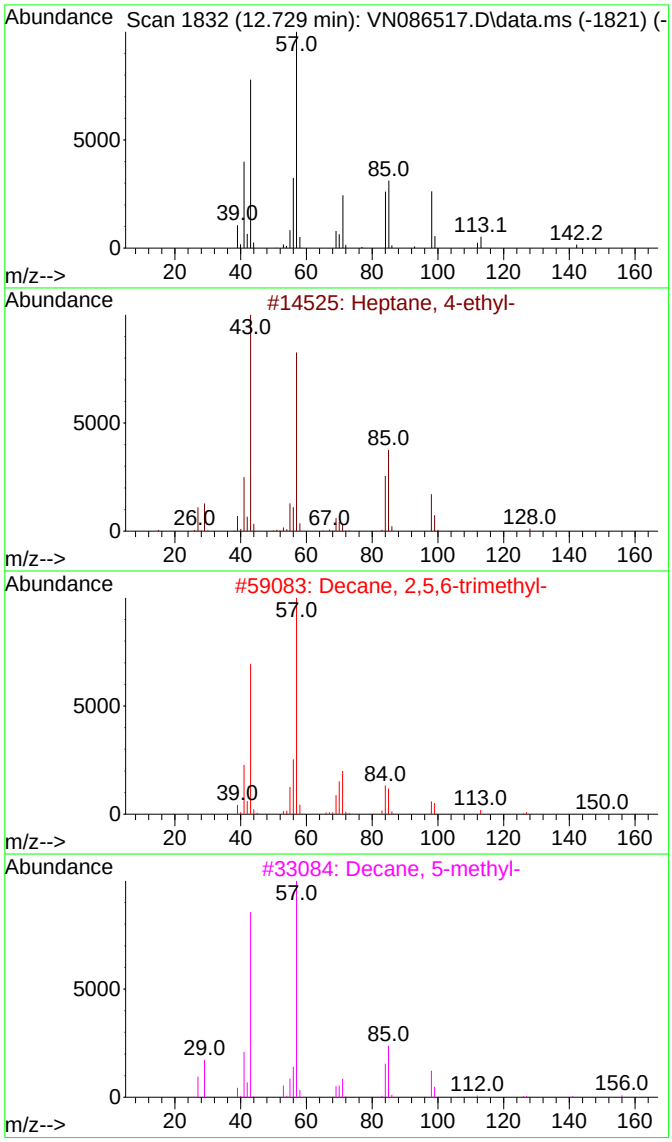
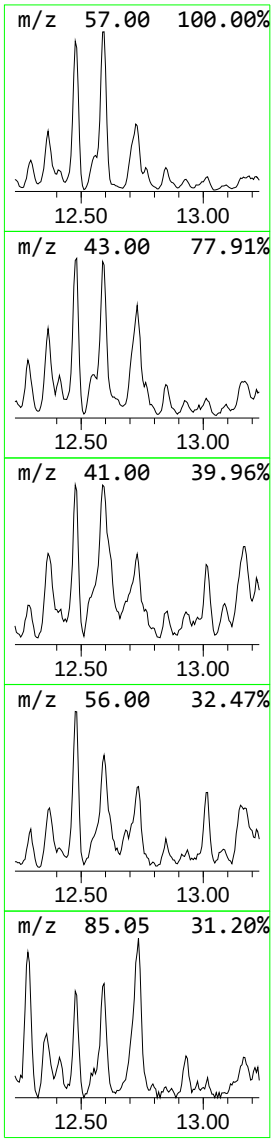
Peak Number 4 Heptane, 4-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.729	21.14 ug/l	346905	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-ethyl-	128	C9H20	002216-32-2	53
2	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53
3	Decane, 5-methyl-	156	C11H24	013151-35-4	50
4	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	47
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47





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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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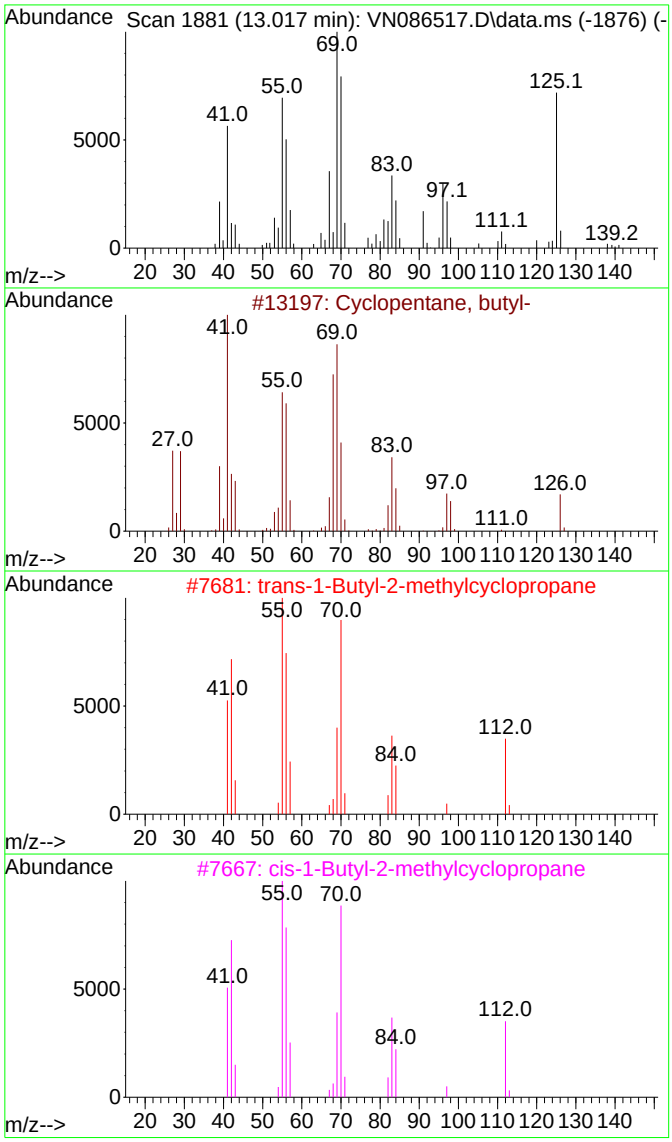
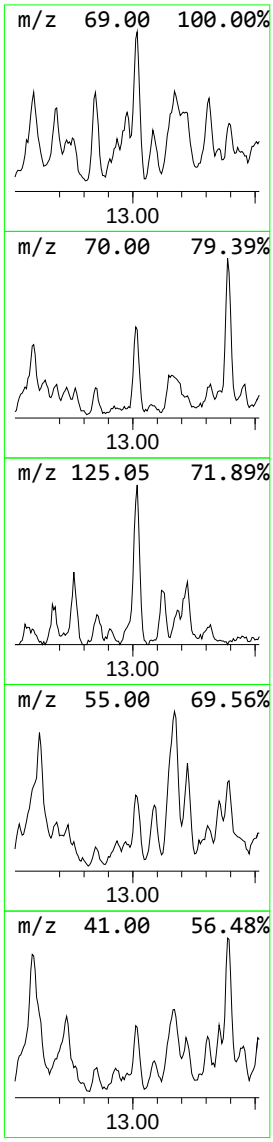
Peak Number 5 Cyclopentane, butyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.017	14.64 ug/l	223193	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, butyl-	126	C9H18	002040-95-1	52
2	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50
3	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
4	(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-04-0	35
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	30





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Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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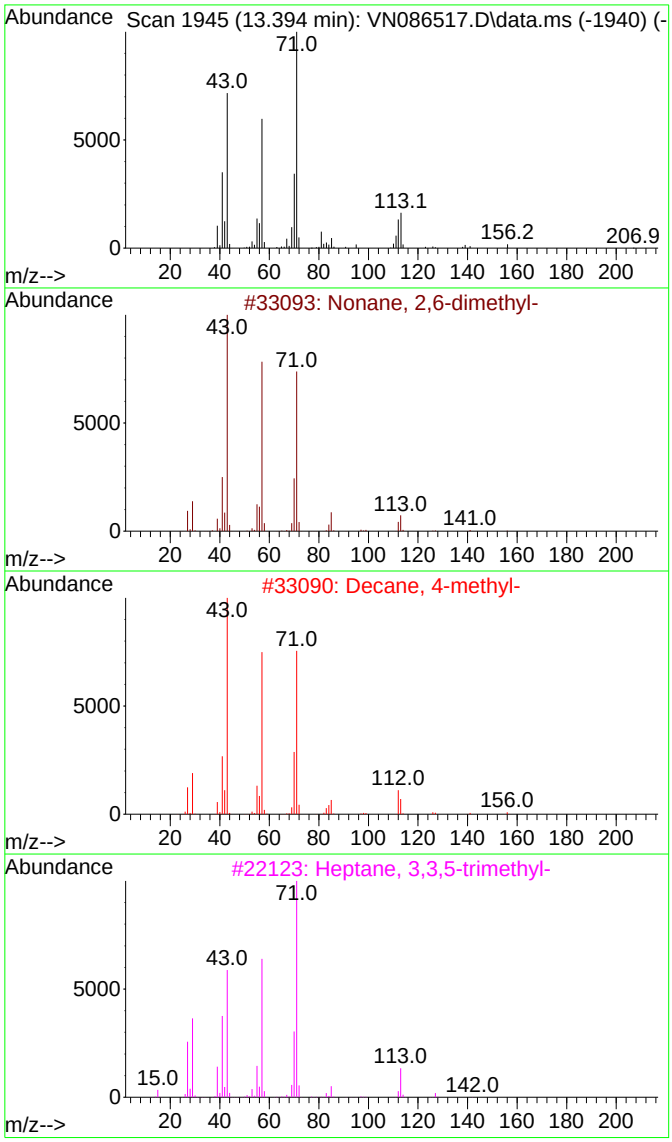
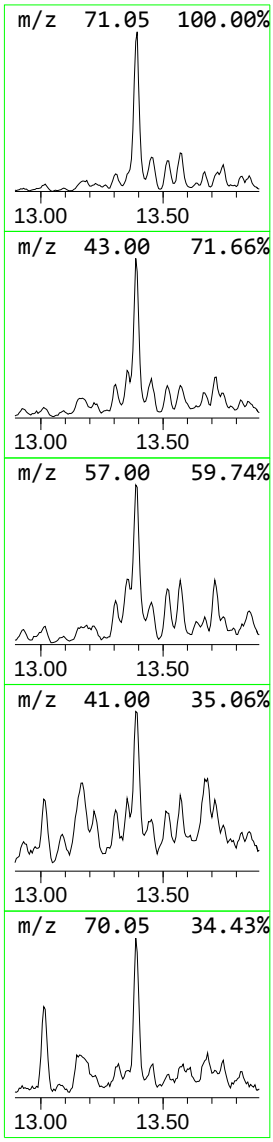
Peak Number 6 Nonane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.394	22.05 ug/l	336090	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	83
2	Decane, 4-methyl-	156	C11H24	002847-72-5	80
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
4	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	78
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	64





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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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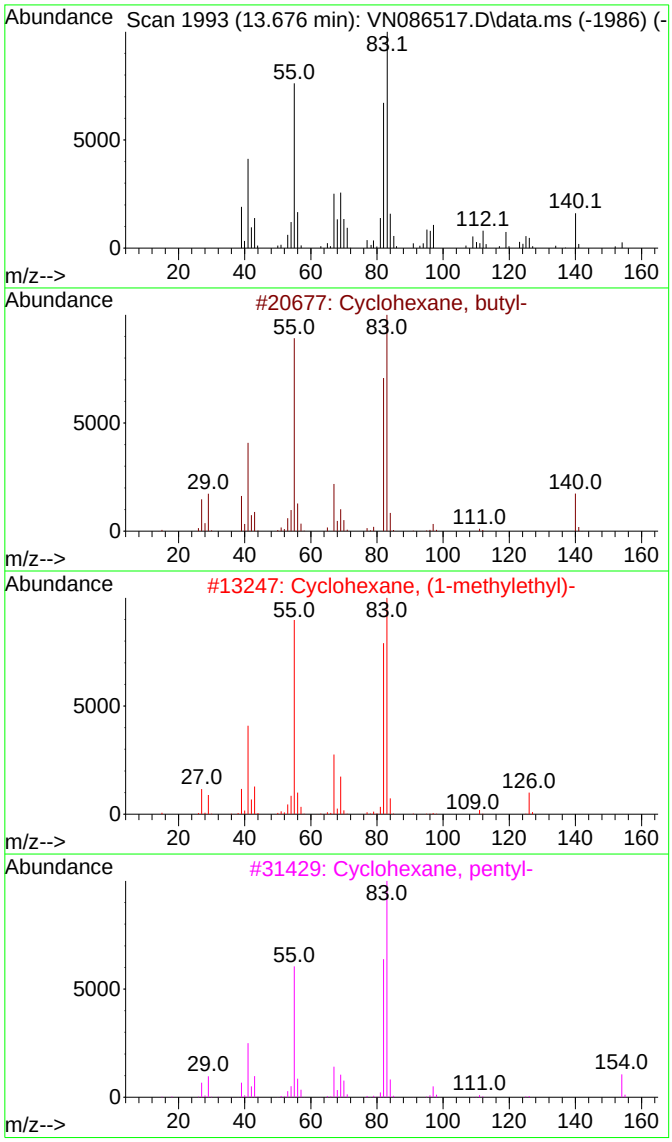
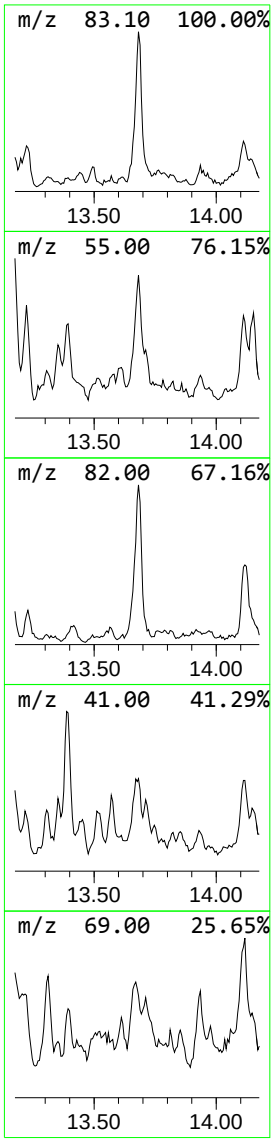
Peak Number 7 Cyclohexane, butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	18.55 ug/l	282793	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	64





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Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
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Quant Title : SW846 8260

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

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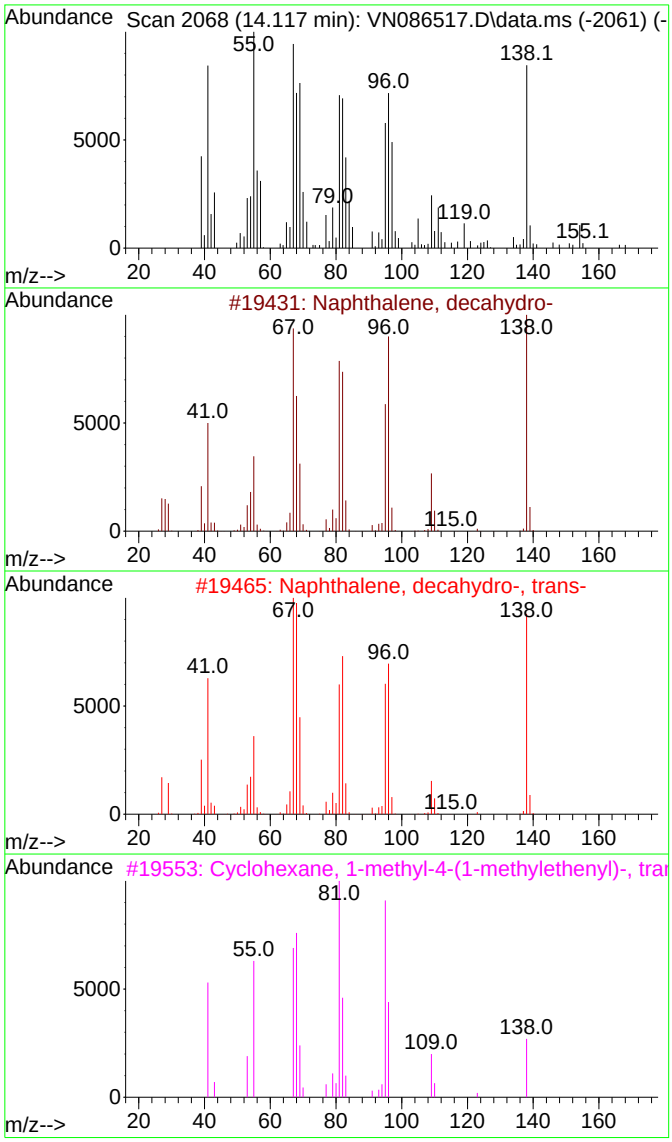
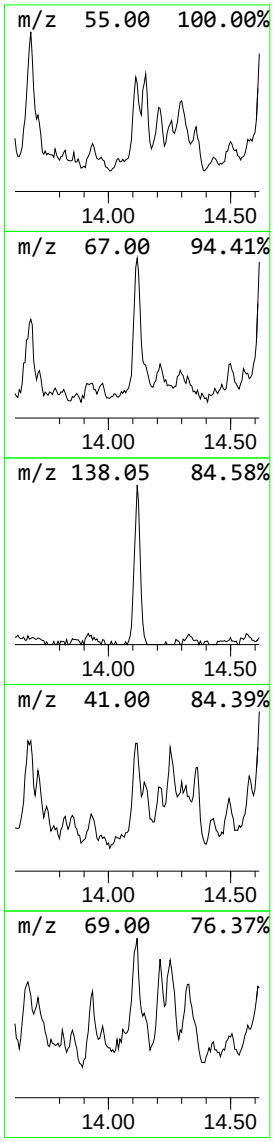
Peak Number 8 Naphthalene, decahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.117	19.18 ug/l	292308	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	97
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	92
3	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	83
4	9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	74
5	Spiro[4.5]decane	138	C10H18	000176-63-6	60





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Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
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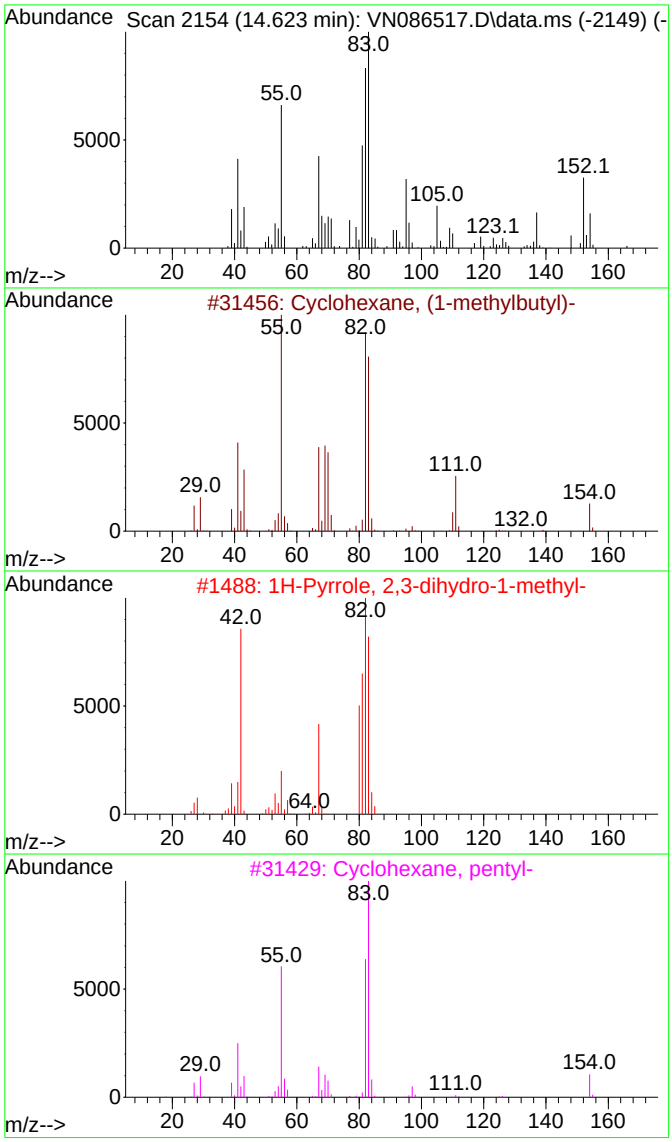
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

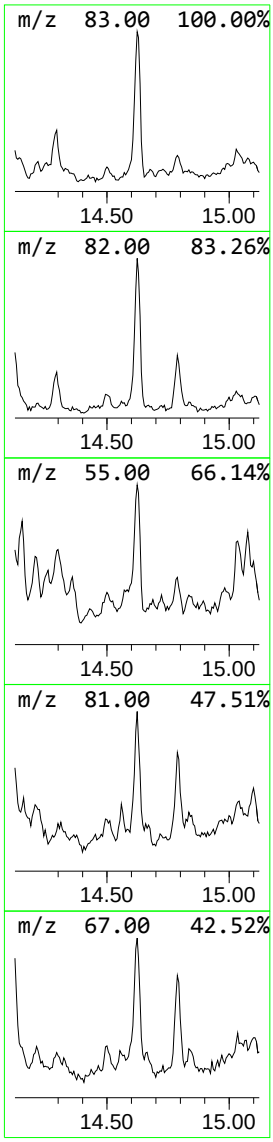
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclohexane, (1-methylbutyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.623	15.05 ug/l	229340	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	58
2	1H-Pyrrole, 2,3-dihydro-1-methyl-	83	C5H9N	033838-11-8	52
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
4	Bicyclo[3.1.1]heptan-2-one, 3,6,...	152	C10H16O	016022-08-5	43
5	Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	038651-65-9	43





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Sample : Q1939-03
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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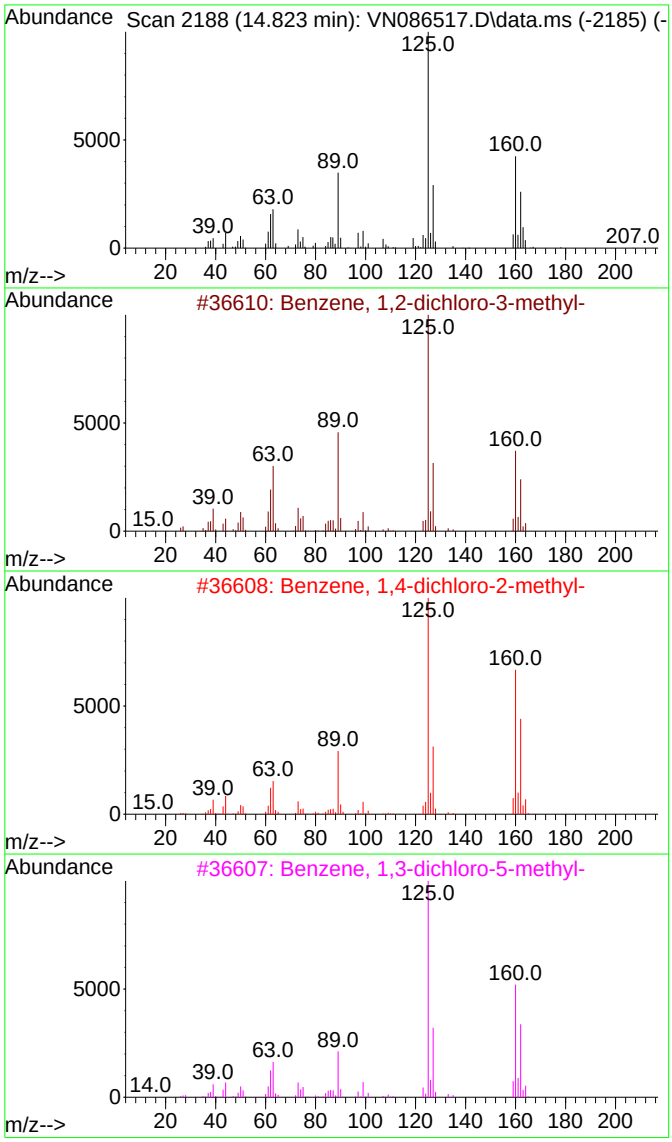
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

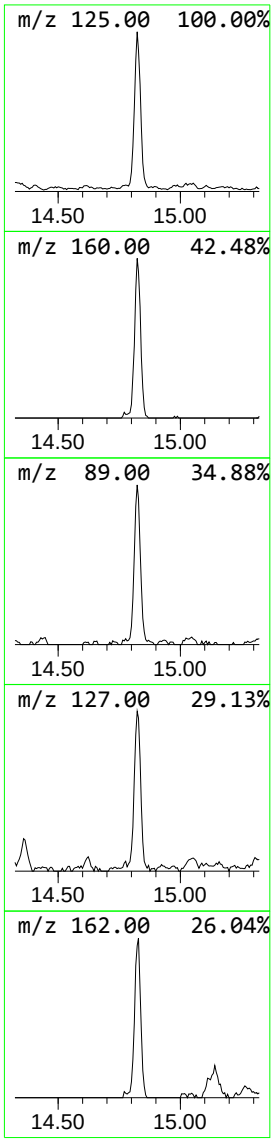
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,2-dichloro-3-met... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.823	16.94 ug/l	258228	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-3-methyl-	160	C7H6Cl2	032768-54-0	96
2	Benzene, 1,4-dichloro-2-methyl-	160	C7H6Cl2	019398-61-9	96
3	Benzene, 1,3-dichloro-5-methyl-	160	C7H6Cl2	025186-47-4	96
4	Benzene, 1,2-dichloro-4-methyl-	160	C7H6Cl2	000095-75-0	95
5	Benzene, 1,3-dichloro-2-methyl-	160	C7H6Cl2	000118-69-4	94





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Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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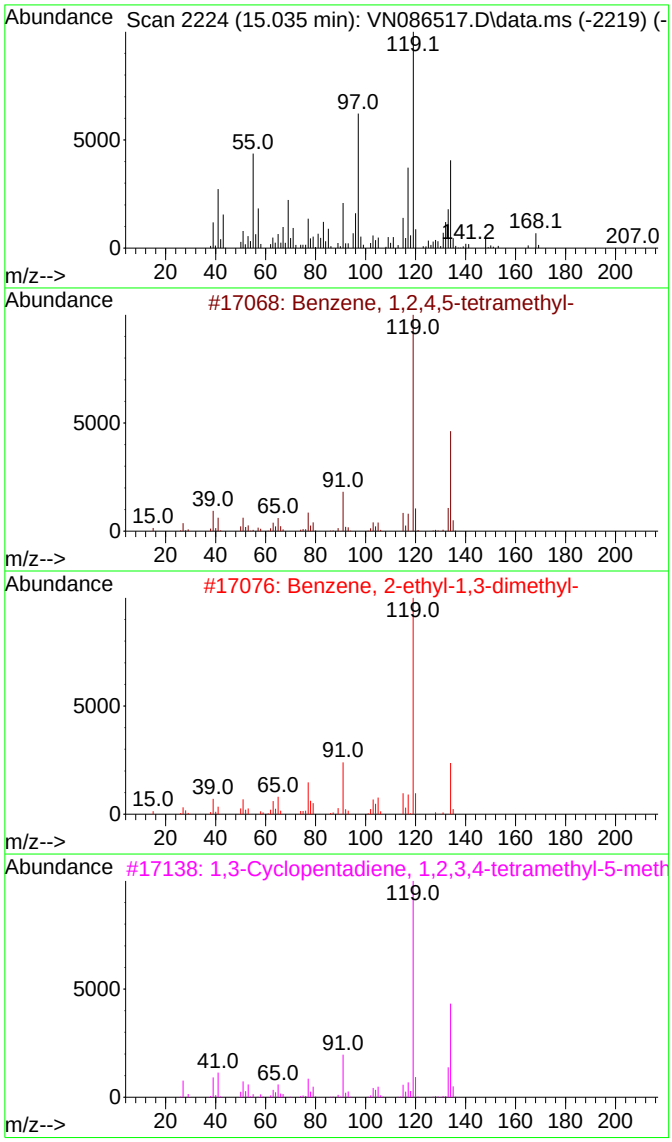
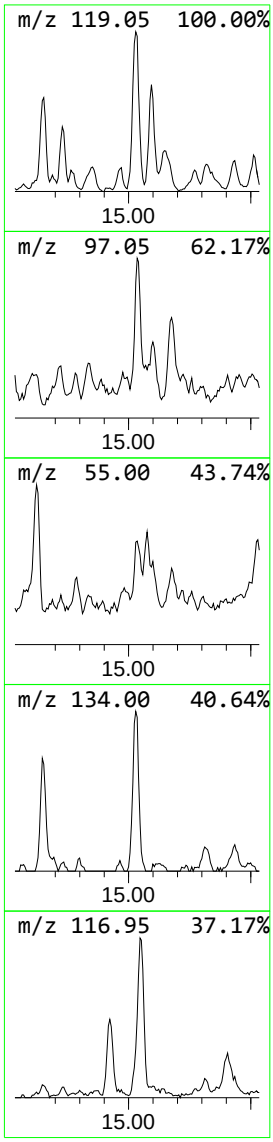
Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.035	16.53 ug/l	251903	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	60
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	60
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60





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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SW846 8260

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

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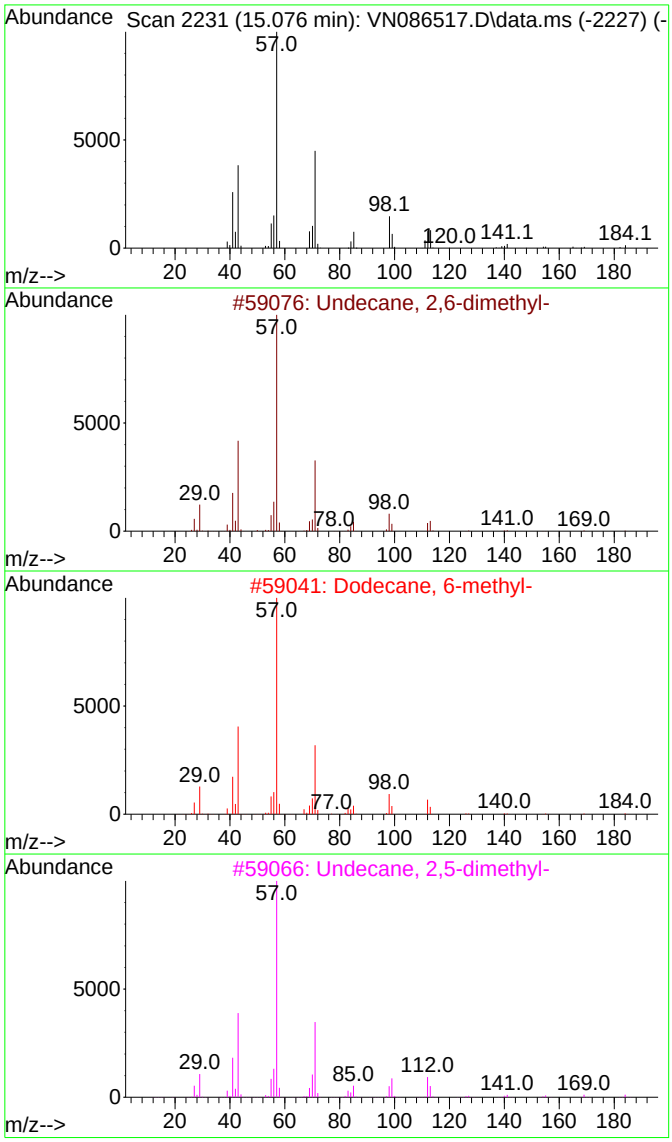
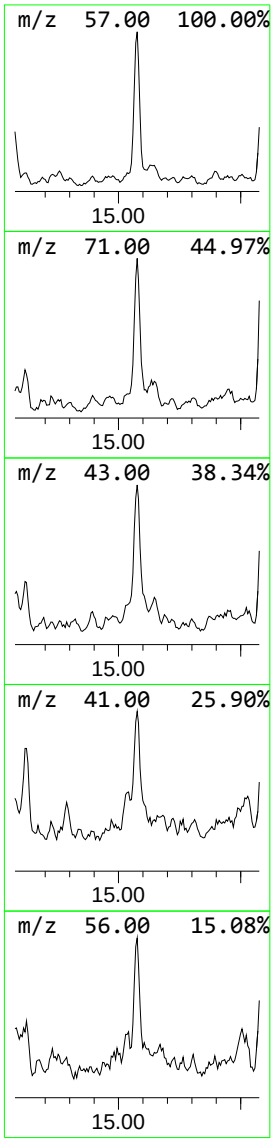
Peak Number 12 Undecane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.076	26.53 ug/l	404378	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	95
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	90
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	74
4	5-Ethyldecane	170	C12H26	017302-36-2	72
5	Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	59





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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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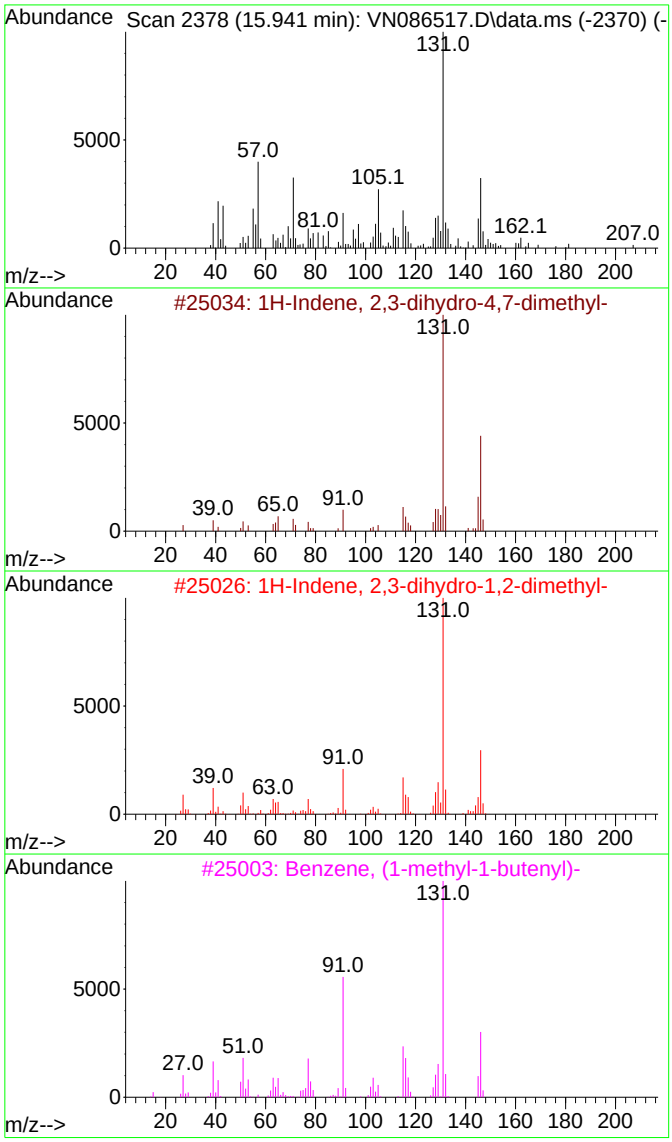
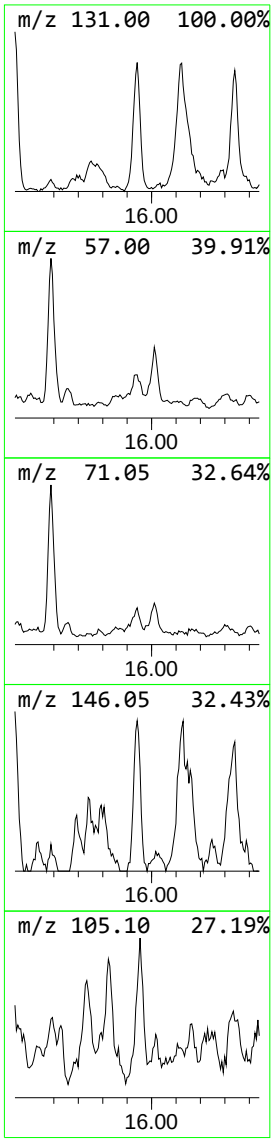
Peak Number 13 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.941	19.25 ug/l	293463	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76





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Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

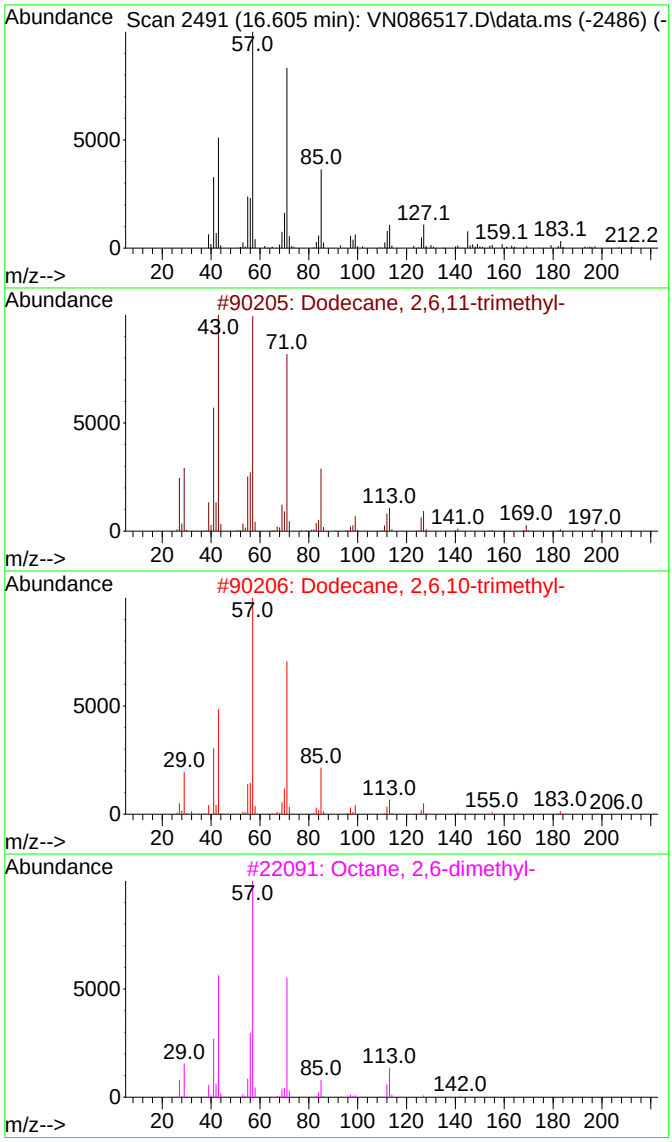
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

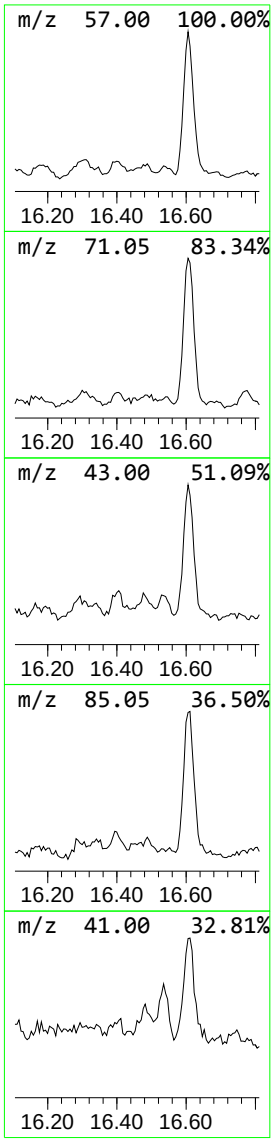
****

Peak Number 14 Dodecane, 2,6,11-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.605	15.46 ug/l	235623	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	91
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	64
5	Decane, 5-propyl-	184	C13H28	017312-62-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

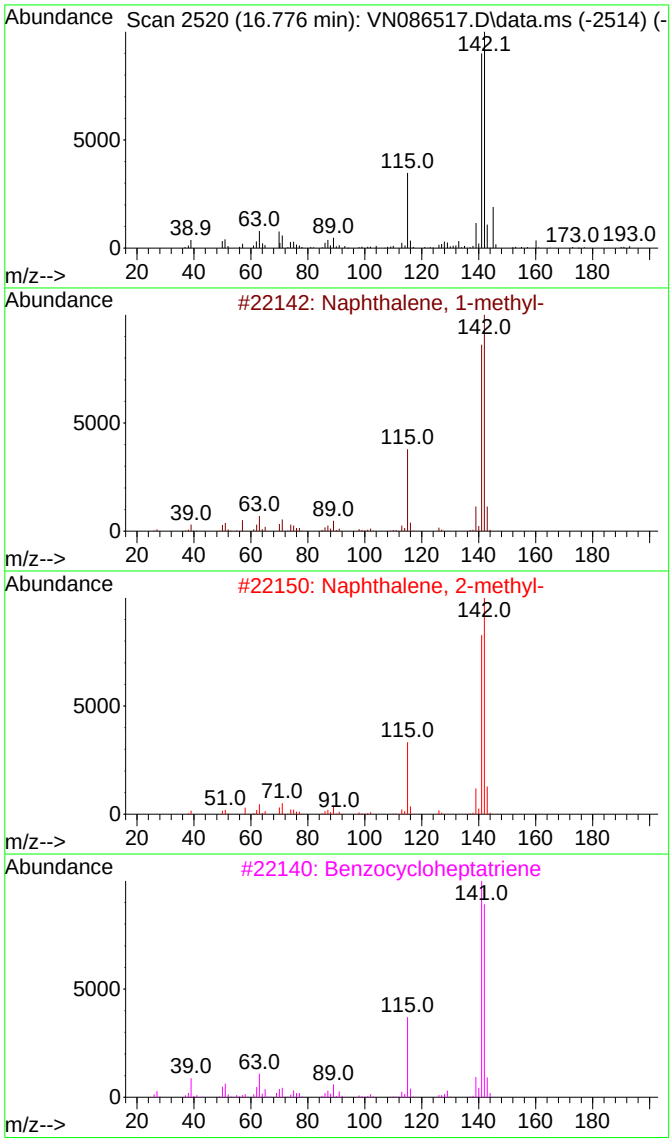
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

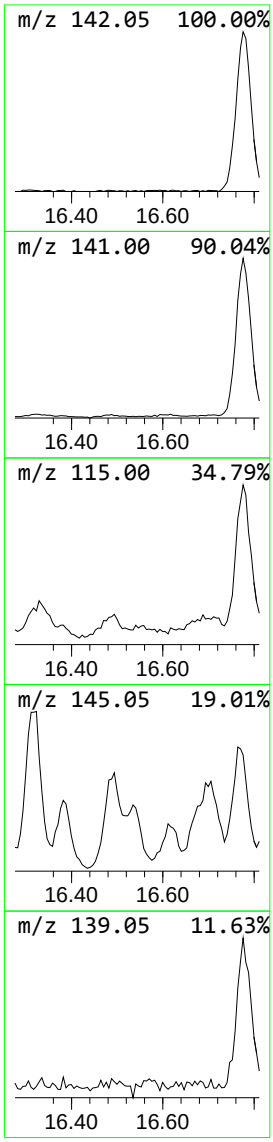
****

Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.776	13.55 ug/l	206453	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Benzocycloheptatriene	142	C11H10	000264-09-5	90
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





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Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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
Cyclohexane, 1-...	12.370	25.4	ug/l	416326	3	11.865	820332	50.0
Nonane, 3-methyl-	12.476	20.5	ug/l	336389	3	11.865	820332	50.0
Heptane, 3-ethy...	12.588	55.6	ug/l	912310	3	11.865	820332	50.0
Heptane, 4-ethyl-	12.729	21.1	ug/l	346905	3	11.865	820332	50.0
Cyclopentane, b...	13.017	14.6	ug/l	223193	4	13.788	762064	50.0
Nonane, 2,6-dim...	13.394	22.1	ug/l	336090	4	13.788	762064	50.0
Cyclohexane, bu...	13.676	18.6	ug/l	282793	4	13.788	762064	50.0
Naphthalene, de...	14.117	19.2	ug/l	292308	4	13.788	762064	50.0
Cyclohexane, (1...	14.623	15.1	ug/l	229340	4	13.788	762064	50.0
Benzene, 1,2-di...	14.823	16.9	ug/l	258228	4	13.788	762064	50.0
Benzene, 1,2,4,...	15.035	16.5	ug/l	251903	4	13.788	762064	50.0
Undecane, 2,6-d...	15.076	26.5	ug/l	404378	4	13.788	762064	50.0
1H-Indene, 2,3-...	15.941	19.3	ug/l	293463	4	13.788	762064	50.0
Dodecane, 2,6,1...	16.605	15.5	ug/l	235623	4	13.788	762064	50.0
Naphthalene, 1-...	16.776	13.6	ug/l	206453	4	13.788	762064	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086558.D
Acq On : 09 May 2025 13:31
Operator : JC\MD
Sample : Q1939-03RE
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 09 23:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	160486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	300494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	110945	47.673	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.340%			
35) Dibromofluoromethane	8.159	113	87540	62.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 125.540%#			
50) Toluene-d8	10.565	98	388474	52.119	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.240%			
62) 4-Bromofluorobenzene	12.847	95	140109	51.537	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.080%			
Target Compounds						Qvalue
18) Methyl Acetate	5.018	43	10663	3.817	ug/l #	70
39) Methylcyclohexane	9.600	83	17676	5.339	ug/l	96
79) 2-Chlorotoluene	13.123	91	72183	9.142	ug/l	98
82) 4-Chlorotoluene	13.218	91	42374	5.403	ug/l	97
85) sec-Butylbenzene	13.612	105	10910	1.036	ug/l #	74
95) Naphthalene	15.635	128	10333m	1.408	ug/l	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086558.D
Acq On : 09 May 2025 13:31
Operator : JC\MD
Sample : Q1939-03RE
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 09 23:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations APPROVED

Reviewed By :John Carlone 05/12/2025
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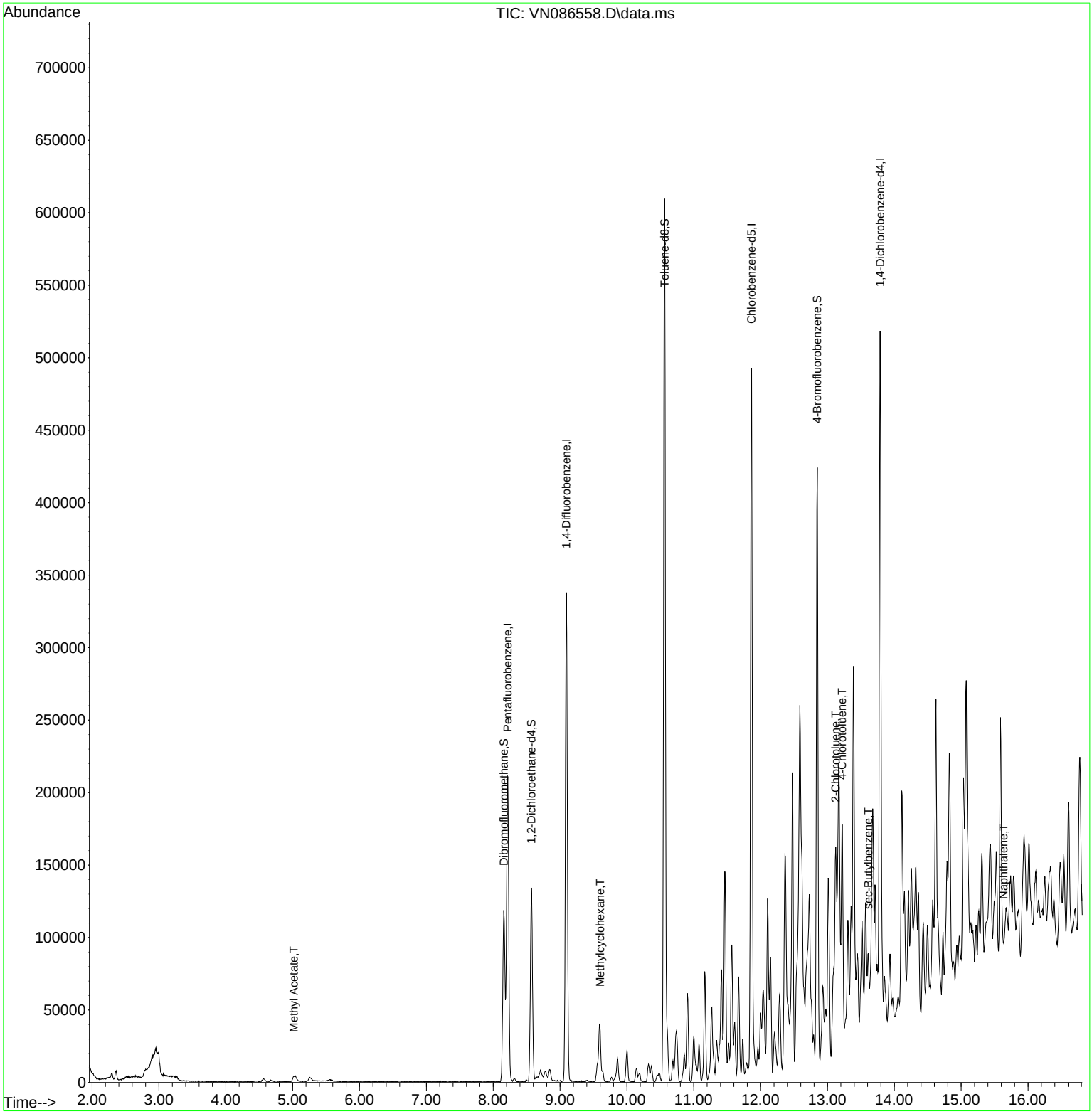
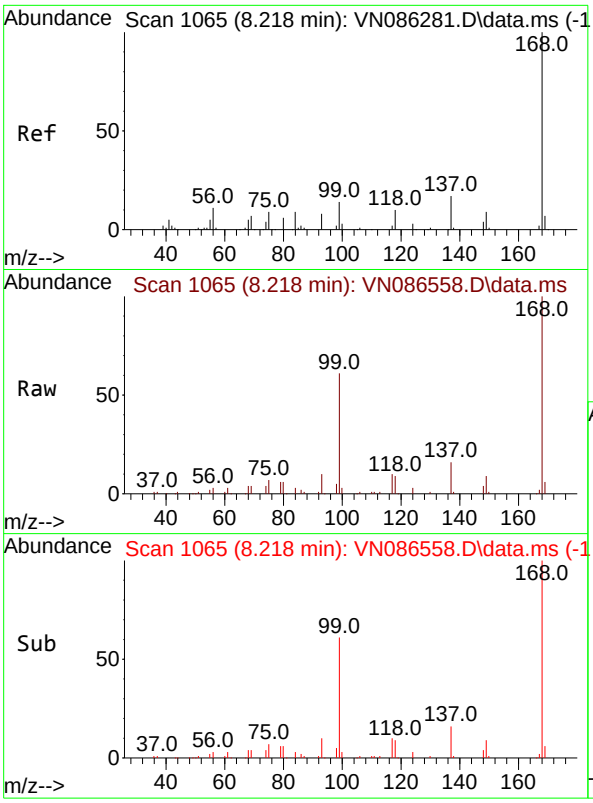
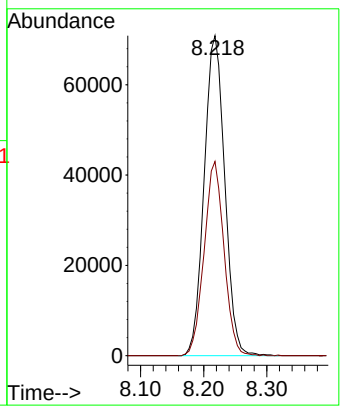




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion:168 Resp: 16048

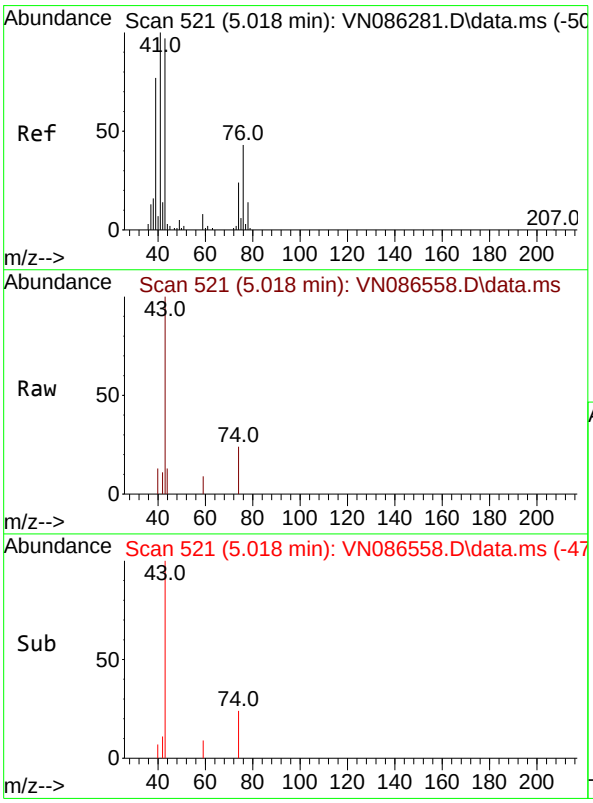
Ion	Ratio	Lower	Upper
168	100		
99	60.7	52.5	78.7



Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
APPROVED

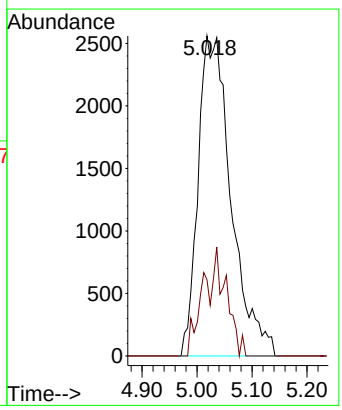
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

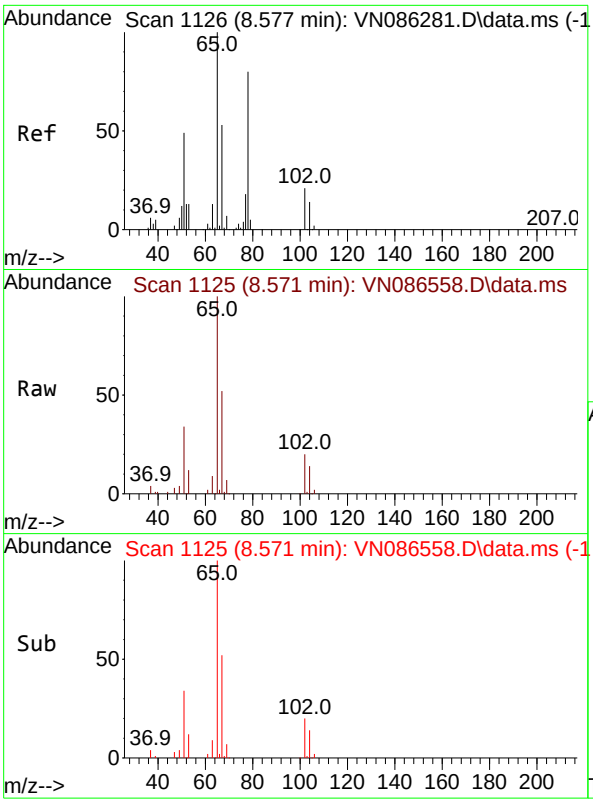


#18
Methyl Acetate
Concen: 3.817 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 43 Resp: 10663

Ion	Ratio	Lower	Upper
43	100		
74	9.7	19.8	29.6#





#33
1,2-Dichloroethane-d4
Concen: 47.673 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 65 Resp: 11094

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.0

Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations APPROVED

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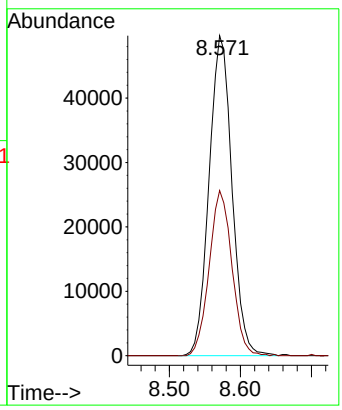
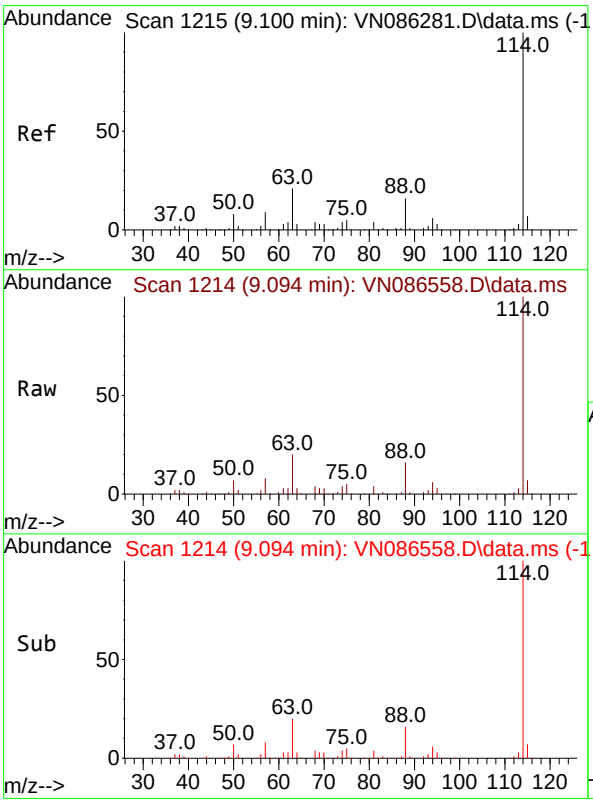
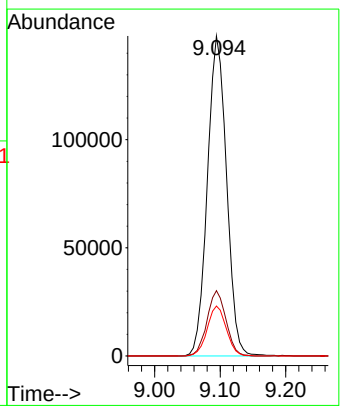


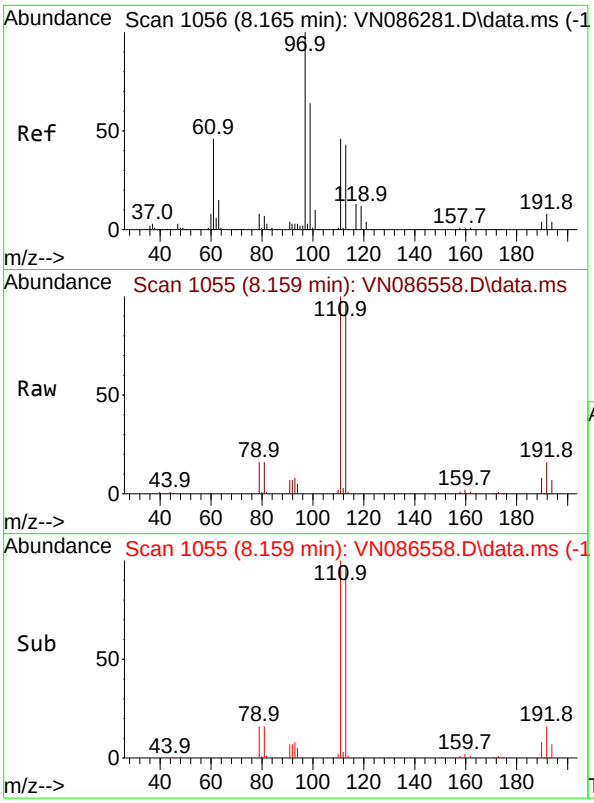


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion:114 Resp: 300494

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.6
88	15.6	0.0	31.8

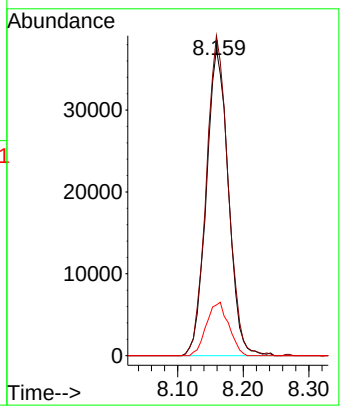




#35
Dibromofluoromethane
Concen: 62.769 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion:113 Resp: 8754

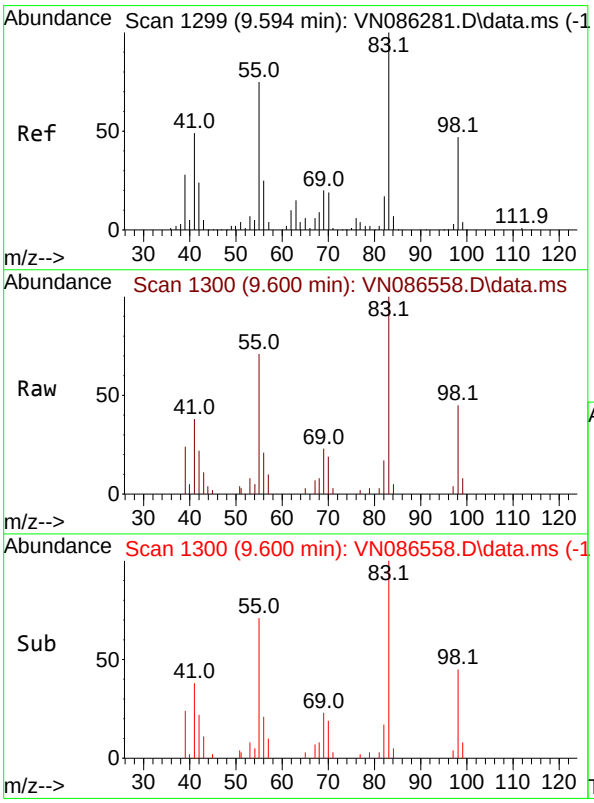
Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.4	125.0
192	17.6	13.7	20.5



Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
APPROVED

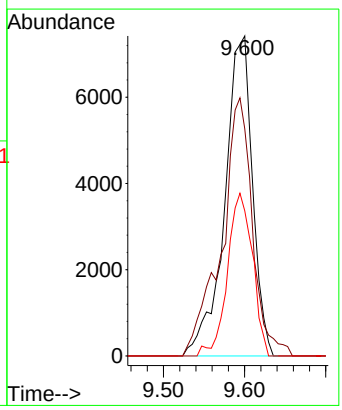
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

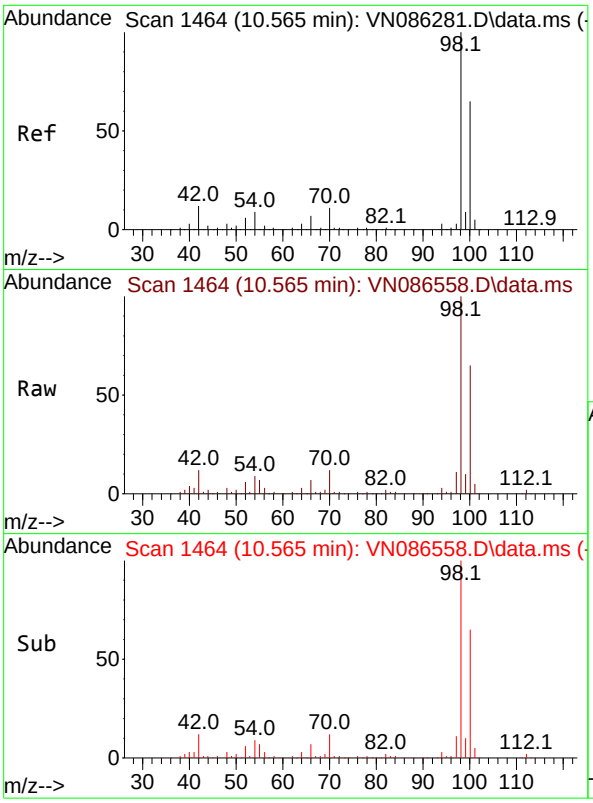


#39
Methylcyclohexane
Concen: 5.339 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.006 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 83 Resp: 17676

Ion	Ratio	Lower	Upper
83	100		
55	71.0	59.8	89.8
98	45.4	37.9	56.9





#50
Toluene-d8
Concen: 52.119 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

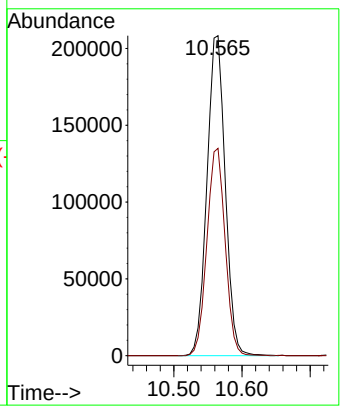
Tgt Ion: 98 Resp: 38847

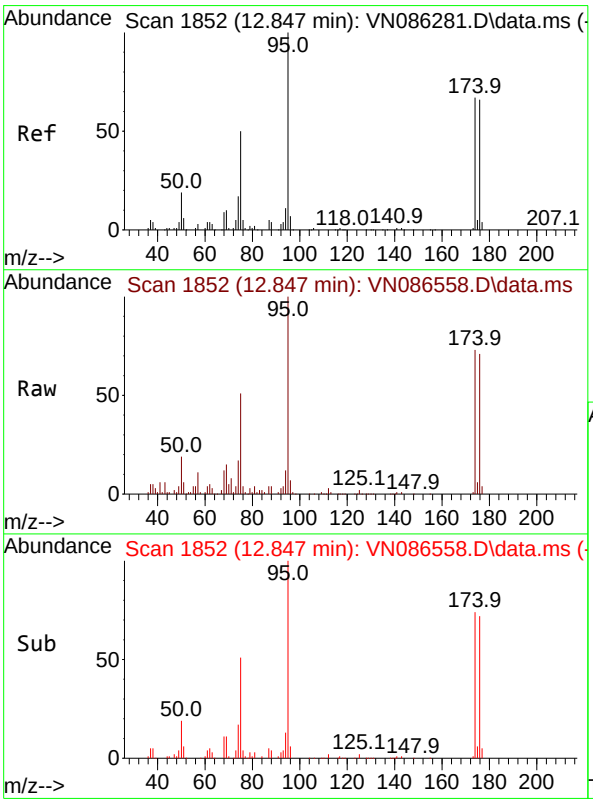
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.5	78.7

Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

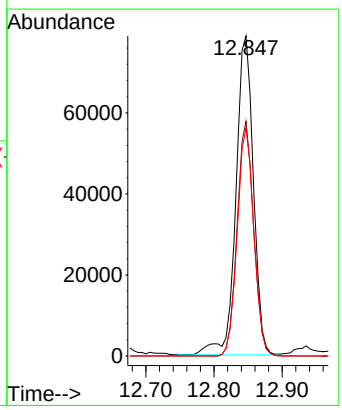


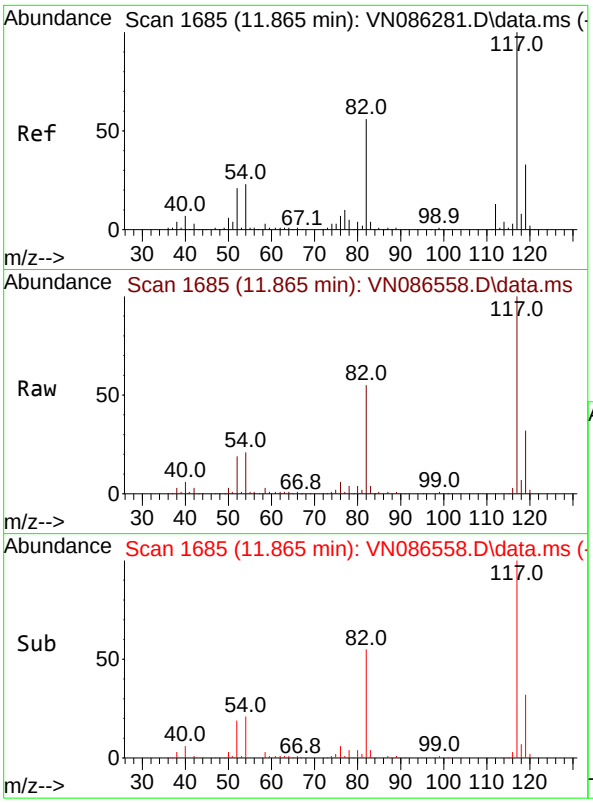


#62
4-Bromofluorobenzene
Concen: 51.537 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 95 Resp: 140109

Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	133.4
176	67.8	0.0	129.2

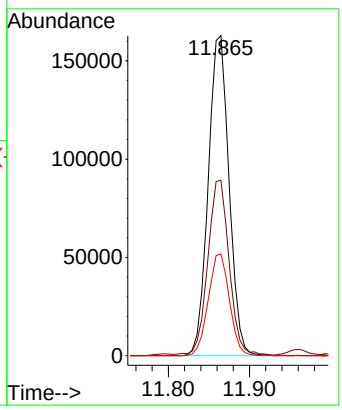




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion:117 Resp: 28988

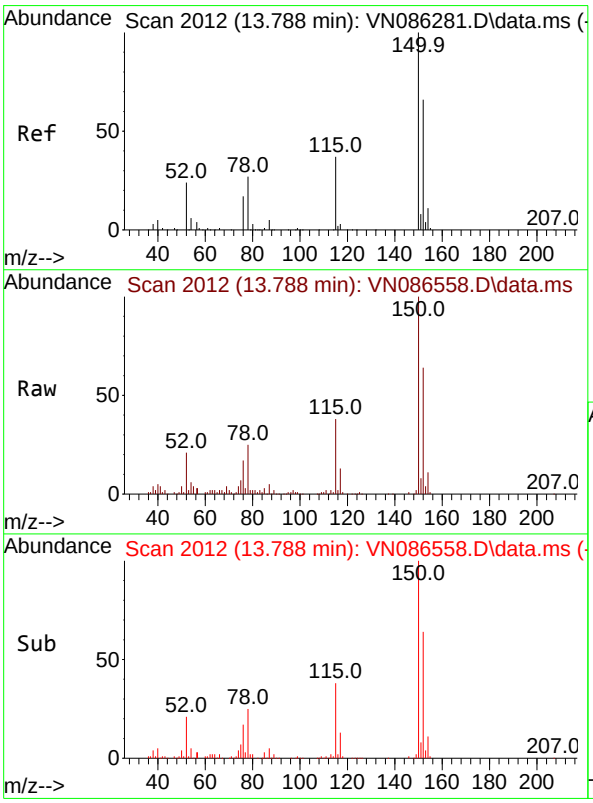
Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.7	67.1
119	31.8	26.4	39.6



Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
APPROVED

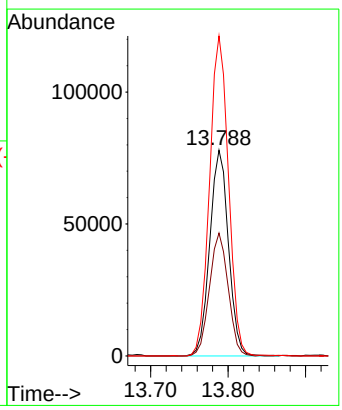
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

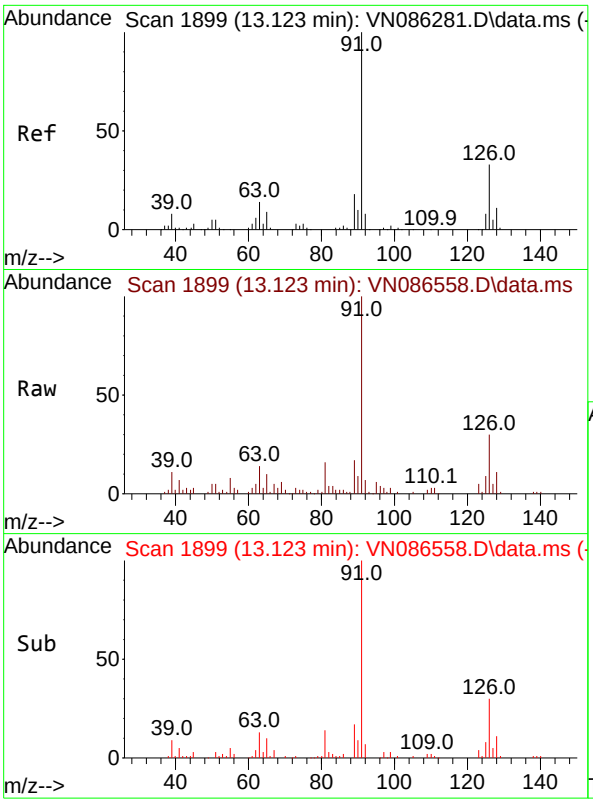


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion:152 Resp: 130900

Ion	Ratio	Lower	Upper
152	100		
115	59.6	31.9	95.9
150	156.8	0.0	352.0

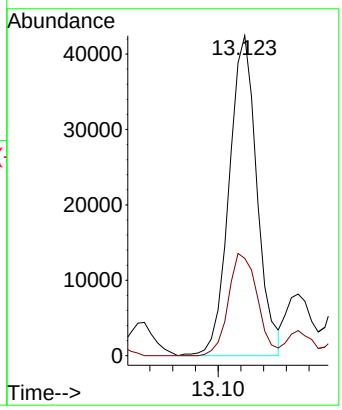




#79
2-Chlorotoluene
Concen: 9.142 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 91 Resp: 7218

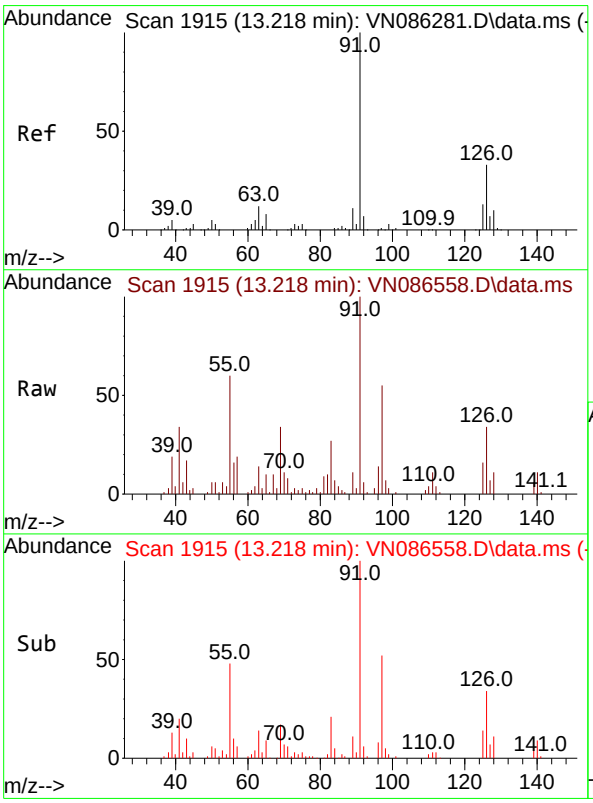
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.1	48.2



Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
APPROVED

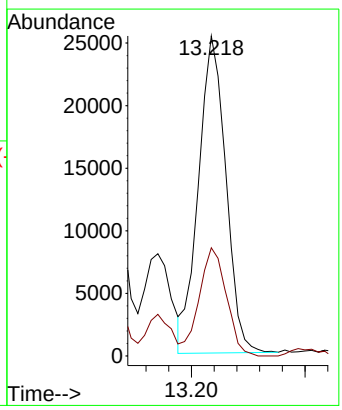
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

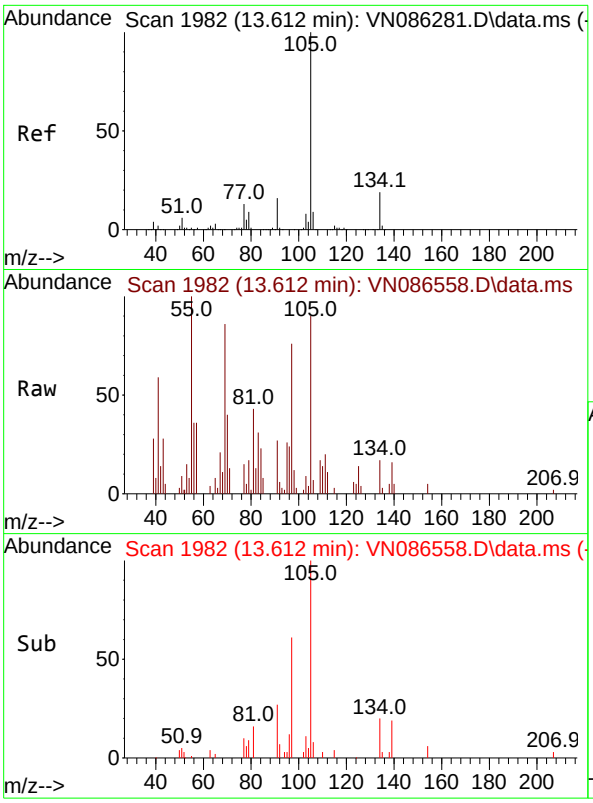


#82
4-Chlorotoluene
Concen: 5.403 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 91 Resp: 42374

Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.2	48.6





#85
sec-Butylbenzene
Concen: 1.036 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

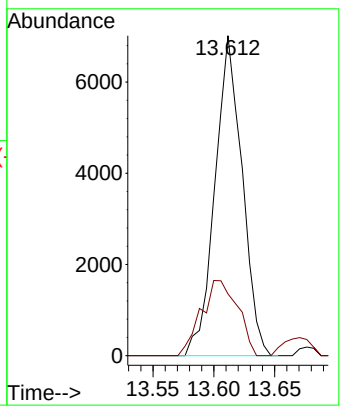
Tgt Ion:105 Resp: 1091

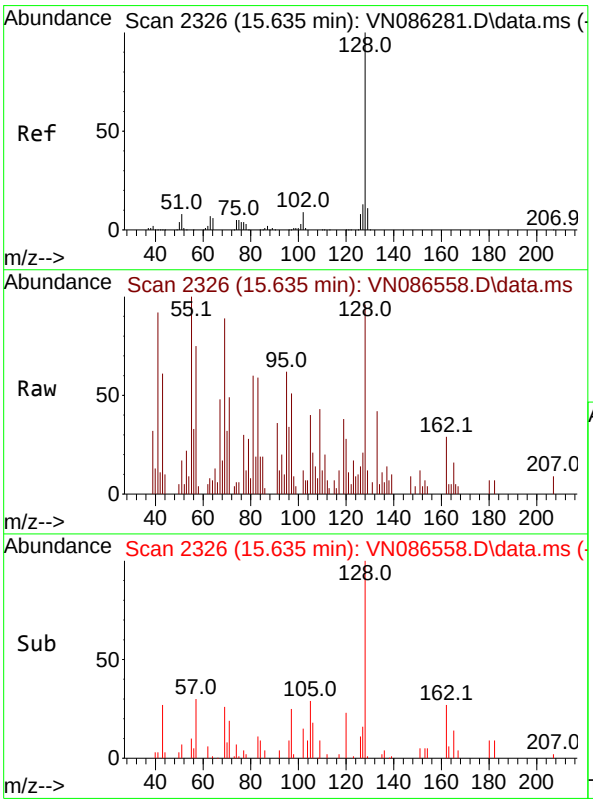
Ion	Ratio	Lower	Upper
105	100		
134	31.4	9.7	29.1#

Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

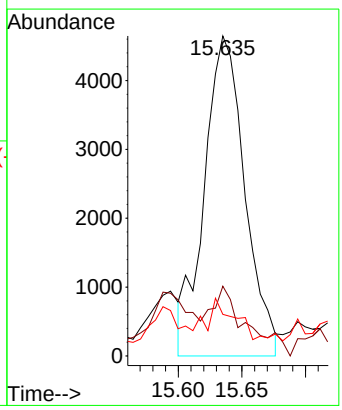




#95
Naphthalene
Concen: 1.408 ug/l m
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion:128 Resp: 10333

Ion	Ratio	Lower	Upper
128	100		
127	19.2	10.2	15.4#
129	7.6	8.6	13.0#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Time: May 03 02:52:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

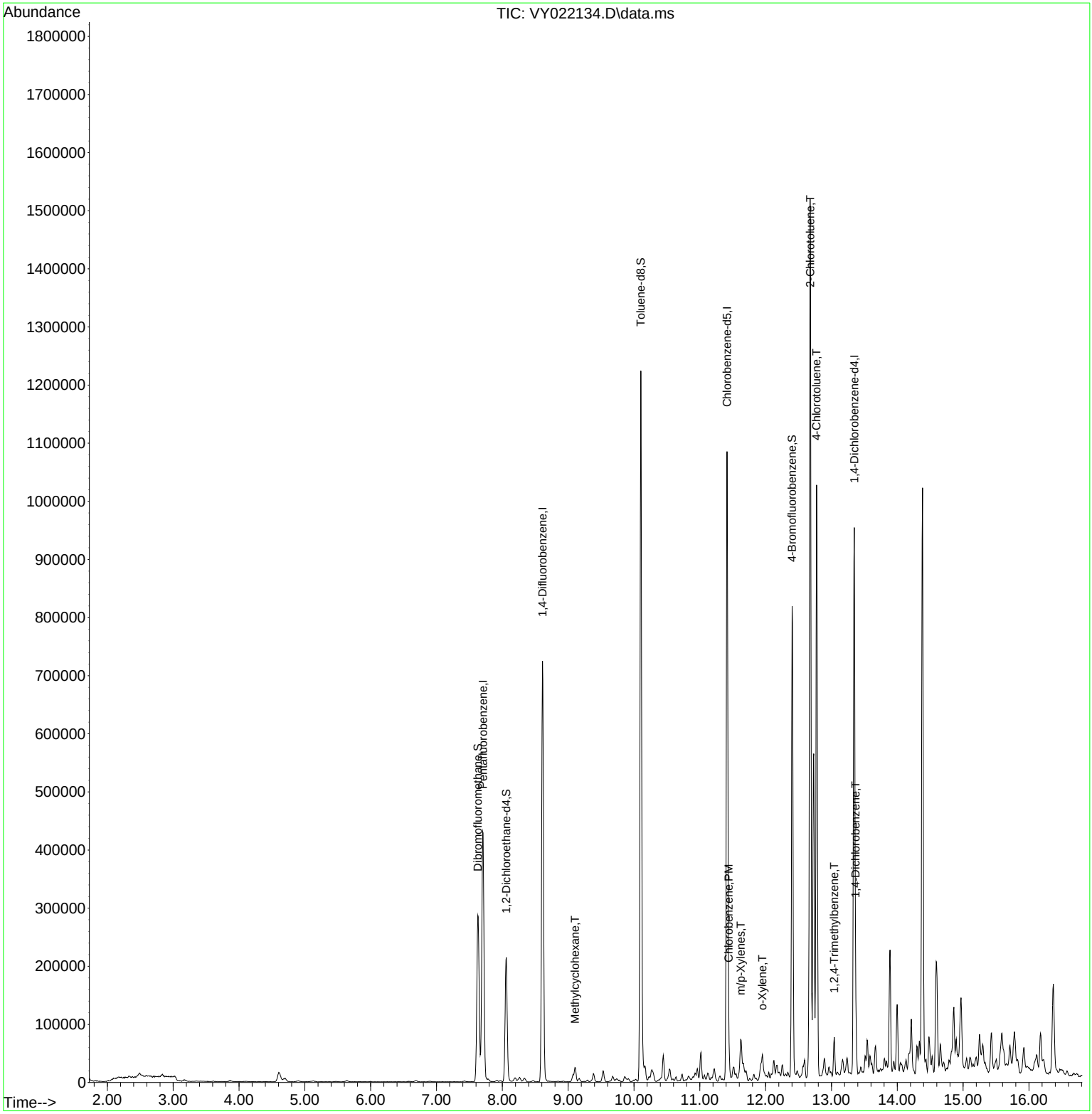
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	337342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	633879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	583504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171793	55.133	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.260%			
35) Dibromofluoromethane	7.628	113	211594	50.527	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.060%			
50) Toluene-d8	10.103	98	771843	48.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.780%			
62) 4-Bromofluorobenzene	12.401	95	245481	46.188	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.380%			
Target Compounds						Qvalue
39) Methylcyclohexane	9.103	83	10145	1.433	ug/l #	79
65) Chlorobenzene	11.438	112	24024	1.841	ug/l #	88
68) m/p-Xylenes	11.621	106	22301	2.626	ug/l	95
69) o-Xylene	11.950	106	8928	1.140	ug/l	94
79) 2-Chlorotoluene	12.676	91	814084	71.710	ug/l	98
82) 4-Chlorotoluene	12.773	91	552666	46.831	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	33886	2.508	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	39106	4.694	ug/l	94

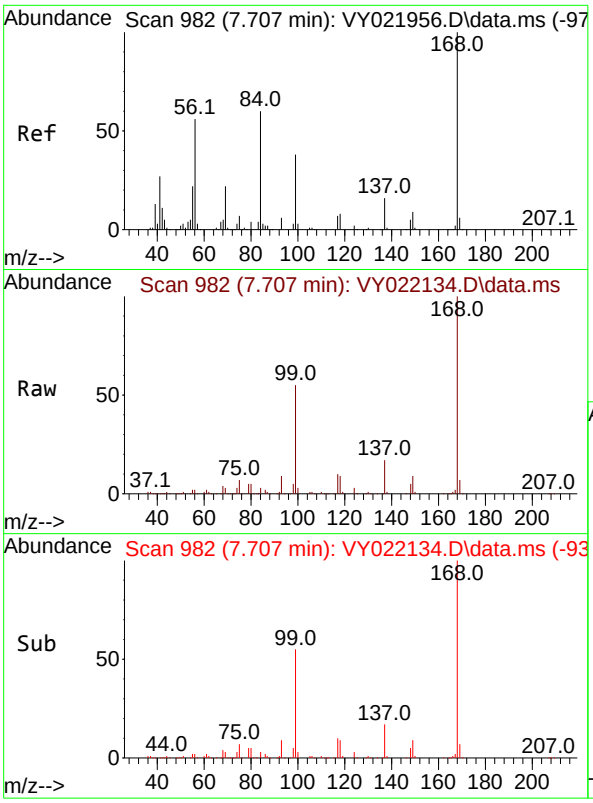
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Time: May 03 02:52:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



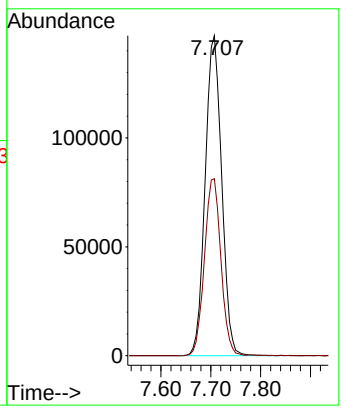


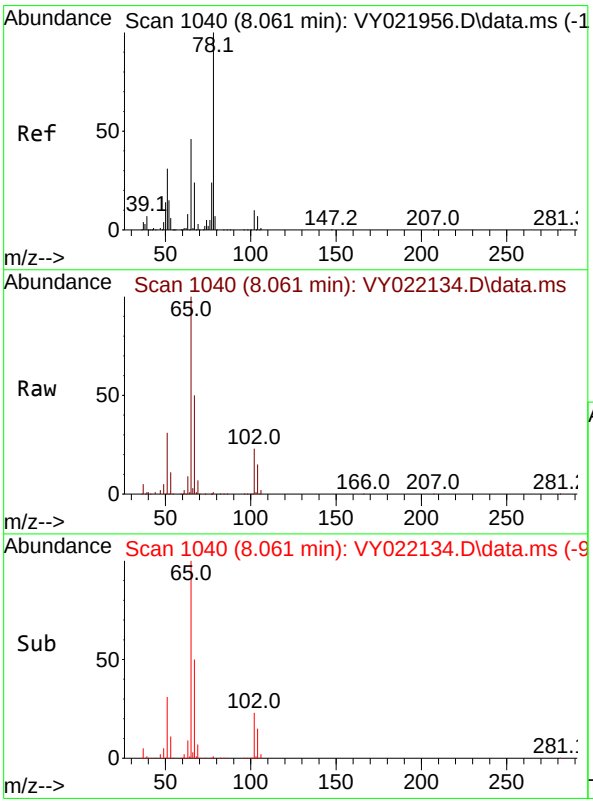
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion:168 Resp: 337342

Ion	Ratio	Lower	Upper
168	100		
99	55.3	43.1	64.7

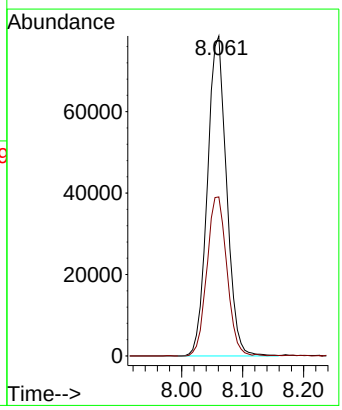


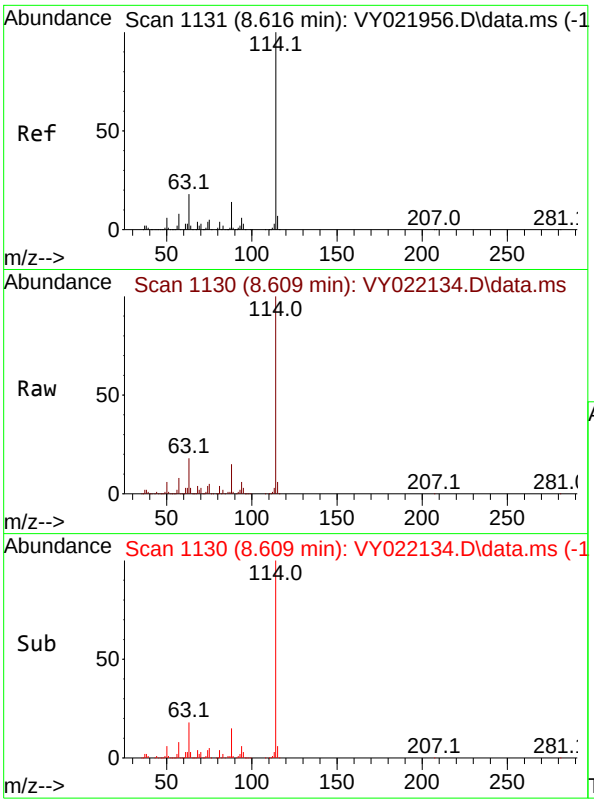


#33
1,2-Dichloroethane-d4
Concen: 55.133 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion: 65 Resp: 171793

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	105.8



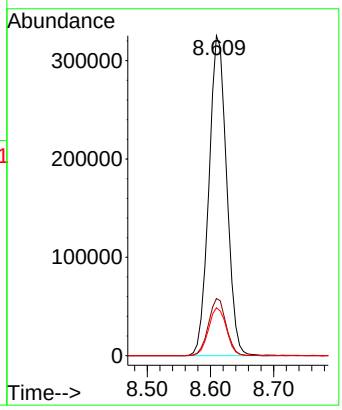


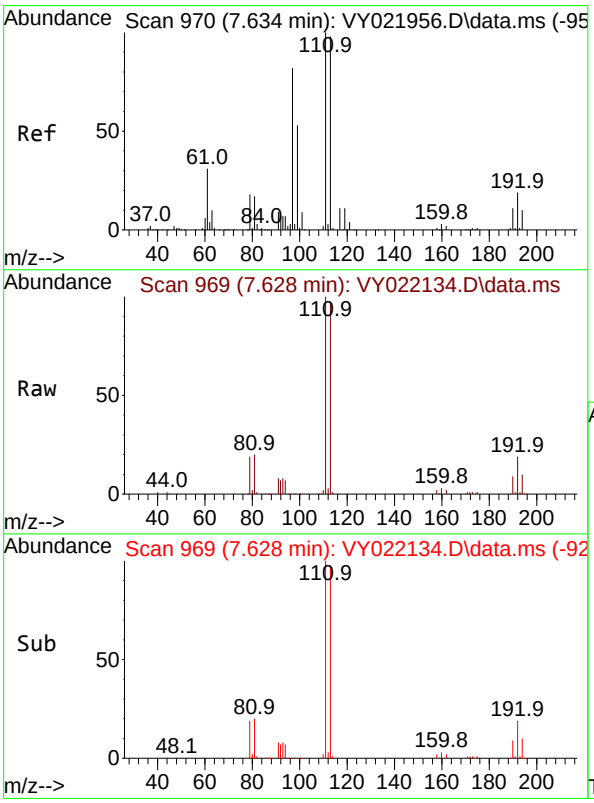
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion:114 Resp: 633879

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.4
88	15.0	0.0	28.2

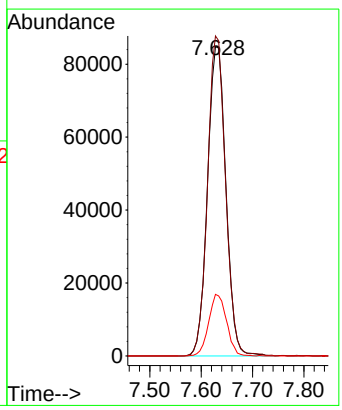




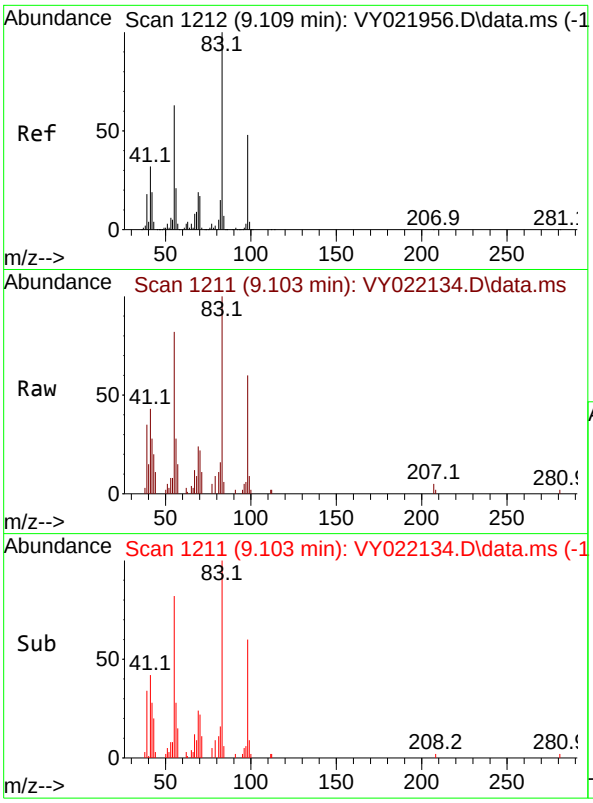
#35
Dibromofluoromethane
Concen: 50.527 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion:113 Resp: 211594

Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.8	122.8
192	19.3	15.6	23.4



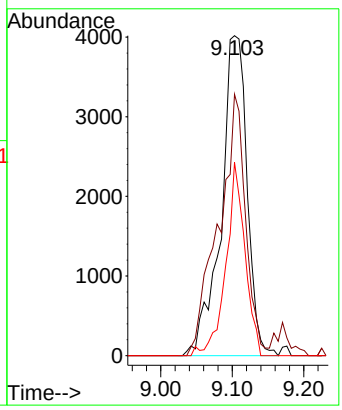
Instrument :
MSVOA_Y
ClientSampleId :
GB2B

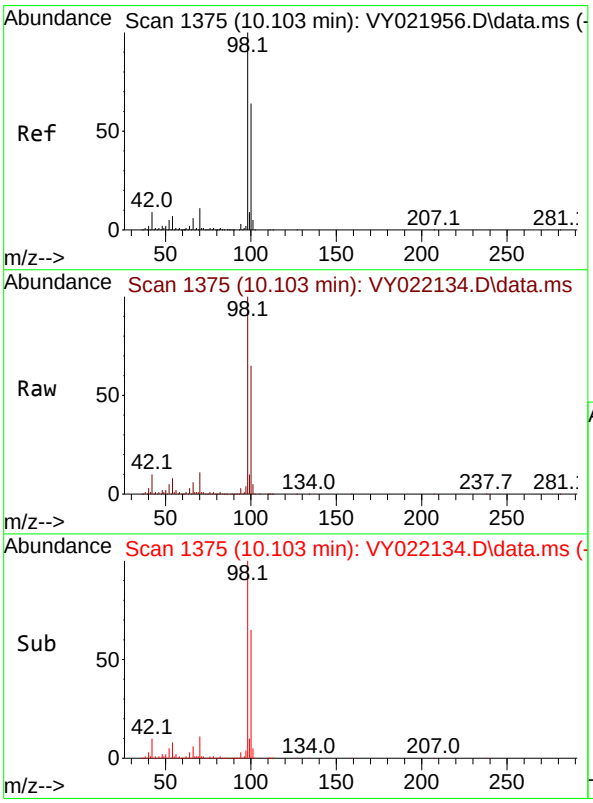


#39
Methylcyclohexane
Concen: 1.433 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion: 83 Resp: 10145

Ion	Ratio	Lower	Upper
83	100		
55	81.7	50.6	75.8#
98	60.4	38.6	58.0#

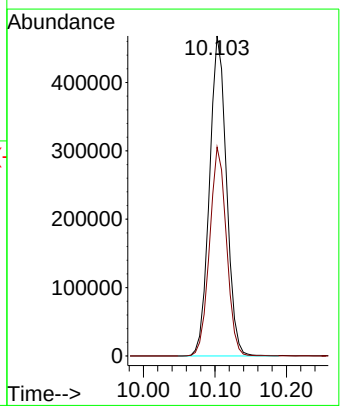


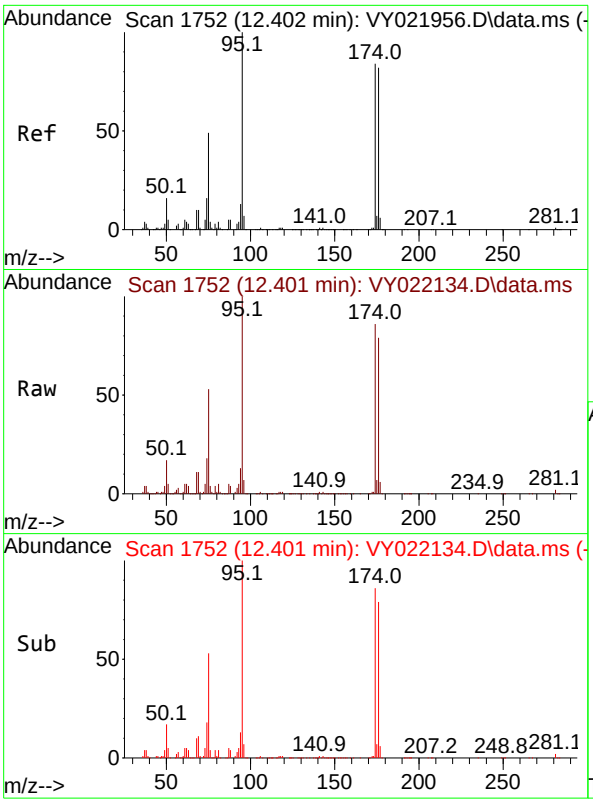


#50
Toluene-d8
Concen: 48.889 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion: 98 Resp: 771843

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4



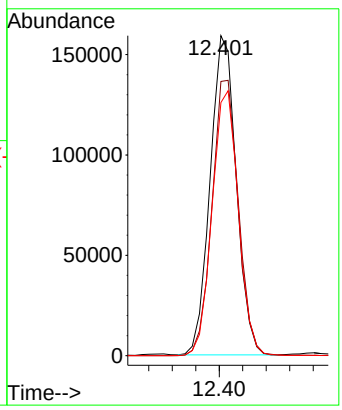


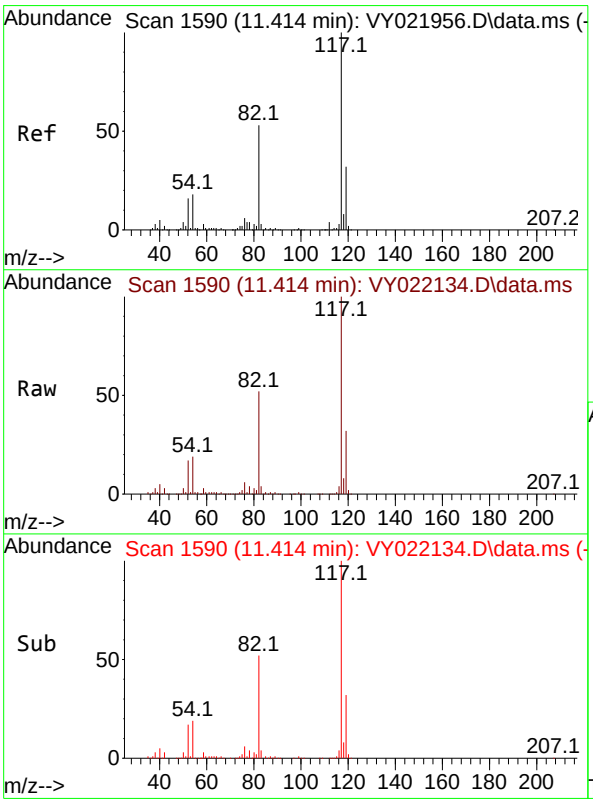
#62
4-Bromofluorobenzene
Concen: 46.188 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion: 95 Resp: 245481

Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	179.0
176	83.4	0.0	171.8

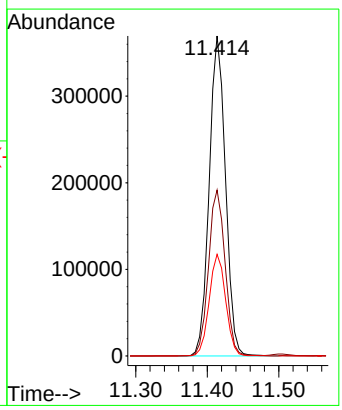


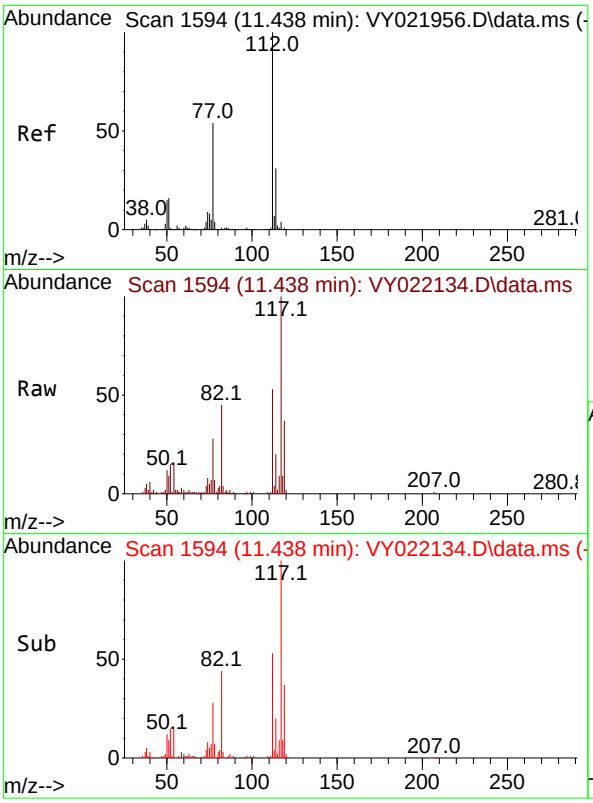


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion:117 Resp: 583504

Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.1	63.1
119	31.7	25.7	38.5



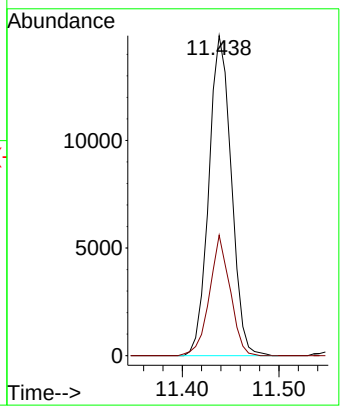


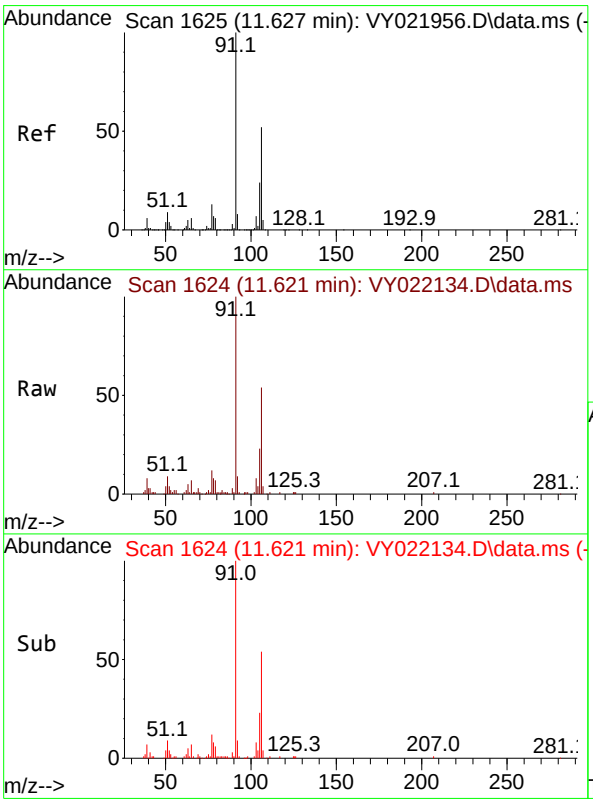
#65
Chlorobenzene
Concen: 1.841 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion:112 Resp: 24024

Ion	Ratio	Lower	Upper
112	100		
114	37.6	25.0	37.4#

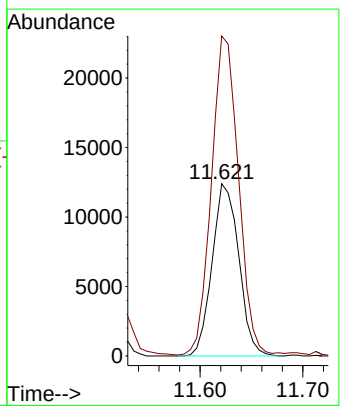


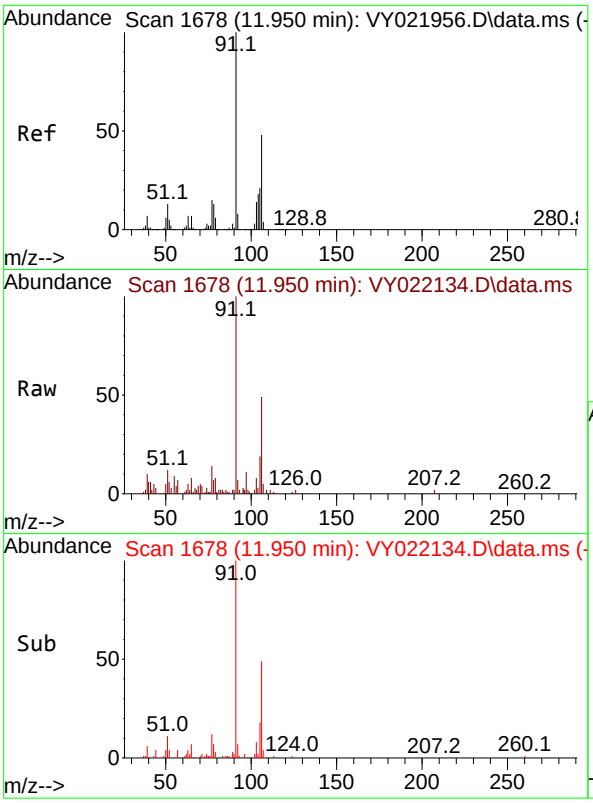


#68
m/p-Xylenes
Concen: 2.626 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion:106 Resp: 22301

Ion	Ratio	Lower	Upper
106	100		
91	187.9	156.2	234.2



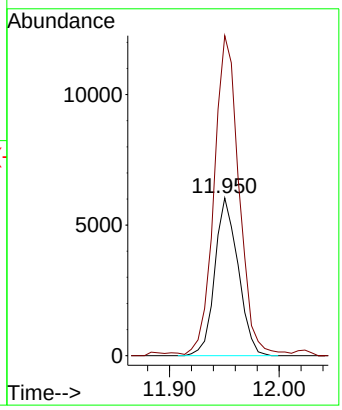


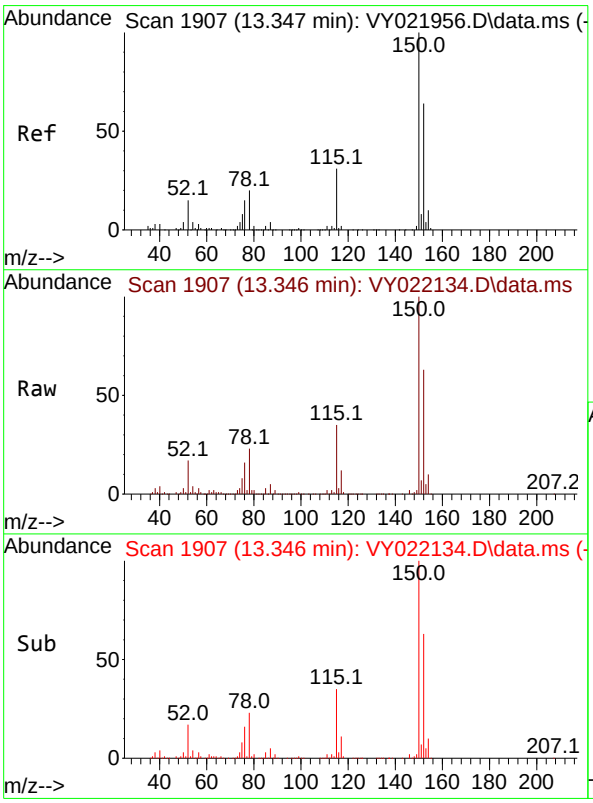
#69
o-Xylene
Concen: 1.140 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion:106 Resp: 8928

Ion	Ratio	Lower	Upper
106	100		
91	214.6	103.0	308.9

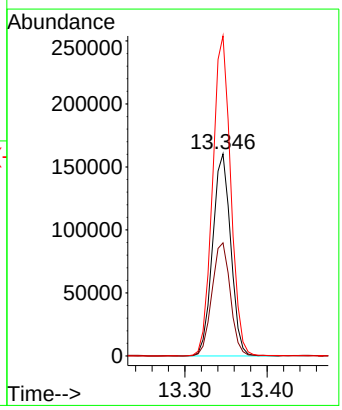


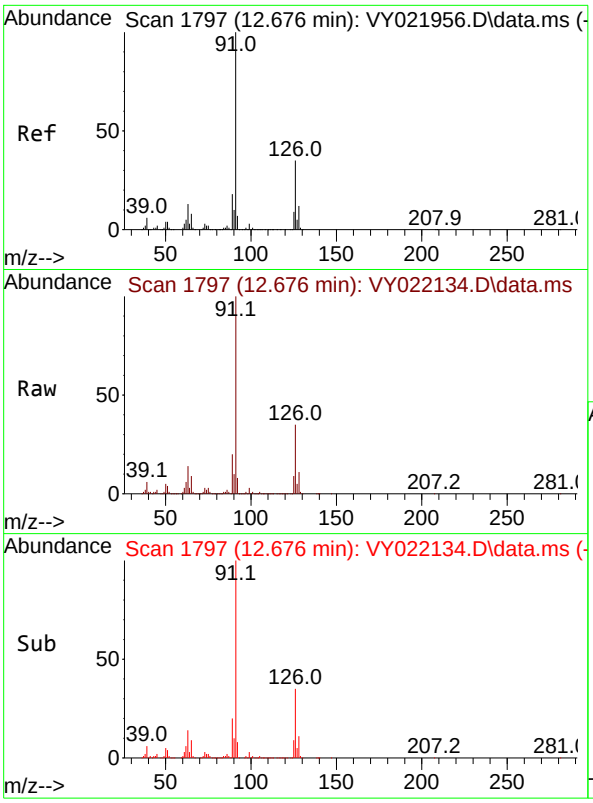


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion:152 Resp: 245346

Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.0	84.0
150	158.7	0.0	345.6



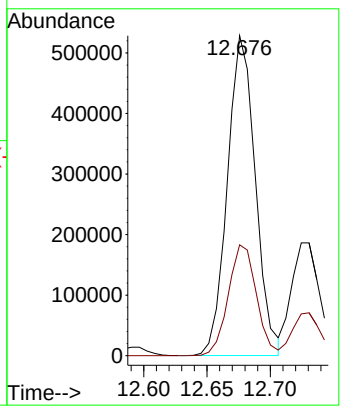


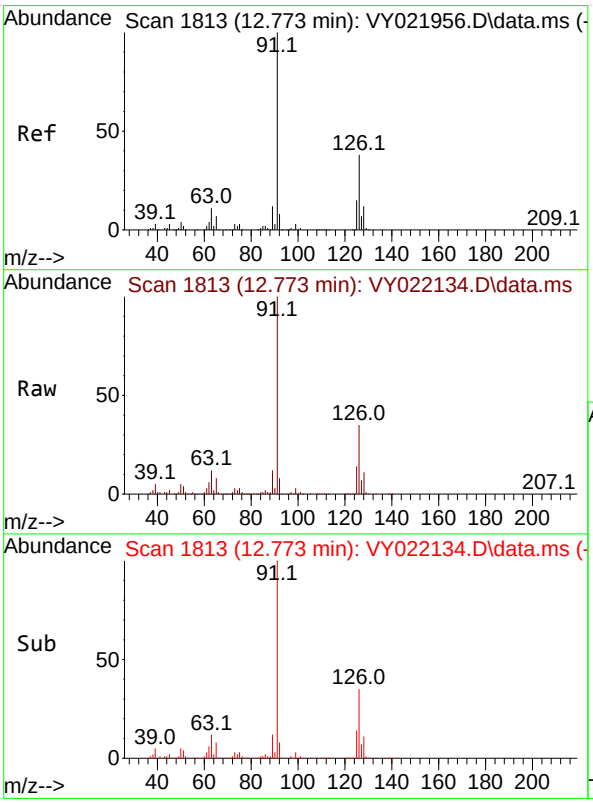
#79
2-Chlorotoluene
Concen: 71.710 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion: 91 Resp: 814084

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.9	53.8

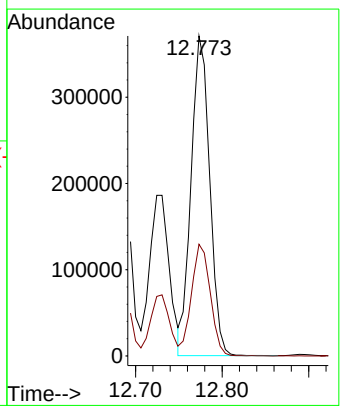


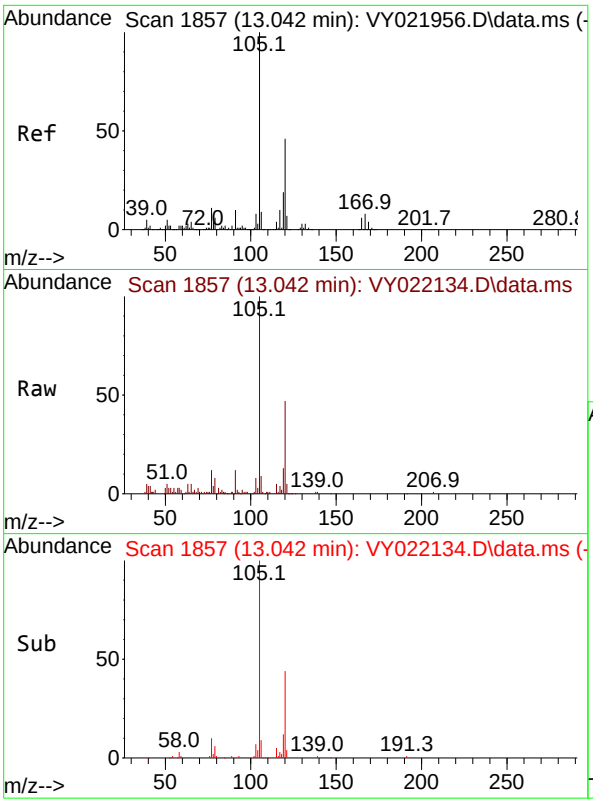


#82
4-Chlorotoluene
Concen: 46.831 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion: 91 Resp: 552666

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.9	53.8



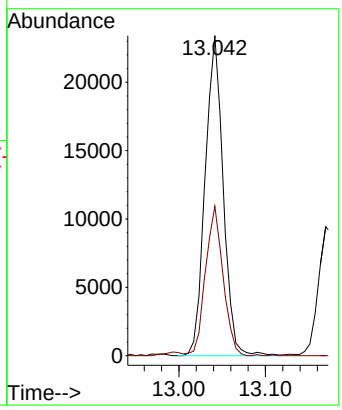


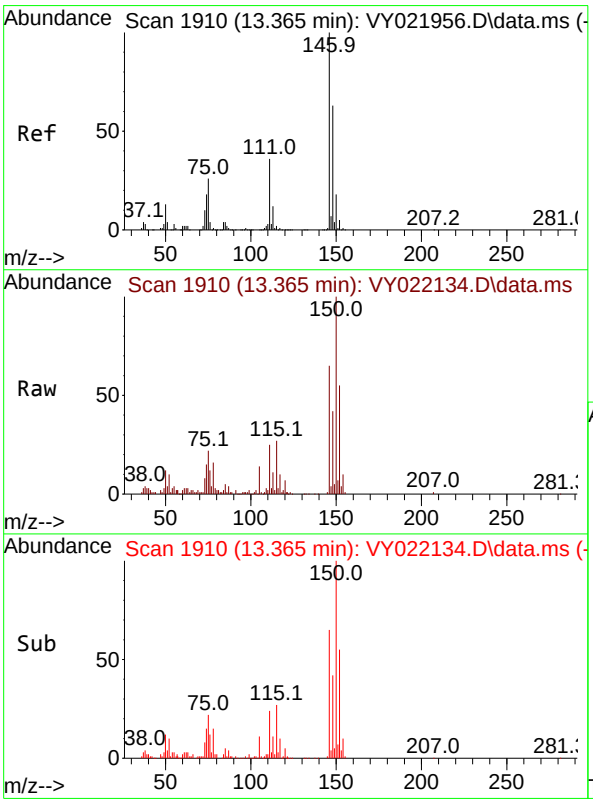
#84
1,2,4-Trimethylbenzene
Concen: 2.508 ug/l
RT: 13.042 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Tgt Ion:105 Resp: 33886

Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.4	70.0

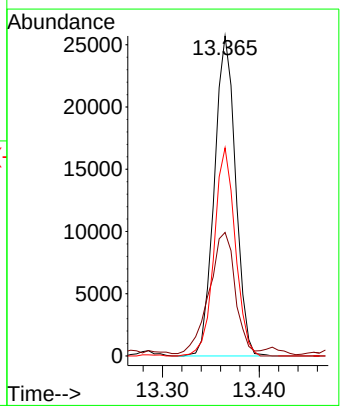




#88
1,4-Dichlorobenzene
Concen: 4.694 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion:146 Resp: 39106

Ion	Ratio	Lower	Upper
146	100		
111	46.3	19.2	57.6
148	64.8	32.0	96.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

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\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022134.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.604	464	473	482	rBV3	16143	53998	2.24%	0.250%
2	7.628	957	969	975	rBV	286316	696080	28.92%	3.220%
3	7.701	975	981	993	rVB	427853	990603	41.15%	4.583%
4	8.061	1030	1040	1052	rBV	213768	478484	19.88%	2.213%
5	8.609	1120	1130	1144	rBV	724477	1418807	58.94%	6.563%
6	9.103	1207	1211	1217	rVB4	23308	47537	1.97%	0.220%
7	9.384	1248	1257	1264	rBV	14080	29067	1.21%	0.134%
8	9.530	1272	1281	1291	rVB4	18825	39099	1.62%	0.181%
9	10.103	1367	1375	1383	rBV	1222472	2061017	85.62%	9.534%
10	10.274	1398	1403	1413	rVB5	20185	57677	2.40%	0.267%
11	10.444	1426	1431	1438	rVB2	43418	75046	3.12%	0.347%
12	10.536	1438	1446	1452	rBV4	20080	45666	1.90%	0.211%
13	11.018	1520	1525	1530	rVB	45673	75880	3.15%	0.351%
14	11.219	1552	1558	1566	rVB4	21204	48555	2.02%	0.225%
15	11.414	1583	1590	1600	rBV	1081267	1787938	74.27%	8.271%
16	11.511	1601	1606	1610	rBV2	17660	33497	1.39%	0.155%
17	11.621	1616	1624	1629	rBV	66825	149838	6.22%	0.693%
18	11.700	1635	1637	1643	rVB3	17565	26271	1.09%	0.122%
19	11.950	1666	1678	1687	rBV4	44219	142282	5.91%	0.658%
20	12.127	1702	1707	1710	rBV	23700	34810	1.45%	0.161%
21	12.255	1724	1728	1733	rVB	18950	27627	1.15%	0.128%
22	12.401	1746	1752	1762	rBV	809850	1285377	53.40%	5.946%
23	12.590	1773	1783	1788	rVB2	30639	71997	2.99%	0.333%
24	12.676	1788	1797	1802	rBV	1512267	2407271	100.00%	11.136%
25	12.731	1802	1806	1809	rVV	552043	858270	35.65%	3.970%
26	12.773	1809	1813	1821	rVB	1016952	1513474	62.87%	7.001%
27	12.889	1825	1832	1839	rBV	29629	59251	2.46%	0.274%
28	13.042	1852	1857	1862	rBV	67129	100528	4.18%	0.465%
29	13.170	1871	1878	1883	rBV2	26140	56024	2.33%	0.259%
30	13.237	1883	1889	1894	rVB5	26303	49289	2.05%	0.228%
31	13.346	1900	1907	1916	rVB	939848	1600072	66.47%	7.402%
32	13.511	1930	1934	1936	rBV2	28332	39590	1.64%	0.183%
33	13.541	1936	1939	1943	rVV2	49509	69571	2.89%	0.322%
34	13.584	1943	1946	1950	rVV2	19184	26105	1.08%	0.121%
35	13.669	1955	1960	1966	rBV4	47155	85126	3.54%	0.394%
36	13.804	1978	1982	1985	rBV2	19274	28626	1.19%	0.132%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

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\82Y042225S.M
Title : SW846 8260

37	13.889	1990	1996	2001	rVB2	209430	335320	13.93%	1.551%
38	13.944	2001	2005	2009	rBV	17826	26505	1.10%	0.123%
39	13.999	2009	2014	2019	rVB	113881	176030	7.31%	0.814%
40	14.133	2030	2036	2039	rBV4	20629	36652	1.52%	0.170%
41	14.182	2039	2044	2045	rVV4	28486	45656	1.90%	0.211%
42	14.212	2045	2049	2058	rVB2	94032	163134	6.78%	0.755%
43	14.297	2058	2063	2066	rBV2	47665	78964	3.28%	0.365%
44	14.334	2066	2069	2071	rVV2	40414	50788	2.11%	0.235%
45	14.383	2071	2077	2083	rVB	987896	1528543	63.50%	7.071%
46	14.480	2089	2093	2099	rBV3	59875	111891	4.65%	0.518%
47	14.529	2099	2101	2105	rVB4	27424	33221	1.38%	0.154%
48	14.590	2105	2111	2118	rBV2	190451	405718	16.85%	1.877%
49	14.651	2118	2121	2127	rVV2	46166	80890	3.36%	0.374%
50	14.858	2146	2155	2158	rVV3	104863	227195	9.44%	1.051%
51	14.895	2158	2161	2166	rVV3	49558	92961	3.86%	0.430%
52	14.968	2167	2173	2181	rVB2	120705	254263	10.56%	1.176%
53	15.053	2183	2187	2191	rVB4	18522	27783	1.15%	0.129%
54	15.102	2191	2195	2200	rBV3	20086	39627	1.65%	0.183%
55	15.200	2206	2211	2214	rBV6	16525	27626	1.15%	0.128%
56	15.248	2214	2219	2224	rVV2	53828	101059	4.20%	0.467%
57	15.297	2224	2227	2232	rVB3	33063	52281	2.17%	0.242%
58	15.431	2242	2249	2254	rBV2	66758	127500	5.30%	0.590%
59	15.505	2256	2261	2265	rVB4	17588	31061	1.29%	0.144%
60	15.590	2265	2275	2284	rBV3	62700	203615	8.46%	0.942%
61	15.712	2290	2295	2300	rBV2	33748	56173	2.33%	0.260%
62	15.779	2300	2306	2312	rBV4	54478	114351	4.75%	0.529%
63	15.925	2321	2330	2335	rBV3	43749	101848	4.23%	0.471%
64	16.114	2352	2361	2366	rBV8	25931	70877	2.94%	0.328%
65	16.175	2366	2371	2376	rBV	58164	108151	4.49%	0.500%
66	16.370	2395	2403	2415	rBV	152864	336886	13.99%	1.558%

Sum of corrected areas: 21616919

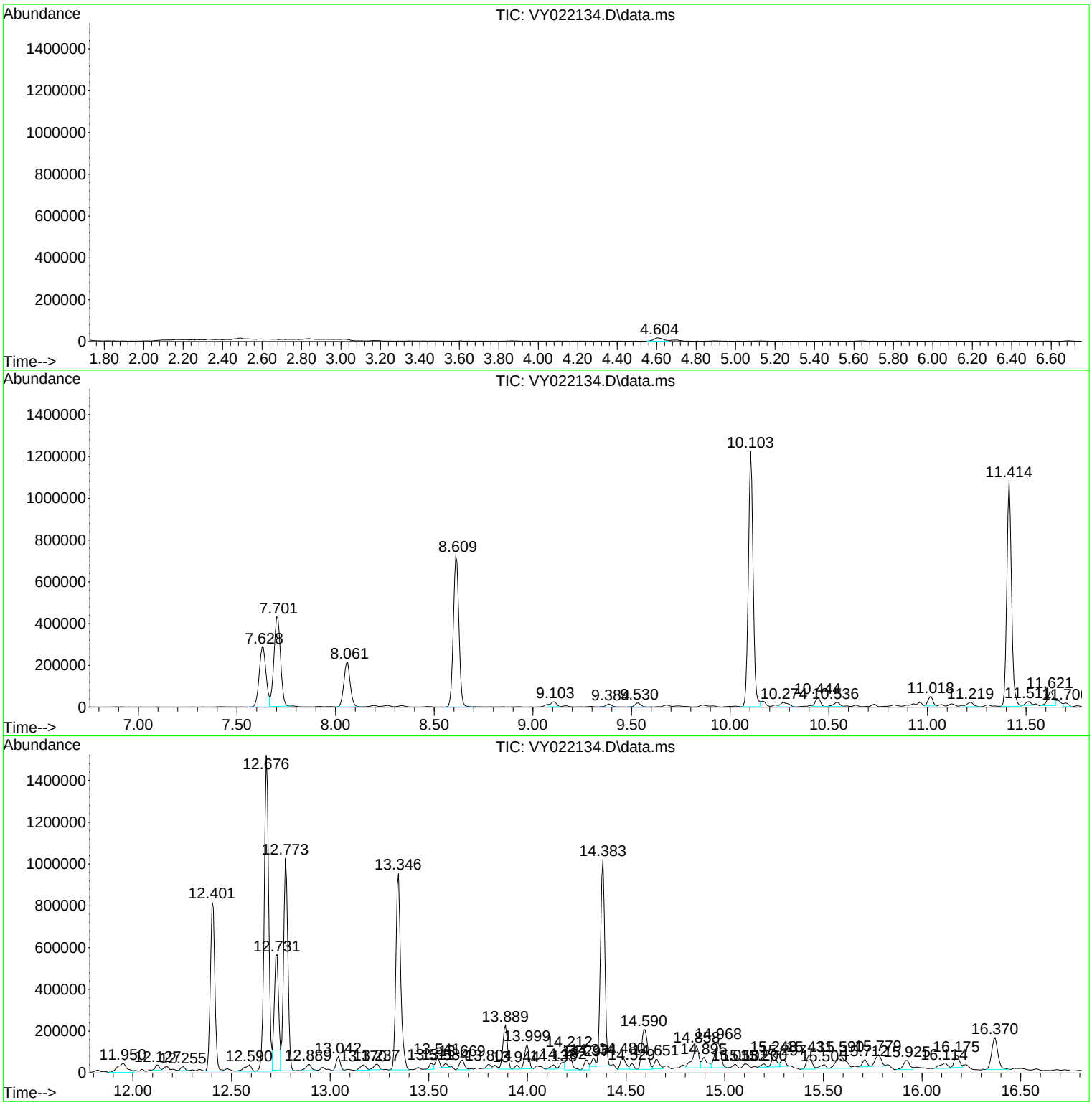
Sample Results: **VY022134.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

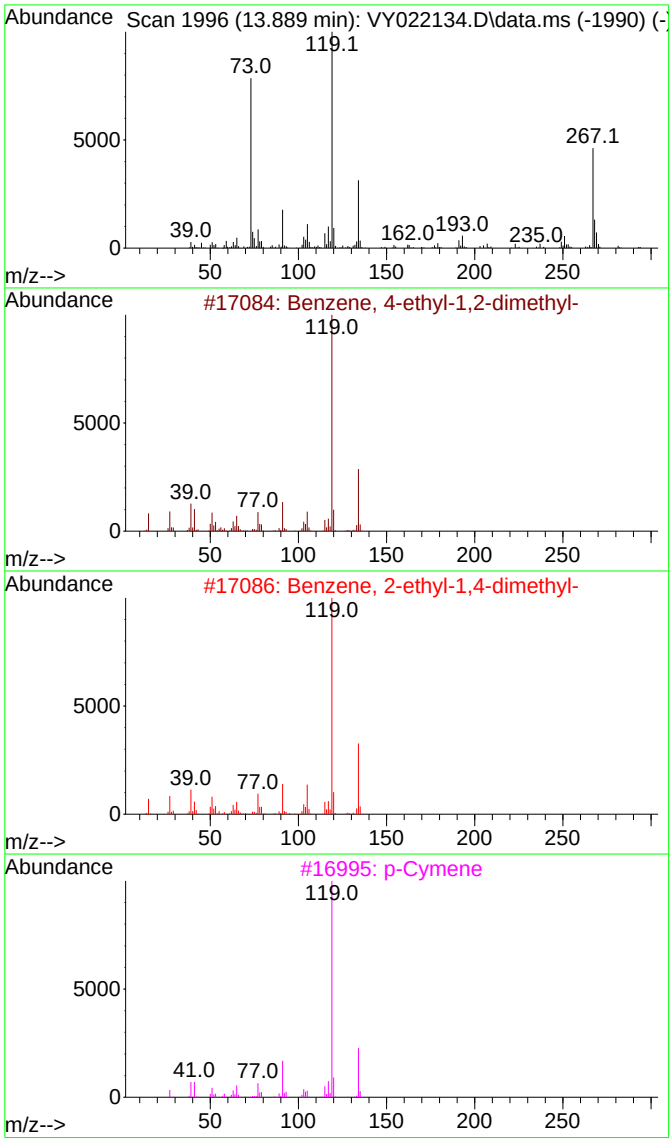
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

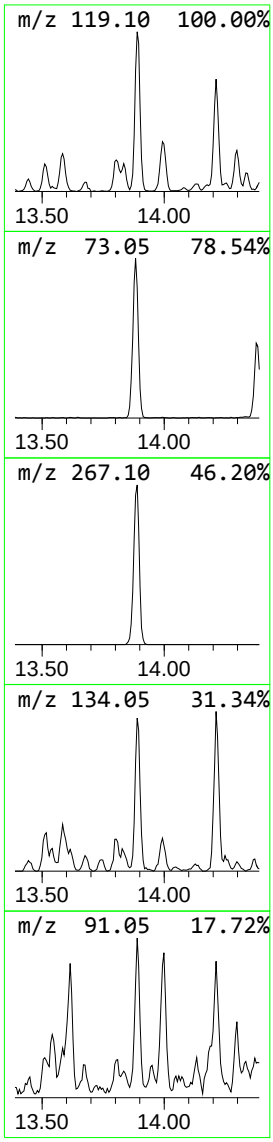
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	10.48 ug/l	335320	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	p-Cymene	134	C10H14	000099-87-6	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	o-Cymene	134	C10H14	000527-84-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

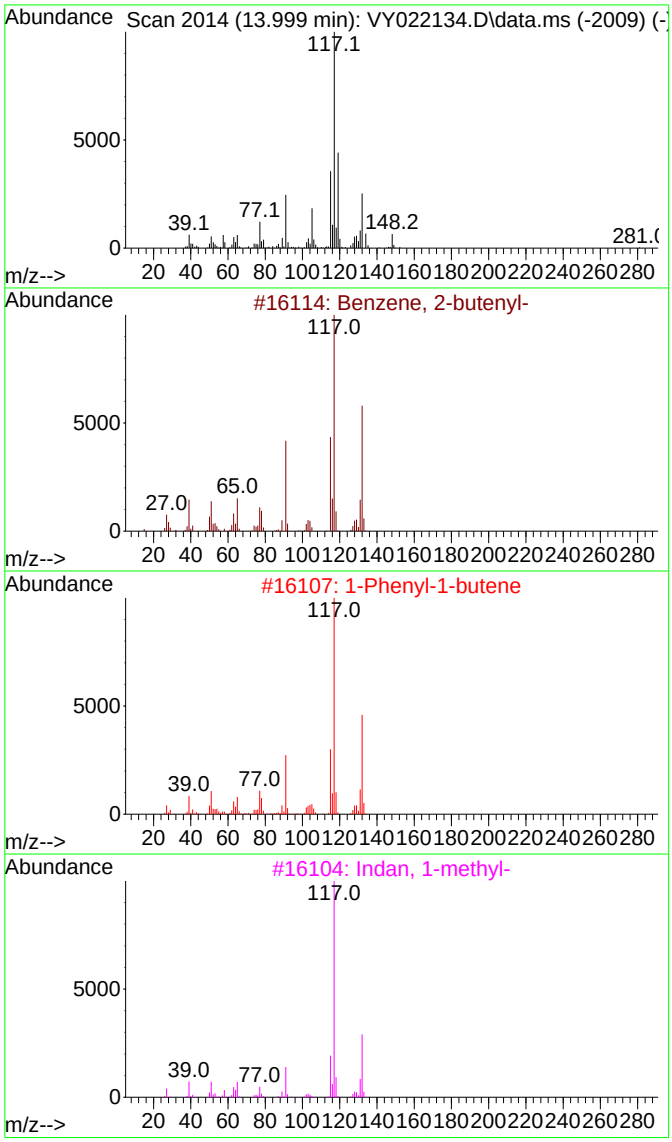
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

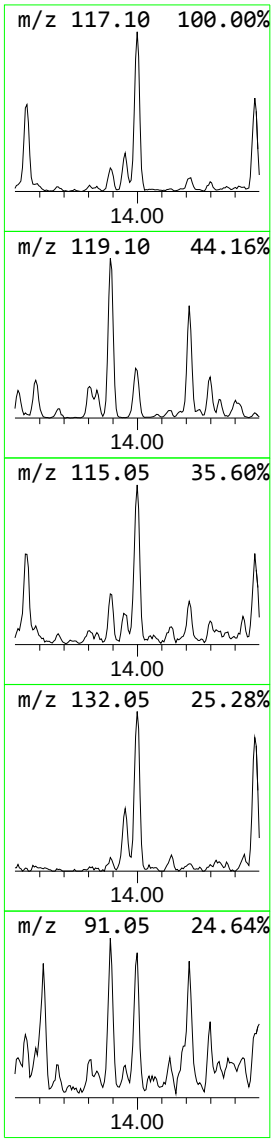
****

Peak Number 2 Benzene, 2-butenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	5.50 ug/l	176030	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	76
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
3	Indan, 1-methyl-	132	C10H12	000767-58-8	62
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

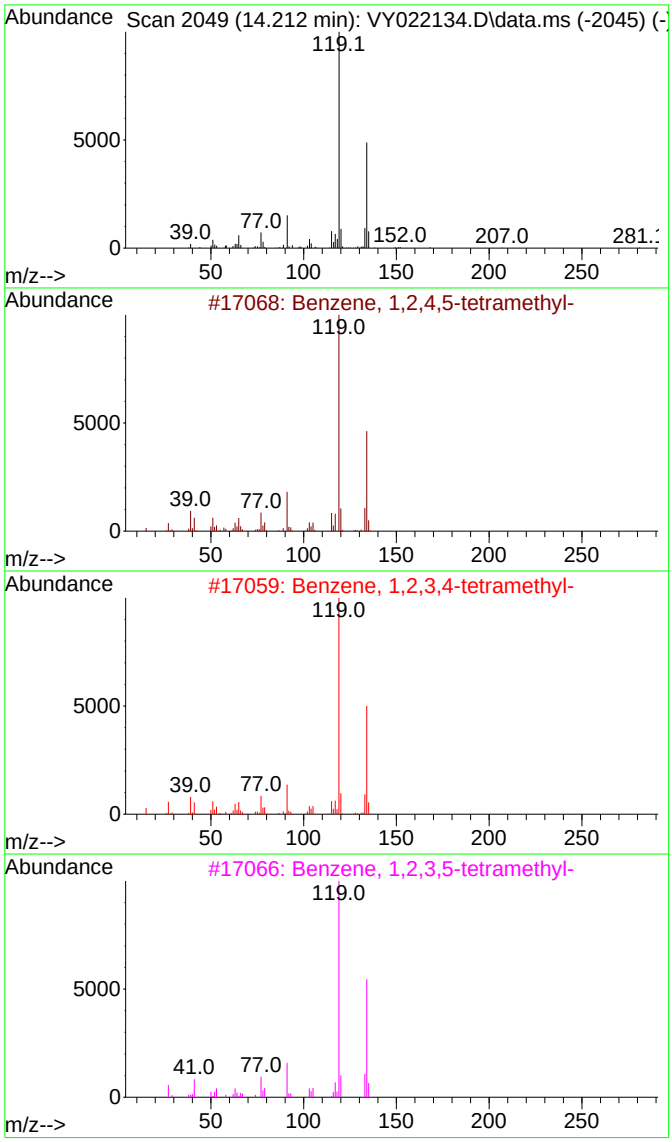
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

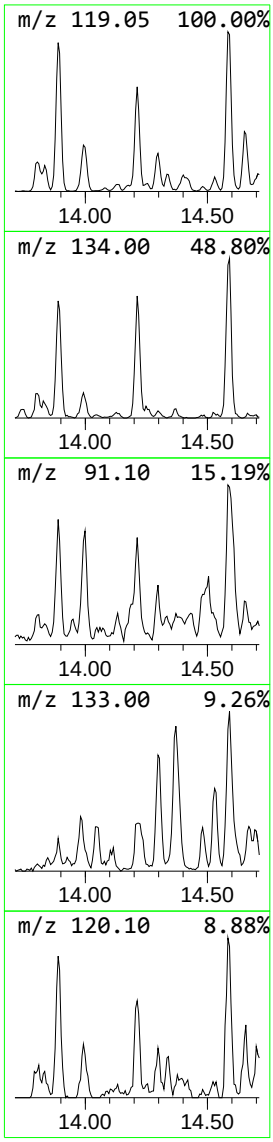
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	5.10 ug/l	163134	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

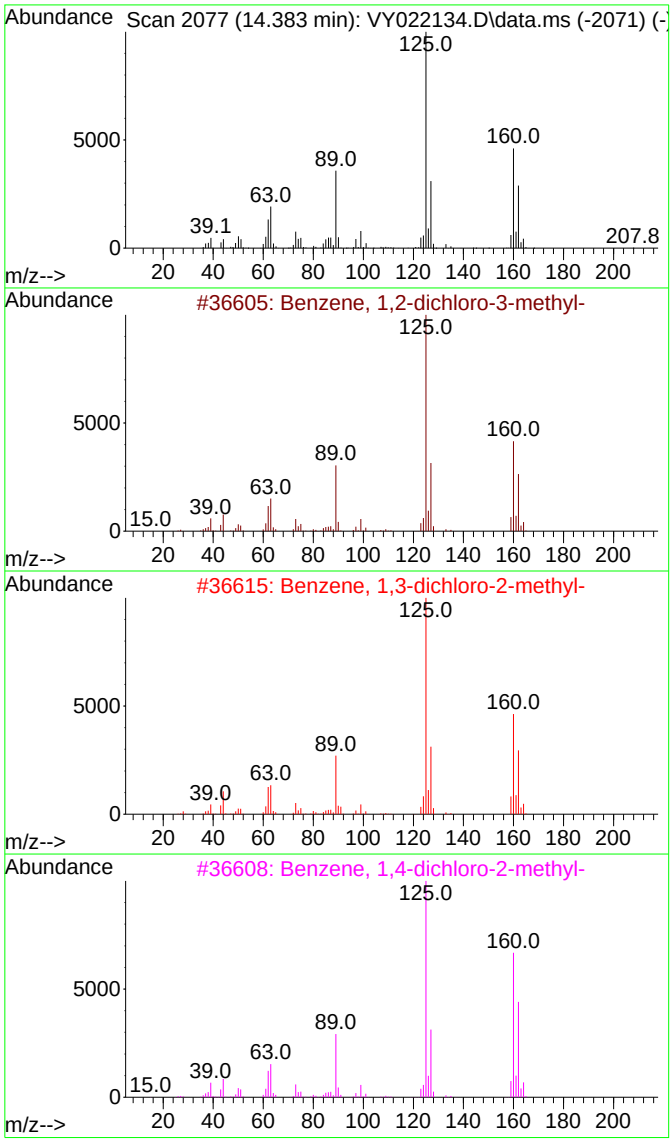
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

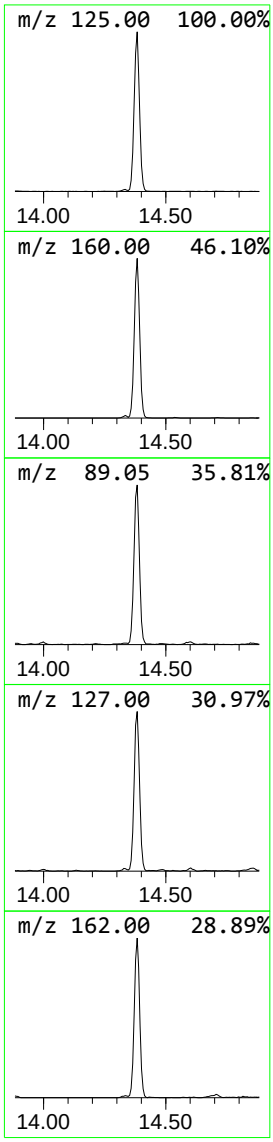
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1,2-dichloro-3-met... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	47.76 ug/l	1528540	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-3-methyl-	160	C7H6Cl2	032768-54-0	98
2	Benzene, 1,3-dichloro-2-methyl-	160	C7H6Cl2	000118-69-4	97
3	Benzene, 1,4-dichloro-2-methyl-	160	C7H6Cl2	019398-61-9	96
4	Benzene, 1,3-dichloro-5-methyl-	160	C7H6Cl2	025186-47-4	96
5	Benzene, 1-chloro-2-(chloromethyl)-	160	C7H6Cl2	000611-19-8	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

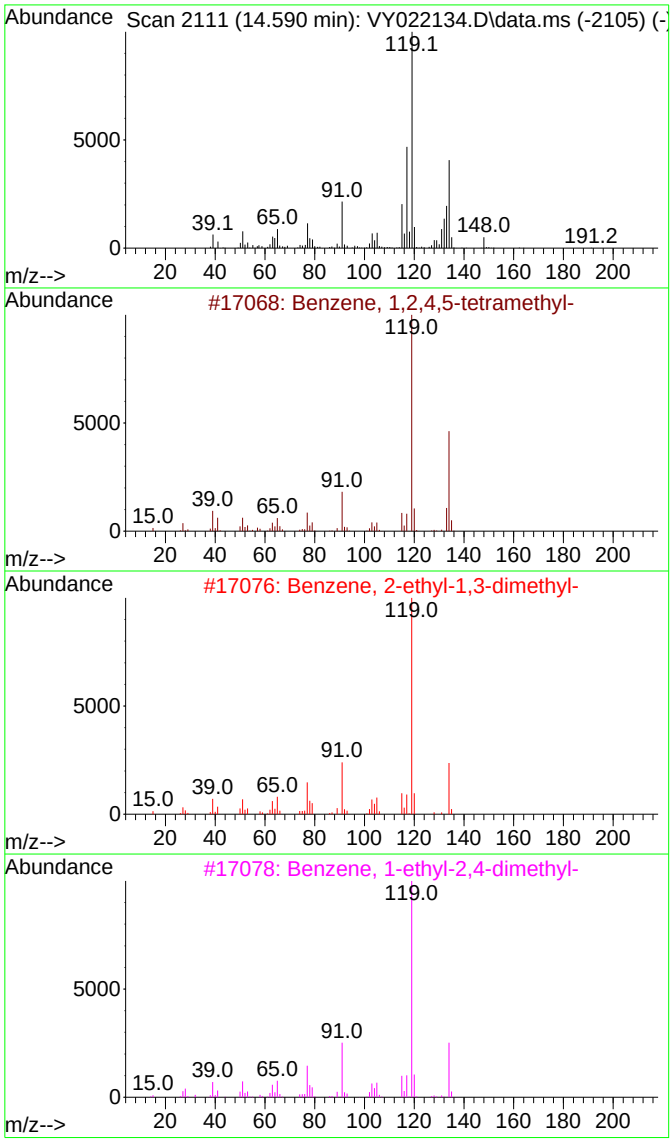
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

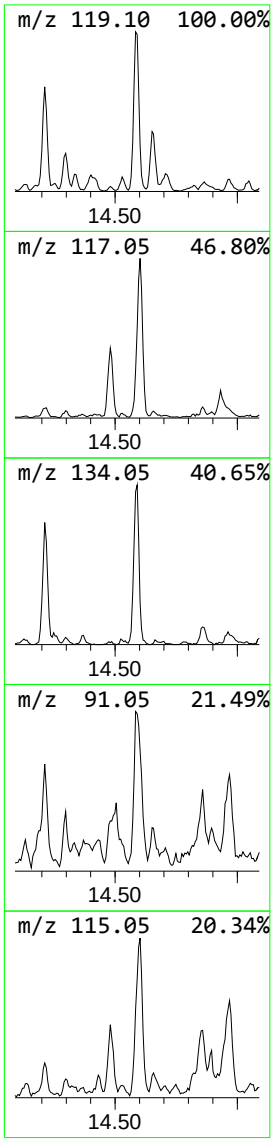
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.590	12.68 ug/l	405718	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	58
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

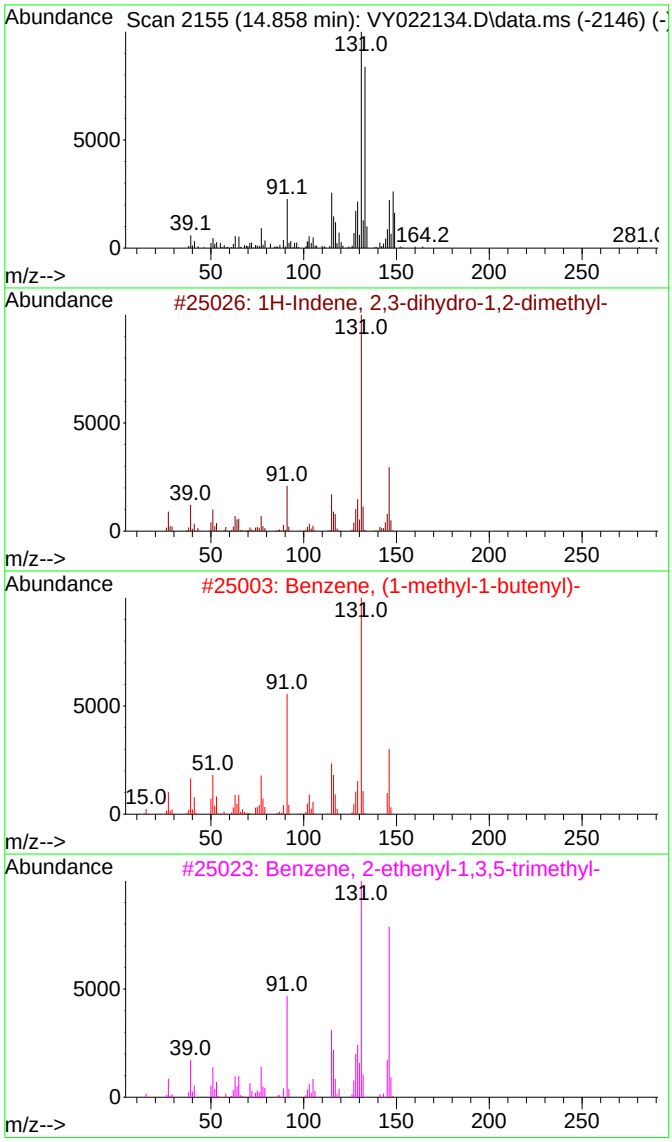
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

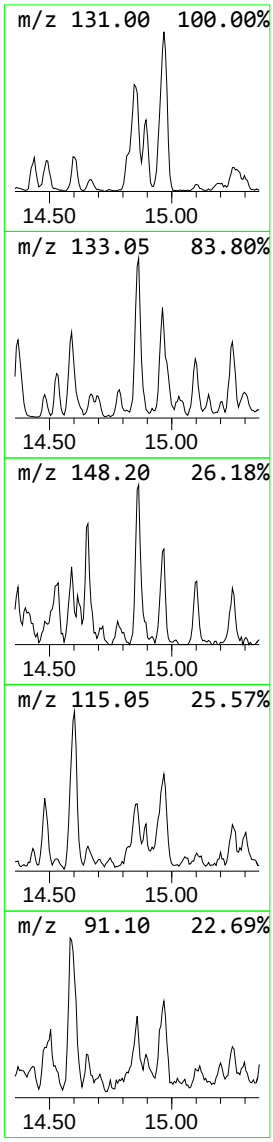
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.858	7.10 ug/l	227195	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	55
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

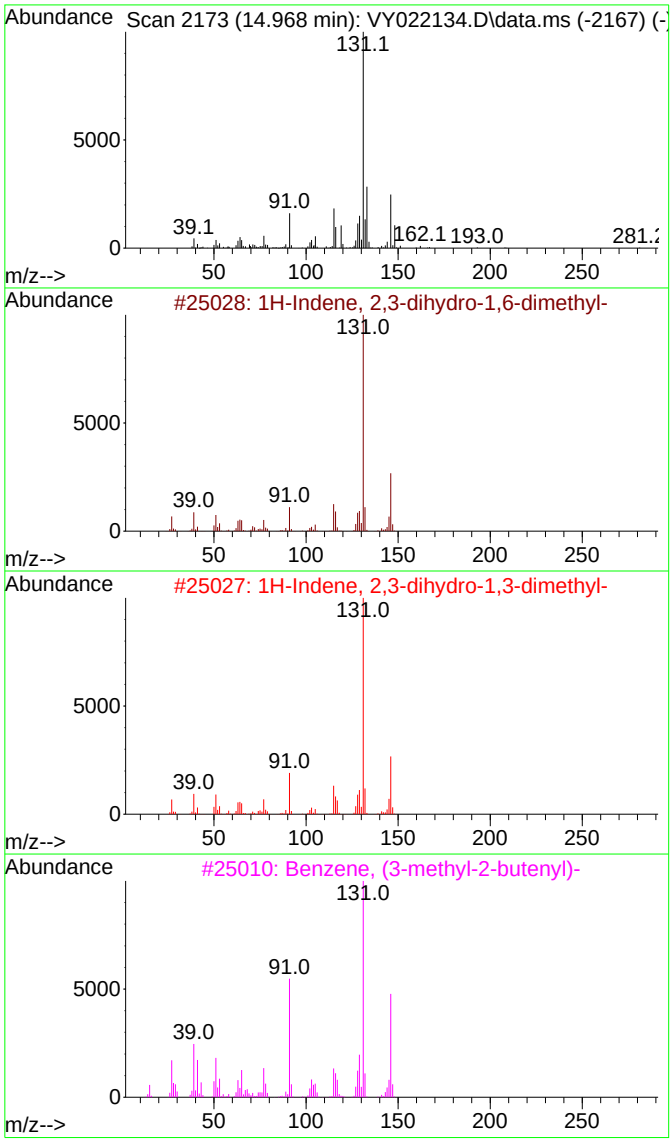
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

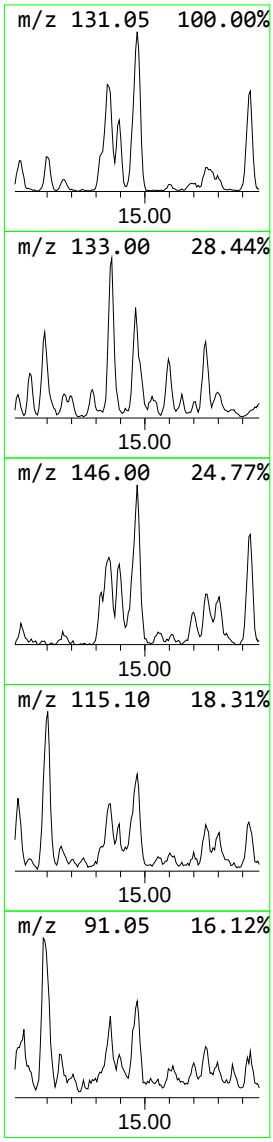
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.968	7.95 ug/l	254263	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

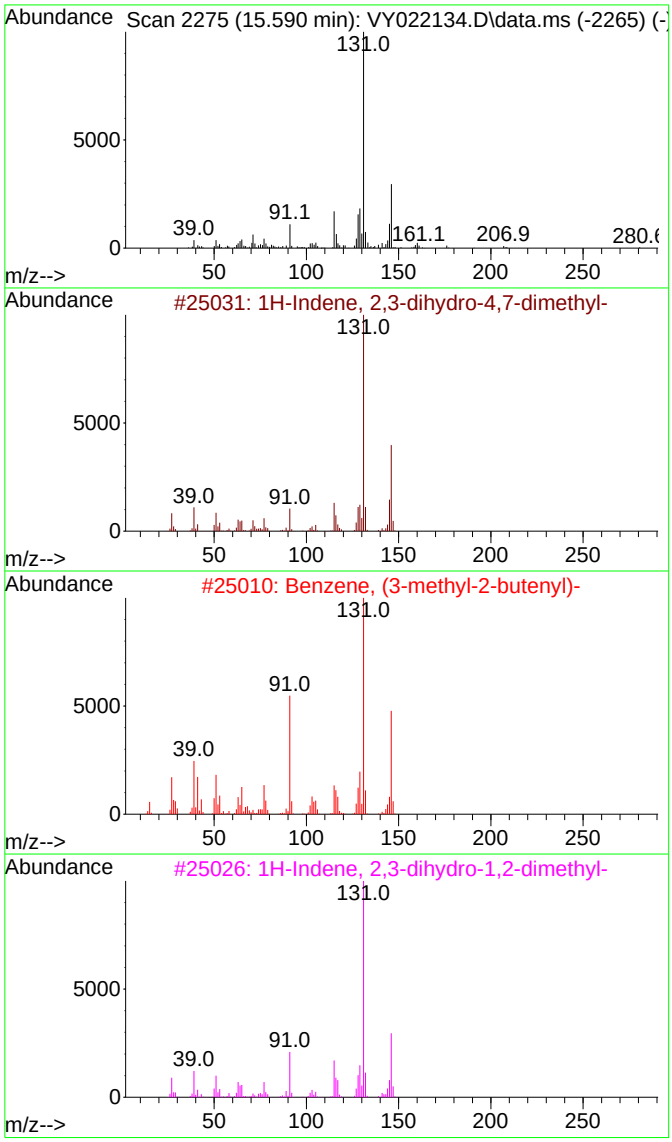
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

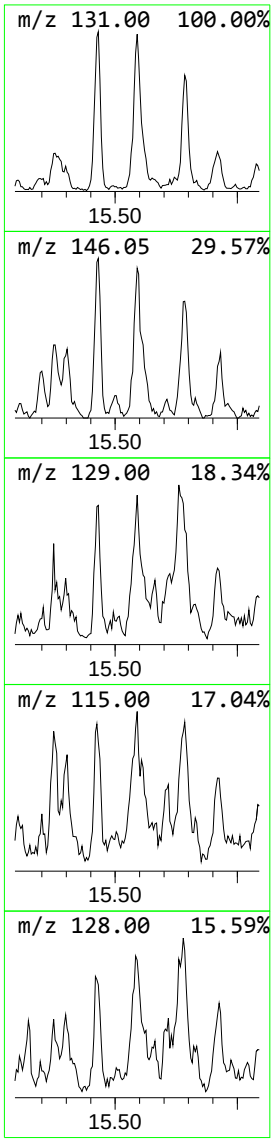
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.590	6.36 ug/l	203615	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

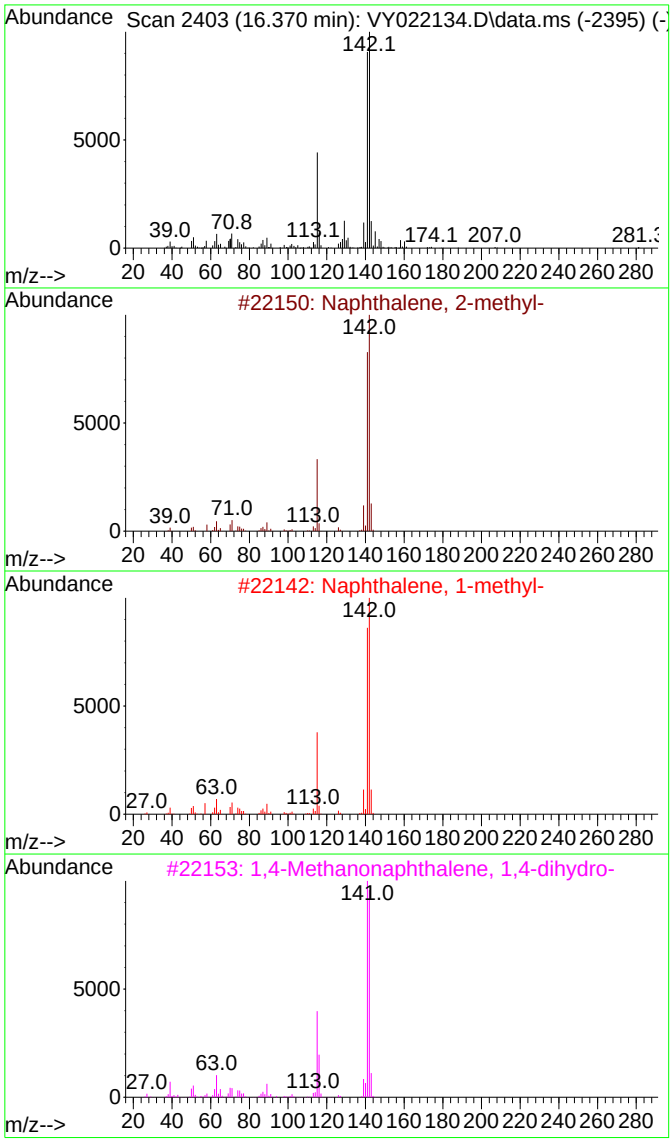
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

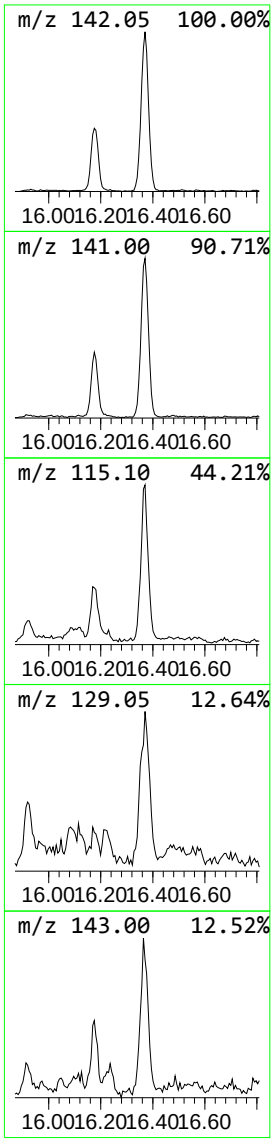
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.370	10.53 ug/l	336886	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
4	Benzocycloheptatriene	142	C11H10	000264-09-5	87
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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
Benzene, 4-ethy...	13.889	10.5	ug/l	335320	4	13.346	1600070	50.0
Benzene, 2-bute...	13.999	5.5	ug/l	176030	4	13.346	1600070	50.0
Benzene, 1,2,4,...	14.212	5.1	ug/l	163134	4	13.346	1600070	50.0
Benzene, 1,2-di...	14.383	47.8	ug/l	1528540	4	13.346	1600070	50.0
Benzene, 2-ethy...	14.590	12.7	ug/l	405718	4	13.346	1600070	50.0
1H-Indene, 2,3-...	14.858	7.1	ug/l	227195	4	13.346	1600070	50.0
1H-Indene, 2,3-...	14.968	8.0	ug/l	254263	4	13.346	1600070	50.0
1H-Indene, 2,3-...	15.590	6.4	ug/l	203615	4	13.346	1600070	50.0
Naphthalene, 2-...	16.370	10.5	ug/l	336886	4	13.346	1600070	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Time: May 03 02:52:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

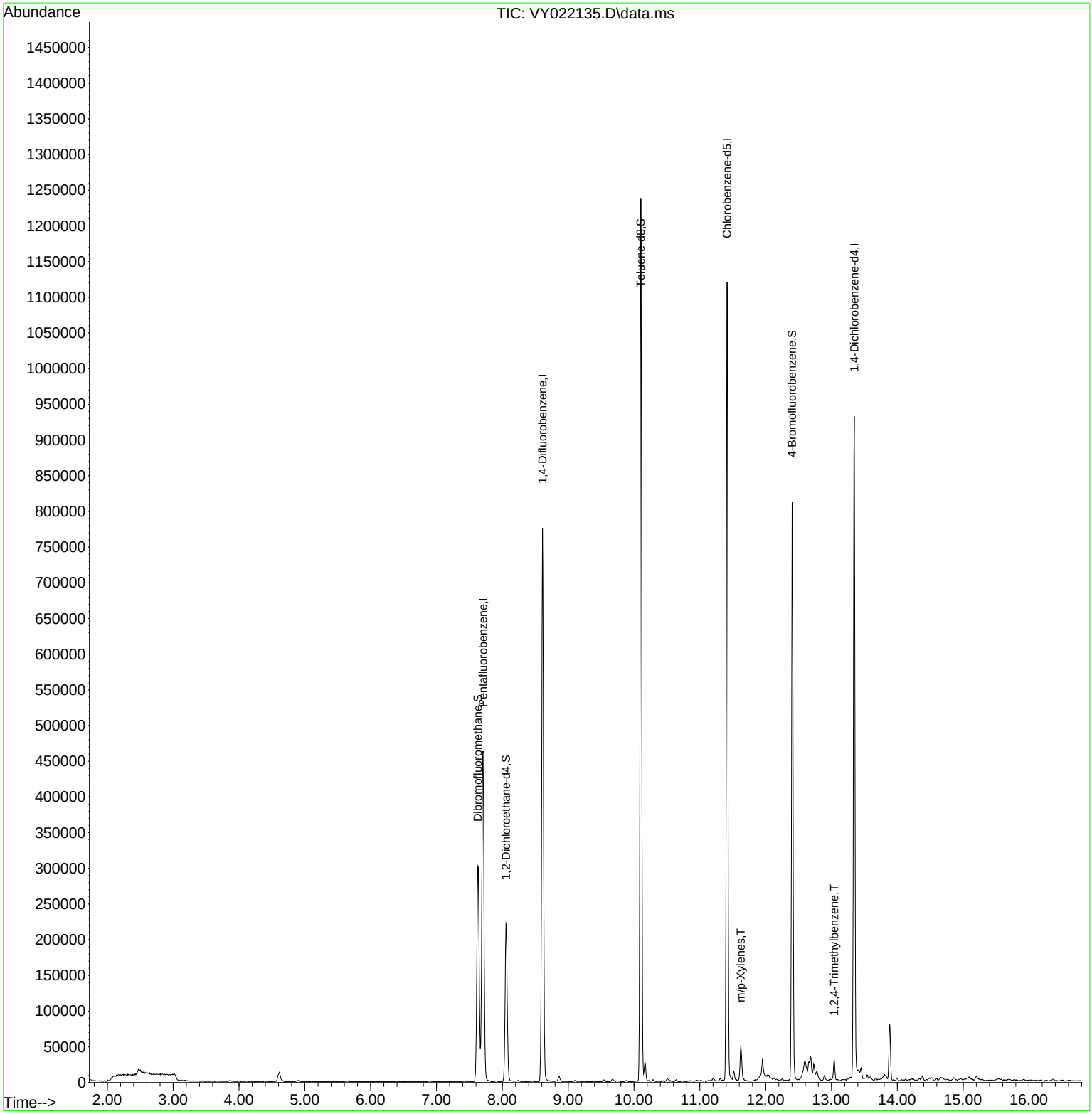
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	358545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	672036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	603590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	176211	53.207	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.420%			
35) Dibromofluoromethane	7.628	113	220250	49.608	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.220%			
50) Toluene-d8	10.103	98	810645	48.431	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.860%			
62) 4-Bromofluorobenzene	12.402	95	251156	44.573	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.140%			
Target Compounds						Qvalue
68) m/p-Xylenes	11.621	106	14341	1.632	ug/l	92
84) 1,2,4-Trimethylbenzene	13.042	105	14082	1.042	ug/l	96

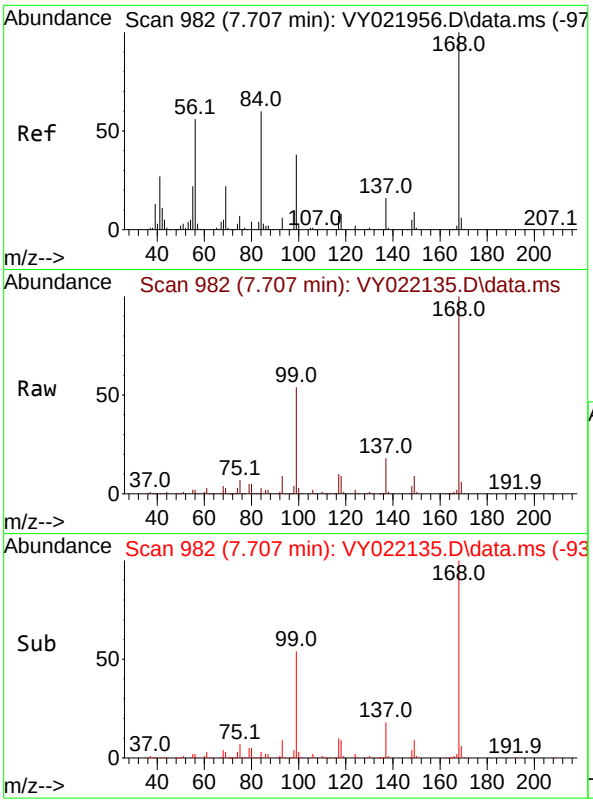
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Time: May 03 02:52:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



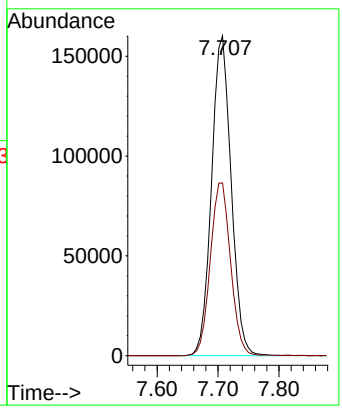


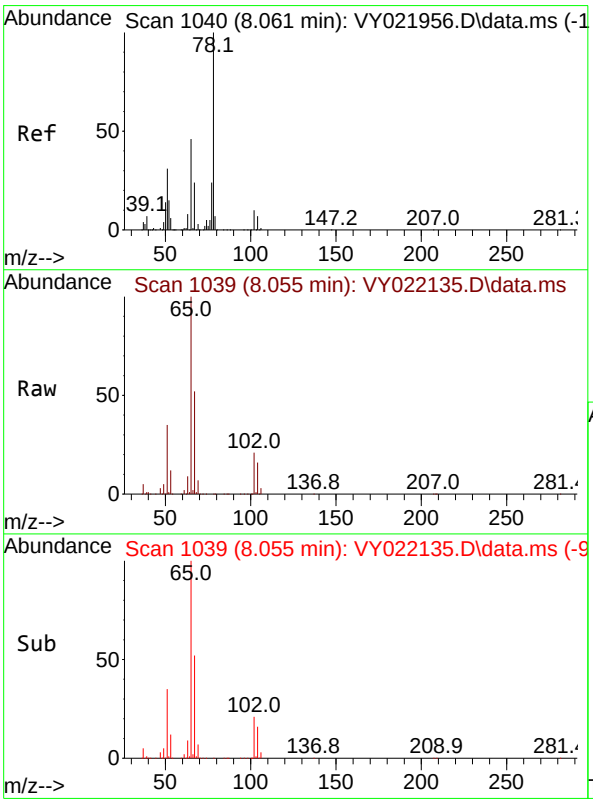
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Tgt Ion:168 Resp: 358545

Ion	Ratio	Lower	Upper
168	100		
99	54.0	43.1	64.7

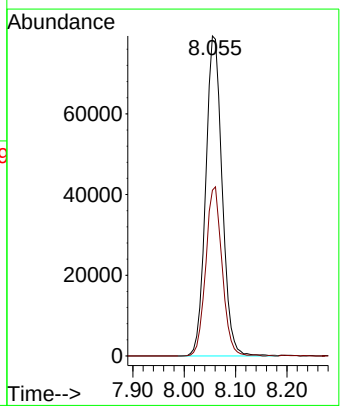


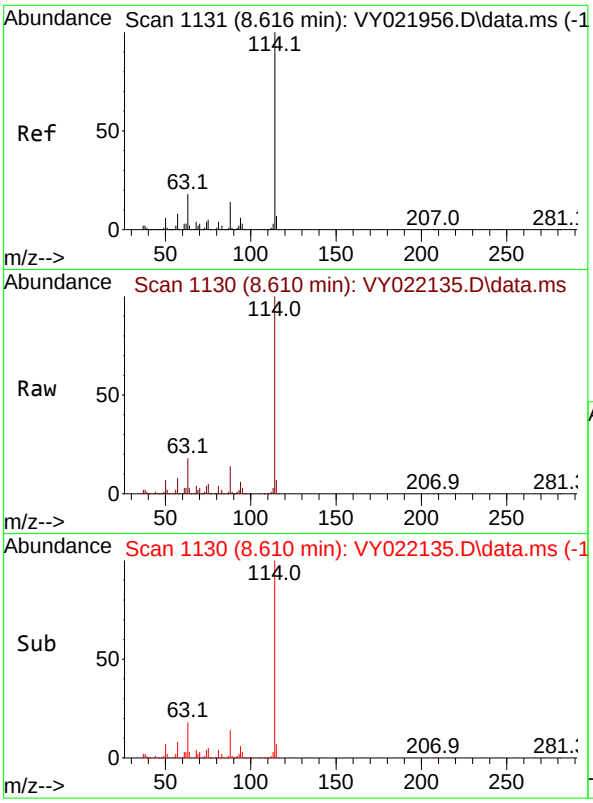


#33
1,2-Dichloroethane-d4
Concen: 53.207 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion: 65 Resp: 176211

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.8



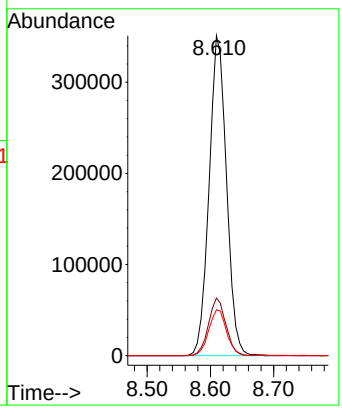


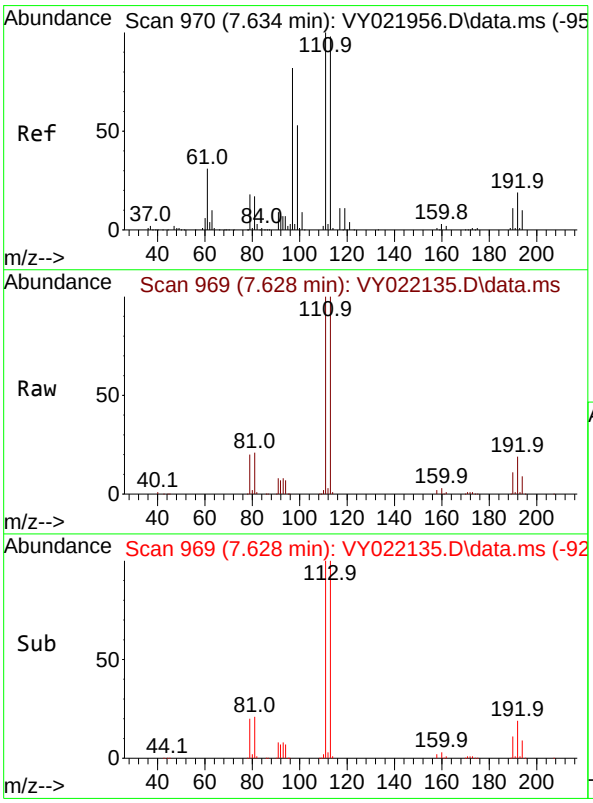
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Tgt Ion:114 Resp: 672036

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	35.4
88	14.4	0.0	28.2

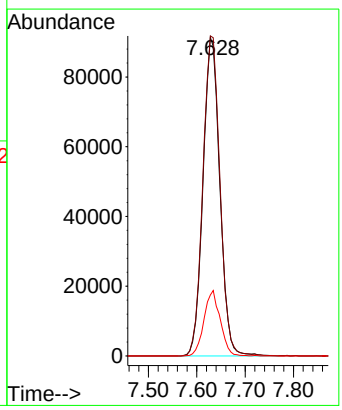


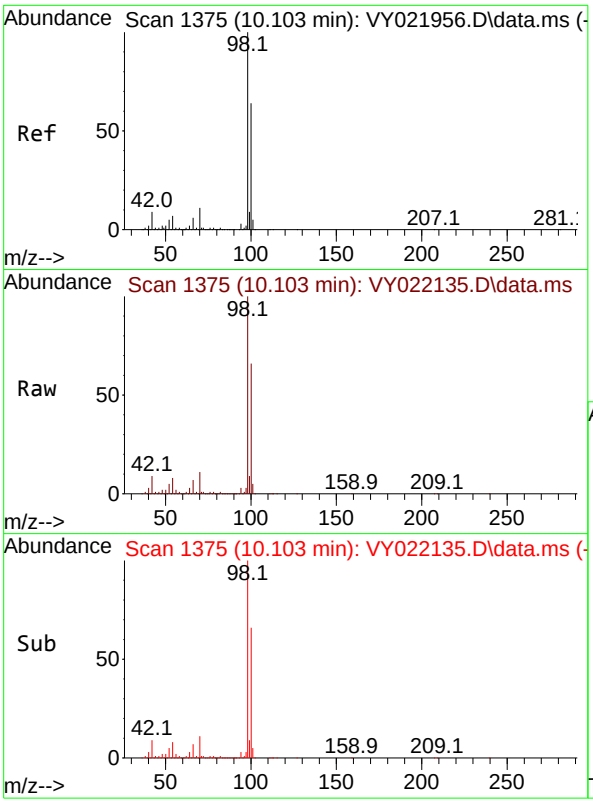


#35
Dibromofluoromethane
Concen: 49.608 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion:113 Resp: 220250

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	19.9	15.6	23.4



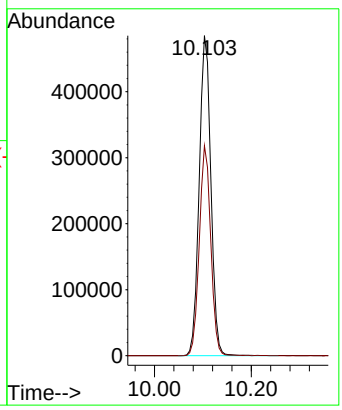


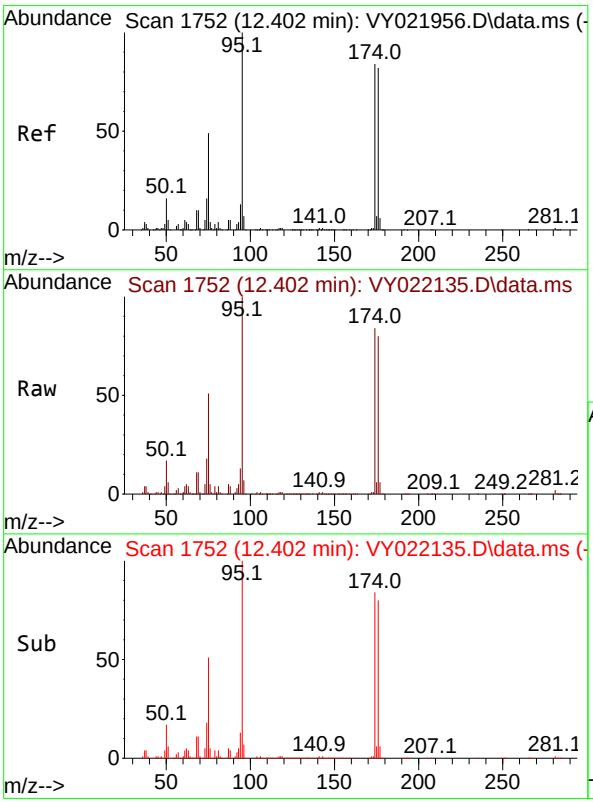
#50
Toluene-d8
Concen: 48.431 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Tgt Ion: 98 Resp: 810645

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4

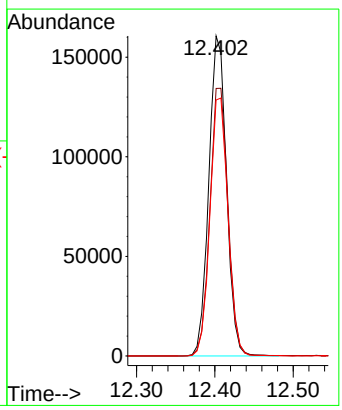




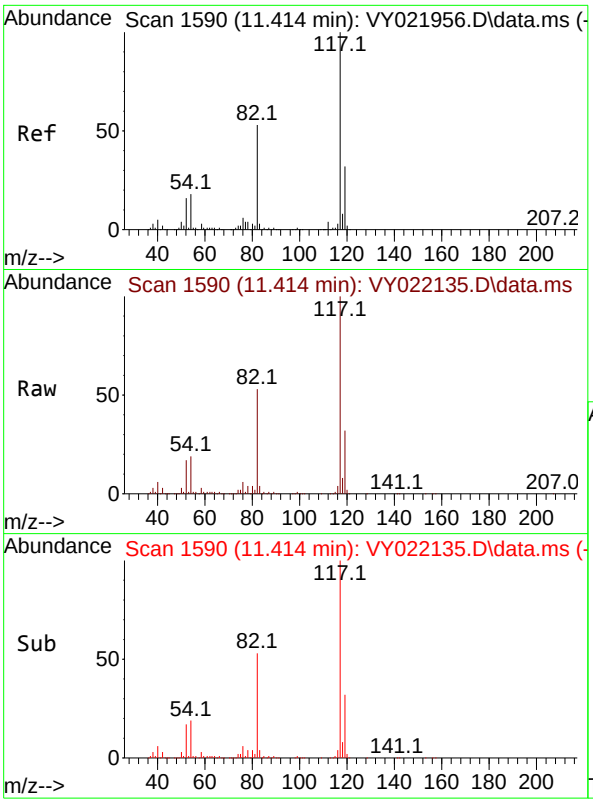
#62
4-Bromofluorobenzene
Concen: 44.573 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion: 95 Resp: 251156

Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	179.0
176	82.4	0.0	171.8



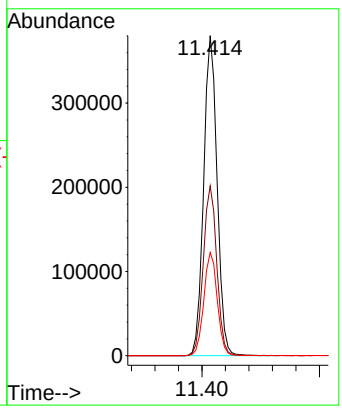
Instrument :
MSVOA_Y
ClientSampleId :
GB3

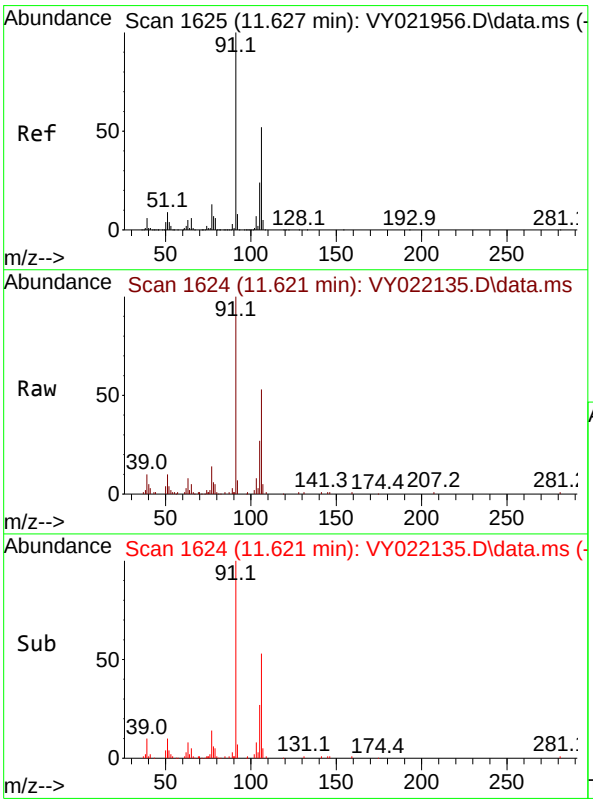


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion:117 Resp: 603590

Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.1	63.1
119	32.2	25.7	38.5

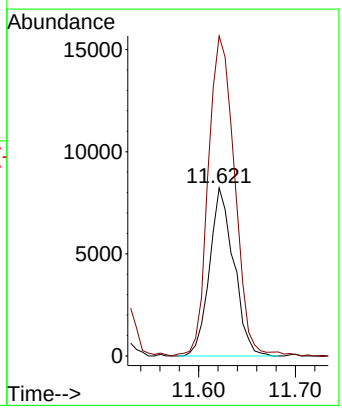


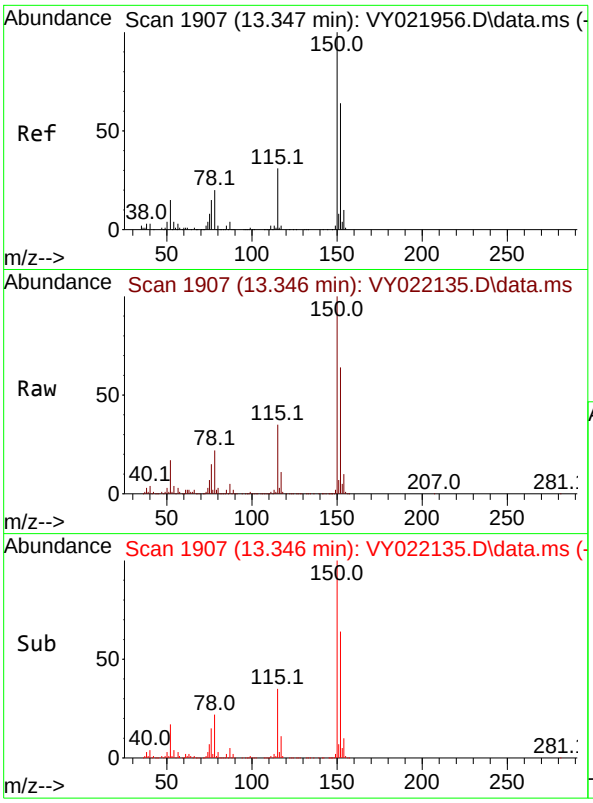


#68
m/p-Xylenes
Concen: 1.632 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion:106 Resp: 14341

Ion	Ratio	Lower	Upper
106	100		
91	207.6	156.2	234.2



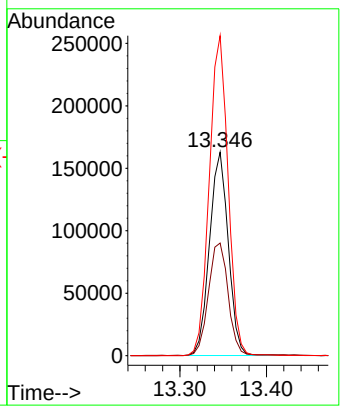


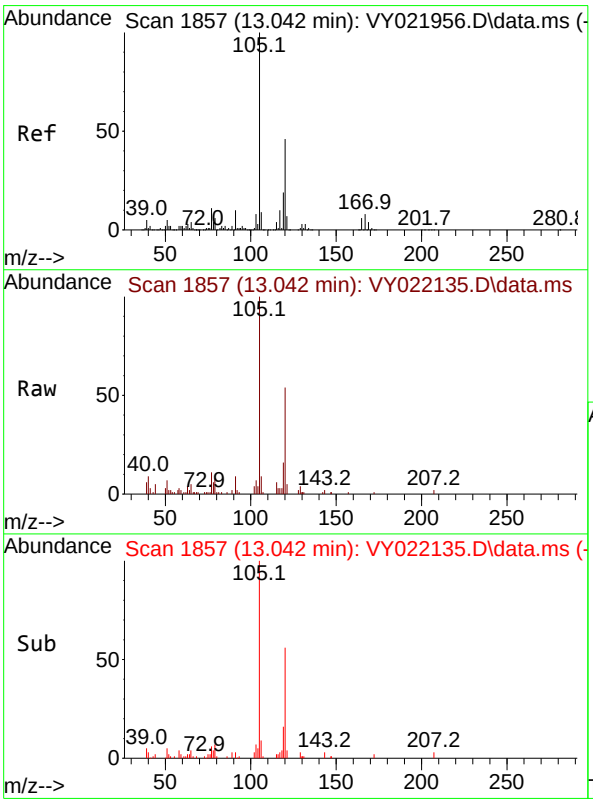
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Tgt Ion:152 Resp: 245556

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.0	84.0
150	157.5	0.0	345.6

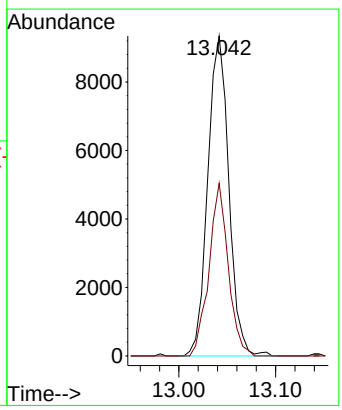




#84
1,2,4-Trimethylbenzene
Concen: 1.042 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion:105 Resp: 14082

Ion	Ratio	Lower	Upper
105	100		
120	49.5	23.4	70.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

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\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022135.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.013	210	212	223	rVB3	9498	21661	1.05%	0.195%
2	4.616	464	475	481	rBV2	13504	37214	1.80%	0.334%
3	7.628	957	969	975	rBV	301732	730262	35.35%	6.561%
4	7.707	975	982	1002	rVB	462975	1075988	52.08%	9.668%
5	8.055	1031	1039	1051	rBV	220727	493414	23.88%	4.433%
6	8.610	1121	1130	1145	rBV	775382	1499524	72.58%	13.473%
7	10.103	1367	1375	1382	rBV	1236441	2065926	100.00%	18.562%
8	10.170	1382	1386	1394	rVB	25662	46857	2.27%	0.421%
9	11.414	1581	1590	1603	rBV	1117974	1789317	86.61%	16.077%
10	11.621	1618	1624	1631	rBV	47508	90276	4.37%	0.811%
11	11.950	1665	1678	1686	rBV	28108	72484	3.51%	0.651%
12	12.402	1744	1752	1764	rBV	810522	1311000	63.46%	11.779%
13	12.591	1769	1783	1790	rVV6	25120	96718	4.68%	0.869%
14	12.658	1790	1794	1795	rVV	25053	38717	1.87%	0.348%
15	12.682	1796	1798	1802	rVV2	31869	48643	2.35%	0.437%
16	12.731	1802	1806	1811	rVV4	21216	43469	2.10%	0.391%
17	13.042	1851	1857	1864	rVB	28193	42813	2.07%	0.385%
18	13.346	1900	1907	1915	rBV	925863	1451096	70.24%	13.038%
19	13.450	1921	1924	1928	rVB2	14732	21542	1.04%	0.194%
20	13.804	1974	1982	1990	rBV10	6684	21558	1.04%	0.194%
21	13.883	1990	1995	2002	rVB2	78816	131215	6.35%	1.179%

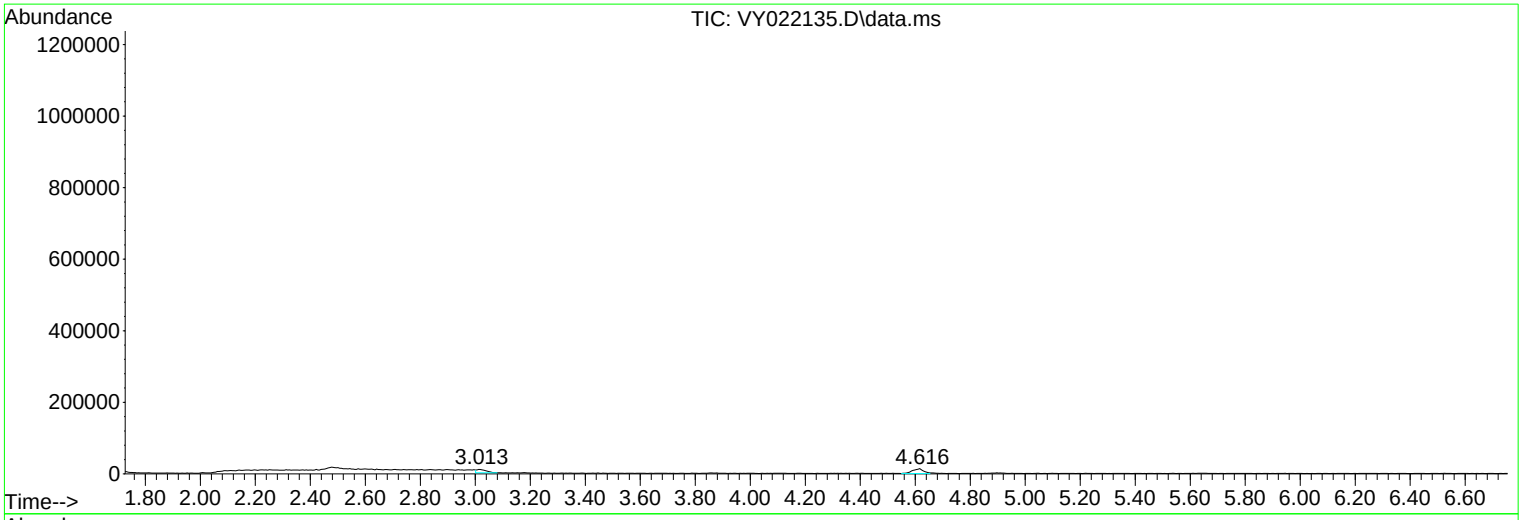
Sum of corrected areas: 11129694

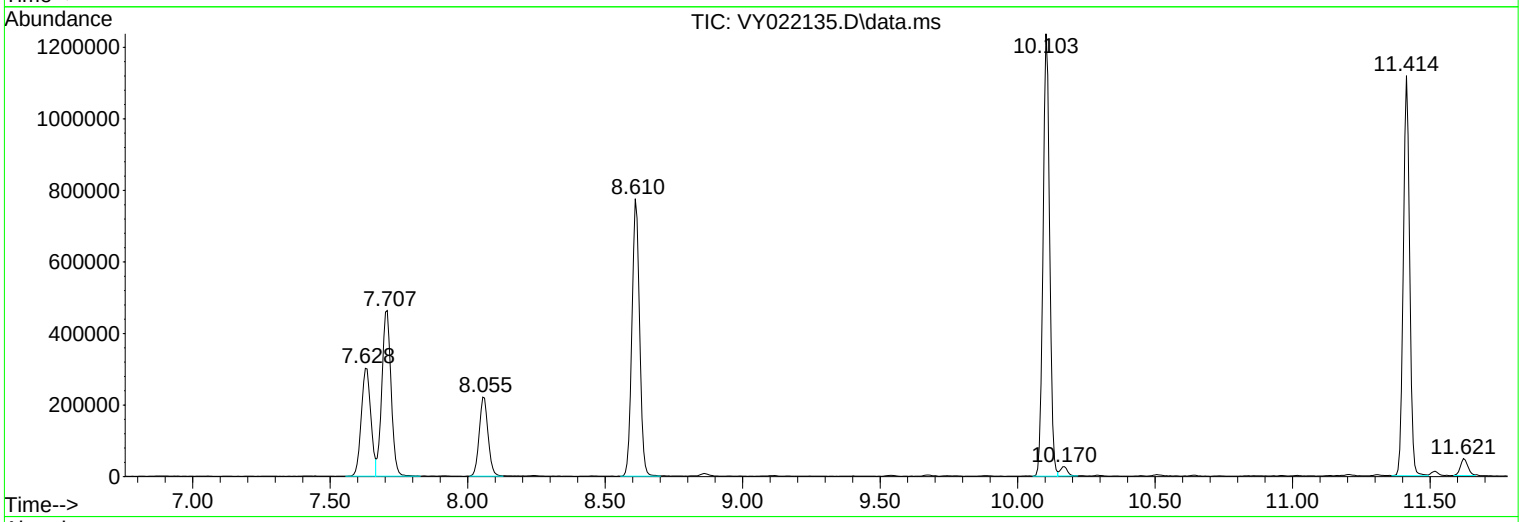
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

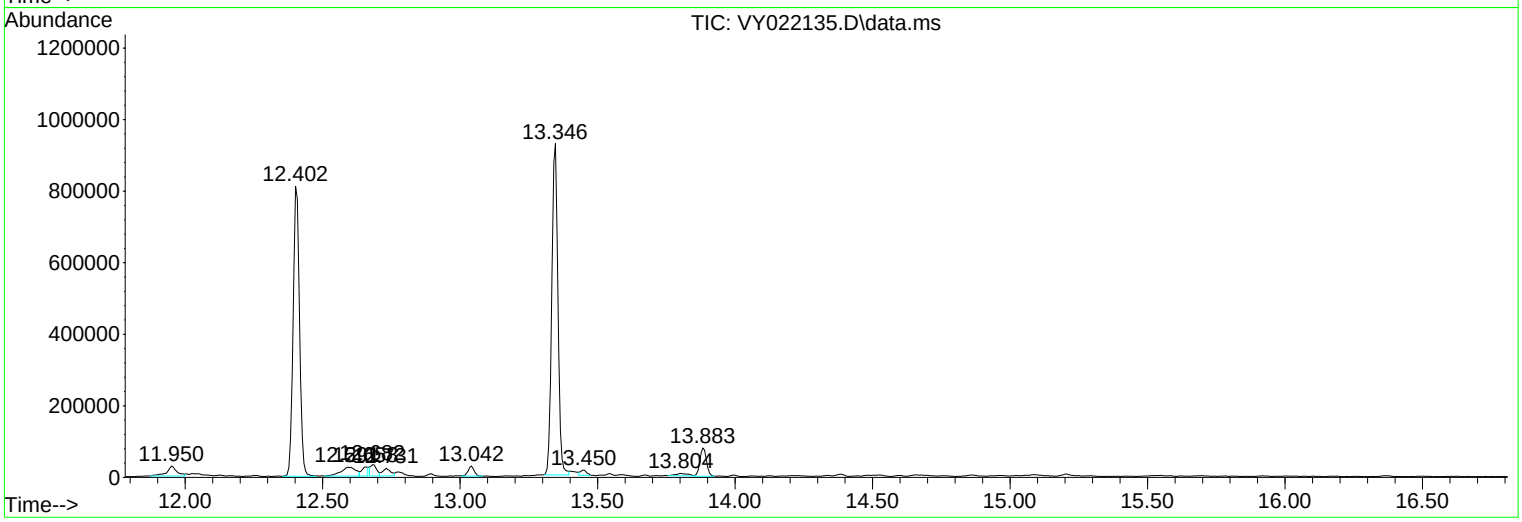
Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Time: May 06 01:48:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

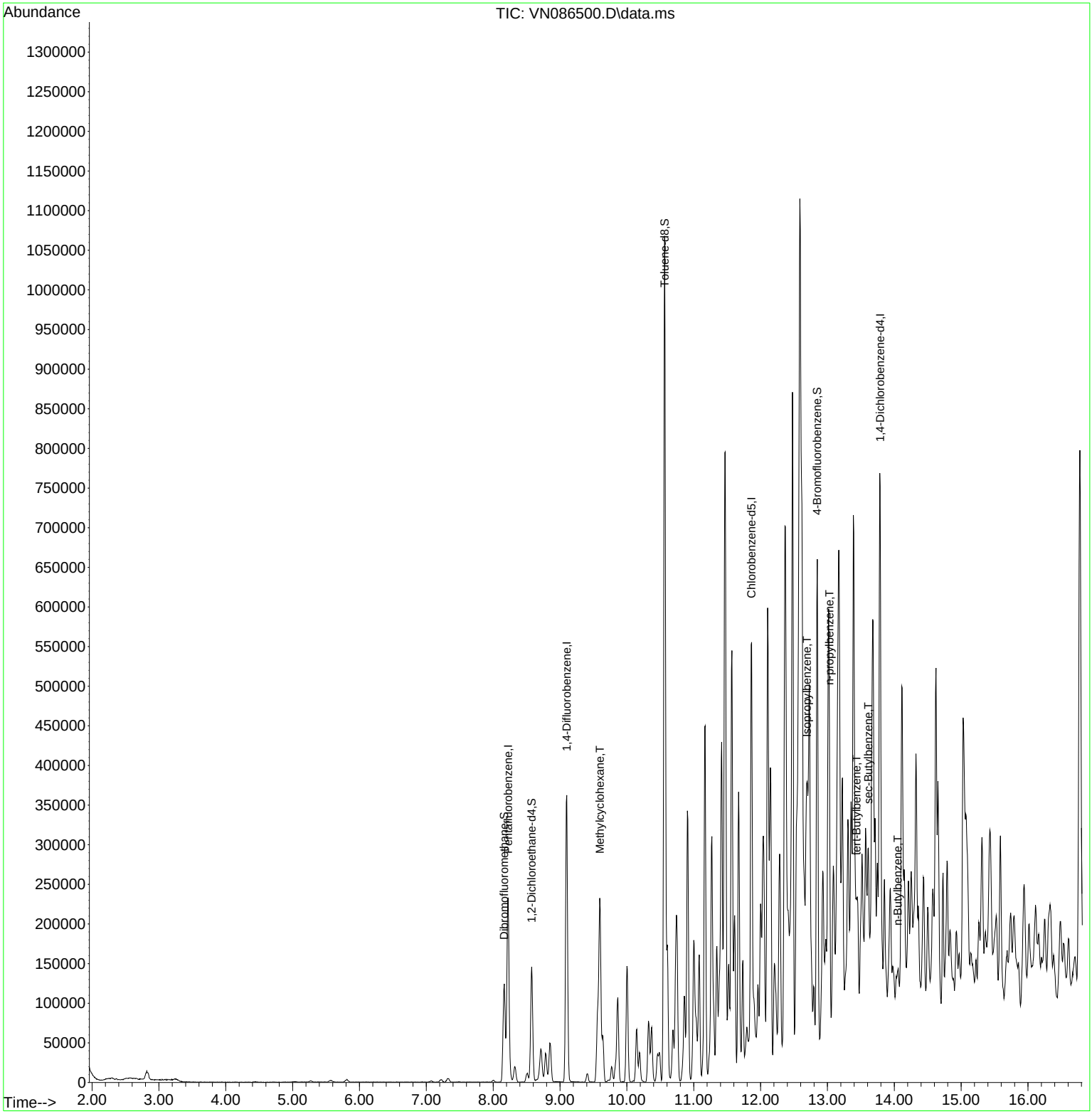
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	176014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	330285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	317139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119417	46.787	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.580%			
35) Dibromofluoromethane	8.165	113	90948	59.331	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.660%			
50) Toluene-d8	10.565	98	449439	54.860	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.720%			
62) 4-Bromofluorobenzene	12.847	95	168278	56.315	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.620%			
Target Compounds						Qvalue
39) Methylcyclohexane	9.594	83	103464	28.431	ug/l	99
73) Isopropylbenzene	12.694	105	56356	4.494	ug/l	97
78) n-propylbenzene	13.029	91	112868	7.637	ug/l	100
83) tert-Butylbenzene	13.435	119	12456	1.400	ug/l	86
85) sec-Butylbenzene	13.612	105	62042	5.029	ug/l #	70
89) n-Butylbenzene	14.053	91	19294	2.141	ug/l #	85

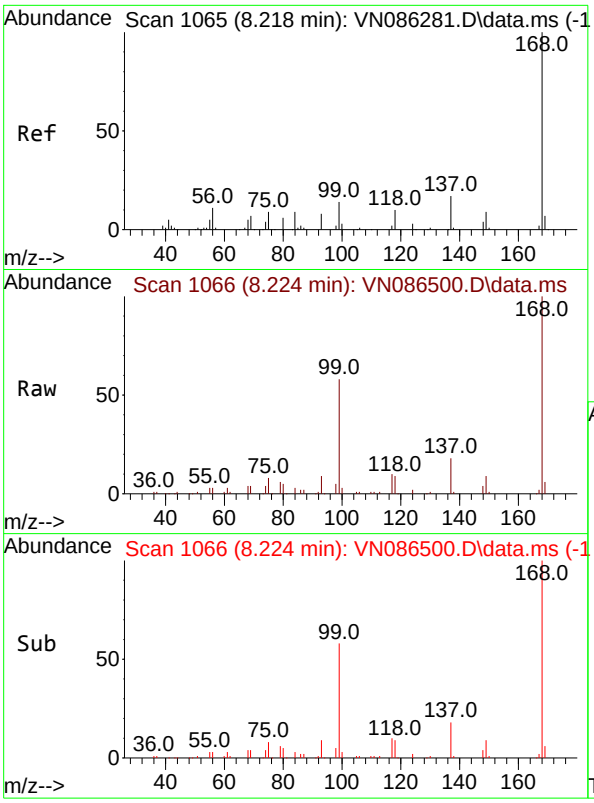
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Time: May 06 01:48:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



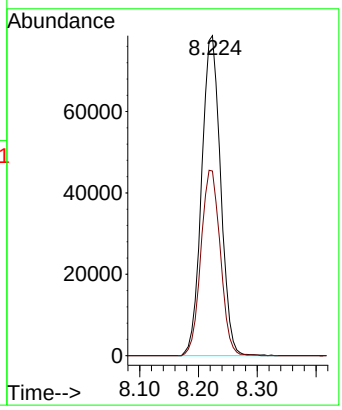


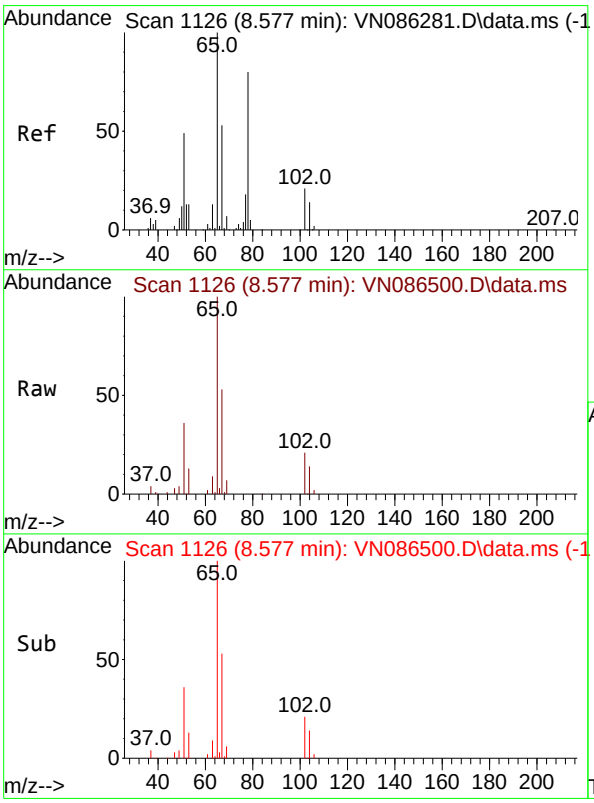
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion:168 Resp: 176014

Ion	Ratio	Lower	Upper
168	100		
99	57.7	52.5	78.7

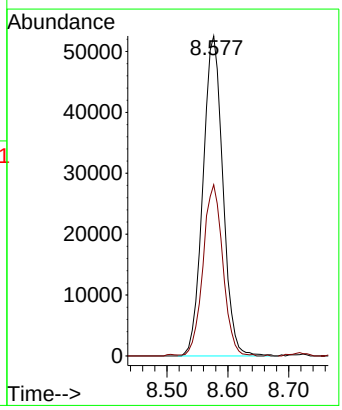


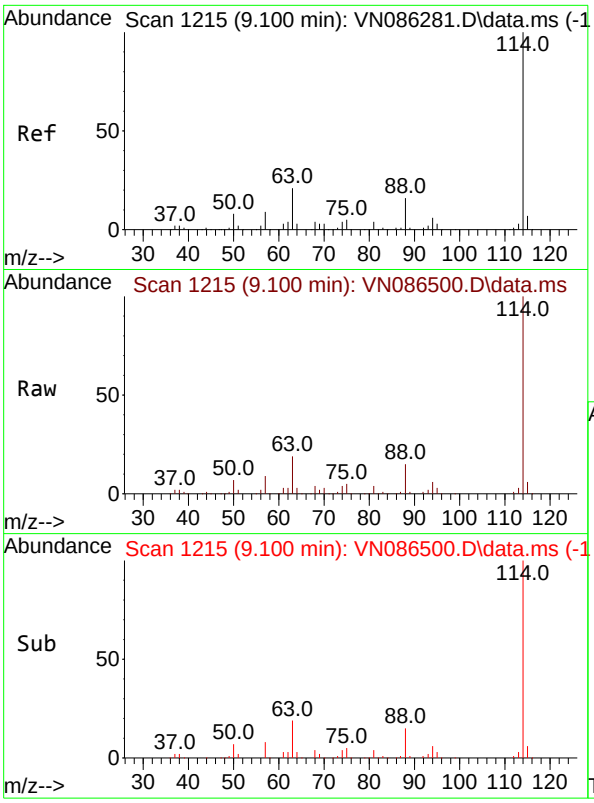


#33
1,2-Dichloroethane-d4
Concen: 46.787 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 65 Resp: 119417

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.0



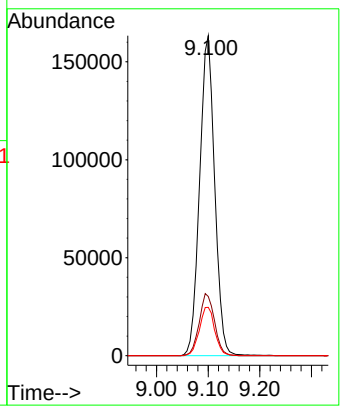


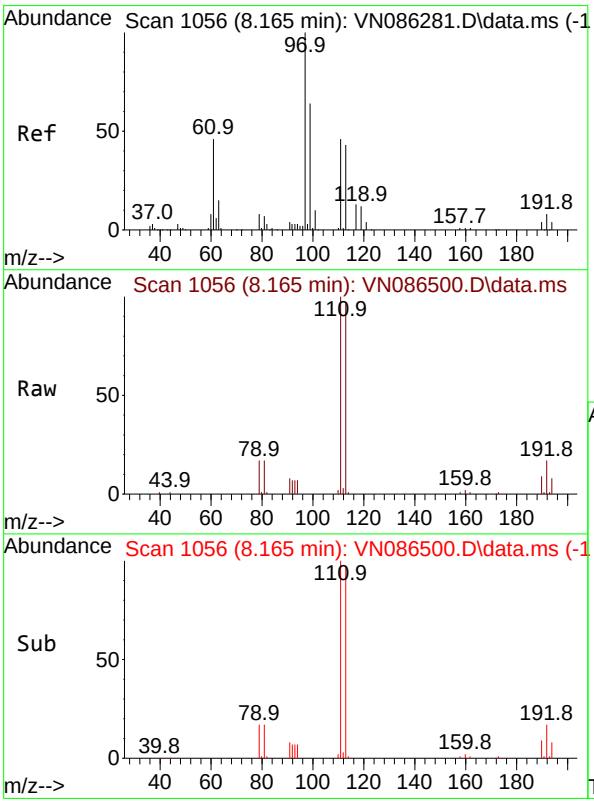
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion:114 Resp: 330285

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	42.6
88	15.1	0.0	31.8

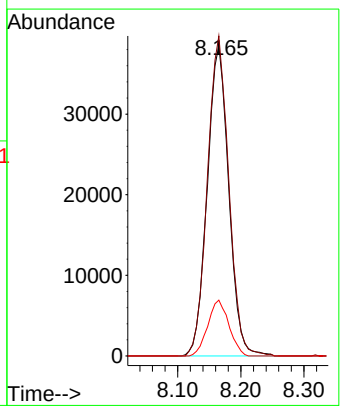


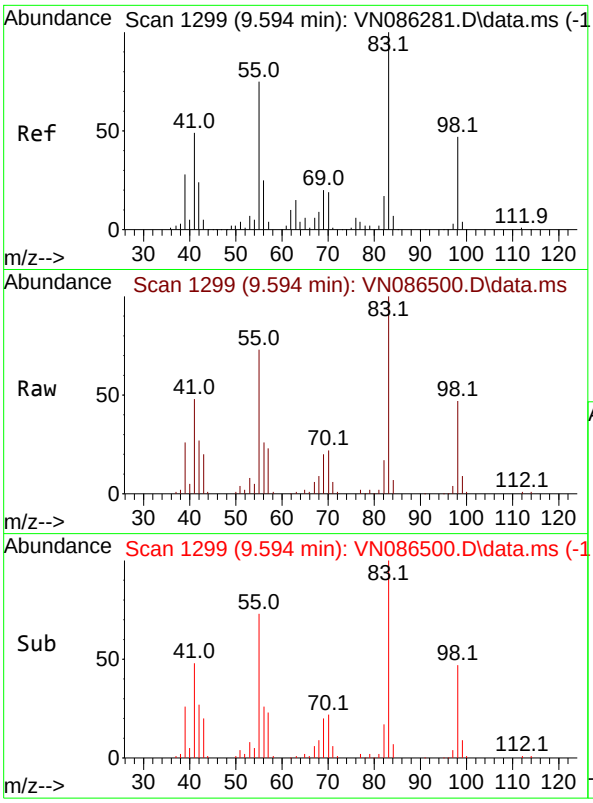


#35
Dibromofluoromethane
Concen: 59.331 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion:113 Resp: 90948

Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.4	125.0
192	17.7	13.7	20.5



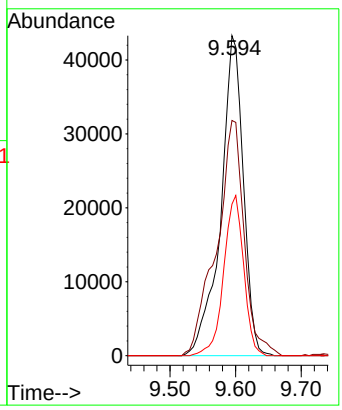


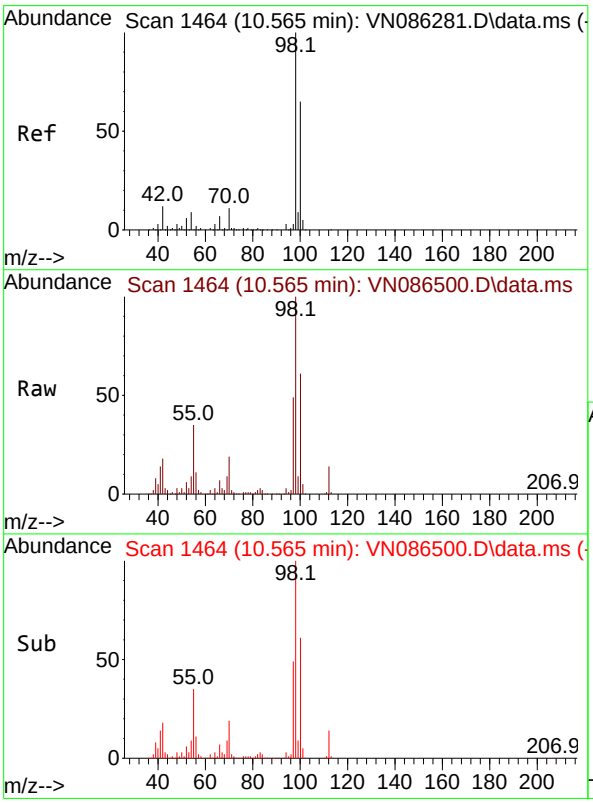
#39
Methylcyclohexane
Concen: 28.431 ug/l
RT: 9.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion: 83 Resp: 103464

Ion	Ratio	Lower	Upper
83	100		
55	73.5	59.8	89.8
98	47.3	37.9	56.9

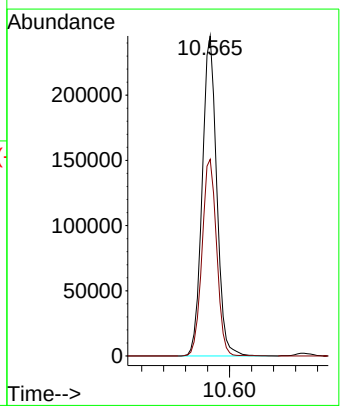


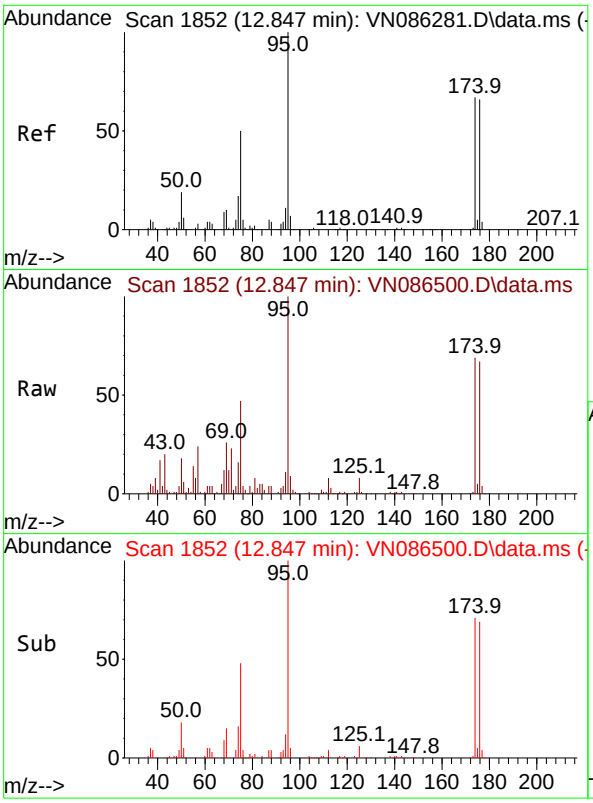


#50
Toluene-d8
Concen: 54.860 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 98 Resp: 449439

Ion	Ratio	Lower	Upper
98	100		
100	61.7	52.5	78.7



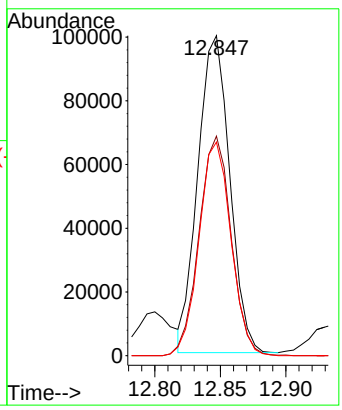


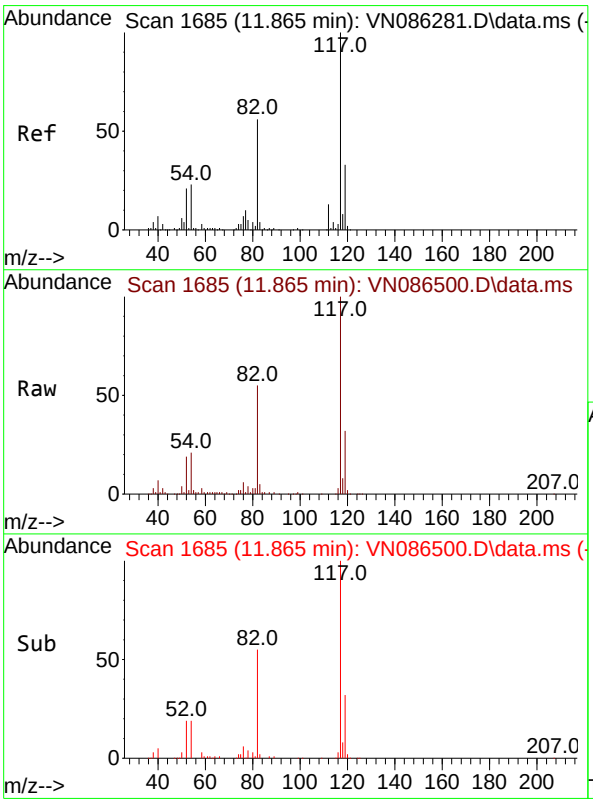
#62
4-Bromofluorobenzene
Concen: 56.315 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion: 95 Resp: 168278

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	133.4
176	67.6	0.0	129.2

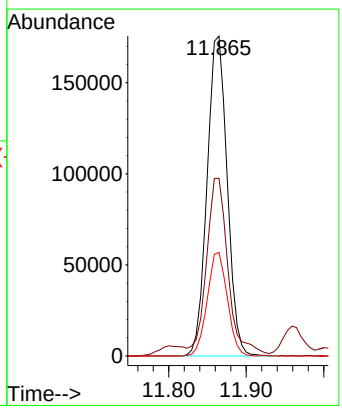


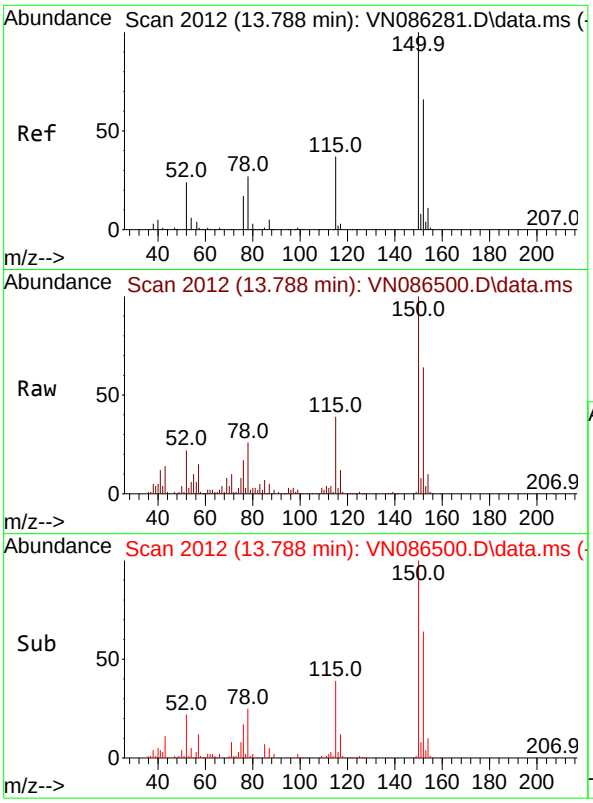


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion:117 Resp: 317139

Ion	Ratio	Lower	Upper
117	100		
82	52.8	44.7	67.1
119	32.4	26.4	39.6



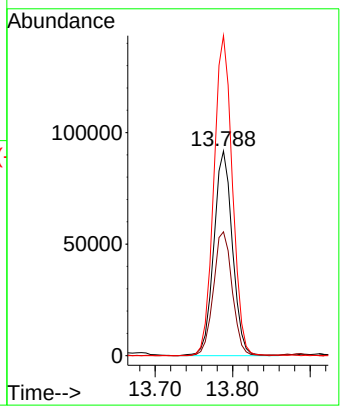


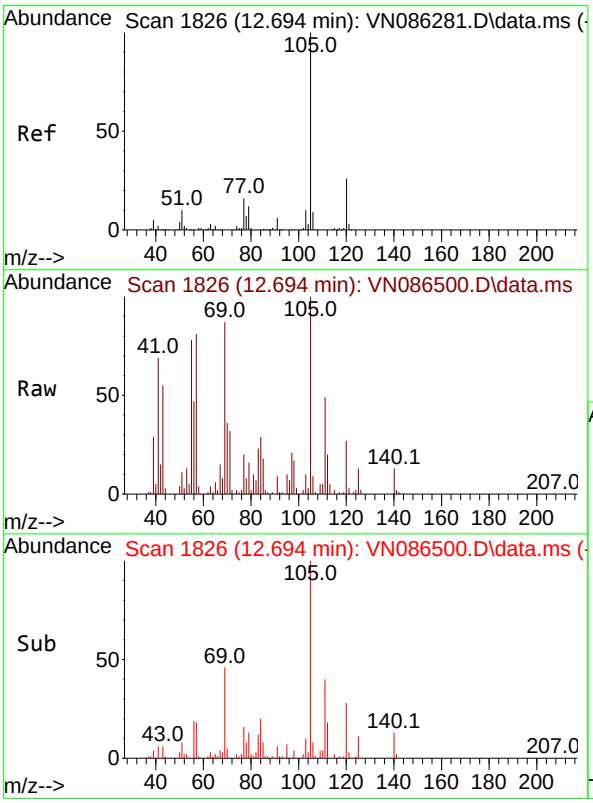
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion:152 Resp: 153312

Ion	Ratio	Lower	Upper
152	100		
115	61.0	31.9	95.9
150	155.4	0.0	352.0

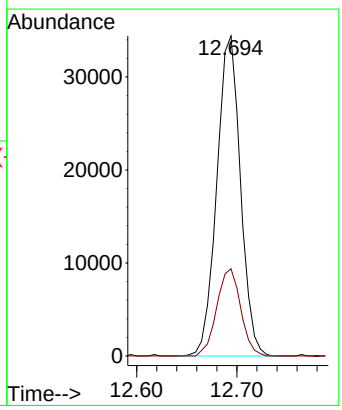


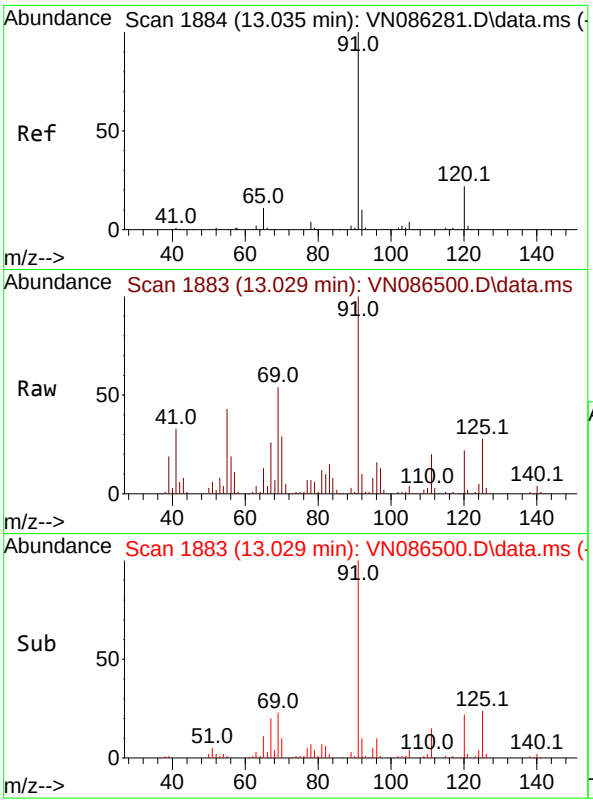


#73
Isopropylbenzene
Concen: 4.494 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion:105 Resp: 56356

Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.1	39.3



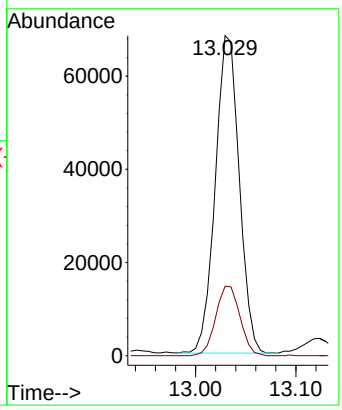


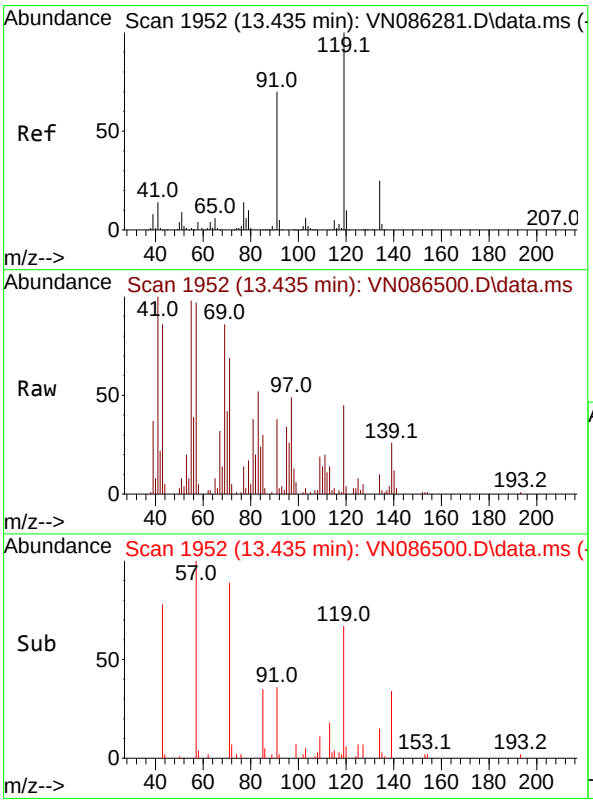
#78
n-propylbenzene
Concen: 7.637 ug/l
RT: 13.029 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion: 91 Resp: 112868

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3

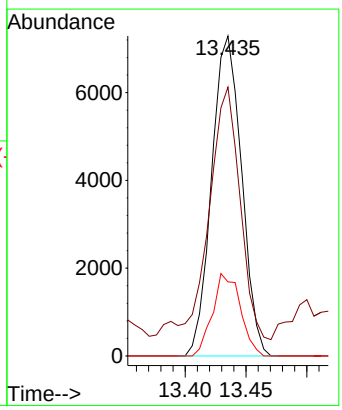




#83
tert-Butylbenzene
Concen: 1.400 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

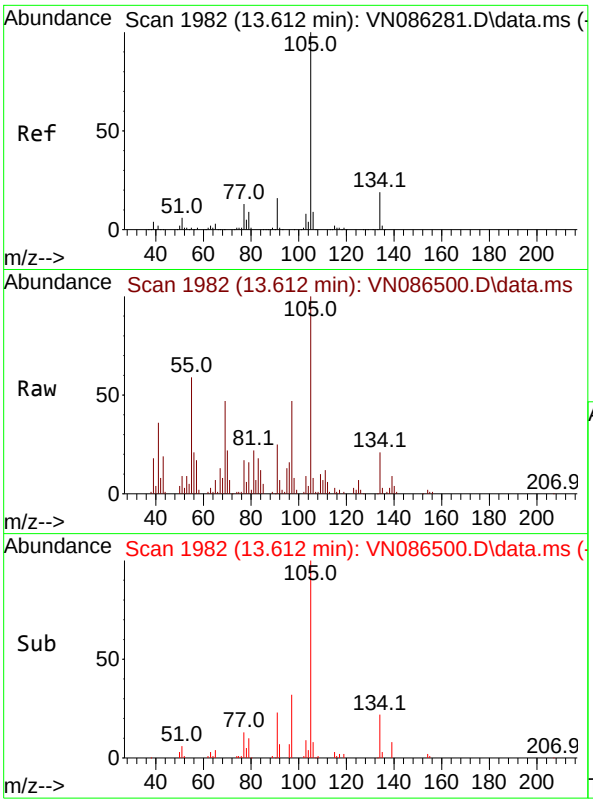
Tgt Ion:119 Resp: 12456

Ion	Ratio	Lower	Upper
119	100		
91	83.1	34.4	103.3
134	24.0	13.0	39.0



5

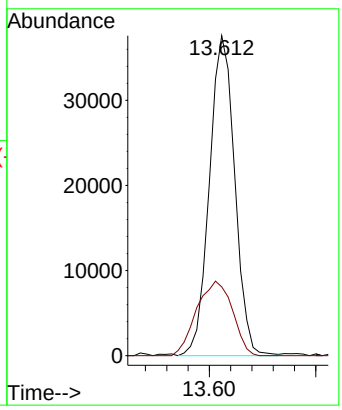
Instrument :
MSVOA_N
ClientSampleId :
GB3B

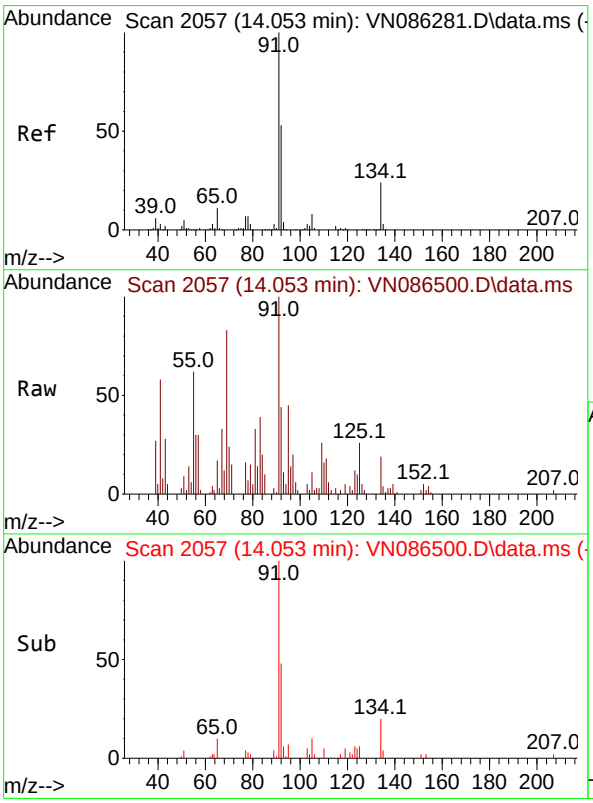


#85
sec-Butylbenzene
Concen: 5.029 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion:105 Resp: 62042

Ion	Ratio	Lower	Upper
105	100		
134	32.9	9.7	29.1#

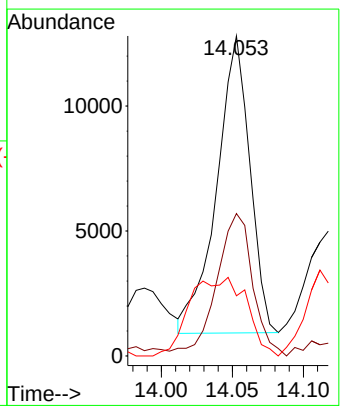




#89
n-Butylbenzene
Concen: 2.141 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 91 Resp: 19294

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.8	80.4
134	45.3	12.2	36.6#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

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\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086500.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	124143	286260	6.67%	0.641%
2	8.224	1060	1066	1076	rVV	232405	545663	12.72%	1.222%
3	8.324	1076	1083	1091	rVB2	19830	48546	1.13%	0.109%
4	8.577	1118	1126	1135	rVB	143777	316640	7.38%	0.709%
5	8.712	1141	1149	1156	rBV4	38394	97050	2.26%	0.217%
6	8.783	1156	1161	1167	rVV2	34345	76199	1.78%	0.171%
7	8.847	1167	1172	1183	rVB3	48924	111407	2.60%	0.249%
8	9.100	1205	1215	1225	rBV	361954	744938	17.36%	1.668%
9	9.594	1286	1299	1305	rBV3	231860	677309	15.79%	1.516%
10	9.865	1334	1345	1356	rVB2	106636	249474	5.81%	0.558%
11	10.000	1360	1368	1381	rBV2	146374	292062	6.81%	0.654%
12	10.147	1386	1393	1397	rBV	65462	127513	2.97%	0.285%
13	10.188	1397	1400	1415	rVB2	37554	69095	1.61%	0.155%
14	10.324	1415	1423	1427	rBV3	77166	161389	3.76%	0.361%
15	10.371	1427	1431	1439	rVB2	68093	126390	2.95%	0.283%
16	10.459	1439	1446	1448	rBV2	34345	62790	1.46%	0.141%
17	10.565	1456	1464	1469	rBV	1065219	2000653	46.63%	4.479%
18	10.688	1479	1485	1488	rBV3	60986	112178	2.61%	0.251%
19	10.741	1488	1494	1503	rVB4	209194	518866	12.09%	1.162%
20	10.859	1503	1514	1517	rBV	107155	217153	5.06%	0.486%
21	10.906	1517	1522	1530	rVB	338623	639105	14.89%	1.431%
22	11.000	1530	1538	1547	rBV3	175412	484107	11.28%	1.084%
23	11.082	1547	1552	1558	rVB	152562	273098	6.36%	0.611%
24	11.171	1558	1567	1573	rBV	441363	798037	18.60%	1.787%
25	11.271	1573	1584	1592	rBV	299862	698649	16.28%	1.564%
26	11.347	1592	1597	1600	rBV2	137567	229181	5.34%	0.513%
27	11.418	1600	1609	1612	rBV	346646	637943	14.87%	1.428%
28	11.471	1612	1618	1623	rVB	717119	1323089	30.84%	2.962%
29	11.524	1623	1627	1630	rBV	70618	91301	2.13%	0.204%
30	11.571	1630	1635	1639	rBV2	451998	735435	17.14%	1.646%
31	11.612	1639	1642	1647	rVB2	186213	290070	6.76%	0.649%
32	11.671	1647	1652	1658	rBV	342009	588335	13.71%	1.317%
33	11.735	1658	1663	1667	rVB	121576	176509	4.11%	0.395%
34	11.794	1667	1673	1677	rBV5	37519	75490	1.76%	0.169%
35	11.865	1678	1685	1697	rBV	502510	974370	22.71%	2.181%
36	11.959	1697	1701	1704	rBV	66365	93534	2.18%	0.209%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

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\82N041525W.M
Title : SW846 8260

37	12.000	1704	1708	1711	rBV	141874	231803	5.40%	0.519%
38	12.041	1711	1715	1721	rVB4	234403	484326	11.29%	1.084%
39	12.106	1721	1726	1730	rBV	522144	941675	21.95%	2.108%
40	12.147	1730	1733	1739	rVB3	362687	619984	14.45%	1.388%
41	12.206	1739	1743	1750	rBV3	116049	278094	6.48%	0.623%
42	12.282	1750	1756	1763	rVB4	241693	487996	11.37%	1.092%
43	12.365	1763	1770	1777	rBV3	655719	1574916	36.70%	3.526%
44	12.476	1783	1789	1794	rVB2	810475	1452954	33.86%	3.253%
45	12.588	1794	1808	1821	rBV4	1054513	4290818	100.00%	9.606%
46	12.694	1821	1826	1828	rVV5	276381	593441	13.83%	1.329%
47	12.729	1829	1832	1840	rVB3	412111	746287	17.39%	1.671%
48	12.794	1840	1843	1846	rVB	48648	59589	1.39%	0.133%
49	12.847	1846	1852	1858	rVB	605250	1004948	23.42%	2.250%
50	12.929	1858	1866	1871	rBV4	211834	495179	11.54%	1.109%
51	13.018	1876	1881	1887	rVB3	515778	1026636	23.93%	2.298%
52	13.088	1887	1893	1898	rBV5	191463	422586	9.85%	0.946%
53	13.171	1898	1907	1912	rBV5	510113	1320881	30.78%	2.957%
54	13.223	1912	1916	1921	rVB2	267890	445724	10.39%	0.998%
55	13.306	1925	1930	1934	rBV3	189649	323475	7.54%	0.724%
56	13.353	1934	1938	1941	rBV2	162315	242296	5.65%	0.542%
57	13.388	1941	1944	1950	rVB	484184	718339	16.74%	1.608%
58	13.518	1959	1966	1971	rBV3	176065	428278	9.98%	0.959%
59	13.570	1971	1975	1979	rVV3	146355	237787	5.54%	0.532%
60	13.612	1979	1982	1986	rVB2	112494	150973	3.52%	0.338%
61	13.676	1986	1993	1997	rBV4	401105	848835	19.78%	1.900%
62	13.747	2002	2005	2007	rVV	150328	218407	5.09%	0.489%
63	13.782	2007	2011	2019	rVV2	639035	1159910	27.03%	2.597%
64	13.853	2019	2023	2030	rVB2	148112	248351	5.79%	0.556%
65	13.941	2031	2038	2042	rBV5	130450	267975	6.25%	0.600%
66	14.112	2061	2067	2072	rBV2	379378	768187	17.90%	1.720%
67	14.212	2080	2084	2087	rBV3	100643	155018	3.61%	0.347%
68	14.253	2087	2091	2095	rVV4	93465	155529	3.62%	0.348%
69	14.323	2099	2103	2108	rVB	210935	323424	7.54%	0.724%
70	14.435	2117	2122	2128	rVB3	143707	276974	6.46%	0.620%
71	14.500	2129	2133	2139	rVV6	102005	181797	4.24%	0.407%
72	14.576	2142	2146	2149	rVV4	120620	233723	5.45%	0.523%
73	14.623	2149	2154	2157	rVV2	396819	714115	16.64%	1.599%
74	14.653	2157	2159	2167	rVB2	280627	422771	9.85%	0.946%
75	14.729	2167	2172	2176	rBV3	165116	257871	6.01%	0.577%
76	14.788	2178	2182	2187	rVV3	143783	255033	5.94%	0.571%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

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\82N041525W.M
Title : SW846 8260

77	14.835	2187	2190	2197	rVB6	62456	111416	2.60%	0.249%
78	14.929	2201	2206	2210	rBV3	75054	149366	3.48%	0.334%
79	15.029	2218	2223	2229	rBV3	323061	820126	19.11%	1.836%
80	15.265	2259	2263	2266	rBV5	71191	124596	2.90%	0.279%
81	15.312	2266	2271	2276	rVB3	152169	287936	6.71%	0.645%
82	15.429	2286	2291	2298	rVB4	156890	381348	8.89%	0.854%
83	15.588	2313	2318	2327	rVB3	205289	400084	9.32%	0.896%
84	15.941	2370	2378	2385	rBV4	149459	426554	9.94%	0.955%
85	16.017	2387	2391	2397	rVB4	58069	122017	2.84%	0.273%
86	16.247	2428	2430	2436	rVB3	64303	95537	2.23%	0.214%
87	16.329	2437	2444	2450	rVB5	79358	237565	5.54%	0.532%
88	16.488	2464	2471	2476	rBV6	85022	224237	5.23%	0.502%
89	16.776	2512	2520	2522	rBV	667258	1271279	29.63%	2.846%

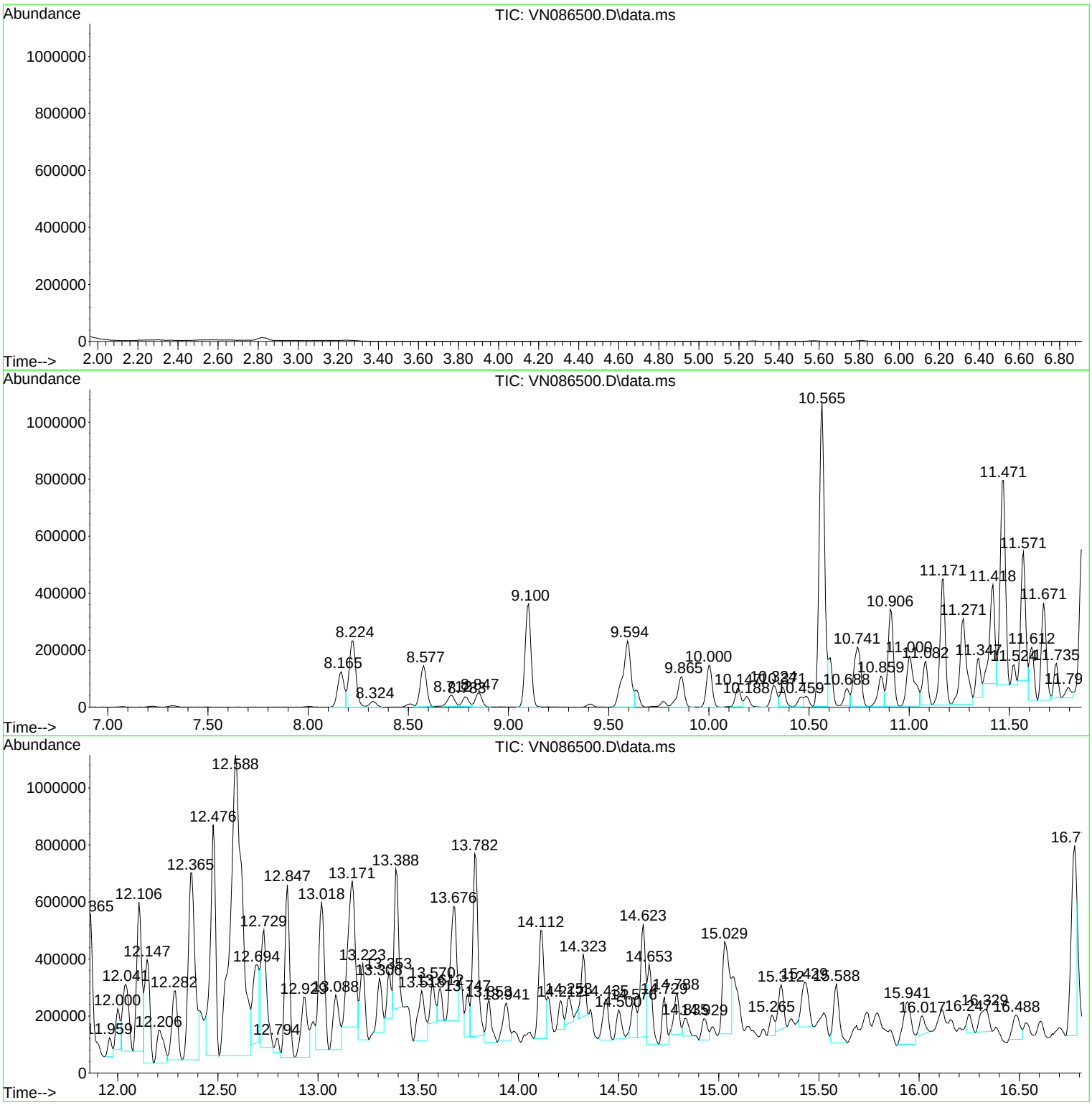
Sum of corrected areas: 44668794

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

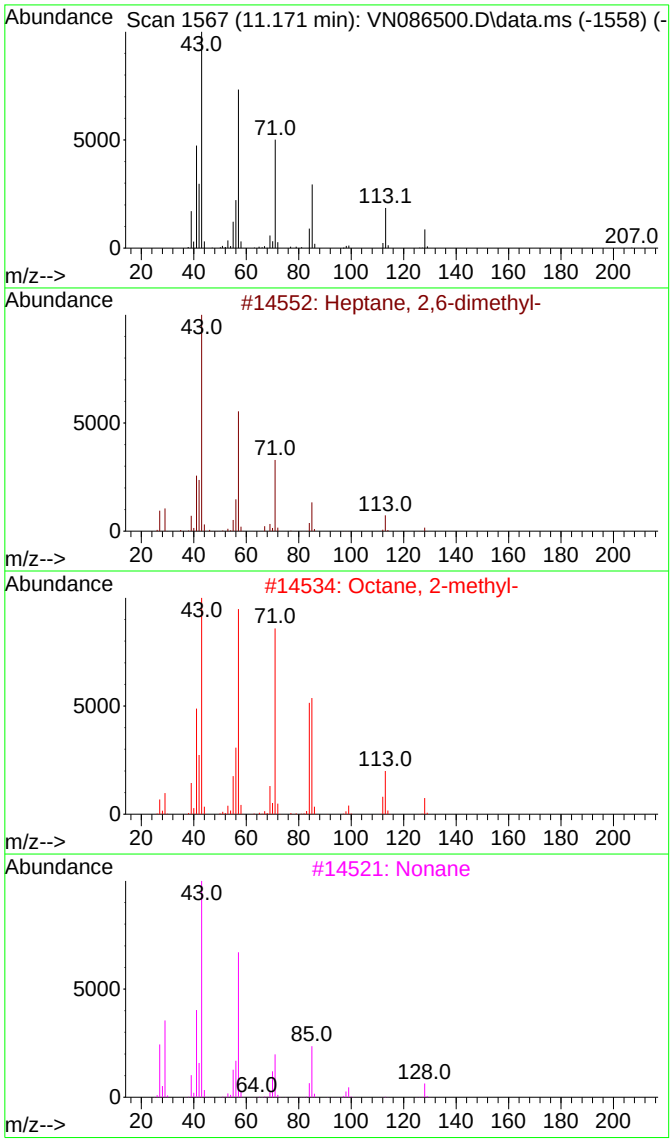
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

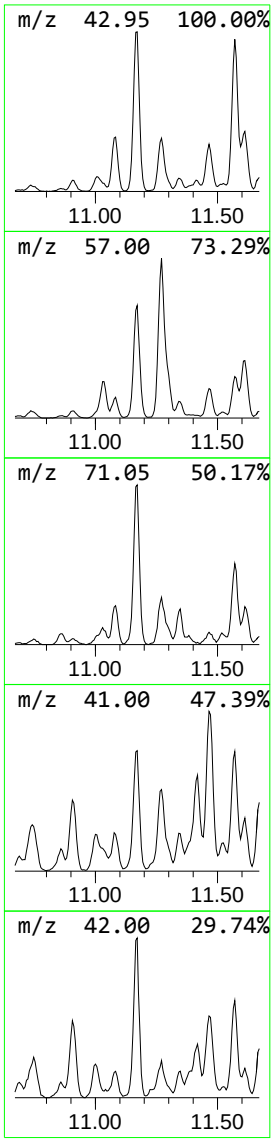
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Heptane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.171	40.95 ug/l	798037	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	91
2	Octane, 2-methyl-	128	C9H20	003221-61-2	91
3	Nonane	128	C9H20	000111-84-2	64
4	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	59
5	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

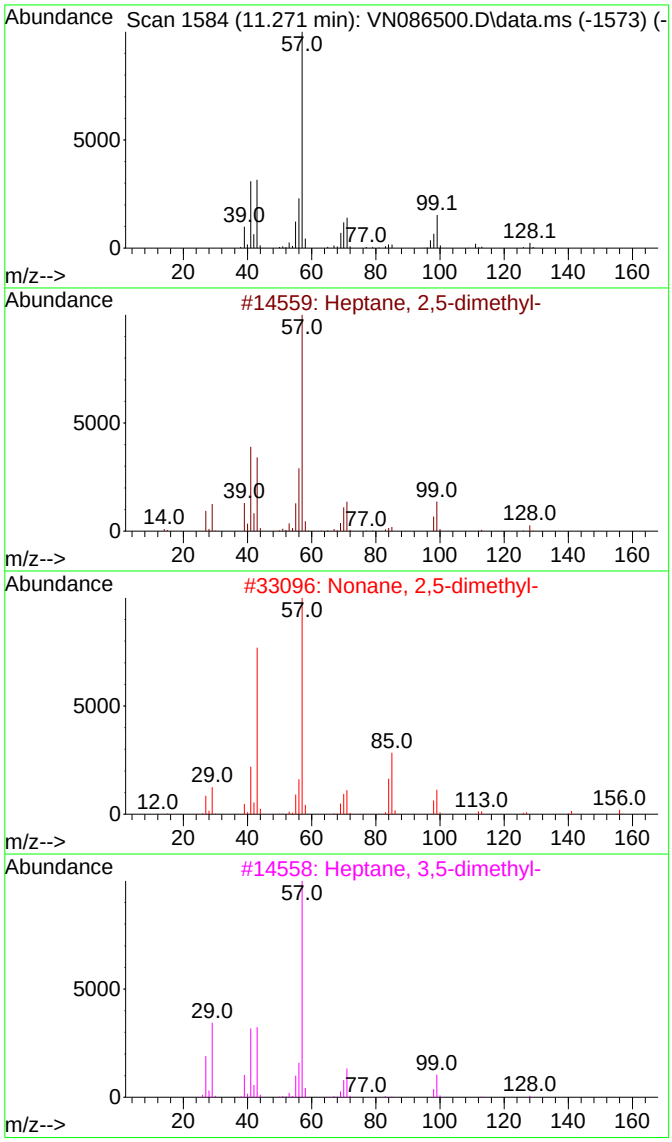
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

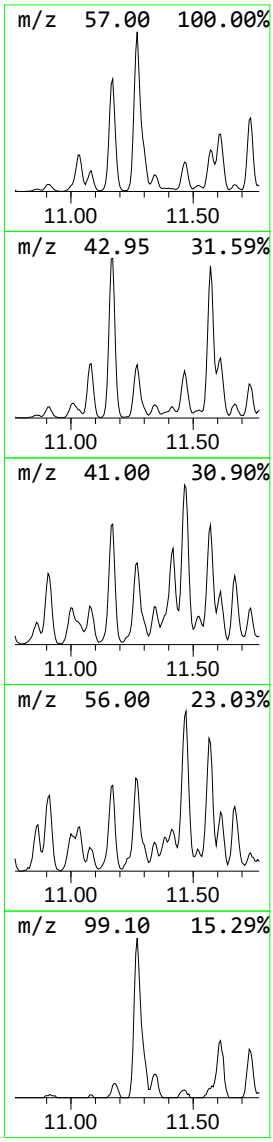
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptane, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.271	35.85 ug/l	698649	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	72
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	72
4	Octane, 3-methyl-	128	C9H20	002216-33-3	64
5	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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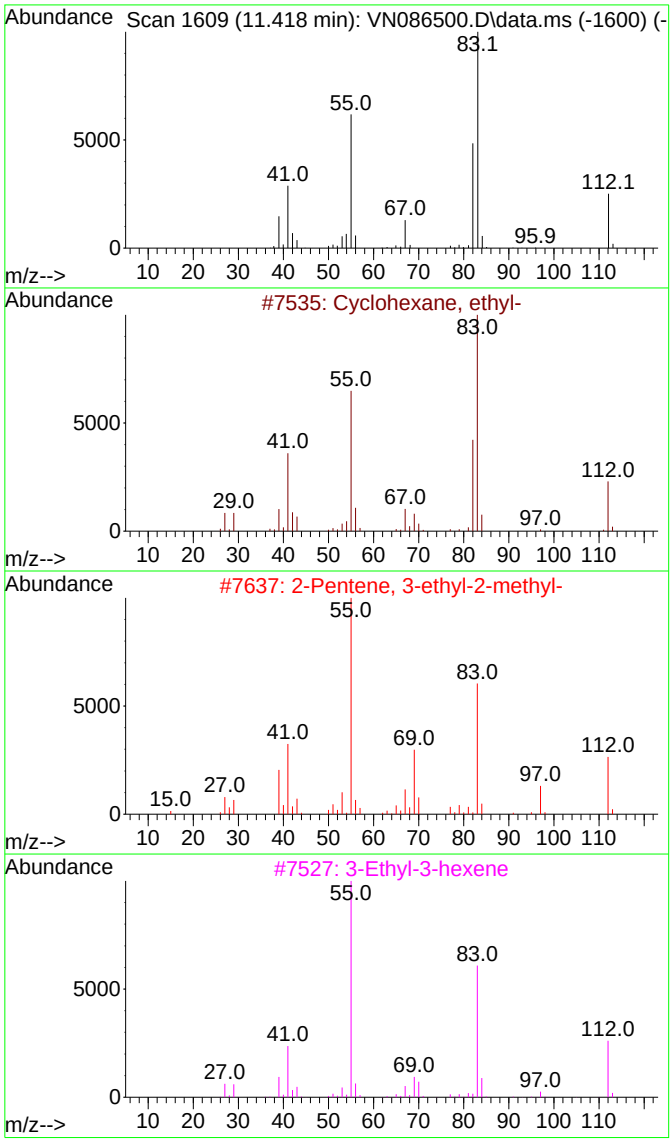
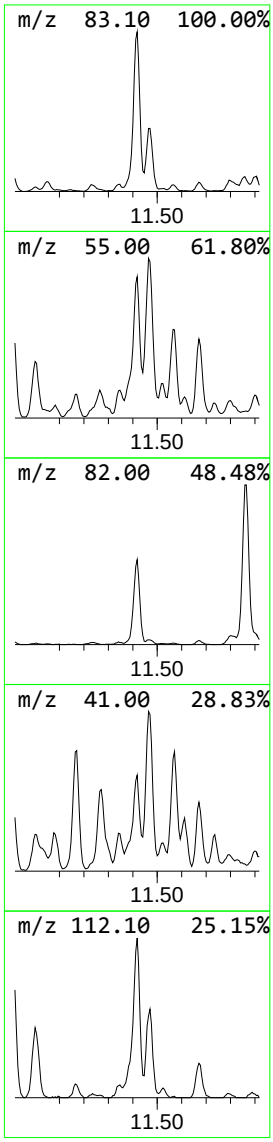
Peak Number 3 Cyclohexane, ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.418	32.74 ug/l	637943	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	59
3	3-Ethyl-3-hexene	112	C8H16	016789-51-8	58
4	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	53
5	3-Hexene, 2,2-dimethyl-, (Z)-	112	C8H16	000690-92-6	53





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Sample : Q1939-06 20X
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ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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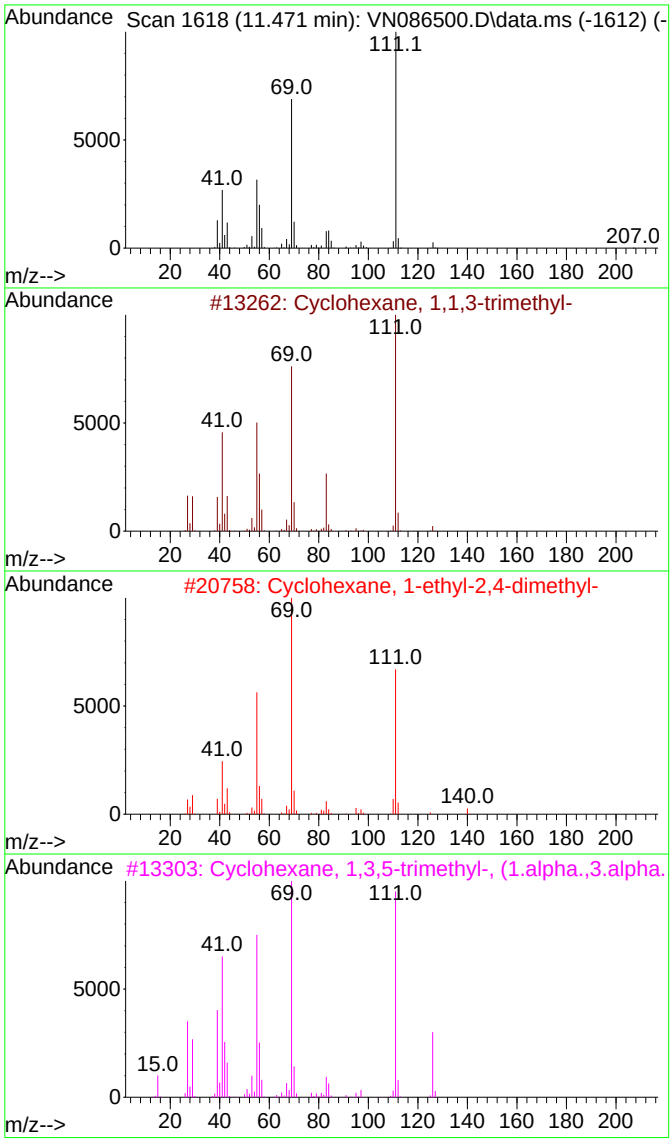
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

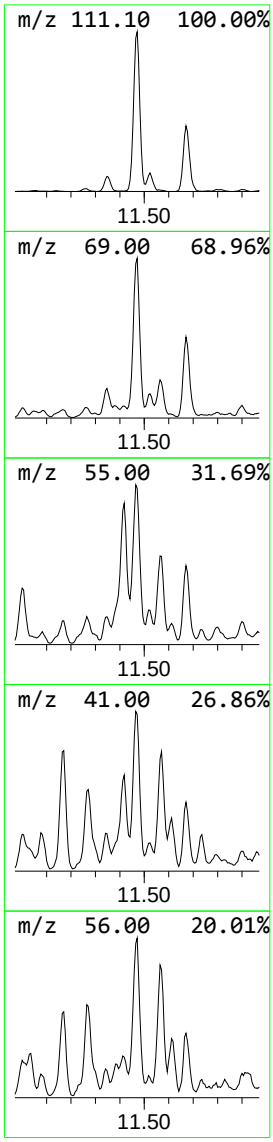
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.471	67.89 ug/l	1323090	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	86
2	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	50
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	45
4	Cyclooctane, butyl-	168	C12H24	016538-93-5	38
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	37





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ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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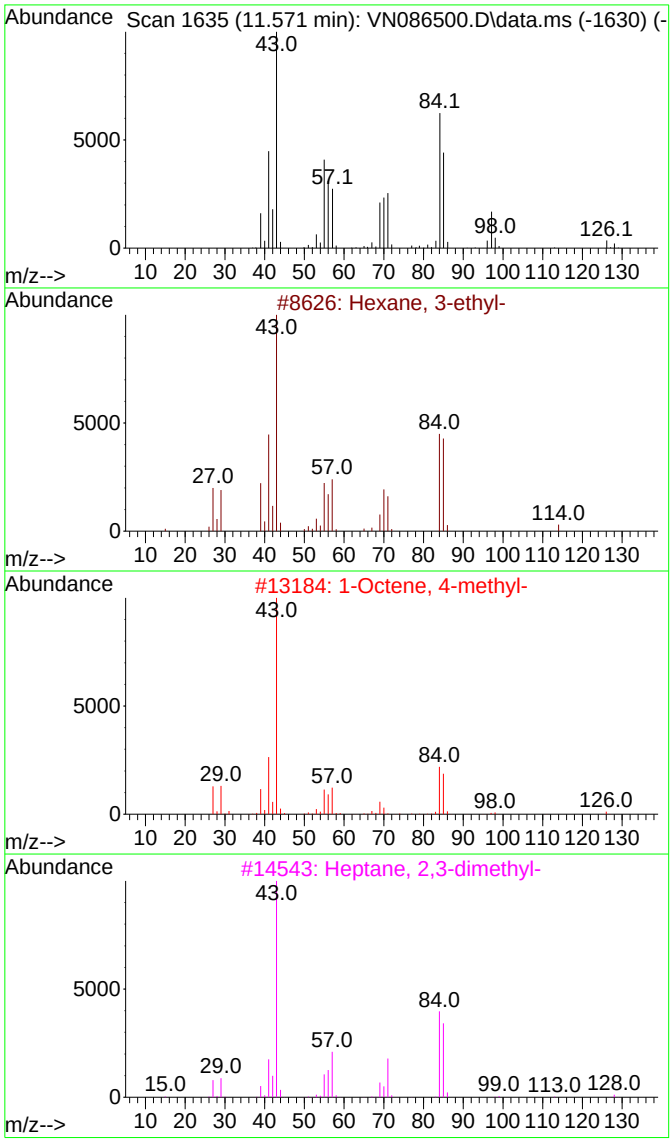
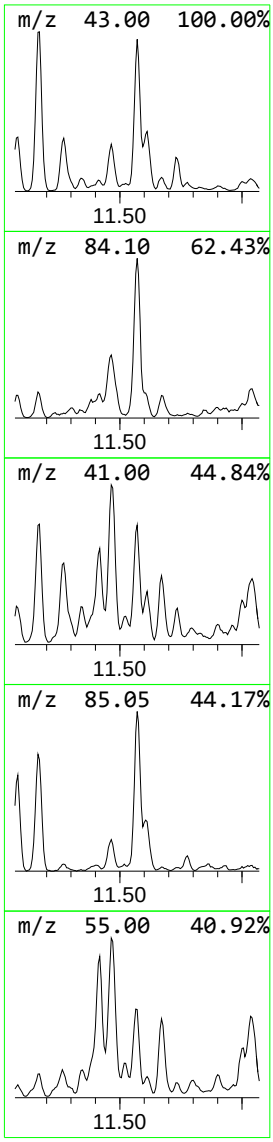
Peak Number 5 Hexane, 3-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.571	37.74 ug/l	735435	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
2	1-Octene, 4-methyl-	126	C9H18	013151-12-7	52
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50
5	Formic acid, 2-ethylbutyl ester	130	C7H14O2	1000367-92-2	43





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Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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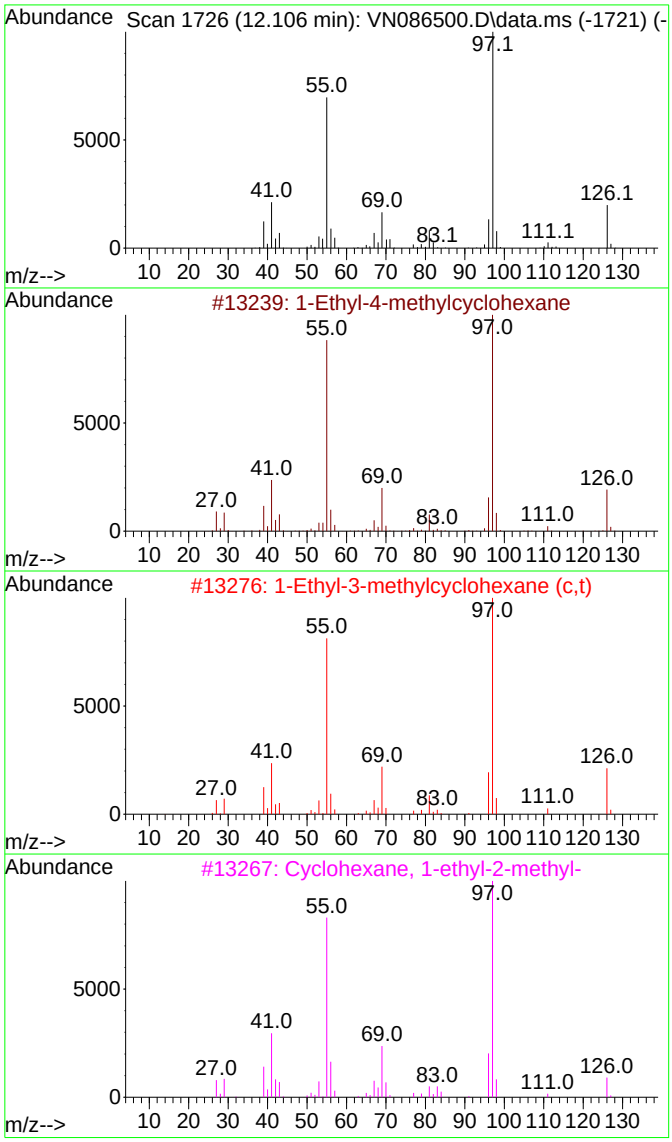
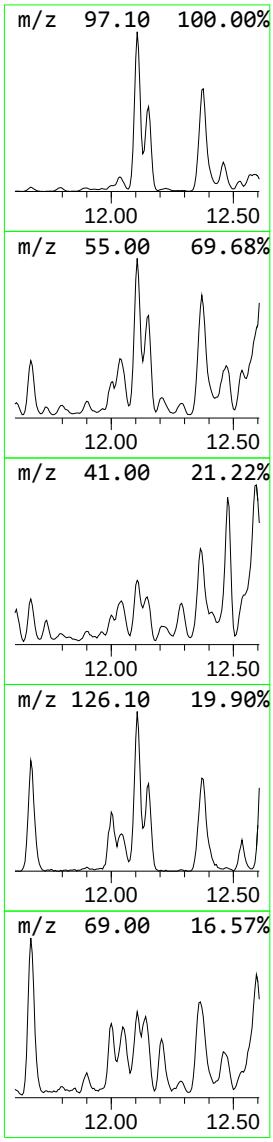
Peak Number 6 1-Ethyl-4-methylcyclohexane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.106	48.32 ug/l	941675	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	91
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90





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Misc      : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial  : 24   Sample Multiplier: 1

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Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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Instrument :
MSVOA_N
ClientSampleId :
GB3B

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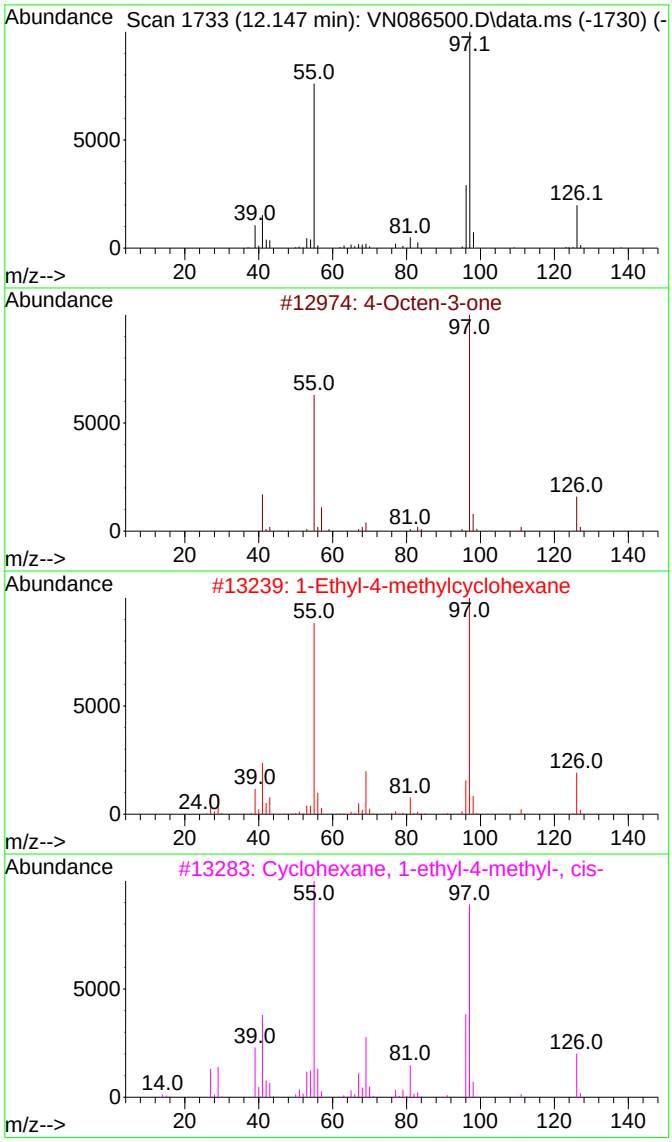
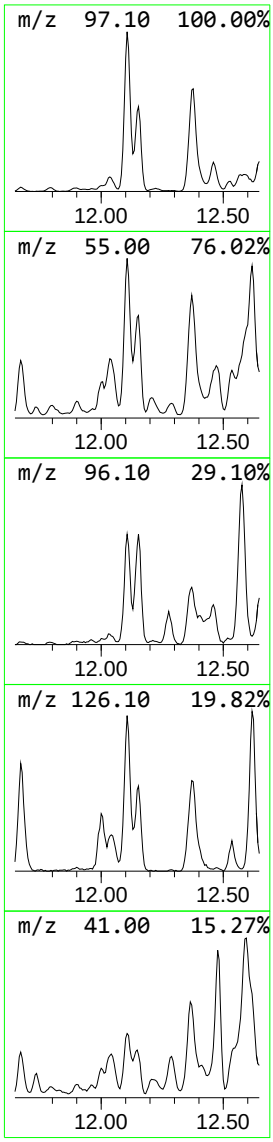
Peak Number 7 4-Octen-3-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.147	31.81 ug/l	619984	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octen-3-one	126	C8H14O	014129-48-7	64
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	56
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	56
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	50
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	50





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Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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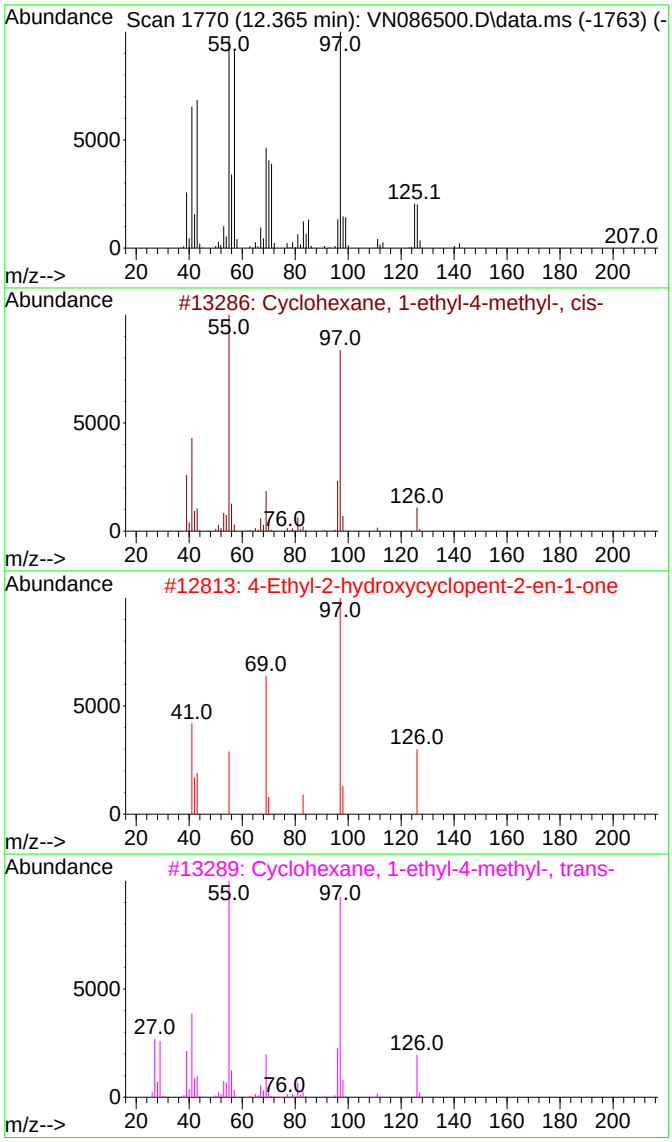
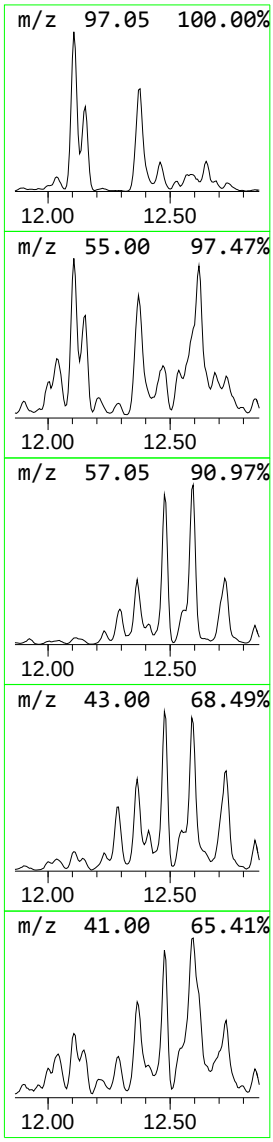
Peak Number 8 unknown12.365 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.365	80.82 ug/l	1574920	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	41
2	4-Ethyl-2-hydroxycyclopent-2-en-...	126	C7H10O2	028017-62-1	38
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	38
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	38
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	38





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Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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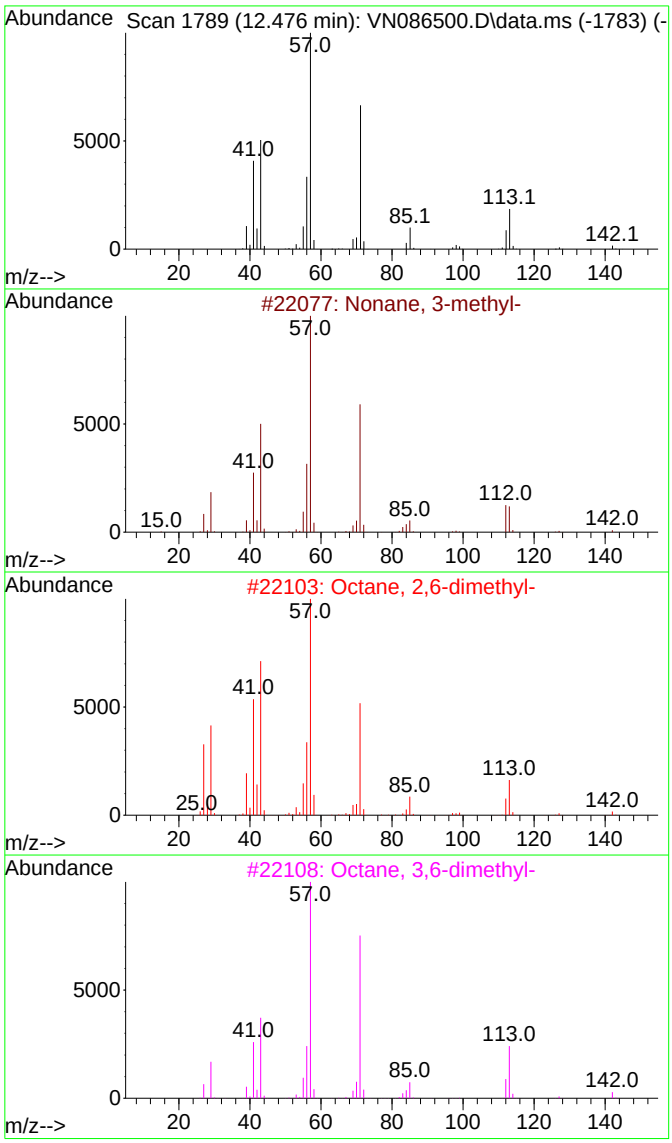
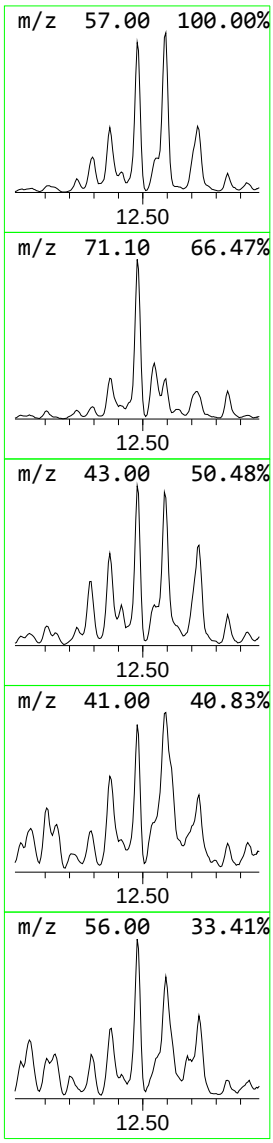
Peak Number 9 Nonane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.477	74.56 ug/l	1452950	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
5	Sulfurous acid, 2-ethylhexyl iso...	250	C12H26O3S	1000309-18-7	43





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Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

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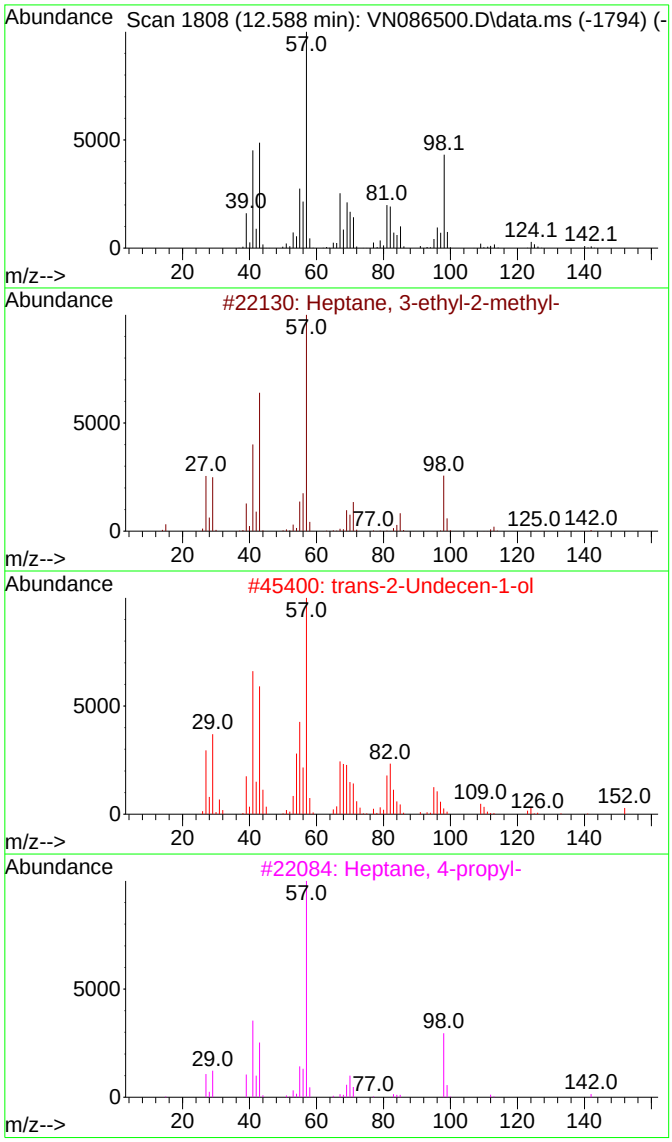
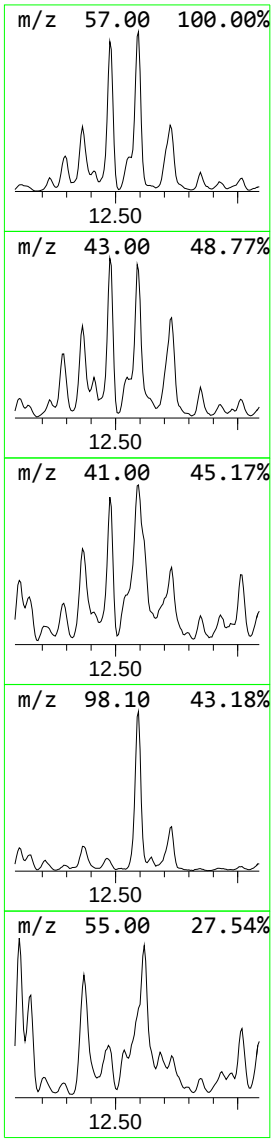
Peak Number 10 unknown12.588 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.588	220.18 ug/l	4290820	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	49
2	trans-2-Undecen-1-ol	170	C11H22O	075039-84-8	38
3	Heptane, 4-propyl-	142	C10H22	003178-29-8	38
4	2-Hexen-1-ol, (E)-	100	C6H12O	000928-95-0	38
5	2-Nonen-1-ol	142	C9H18O	022104-79-6	38





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Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

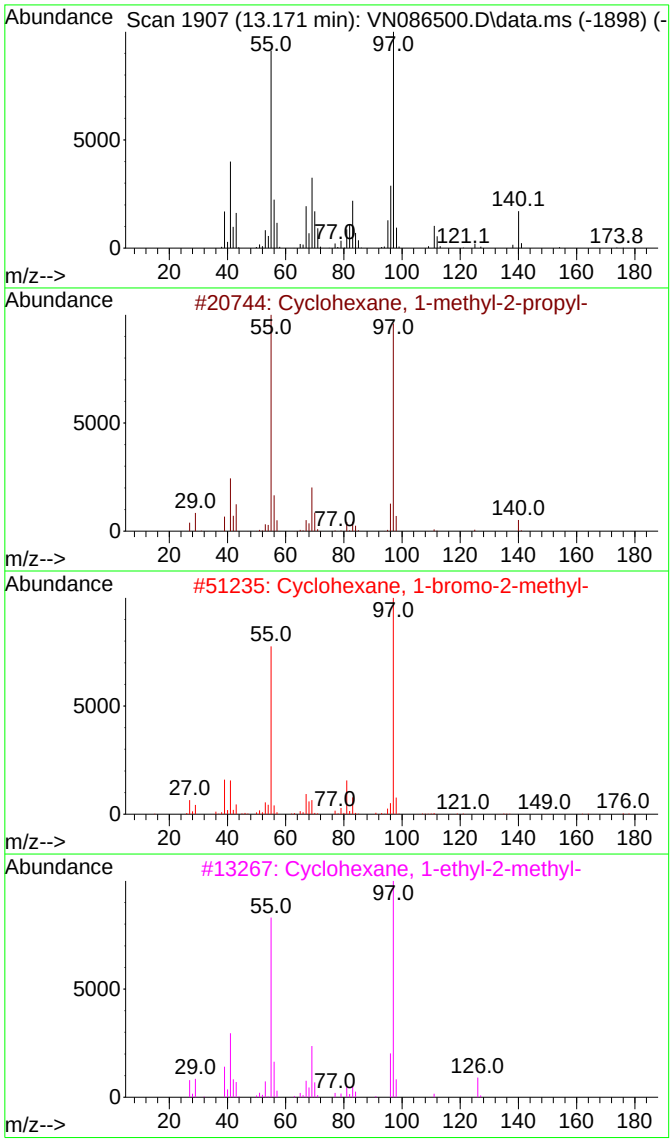
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

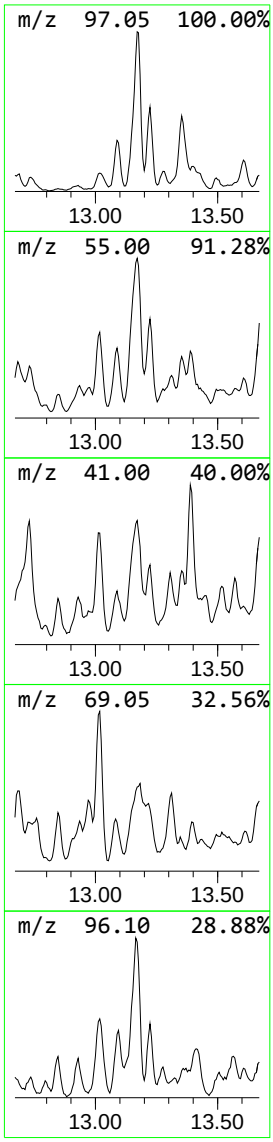
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclohexane, 1-methyl-2-pro... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.171	56.94 ug/l	1320880	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	53
2	Cyclohexane, 1-bromo-2-methyl-	176	C7H13Br	006294-39-9	53
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	50
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49





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Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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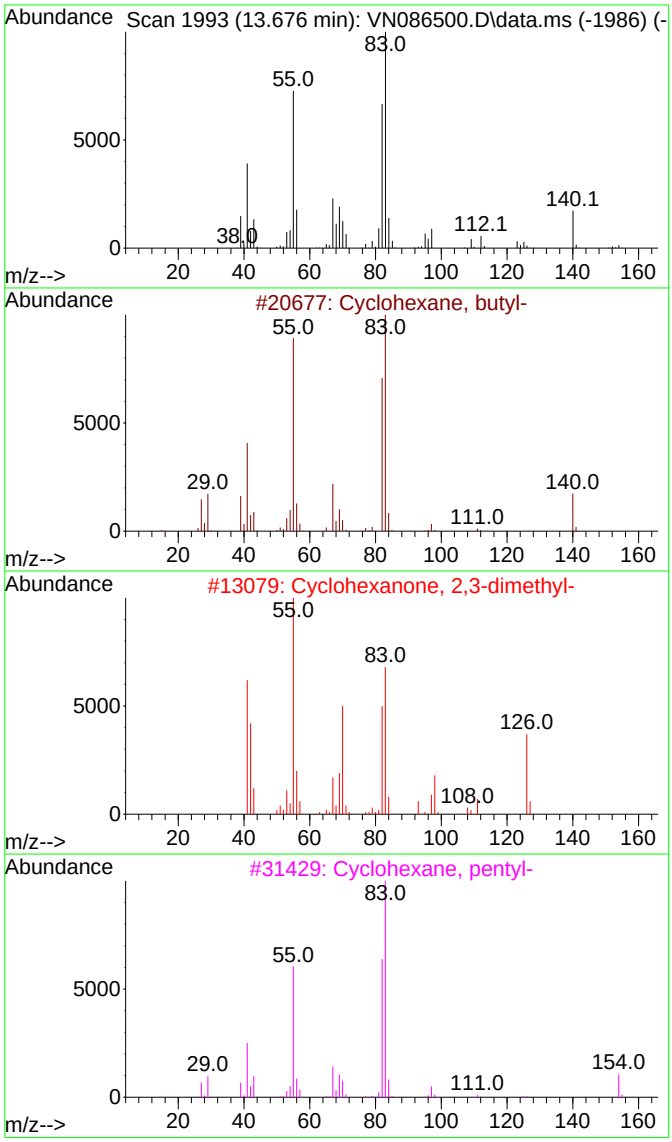
Quant Title : SW846 8260

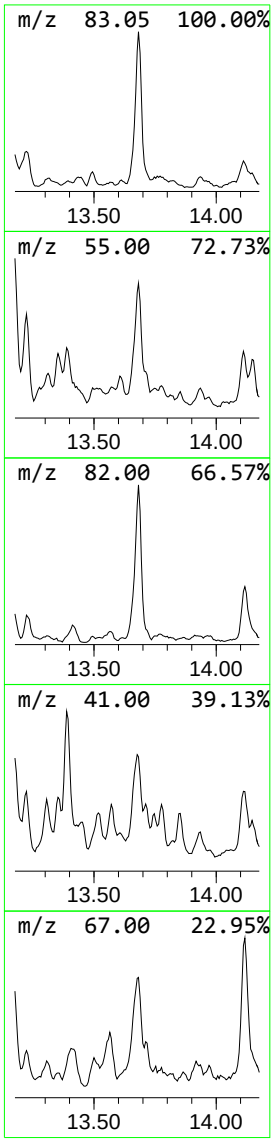
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclohexane, butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	36.59 ug/l	848835	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
2	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	74
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	74
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72





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Acq On : 05 May 2025 20:50
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Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

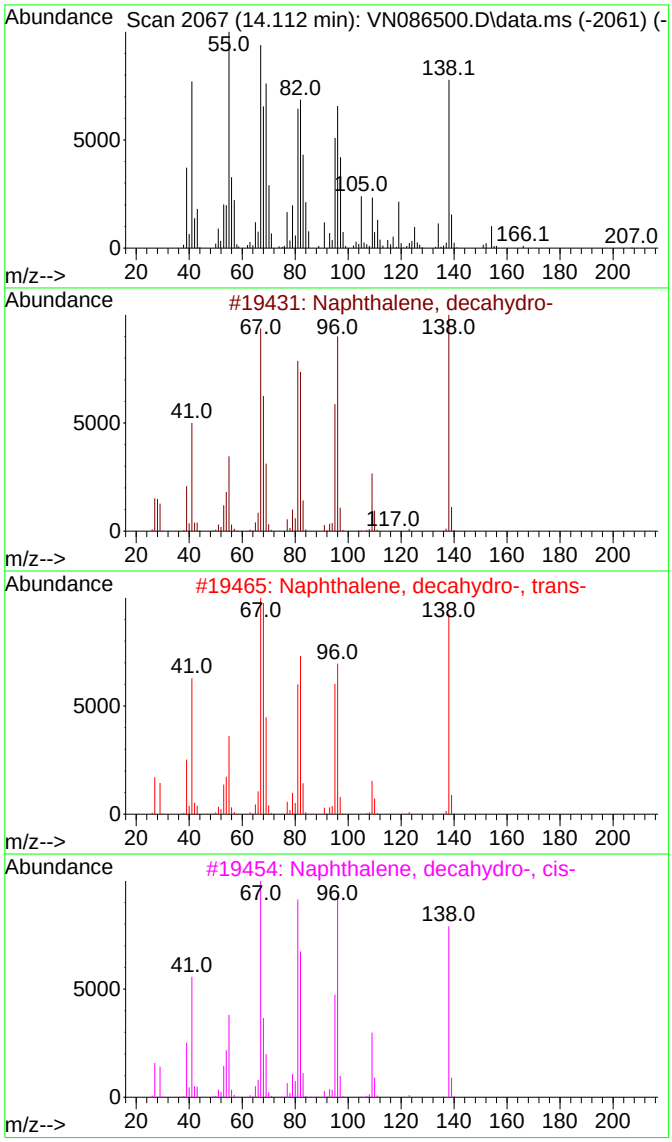
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

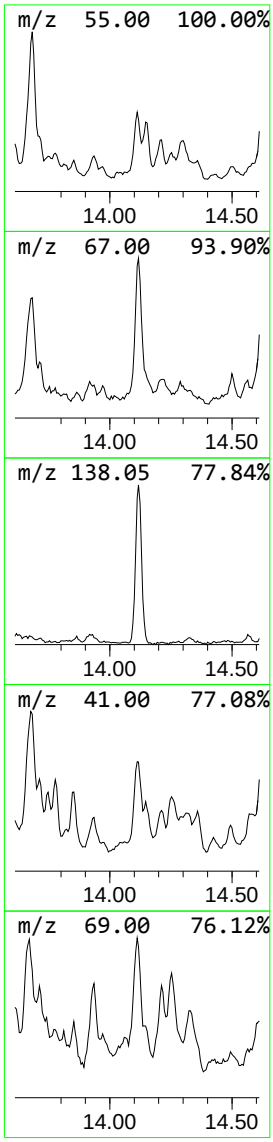
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, decahydro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.112	33.11 ug/l	768187	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	95
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	87
4	Spiro[4.5]decane	138	C10H18	000176-63-6	87
5	(Z)-Dec-4-enyl isobutyl carbonate	256	C15H28O3	1000372-79-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

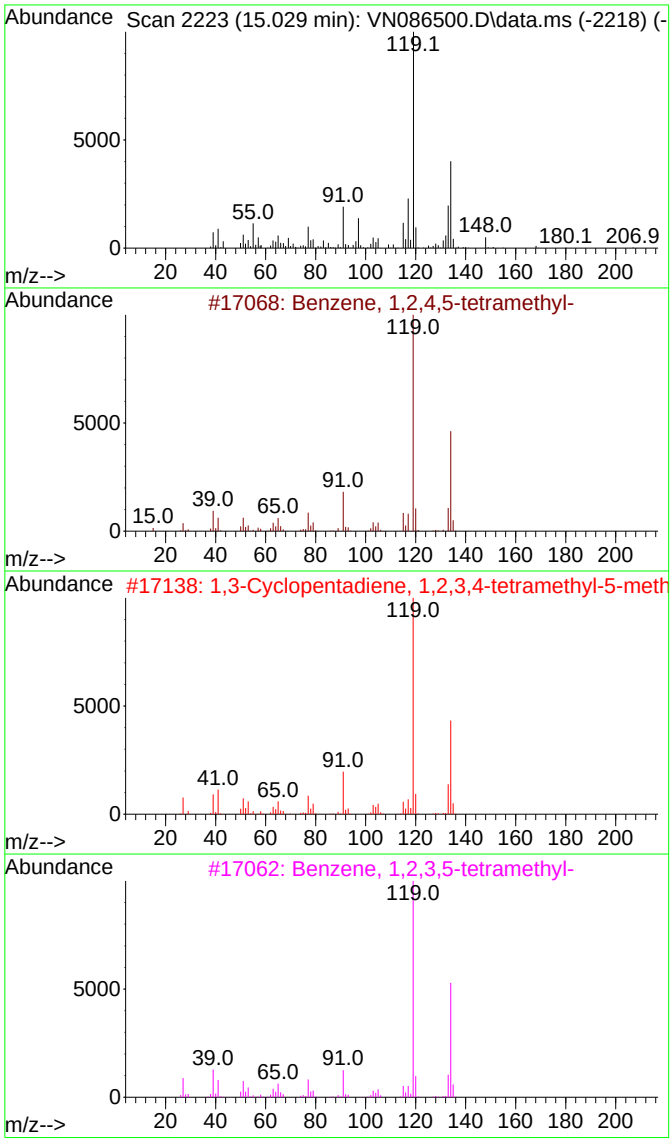
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

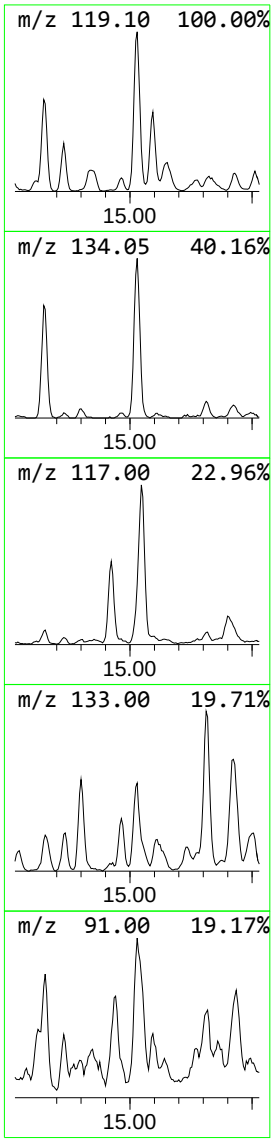
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.029	35.35 ug/l	820126	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	76
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
4	o-Cymene	134	C10H14	000527-84-4	70
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

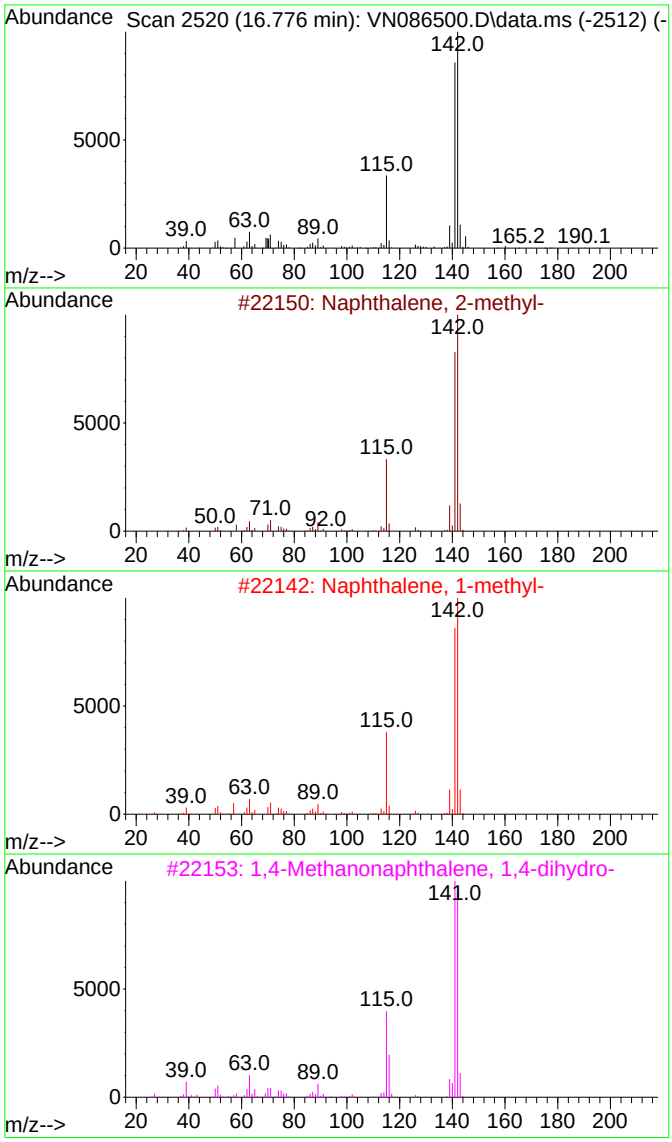
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

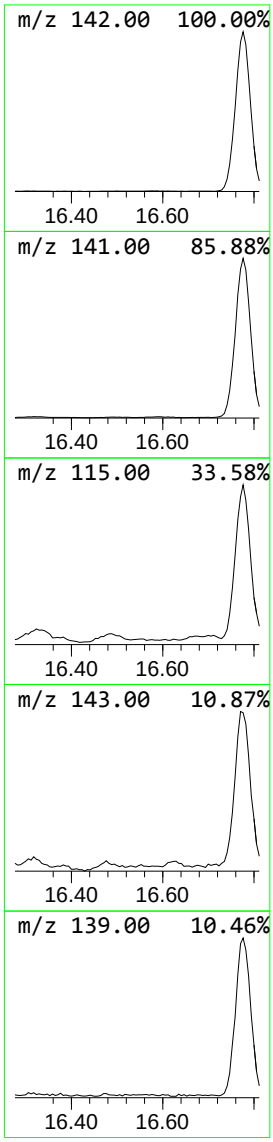
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1,4-Methanonaphthalene, 1,4... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.776	54.80 ug/l	1271280	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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
Heptane, 2,6-di...	11.171	41.0	ug/l	798037	3	11.865	974370	50.0
Heptane, 2,5-di...	11.271	35.9	ug/l	698649	3	11.865	974370	50.0
Cyclohexane, et...	11.418	32.7	ug/l	637943	3	11.865	974370	50.0
Cyclohexane, 1,...	11.471	67.9	ug/l	1323090	3	11.865	974370	50.0
Hexane, 3-ethyl-	11.571	37.7	ug/l	735435	3	11.865	974370	50.0
1-Ethyl-4-methy...	12.106	48.3	ug/l	941675	3	11.865	974370	50.0
4-Octen-3-one	12.147	31.8	ug/l	619984	3	11.865	974370	50.0
unknown12.365	12.365	80.8	ug/l	1574920	3	11.865	974370	50.0
Nonane, 3-methyl-	12.477	74.6	ug/l	1452950	3	11.865	974370	50.0
unknown12.588	12.588	220.2	ug/l	4290820	3	11.865	974370	50.0
Cyclohexane, 1-...	13.171	56.9	ug/l	1320880	4	13.788	1159910	50.0
Cyclohexane, bu...	13.676	36.6	ug/l	848835	4	13.788	1159910	50.0
Naphthalene, de...	14.112	33.1	ug/l	768187	4	13.788	1159910	50.0
Benzene, 1,2,4,...	15.029	35.4	ug/l	820126	4	13.788	1159910	50.0
1,4-Methanonaph...	16.776	54.8	ug/l	1271280	4	13.788	1159910	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Quant Time: May 06 01:43:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	156968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110140	48.388	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.780%			
35) Dibromofluoromethane	8.165	113	83915	60.507	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 121.020%			
50) Toluene-d8	10.565	98	378837	51.111	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.220%			
62) 4-Bromofluorobenzene	12.847	95	131288	48.562	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.120%			

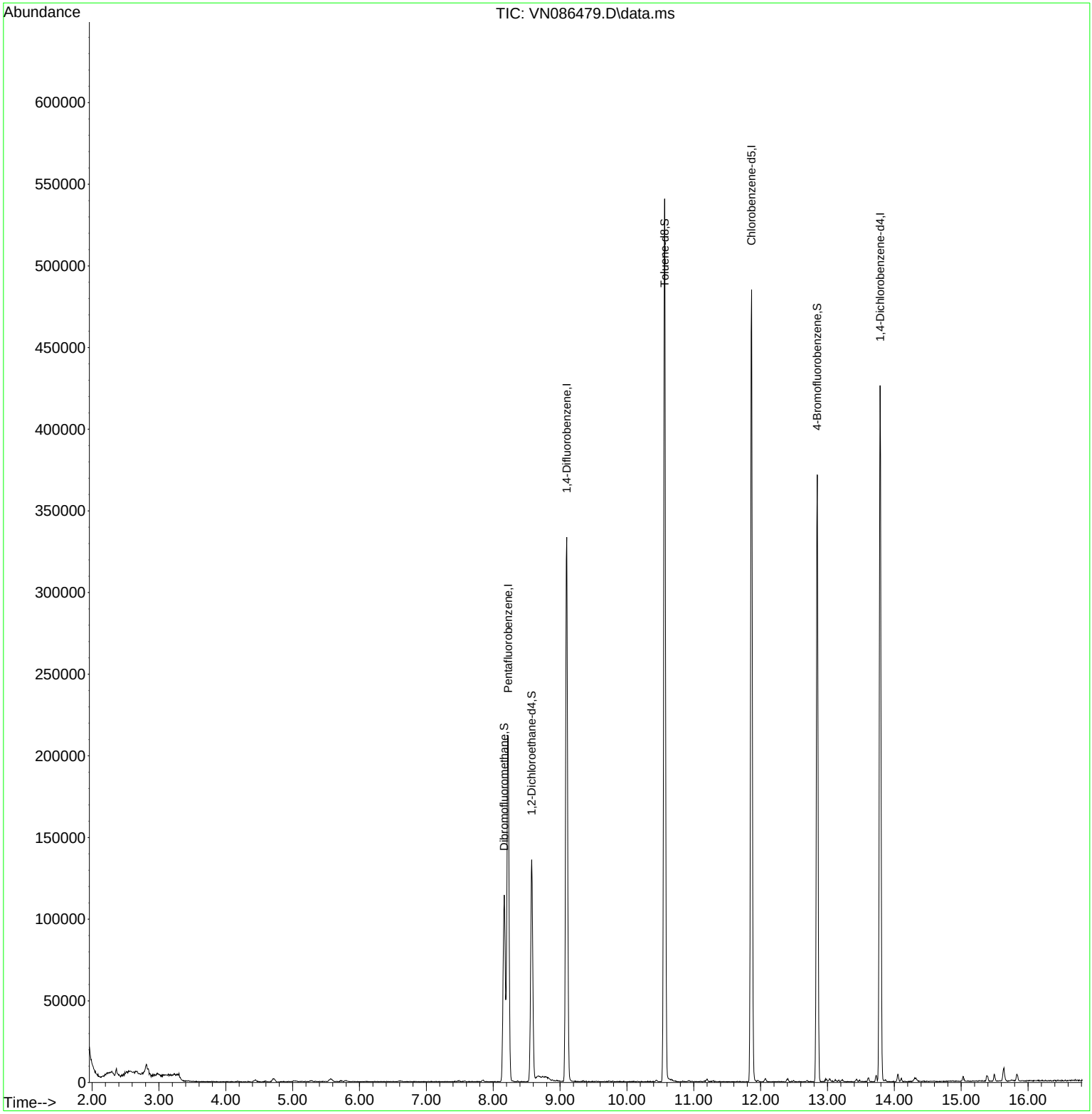
Target Compounds Qvalue

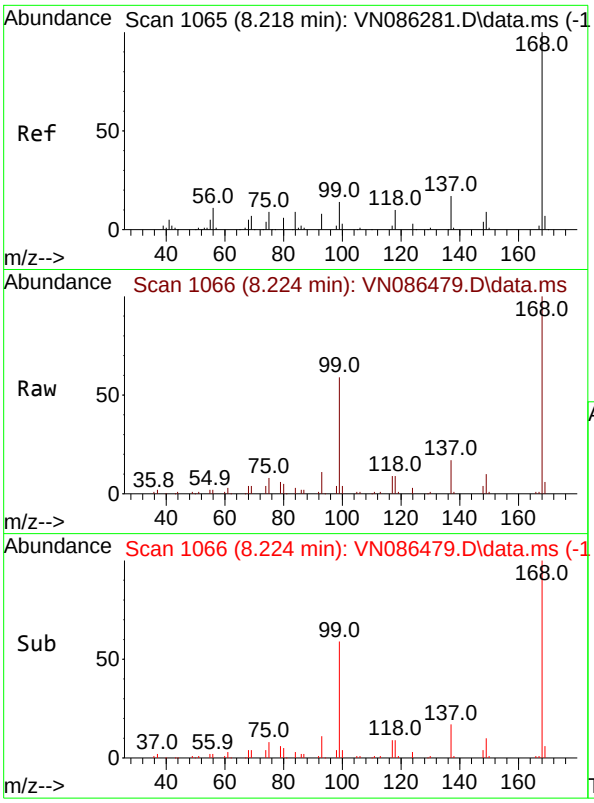
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Quant Time: May 06 01:43:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



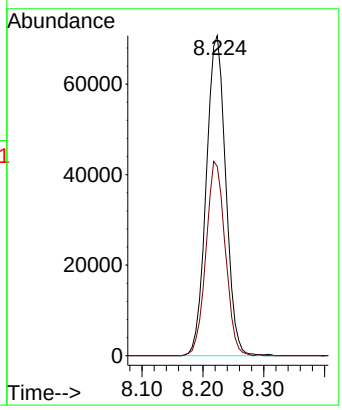


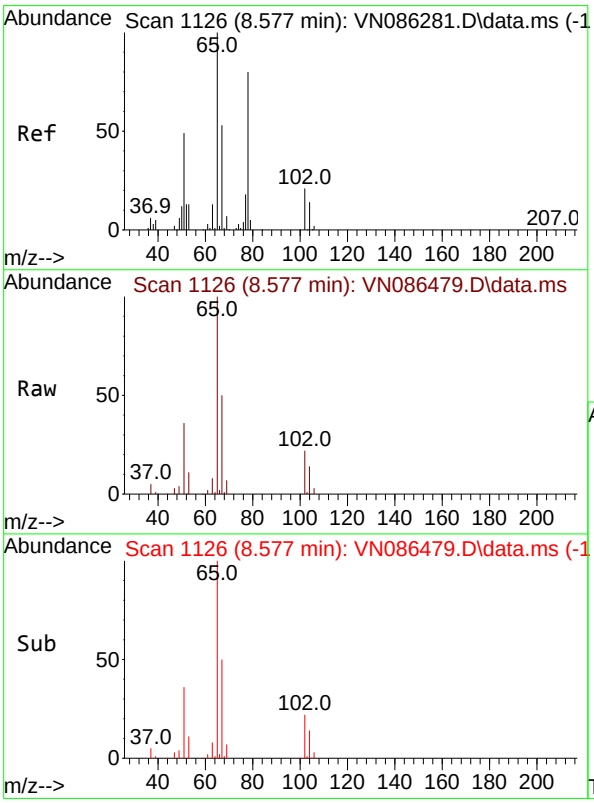
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Tgt Ion:168 Resp: 156968

Ion	Ratio	Lower	Upper
168	100		
99	59.2	52.5	78.7

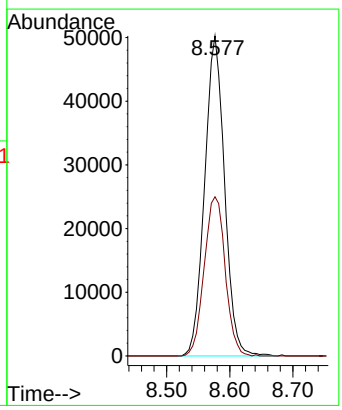


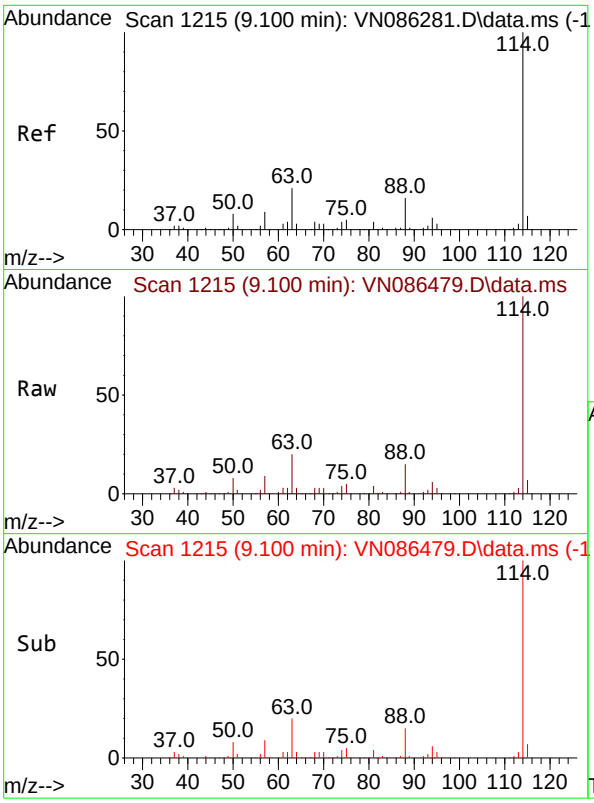


#33
1,2-Dichloroethane-d4
Concen: 48.388 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Tgt Ion: 65 Resp: 110140

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.0



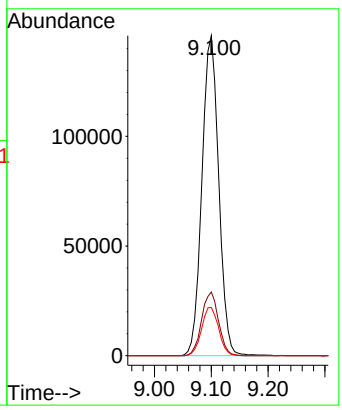


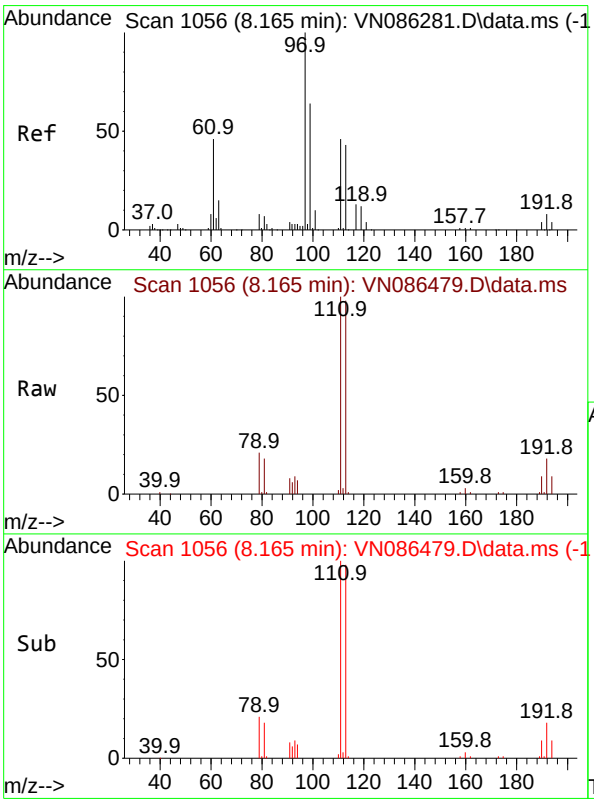
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Tgt Ion:114 Resp: 298822

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.6
88	15.1	0.0	31.8

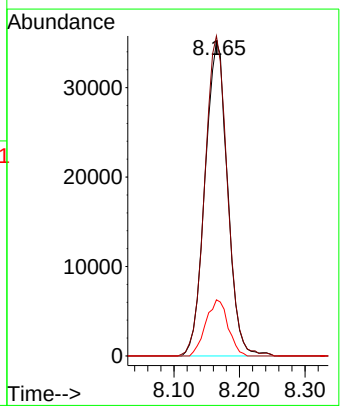


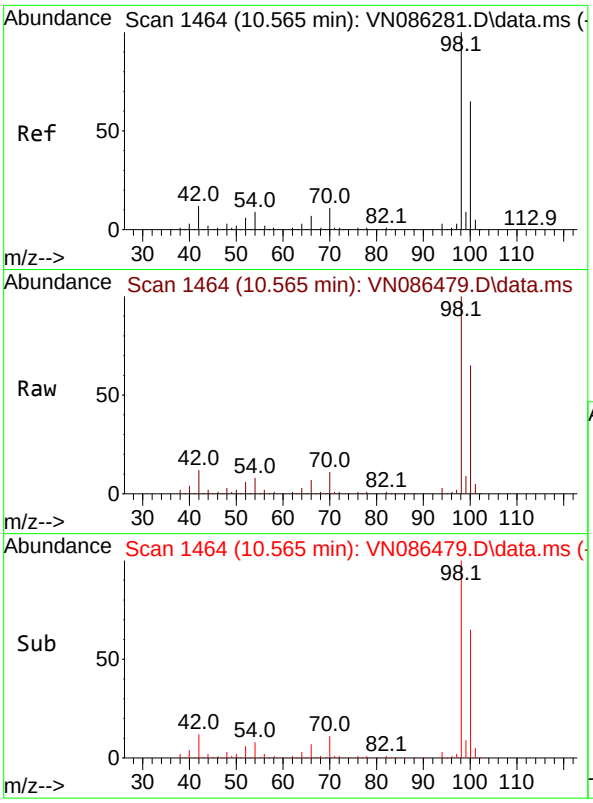


#35
Dibromofluoromethane
Concen: 60.507 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Tgt Ion:113 Resp: 83915

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.4	125.0
192	17.6	13.7	20.5



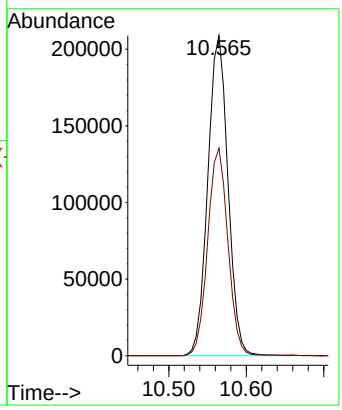


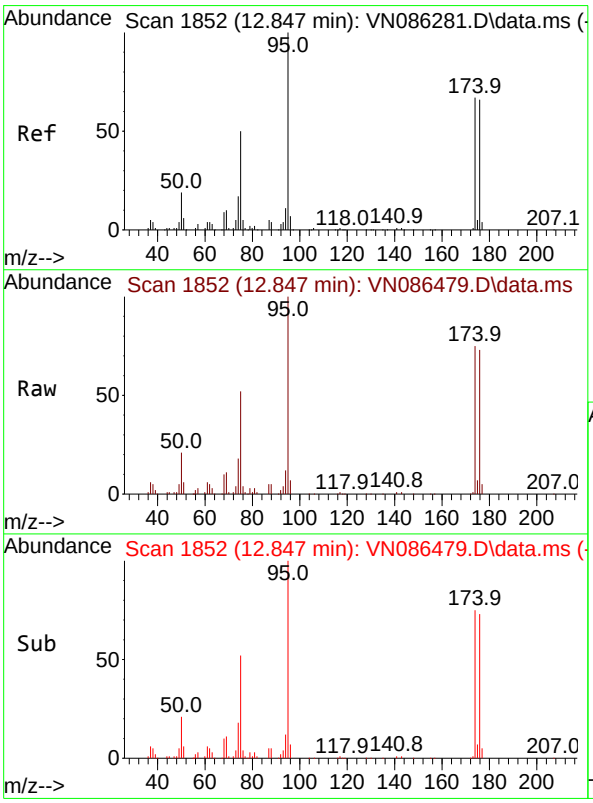
#50
Toluene-d8
Concen: 51.111 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Tgt Ion: 98 Resp: 378837

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.5	78.7

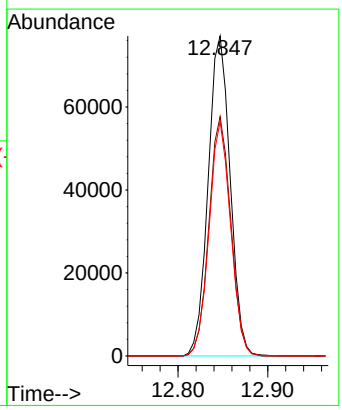


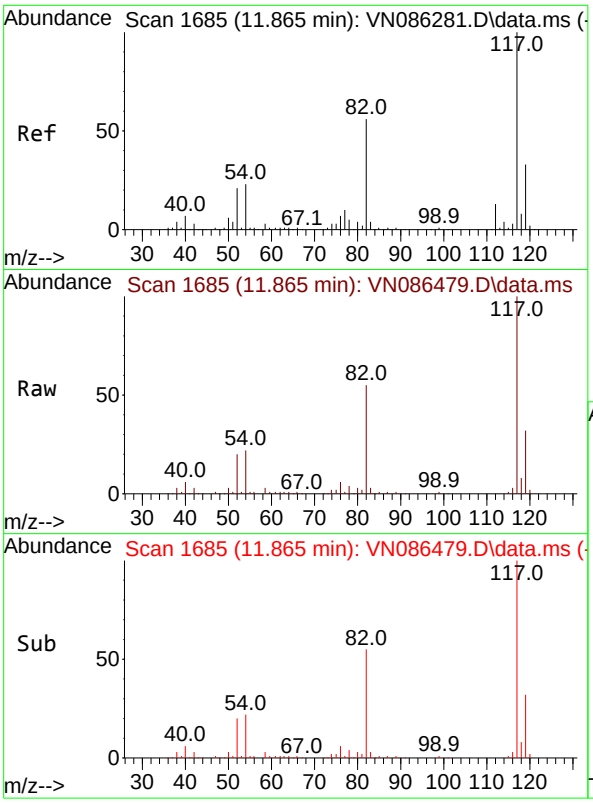


#62
4-Bromofluorobenzene
Concen: 48.562 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Tgt Ion: 95 Resp: 131288

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	133.4
176	71.7	0.0	129.2



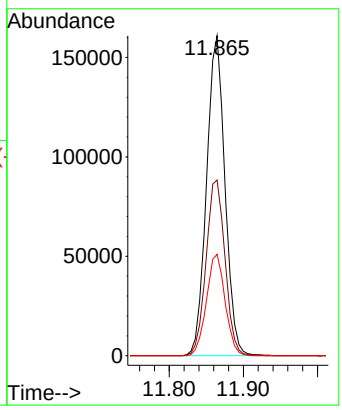


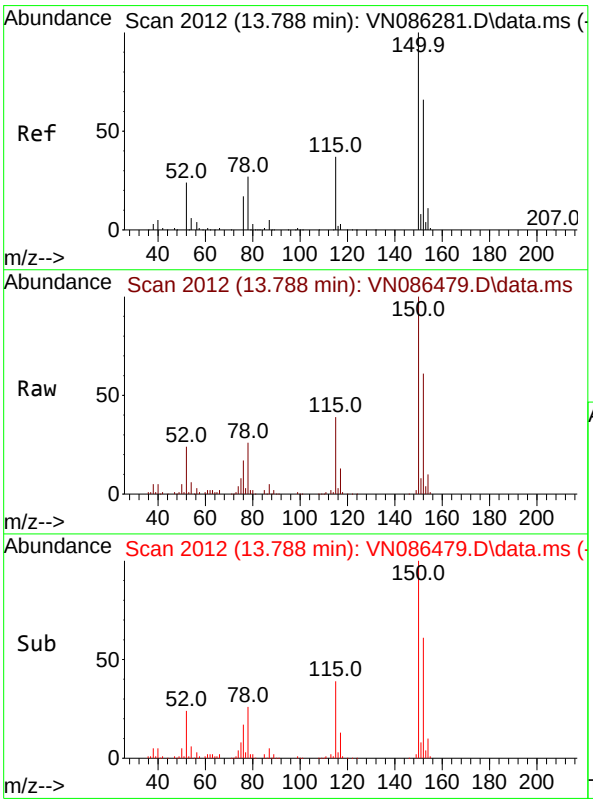
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Tgt Ion:117 Resp: 277824

Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.7	67.1
119	31.7	26.4	39.6

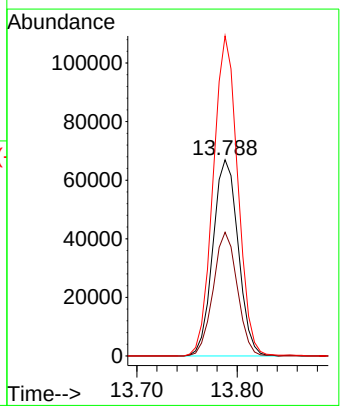




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Tgt Ion:152 Resp: 117072

Ion	Ratio	Lower	Upper
152	100		
115	60.3	31.9	95.9
150	159.0	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

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\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086479.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	1045	1056	1060	rBV	114316	261128	26.38%	5.306%
2	8.218	1060	1065	1076	rVB	211808	469907	47.47%	9.548%
3	8.577	1116	1126	1136	rBV	135903	303241	30.63%	6.161%
4	9.100	1206	1215	1228	rBV	333244	680955	68.79%	13.836%
5	10.565	1456	1464	1479	rBV	540690	989964	100.00%	20.114%
6	11.865	1677	1685	1698	rBV	484864	851861	86.05%	17.308%
7	12.847	1844	1852	1860	rVB	371645	622553	62.89%	12.649%
8	13.788	2005	2012	2021	rVV	425917	727382	73.48%	14.779%
9	15.641	2320	2327	2334	rVB	8019	14721	1.49%	0.299%

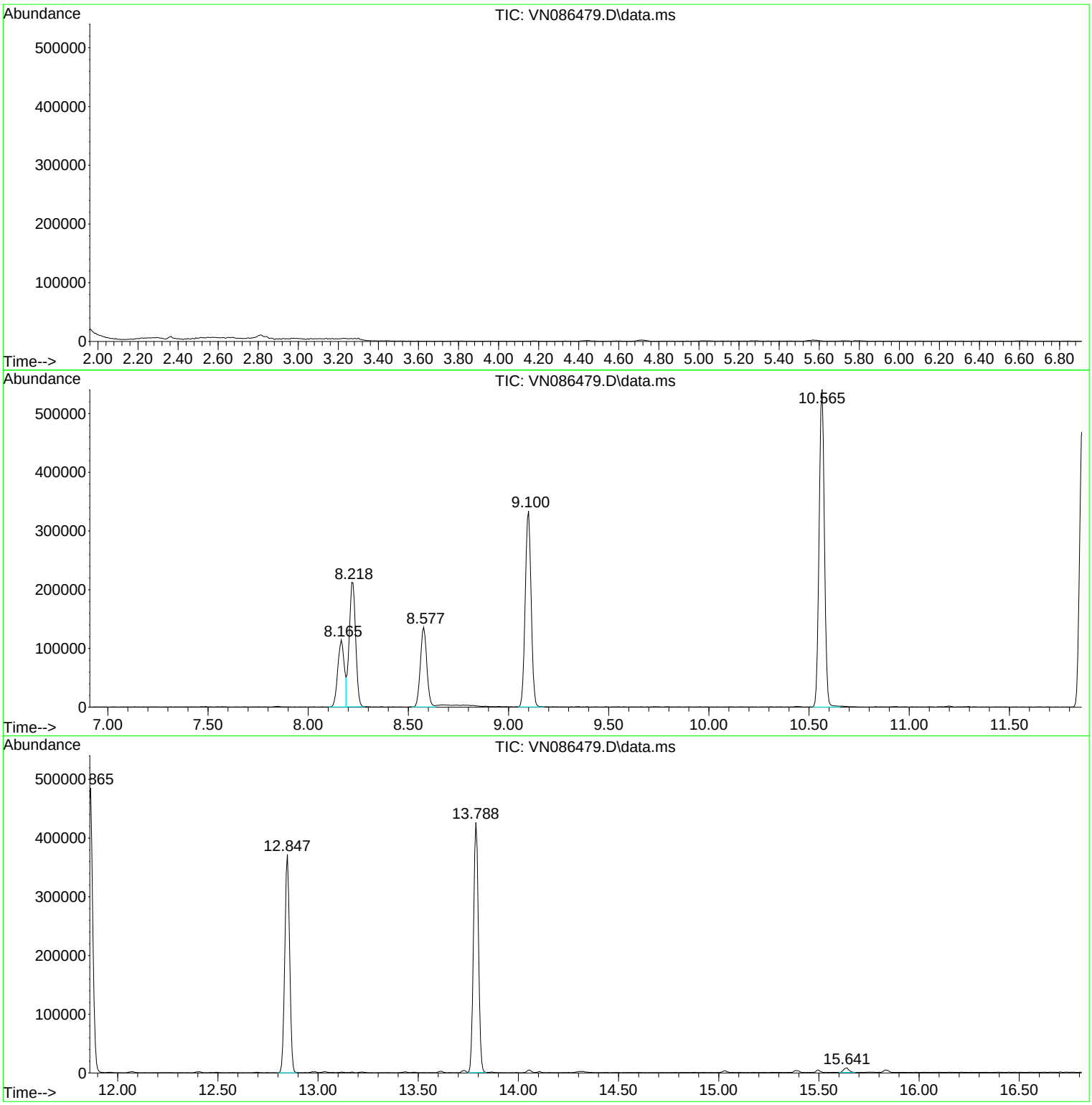
Sum of corrected areas: 4921712

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Time: May 07 02:53:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	194854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	360705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	339328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132474	46.884	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.760%			
35) Dibromofluoromethane	8.165	113	101375	60.556	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 121.120%			
50) Toluene-d8	10.565	98	453908	50.733	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	12.847	95	158981	48.717	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.440%			

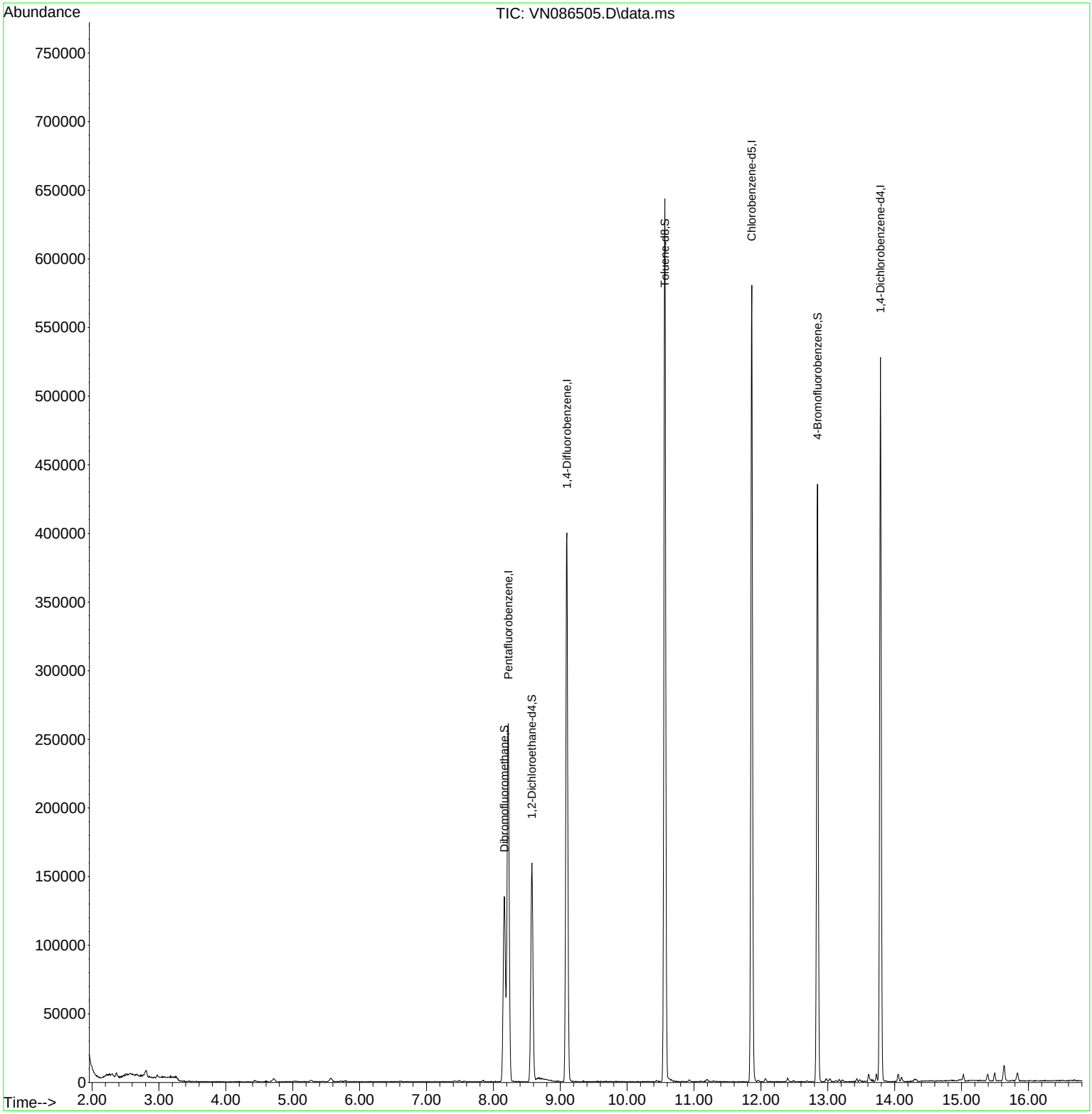
Target Compounds Qvalue

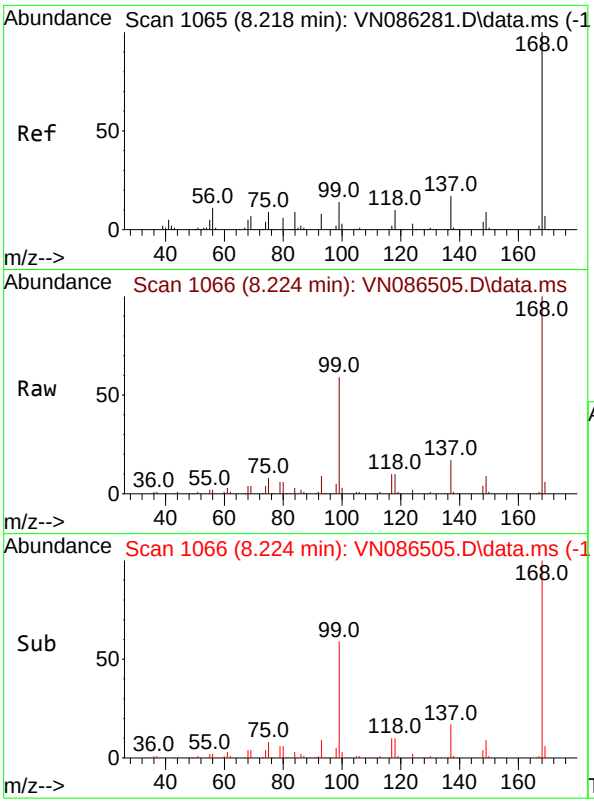
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Time: May 07 02:53:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



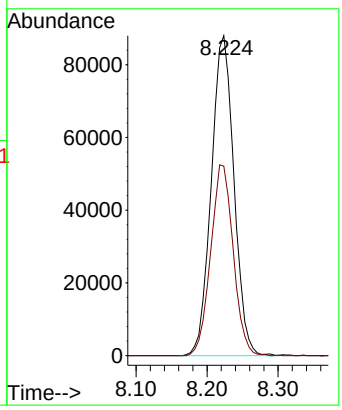


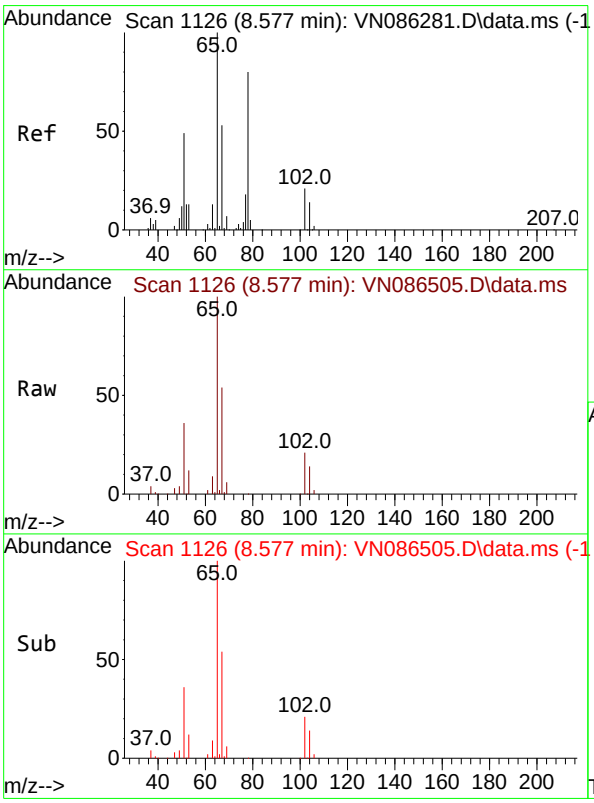
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Tgt Ion:168 Resp: 194854

Ion	Ratio	Lower	Upper
168	100		
99	59.3	52.5	78.7

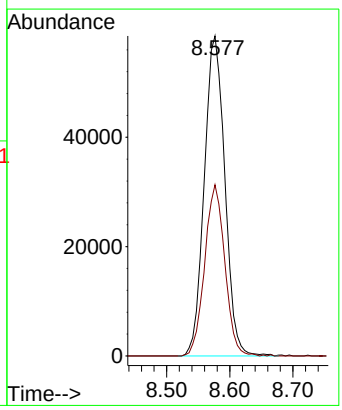


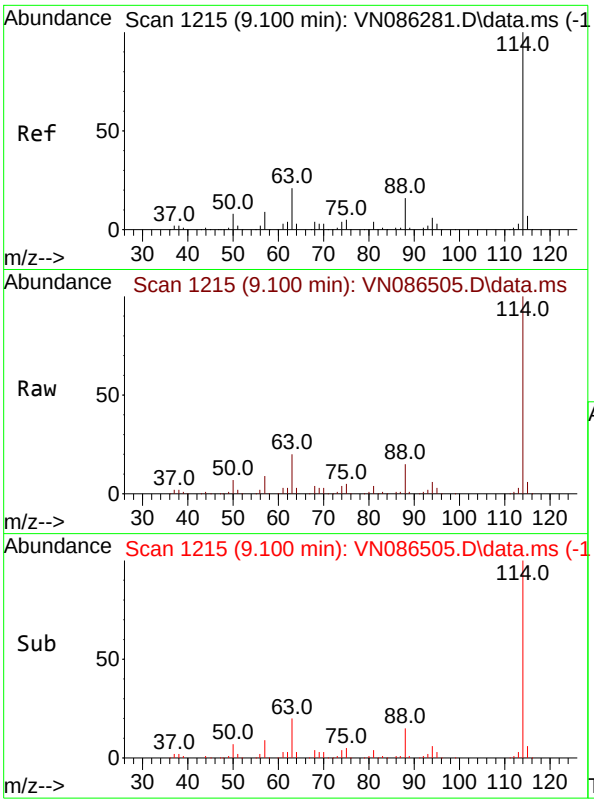


#33
1,2-Dichloroethane-d4
Concen: 46.884 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Tgt Ion: 65 Resp: 132474

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	106.0



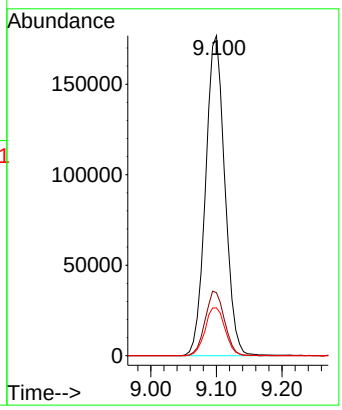


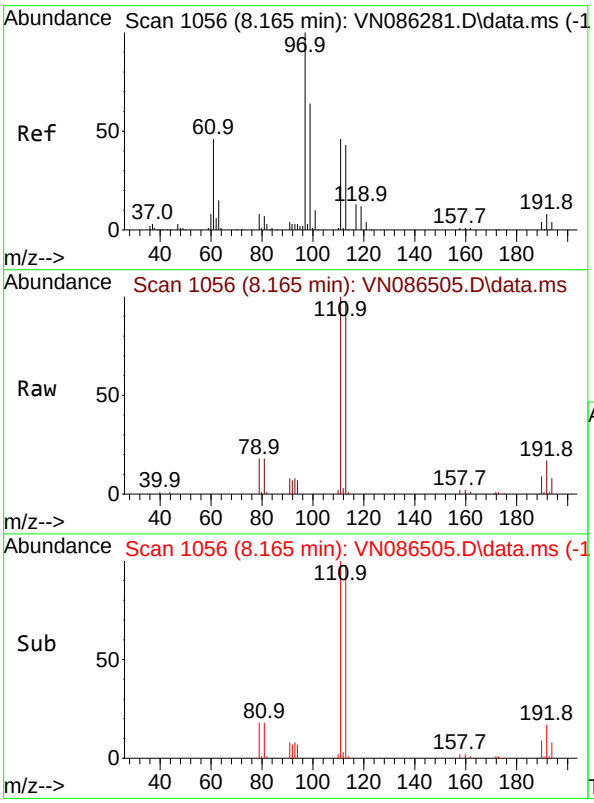
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Tgt Ion:114 Resp: 360705

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	42.6
88	14.9	0.0	31.8

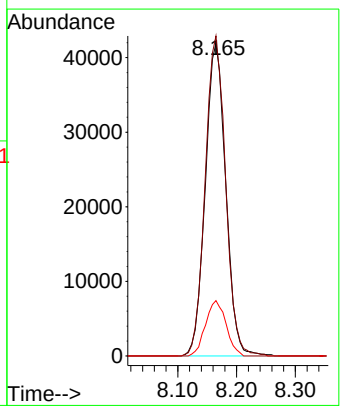


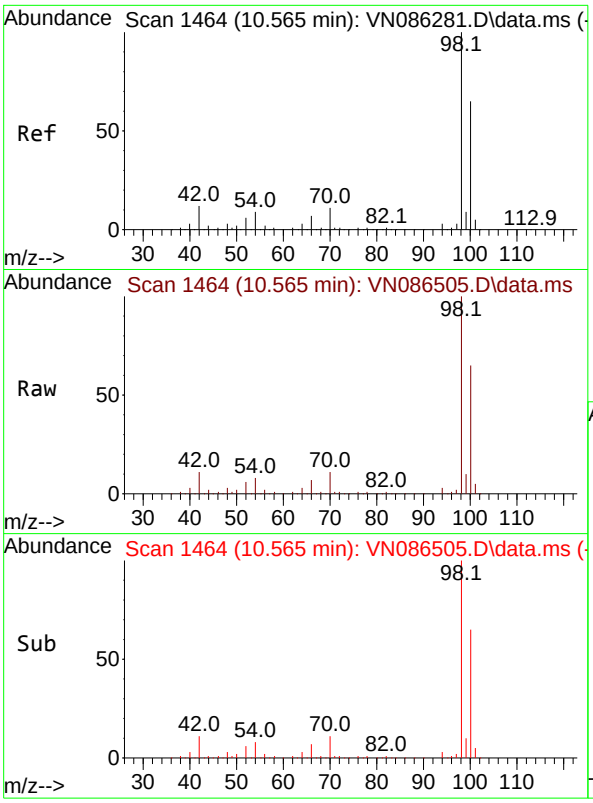


#35
Dibromofluoromethane
Concen: 60.556 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Tgt Ion:113 Resp: 101375

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.4	125.0
192	17.8	13.7	20.5



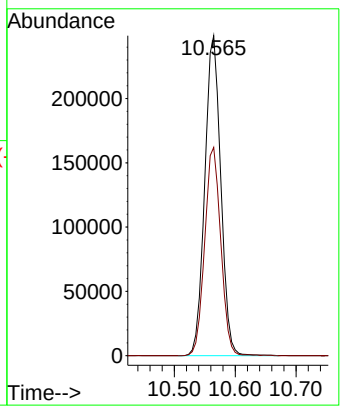


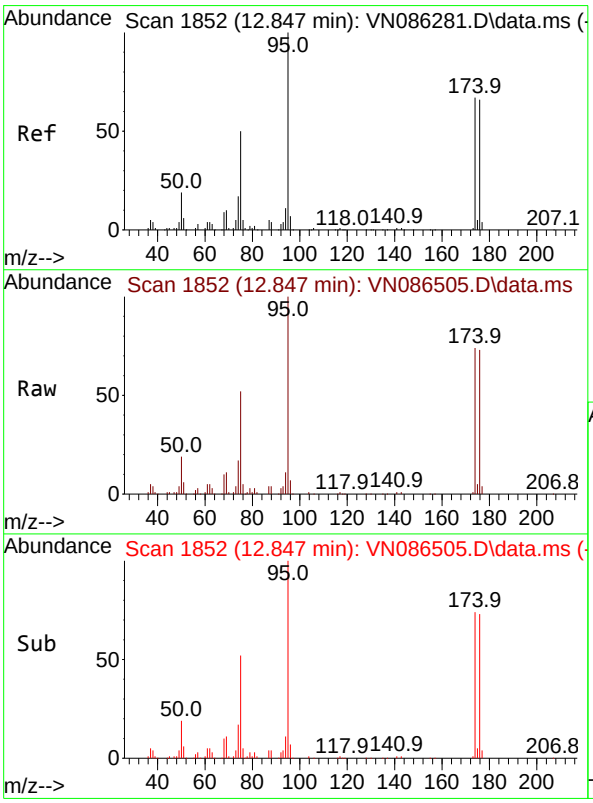
#50
Toluene-d8
Concen: 50.733 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Tgt Ion: 98 Resp: 453908

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.5	78.7

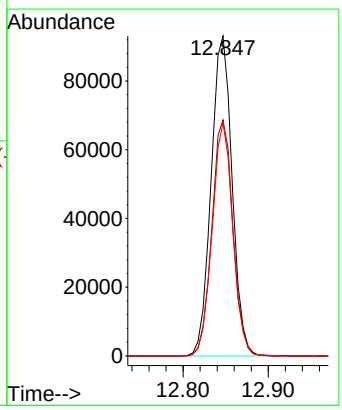


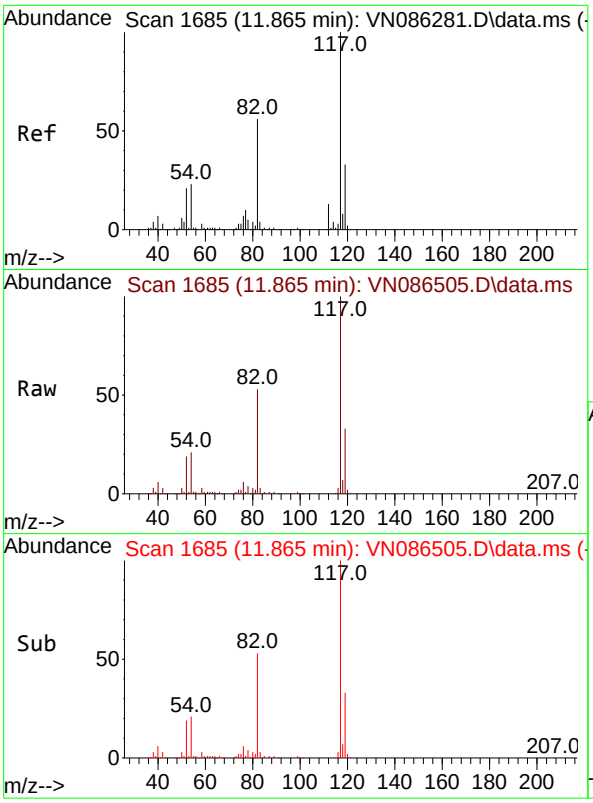


#62
4-Bromofluorobenzene
Concen: 48.717 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Tgt Ion: 95 Resp: 158981

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	133.4
176	71.1	0.0	129.2



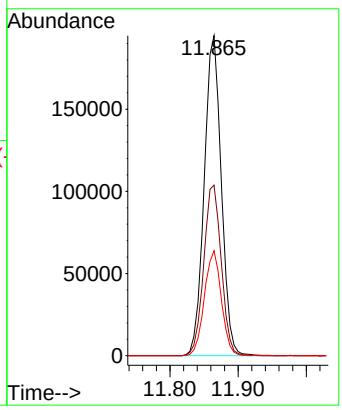


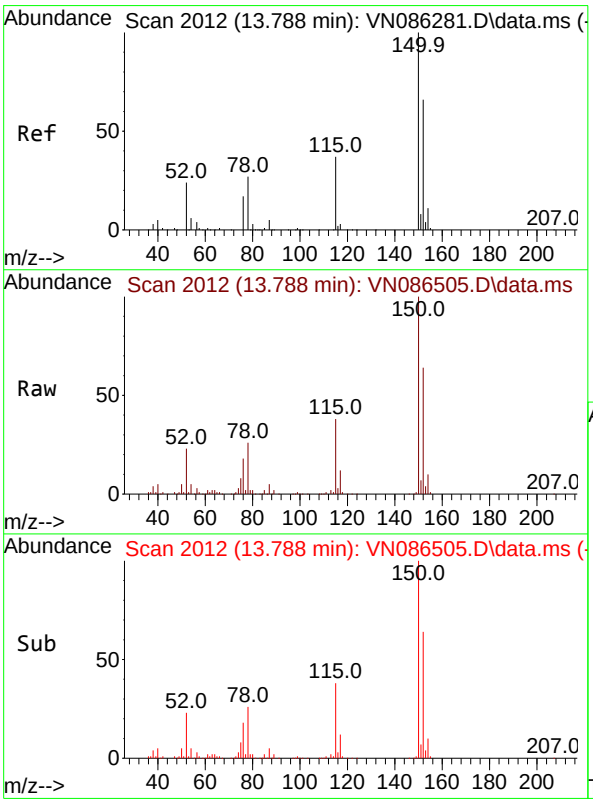
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Tgt Ion:117 Resp: 339328

Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.7	67.1
119	32.8	26.4	39.6

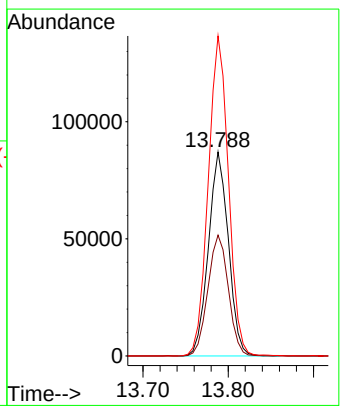




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Tgt Ion:152 Resp: 141530

Ion	Ratio	Lower	Upper
152	100		
115	60.8	31.9	95.9
150	159.0	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

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\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086505.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	134957	316199	26.80%	5.357%
2	8.224	1060	1066	1075	rVB	260623	577799	48.98%	9.789%
3	8.577	1116	1126	1135	rBV	159575	357947	30.34%	6.064%
4	9.100	1205	1215	1227	rBV	399919	815470	69.12%	13.815%
5	10.565	1452	1464	1479	rBV	643372	1179719	100.00%	19.986%
6	11.865	1677	1685	1697	rBV	580629	1023125	86.73%	17.333%
7	12.847	1844	1852	1862	rVB	435530	742483	62.94%	12.579%
8	13.788	2005	2012	2023	rVB	527403	868228	73.60%	14.709%
9	15.635	2321	2326	2338	rVB	11364	21638	1.83%	0.367%

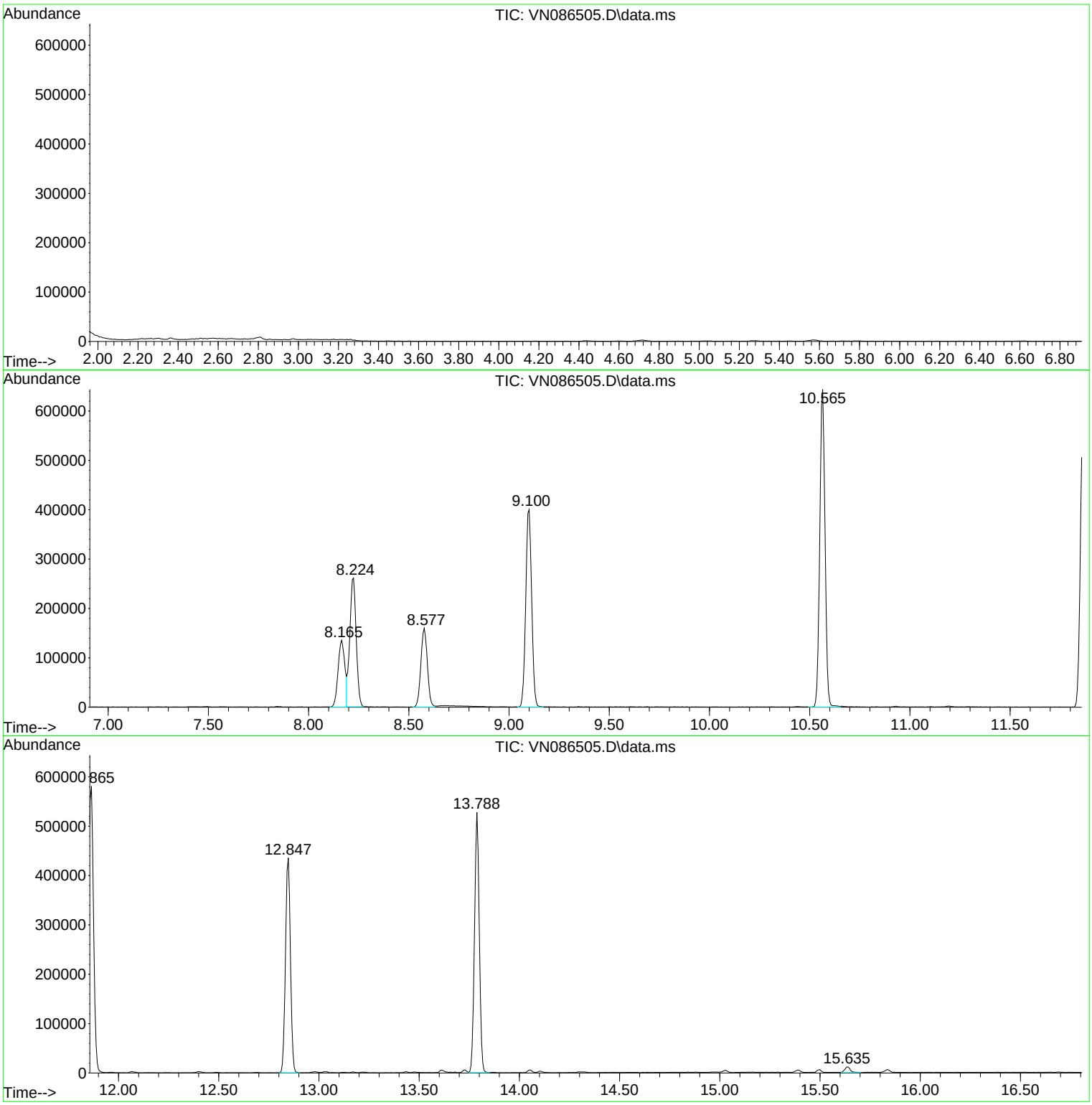
Sum of corrected areas: 5902608

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Time: May 09 23:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	161578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	114071	48.685	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.380%			
35) Dibromofluoromethane	8.159	113	89742	63.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 126.900%#			
50) Toluene-d8	10.565	98	382413	50.589	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.180%			
62) 4-Bromofluorobenzene	12.847	95	133637	48.469	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.940%			

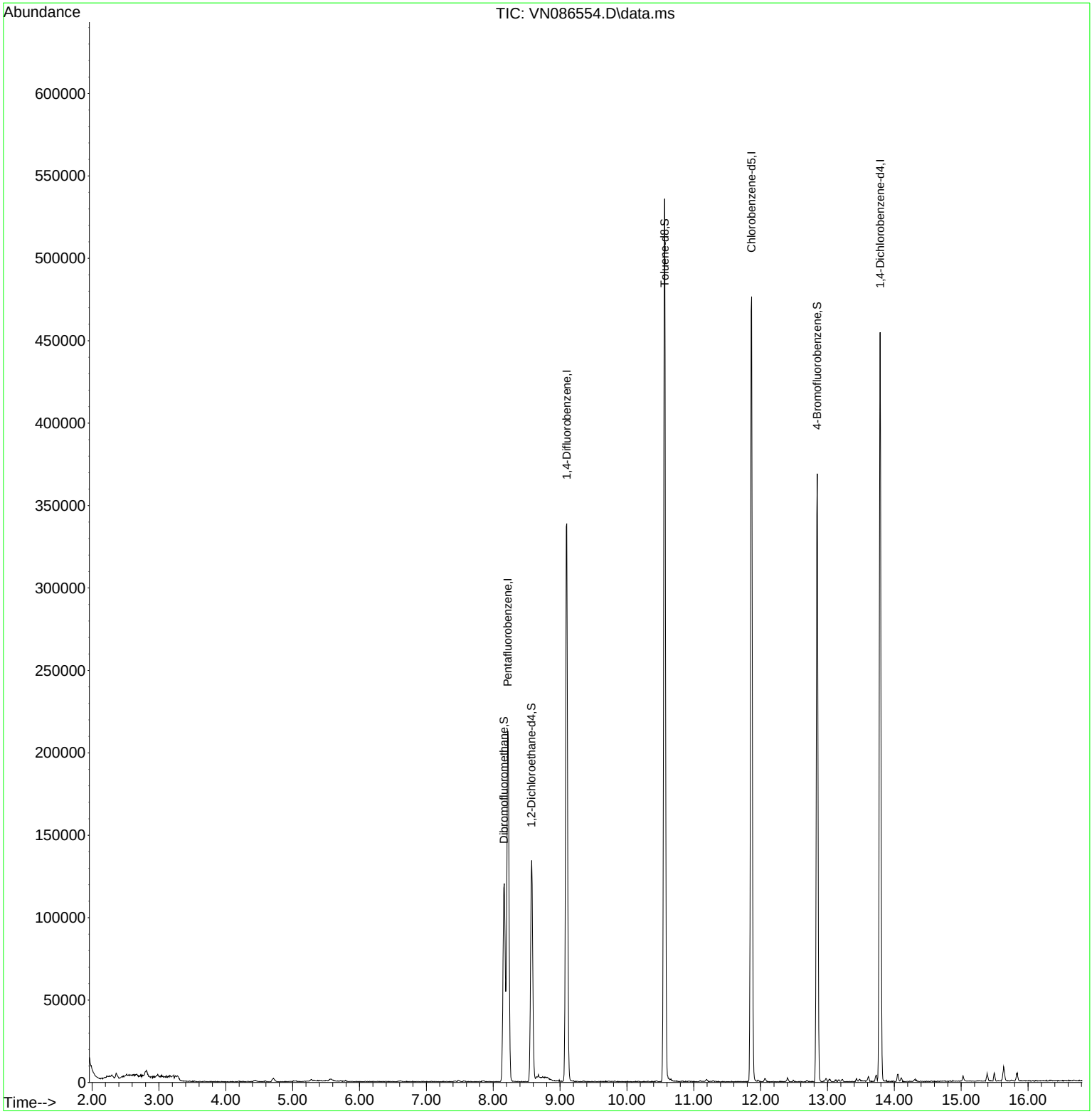
Target Compounds Qvalue

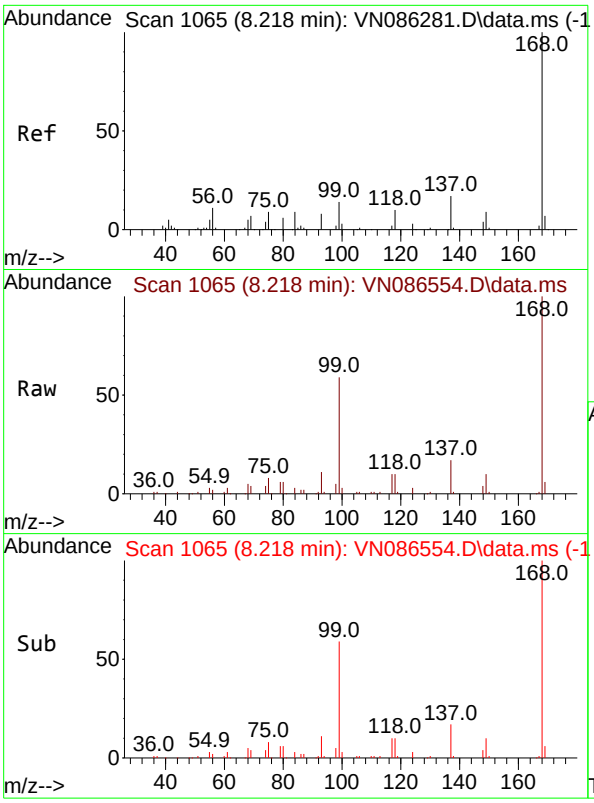
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Time: May 09 23:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



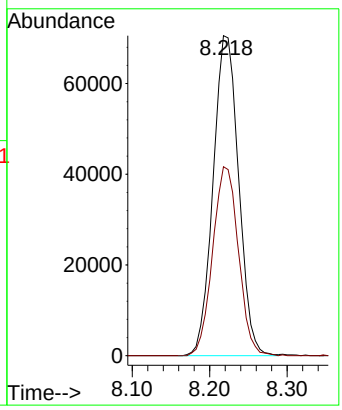


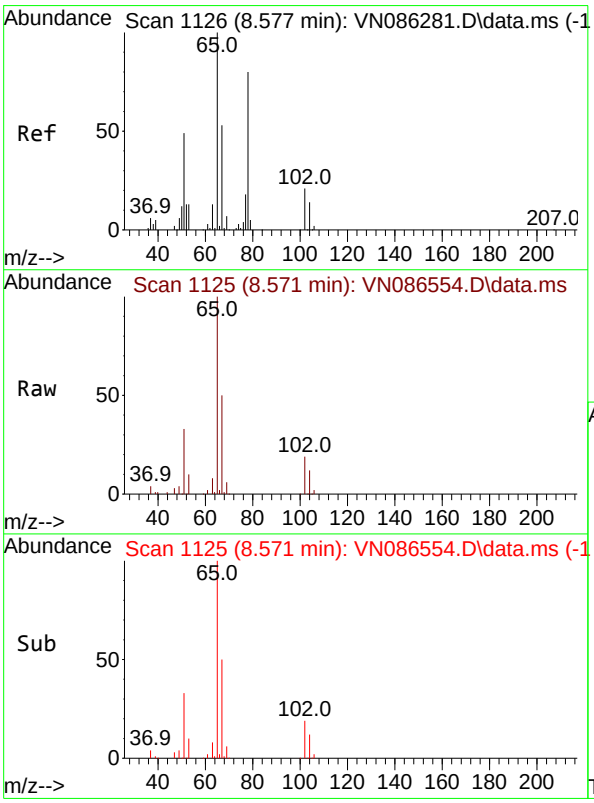
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Tgt Ion:168 Resp: 161578

Ion	Ratio	Lower	Upper
168	100		
99	59.1	52.5	78.7

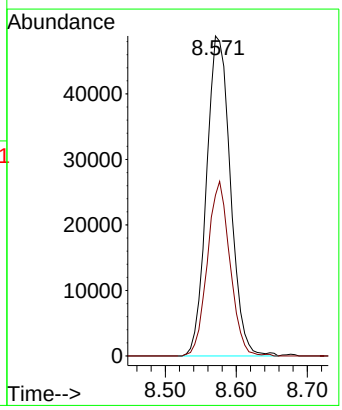


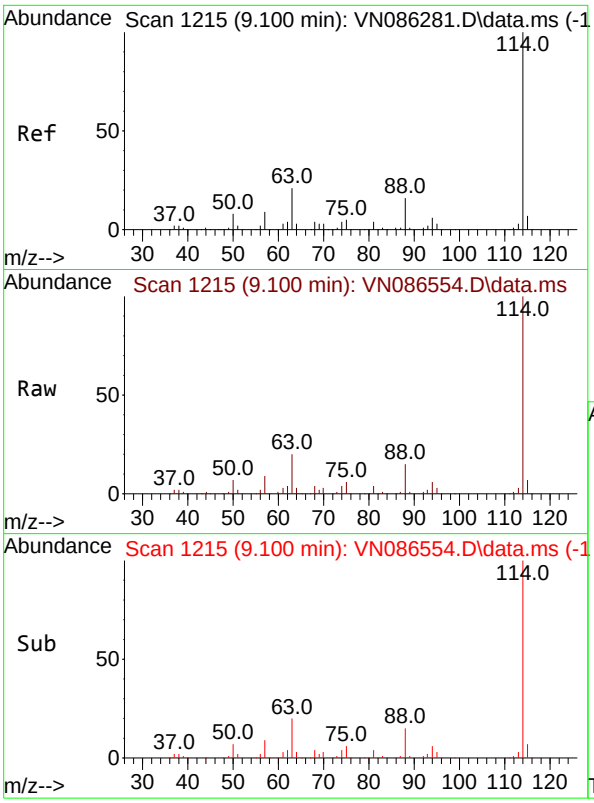


#33
1,2-Dichloroethane-d4
Concen: 48.685 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Tgt Ion: 65 Resp: 114071

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.0



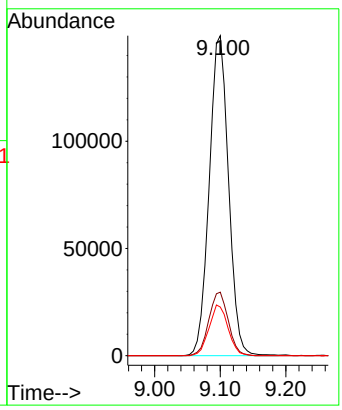


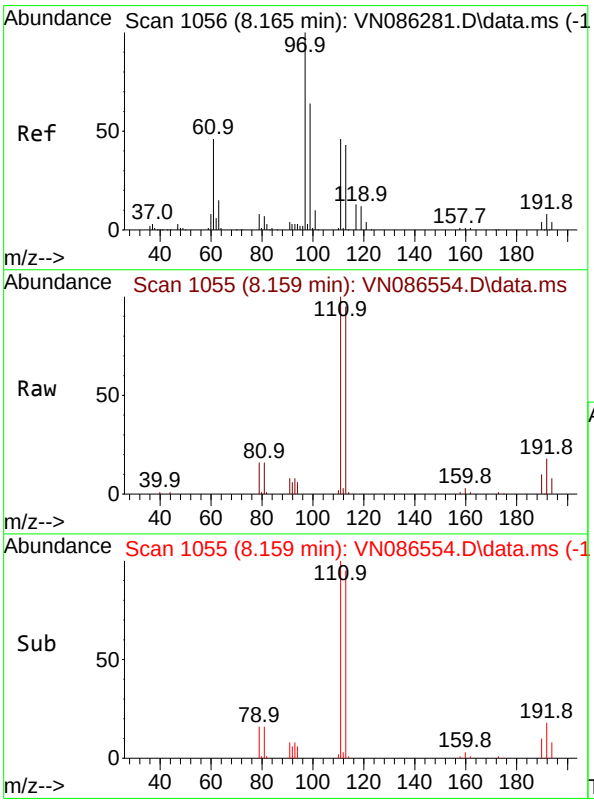
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Tgt Ion:114 Resp: 304753

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	42.6
88	15.2	0.0	31.8

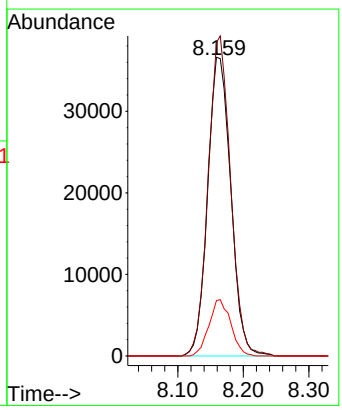


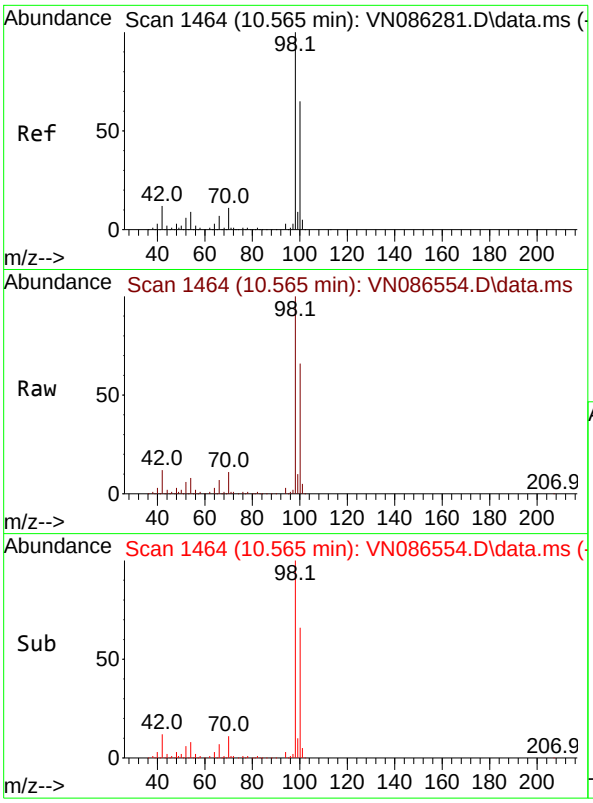


#35
Dibromofluoromethane
Concen: 63.449 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Tgt Ion:113 Resp: 89742

Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.4	125.0
192	17.8	13.7	20.5



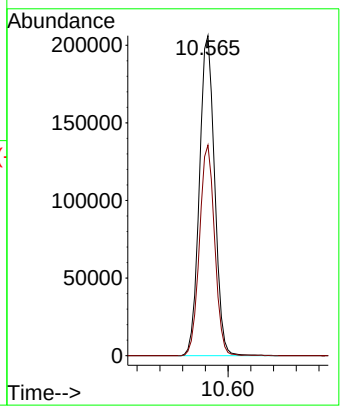


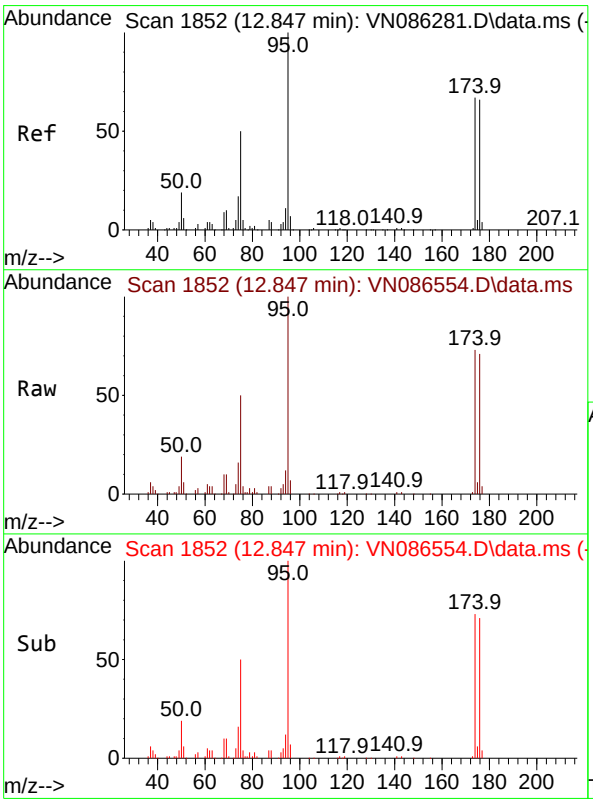
#50
Toluene-d8
Concen: 50.589 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Tgt Ion: 98 Resp: 382413

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.5	78.7

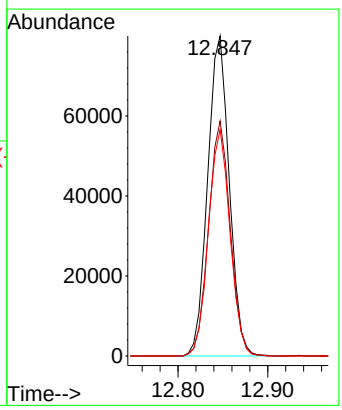


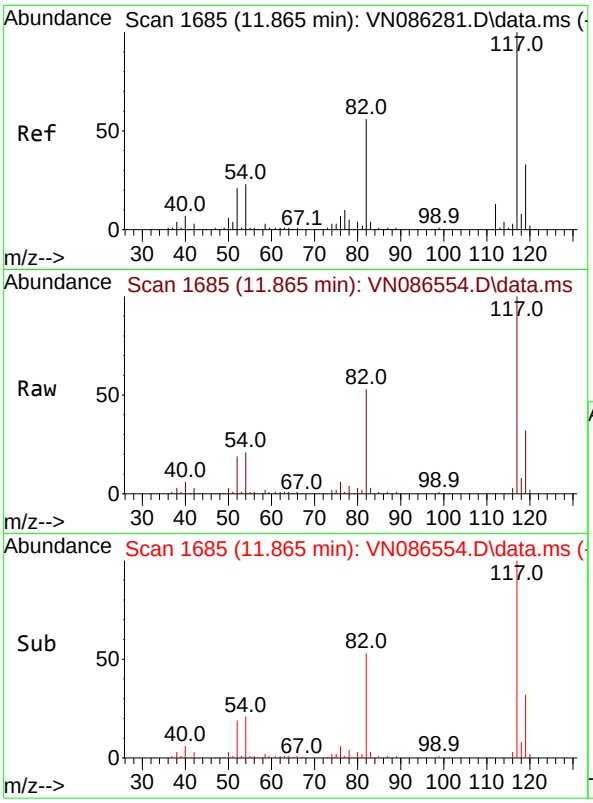


#62
4-Bromofluorobenzene
Concen: 48.469 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Tgt Ion: 95 Resp: 133637

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	133.4
176	70.7	0.0	129.2



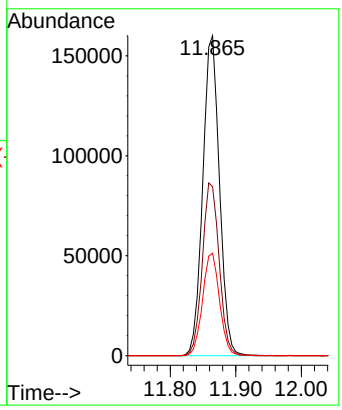


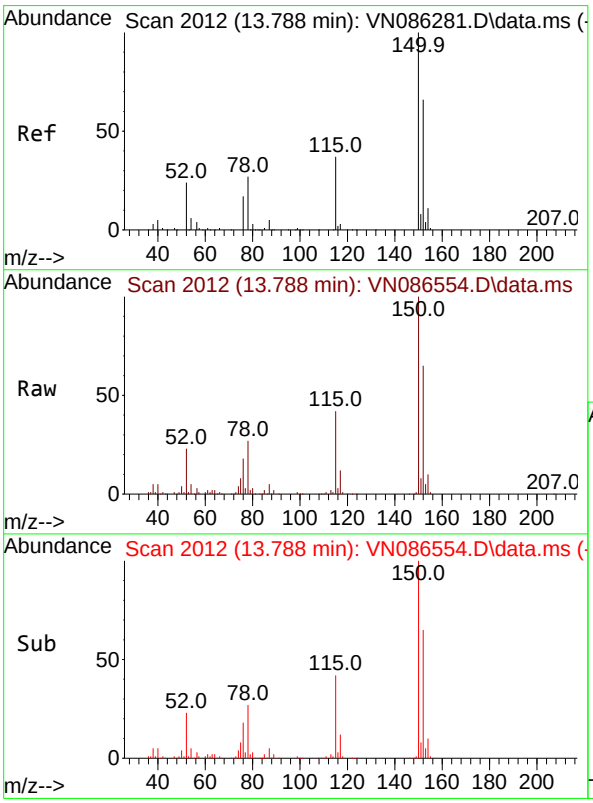
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Tgt Ion:117 Resp: 283891

Ion	Ratio	Lower	Upper
117	100		
82	52.8	44.7	67.1
119	32.0	26.4	39.6

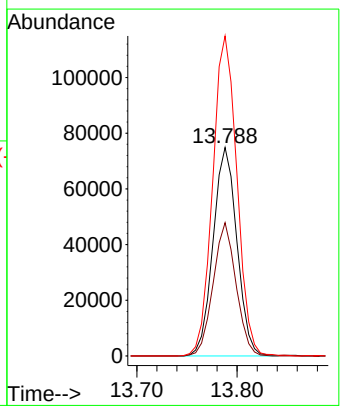




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Tgt Ion:152 Resp: 123333

Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.9	95.9
150	156.6	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

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\82N041525W.M
Title : SW846 8260

Signal : TIC: VN086554.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	1043	1056	1060	rBV	120353	284947	28.78%	5.702%
2	8.218	1060	1065	1077	rVB	212574	479622	48.44%	9.598%
3	8.577	1116	1126	1135	rBV	134233	306350	30.94%	6.130%
4	9.100	1203	1215	1225	rBV	338531	691651	69.86%	13.841%
5	10.565	1456	1464	1474	rBV	535605	990074	100.00%	19.813%
6	11.865	1676	1685	1697	rBV	476266	856334	86.49%	17.136%
7	12.847	1845	1852	1863	rBV	368977	623248	62.95%	12.472%
8	13.788	2005	2012	2021	rVB	454178	748709	75.62%	14.983%
9	15.635	2320	2326	2337	rBV	8736	16217	1.64%	0.325%

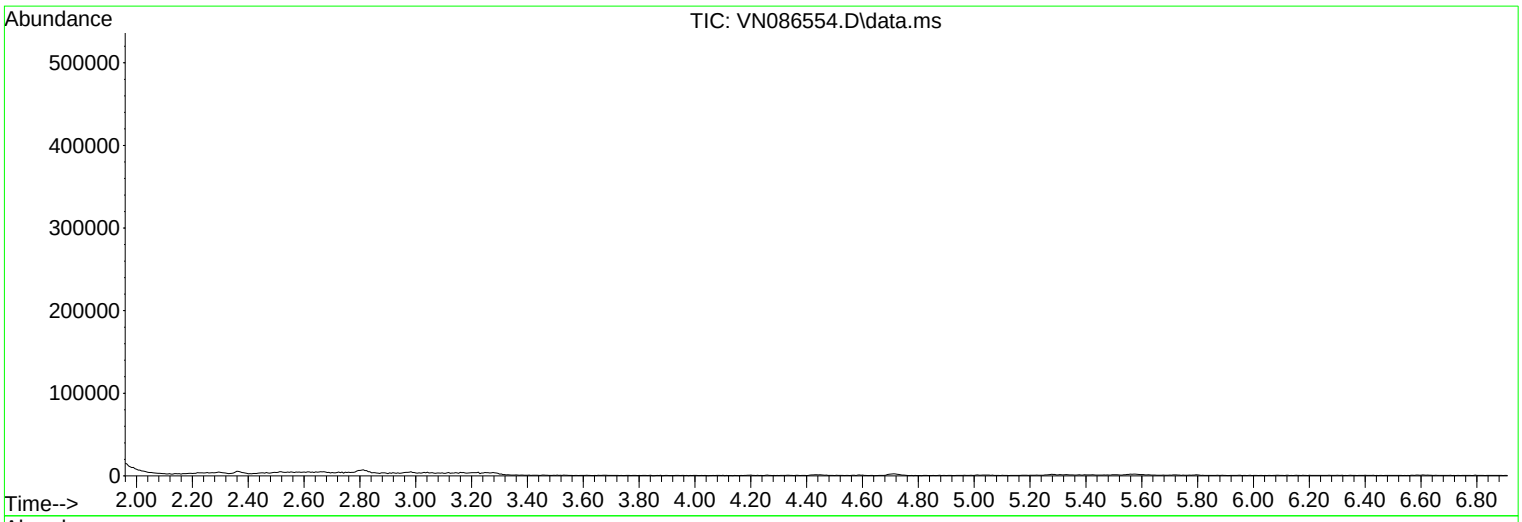
Sum of corrected areas: 4997152

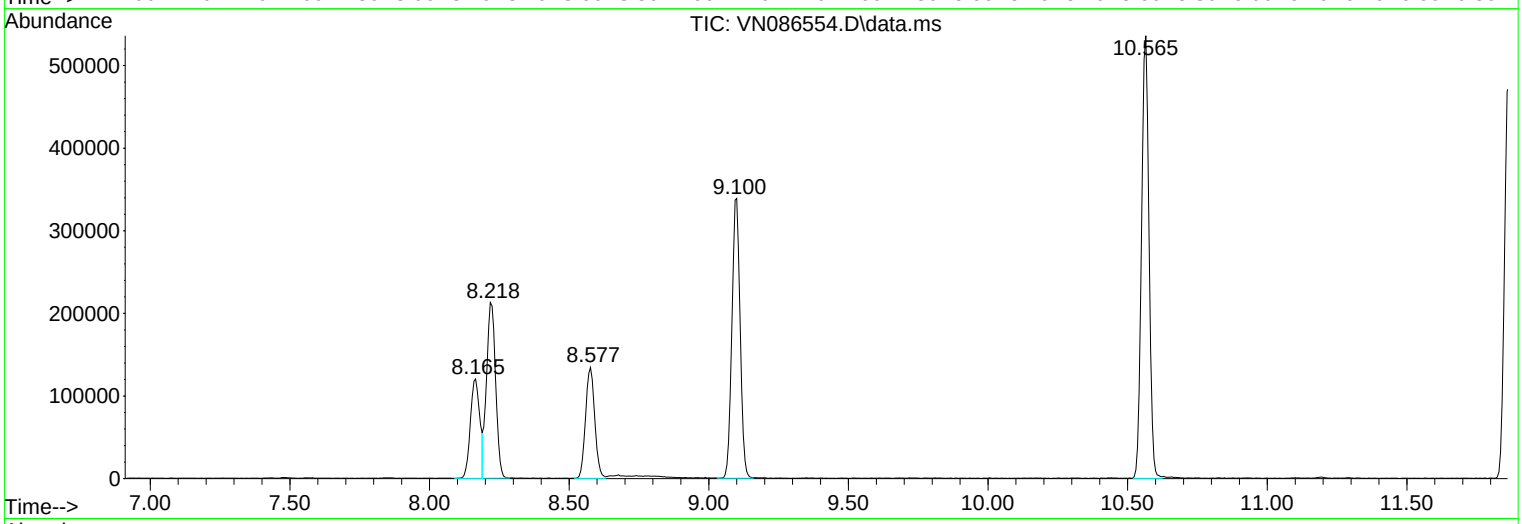
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

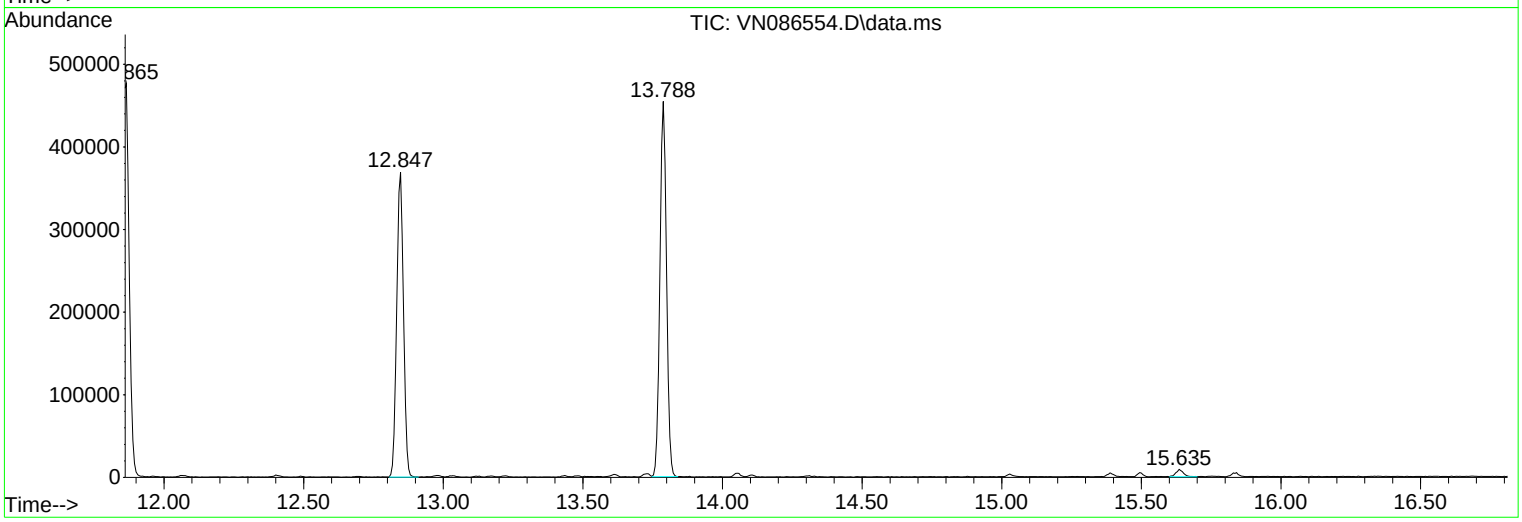
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Time: May 03 02:49:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	420631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	766740	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	655107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	242655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	190184	48.950	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.900%			
35) Dibromofluoromethane	7.634	113	246463	48.655	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.320%			
50) Toluene-d8	10.103	98	896764	46.959	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.920%			
62) 4-Bromofluorobenzene	12.408	95	364820	56.748	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.500%			

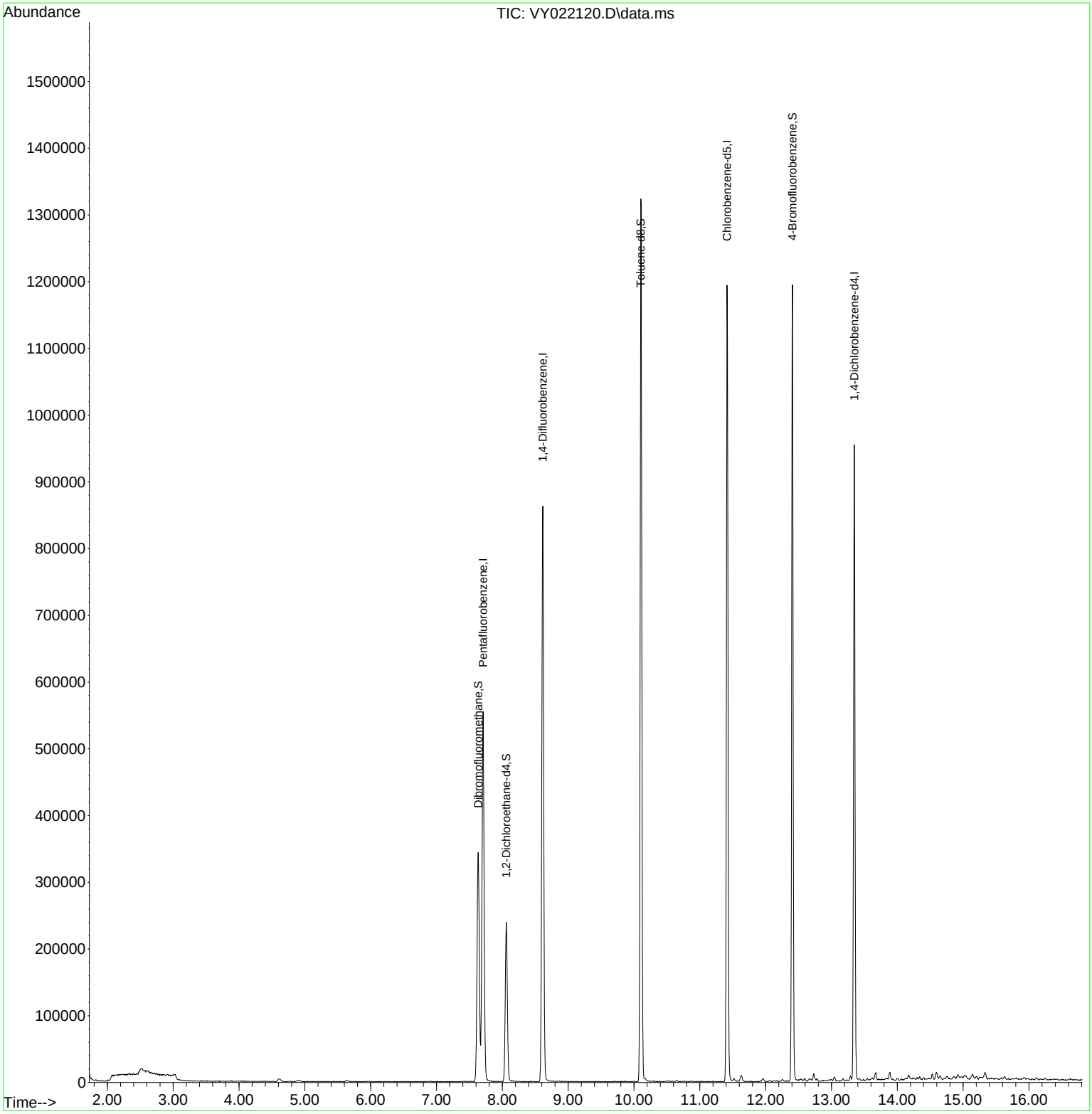
Target Compounds	Qvalue

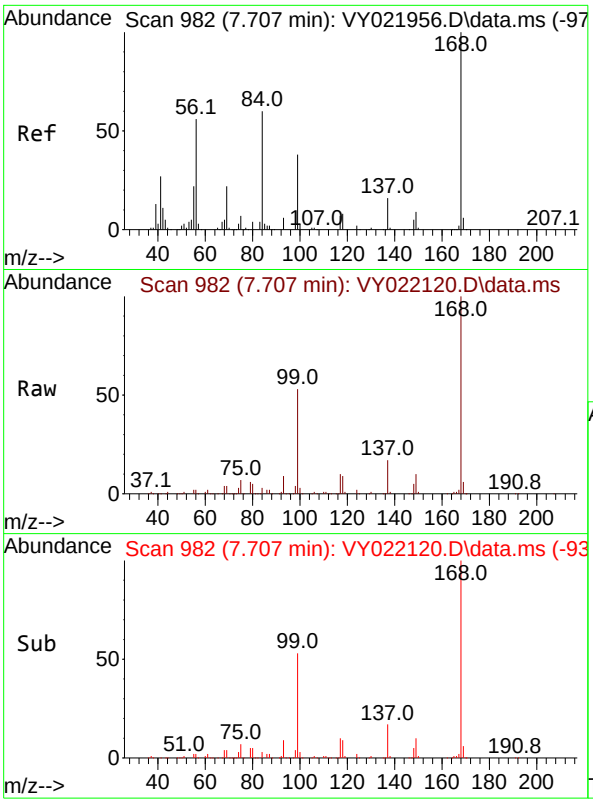
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Time: May 03 02:49:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



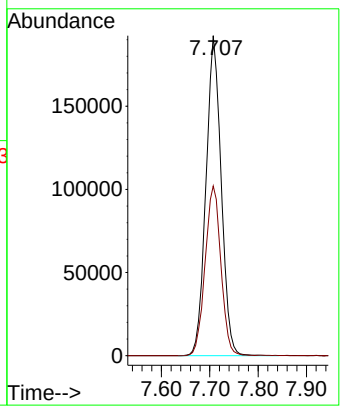


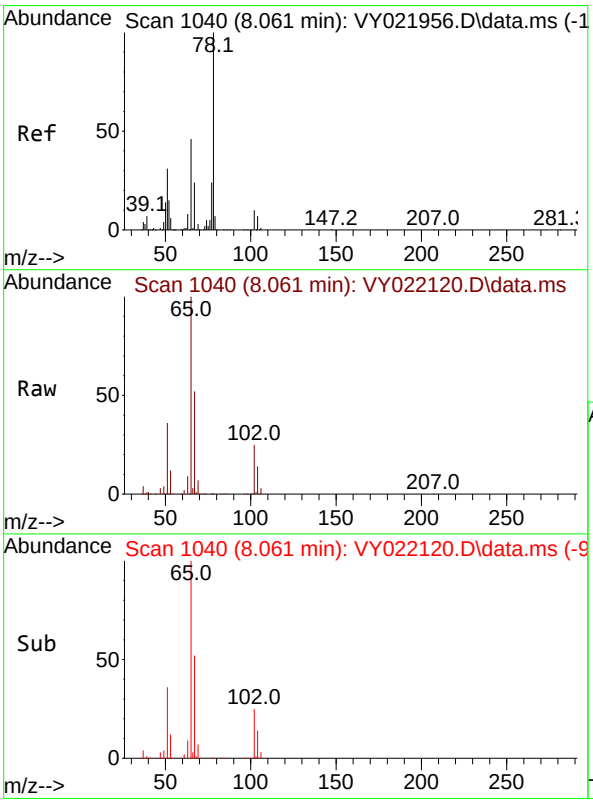
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Tgt Ion:168 Resp: 420631

Ion	Ratio	Lower	Upper
168	100		
99	53.1	43.1	64.7

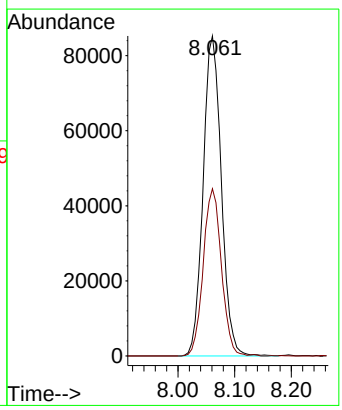


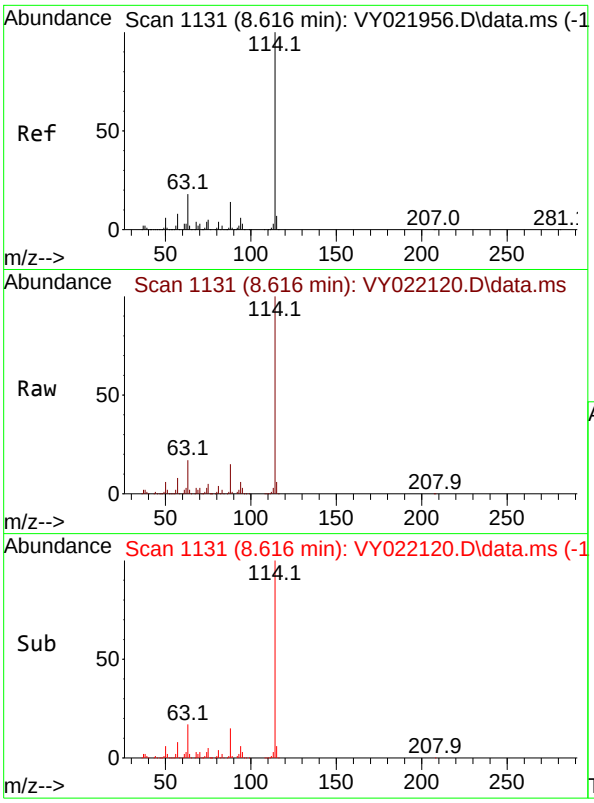


#33
1,2-Dichloroethane-d4
Concen: 48.950 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Tgt Ion: 65 Resp: 190184

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	105.8



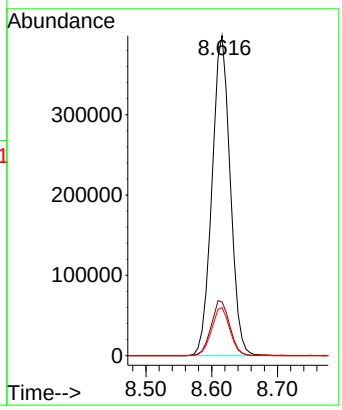


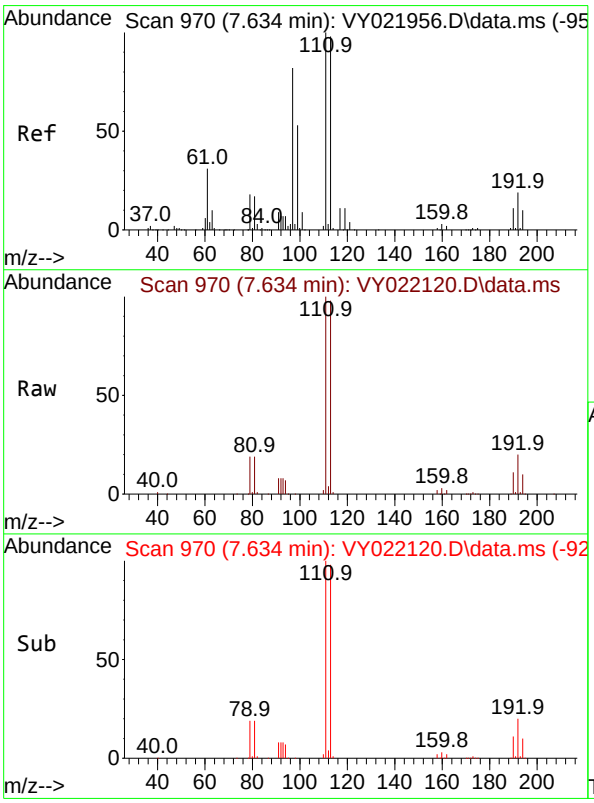
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Tgt Ion:114 Resp: 766740

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	35.4
88	15.0	0.0	28.2

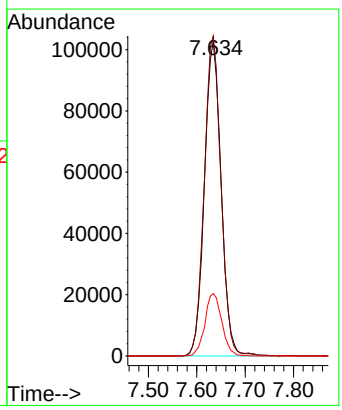


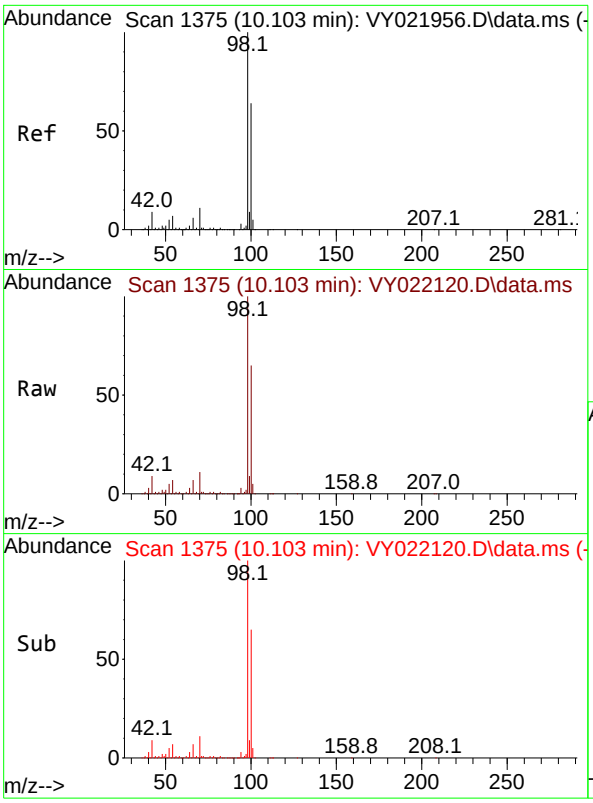


#35
Dibromofluoromethane
Concen: 48.655 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Tgt Ion:113 Resp: 246463

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	20.1	15.6	23.4



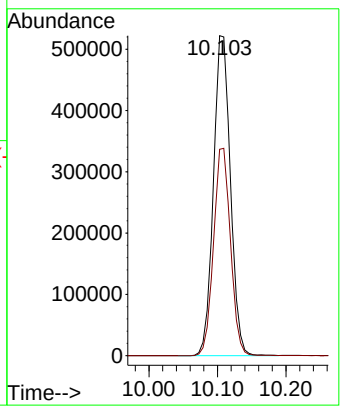


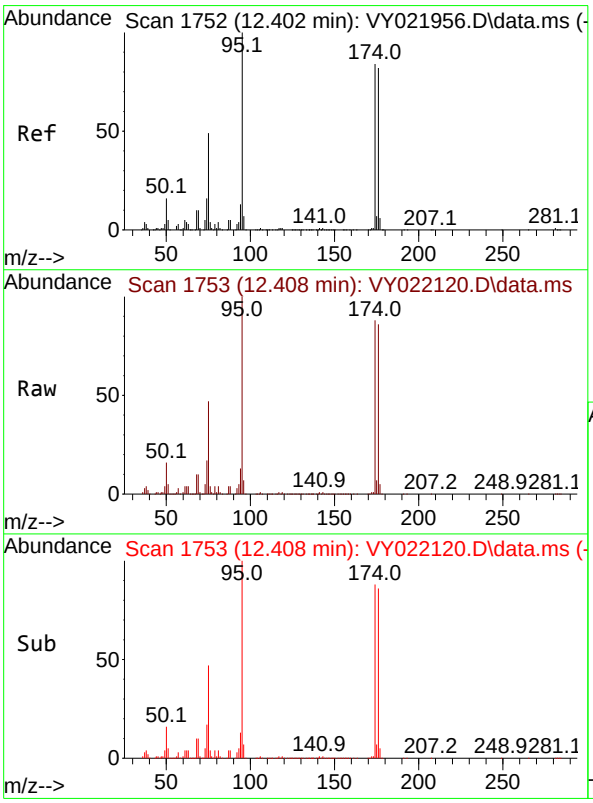
#50
Toluene-d8
Concen: 46.959 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Tgt Ion: 98 Resp: 896764

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4

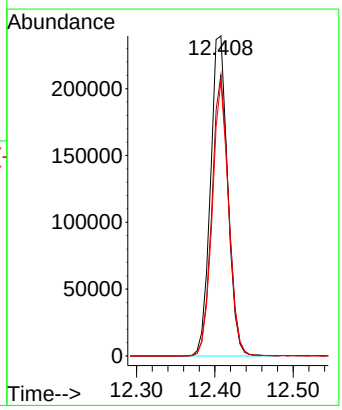


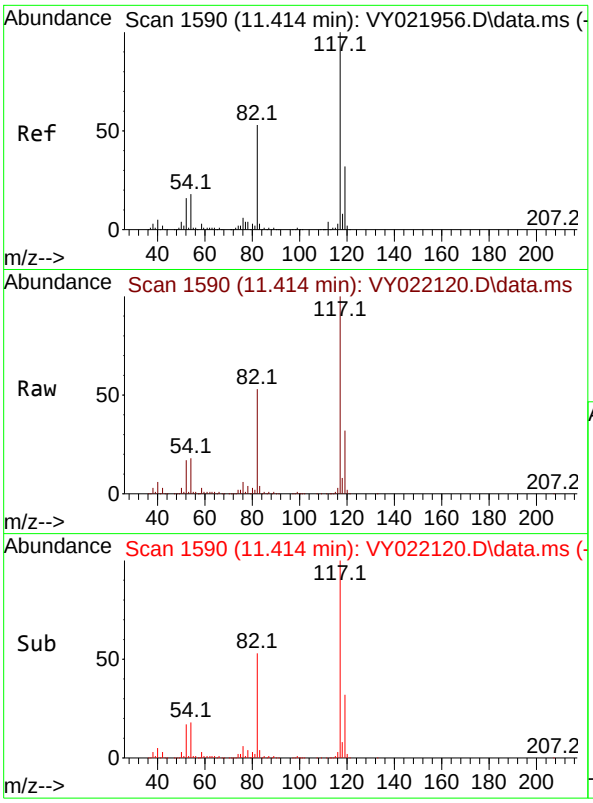


#62
4-Bromofluorobenzene
Concen: 56.748 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Tgt Ion: 95 Resp: 364820

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	179.0
176	81.7	0.0	171.8



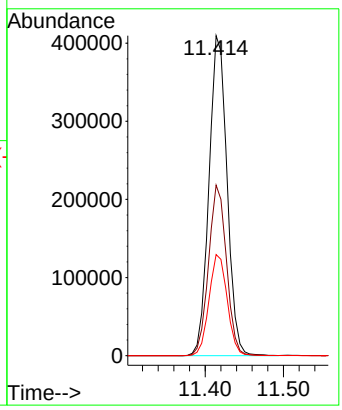


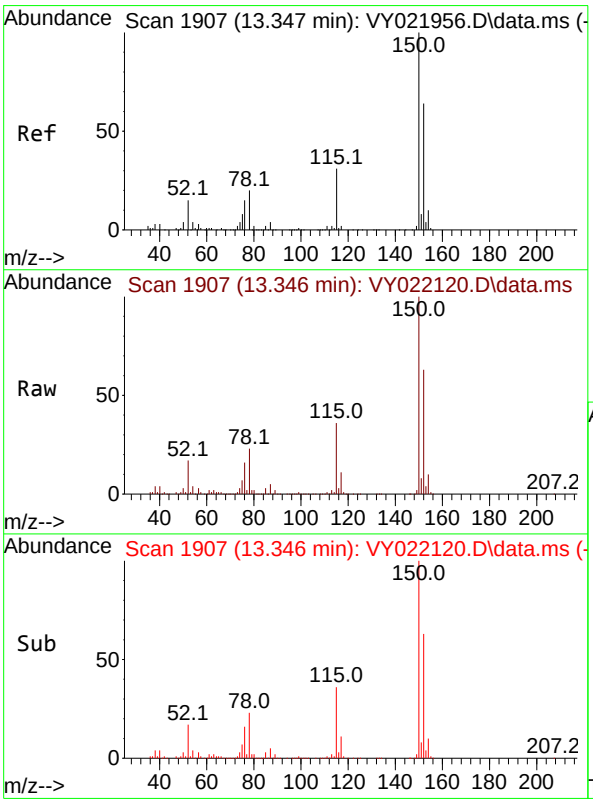
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Tgt Ion:117 Resp: 655107

Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.1	63.1
119	31.6	25.7	38.5

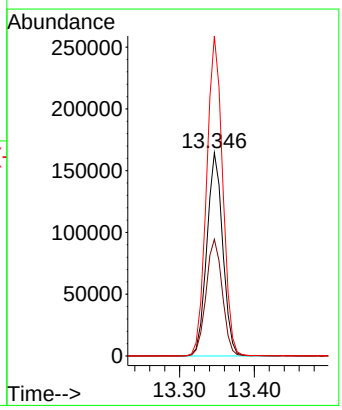




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Tgt Ion:152 Resp: 242655

Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.0	84.0
150	159.3	0.0	345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

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\82Y042225S.M
Title : SW846 8260

Signal : TIC: VY022120.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.519	122	131	136	rBV	8996	32828	1.44%	0.280%
2	7.634	959	970	976	rBV	343509	827032	36.31%	7.050%
3	7.707	976	982	994	rVB	553341	1209579	53.10%	10.311%
4	8.061	1030	1040	1051	rBV	239018	533300	23.41%	4.546%
5	8.616	1121	1131	1144	rBV	862571	1693889	74.36%	14.439%
6	10.103	1367	1375	1384	rBV	1322863	2277928	100.00%	19.418%
7	11.414	1583	1590	1601	rBV	1193287	1914021	84.02%	16.316%
8	12.408	1744	1753	1764	rBV	1193430	1817946	79.81%	15.497%
9	13.346	1900	1907	1916	rVB	951125	1424719	62.54%	12.145%

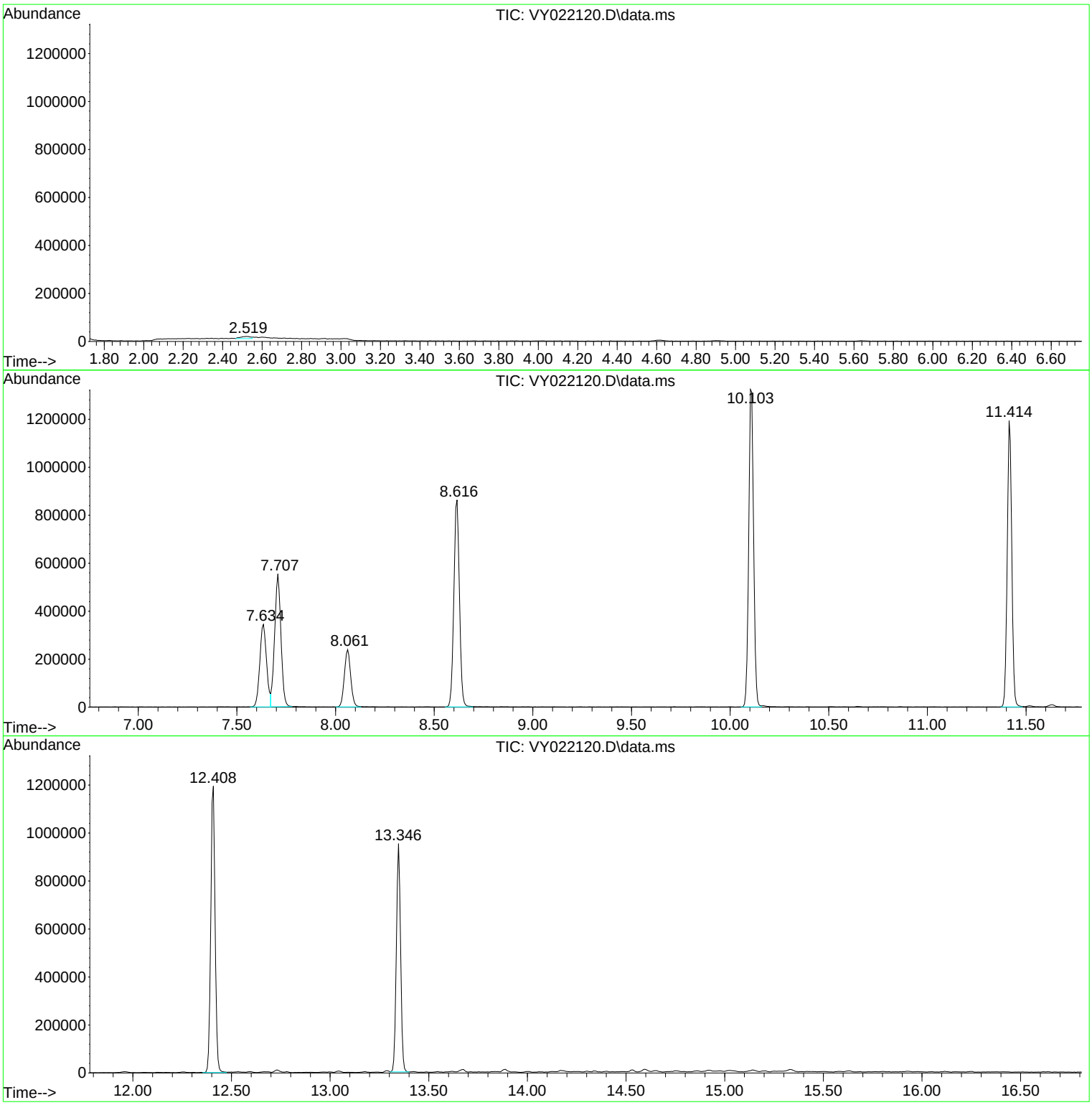
Sum of corrected areas: 11731242

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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\VN050525\
Data File : VN086491.D
Acq On : 05 May 2025 17:13
Operator : JC\MD
Sample : VN0505MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 06 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	174392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	323563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130104	51.448	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.900%			
35) Dibromofluoromethane	8.165	113	86050	57.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.600%			
50) Toluene-d8	10.565	98	407923	50.826	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.660%			
62) 4-Bromofluorobenzene	12.847	95	150202	51.310	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	44543	21.547	ug/l	96
3) Chloromethane	2.359	50	59896	19.935	ug/l	100
4) Vinyl Chloride	2.512	62	57590	20.086	ug/l	100
5) Bromomethane	2.959	94	31279	24.254	ug/l	100
6) Chloroethane	3.118	64	37234	19.404	ug/l	97
7) Trichlorofluoromethane	3.495	101	66522	20.946	ug/l	99
8) Diethyl Ether	3.959	74	26911	19.410	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	39674	20.650	ug/l	98
10) Methyl Iodide	4.589	142	49175	23.281	ug/l	98
11) Tert butyl alcohol	5.518	59	43369	93.993	ug/l	100
12) 1,1-Dichloroethene	4.342	96	39810	19.395	ug/l	98
13) Acrolein	4.183	56	22436	94.919	ug/l	98
14) Allyl chloride	5.030	41	65646	17.991	ug/l	97
15) Acrylonitrile	5.718	53	107773	94.486	ug/l	99
16) Acetone	4.424	43	90063	99.575	ug/l	98
17) Carbon Disulfide	4.712	76	105148	17.109	ug/l	97
18) Methyl Acetate	5.024	43	52056	17.149	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	146305	19.391	ug/l	95
20) Methylene Chloride	5.277	84	47392	20.272	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	42054	19.597	ug/l	93
22) Diisopropyl ether	6.671	45	141369	17.810	ug/l	97
23) Vinyl Acetate	6.600	43	515118	92.835	ug/l	97
24) 1,1-Dichloroethane	6.565	63	80332	19.181	ug/l	97
25) 2-Butanone	7.477	43	141686	90.012	ug/l	96
26) 2,2-Dichloropropane	7.489	77	66100	17.627	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	53341	20.027	ug/l	94
28) Bromochloromethane	7.812	49	33538	18.886	ug/l	89
29) Tetrahydrofuran	7.841	42	93763	89.078	ug/l	95
30) Chloroform	7.965	83	82657	20.091	ug/l	96
31) Cyclohexane	8.253	56	73846	18.019	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	70453	20.018	ug/l	98
36) 1,1-Dichloropropene	8.365	75	58349	19.454	ug/l	99
37) Ethyl Acetate	7.553	43	58336	18.474	ug/l	100
38) Carbon Tetrachloride	8.359	117	58441	20.460	ug/l	98
39) Methylcyclohexane	9.594	83	66279	18.591	ug/l	96
40) Benzene	8.600	78	189893	19.760	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086491.D
Acq On : 05 May 2025 17:13
Operator : JC\MD
Sample : VN0505MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 06 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	30742	16.798	ug/l		91
42) 1,2-Dichloroethane	8.665	62	62197	20.296	ug/l		99
43) Isopropyl Acetate	8.683	43	111105	18.158	ug/l		99
44) Trichloroethene	9.347	130	47059	20.660	ug/l		91
45) 1,2-Dichloropropane	9.618	63	44946	19.107	ug/l		96
46) Dibromomethane	9.706	93	31240	20.843	ug/l		95
47) Bromodichloromethane	9.883	83	66389	20.509	ug/l		96
48) Methyl methacrylate	9.677	41	49116	17.712	ug/l		95
49) 1,4-Dioxane	9.694	88	18848	399.585	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	305173	94.377	ug/l		99
52) Toluene	10.630	92	121786	20.310	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	68916	19.072	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	74892	18.870	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	44752	20.743	ug/l		99
56) Ethyl methacrylate	10.871	69	73957	18.649	ug/l		97
57) 1,3-Dichloropropane	11.159	76	77843	20.336	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	156596	83.197	ug/l		97
59) 2-Hexanone	11.194	43	228224	95.155	ug/l		100
60) Dibromochloromethane	11.353	129	49609	20.940	ug/l		99
61) 1,2-Dibromoethane	11.465	107	45714	21.000	ug/l		100
64) Tetrachloroethene	11.100	164	48146	21.289	ug/l		94
65) Chlorobenzene	11.888	112	134455	20.492	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	44341	20.485	ug/l		100
67) Ethyl Benzene	11.959	91	243976	20.606	ug/l		99
68) m/p-Xylenes	12.065	106	182606	41.161	ug/l		97
69) o-Xylene	12.394	106	89754	20.458	ug/l		97
70) Styrene	12.406	104	146108	19.987	ug/l		99
71) Bromoform	12.576	173	32058	19.671	ug/l	#	99
73) Isopropylbenzene	12.694	105	218515	19.432	ug/l		98
74) N-amyl acetate	12.488	43	94007	16.792	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	63276	19.570	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	61399m	18.926	ug/l		
77) Bromobenzene	12.976	156	53295	21.389	ug/l		91
78) n-propylbenzene	13.029	91	256242	19.337	ug/l		100
79) 2-Chlorotoluene	13.124	91	160710	19.382	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	181334	19.702	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	23223	17.192	ug/l		96
82) 4-Chlorotoluene	13.218	91	158679	19.265	ug/l		97
83) tert-Butylbenzene	13.435	119	157263	19.719	ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	184046	19.645	ug/l		100
85) sec-Butylbenzene	13.612	105	216273	19.551	ug/l		100
86) p-Isopropyltoluene	13.723	119	178716	19.601	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	95175	20.319	ug/l		97
88) 1,4-Dichlorobenzene	13.806	146	95409	20.223	ug/l		100
89) n-Butylbenzene	14.053	91	152279	18.842	ug/l		99
90) Hexachloroethane	14.329	117	28745	18.743	ug/l		96
91) 1,2-Dichlorobenzene	14.100	146	92093	20.279	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11468	17.590	ug/l		90
93) 1,2,4-Trichlorobenzene	15.388	180	41192	18.943	ug/l		99
94) Hexachlorobutadiene	15.500	225	15115	18.414	ug/l		98
95) Naphthalene	15.635	128	388428	50.390	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	39310	19.094	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086491.D
Acq On : 05 May 2025 17:13
Operator : JC\MD
Sample : VN0505MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 06 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

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

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

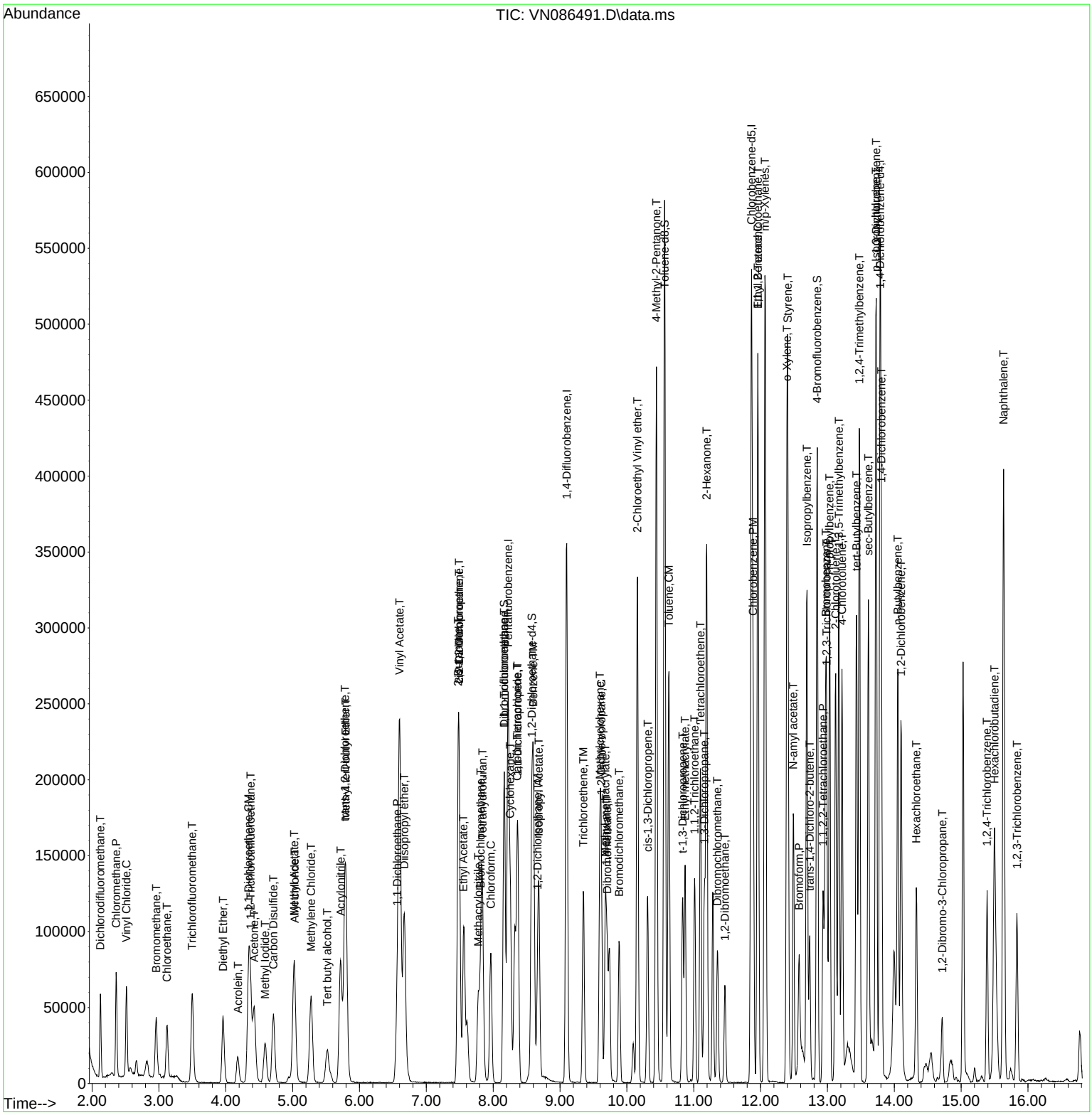
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086491.D
Acq On : 05 May 2025 17:13
Operator : JC\MD
Sample : VN0505MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 06 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086515.D
Acq On : 06 May 2025 15:23
Operator : JC\MD
Sample : VN0506MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 07 02:55:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	186931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	334765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131666	48.573	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.140%			
35) Dibromofluoromethane	8.165	113	89652	57.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.400%			
50) Toluene-d8	10.565	98	417017	50.221	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.440%			
62) 4-Bromofluorobenzene	12.847	95	142861	47.169	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	37722	17.023	ug/l	99
3) Chloromethane	2.359	50	47570	14.771	ug/l	100
4) Vinyl Chloride	2.518	62	48679	15.840	ug/l	99
5) Bromomethane	2.959	94	28857	20.875	ug/l	94
6) Chloroethane	3.124	64	33294	16.187	ug/l	96
7) Trichlorofluoromethane	3.501	101	63968	18.791	ug/l	99
8) Diethyl Ether	3.959	74	24936	16.779	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	38925	18.902	ug/l	99
10) Methyl Iodide	4.589	142	45616	20.148	ug/l	97
11) Tert butyl alcohol	5.512	59	41804	84.524	ug/l	97
12) 1,1-Dichloroethene	4.342	96	37558	17.071	ug/l	97
13) Acrolein	4.177	56	25741	102.726	ug/l	95
14) Allyl chloride	5.018	41	54227	13.865	ug/l	91
15) Acrylonitrile	5.718	53	102769	84.055	ug/l	100
16) Acetone	4.430	43	84780	86.735	ug/l	99
17) Carbon Disulfide	4.712	76	98094	14.890	ug/l	98
18) Methyl Acetate	5.024	43	50791	15.610	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	139071	17.196	ug/l	95
20) Methylene Chloride	5.277	84	45402	18.118	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	41035	17.840	ug/l	90
22) Diisopropyl ether	6.665	45	132768	15.605	ug/l	95
23) Vinyl Acetate	6.600	43	485911	81.697	ug/l	98
24) 1,1-Dichloroethane	6.565	63	76514	17.044	ug/l	98
25) 2-Butanone	7.483	43	134623	79.788	ug/l	94
26) 2,2-Dichloropropane	7.483	77	67580	16.813	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	50669	17.748	ug/l	95
28) Bromochloromethane	7.812	49	33407	17.551	ug/l	85
29) Tetrahydrofuran	7.836	42	89191	79.051	ug/l	94
30) Chloroform	7.959	83	81472	18.475	ug/l	98
31) Cyclohexane	8.253	56	69881	15.908	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	71397	18.926	ug/l	95
36) 1,1-Dichloropropene	8.371	75	56250	18.126	ug/l	98
37) Ethyl Acetate	7.559	43	55641	17.031	ug/l	99
38) Carbon Tetrachloride	8.359	117	59000	19.964	ug/l	99
39) Methylcyclohexane	9.600	83	63530	17.224	ug/l	96
40) Benzene	8.600	78	182406	18.346	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086515.D
Acq On : 06 May 2025 15:23
Operator : JC\MD
Sample : VN0506MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 07 02:55:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	29311	15.480	ug/l		91
42) 1,2-Dichloroethane	8.671	62	60715	19.149	ug/l		100
43) Isopropyl Acetate	8.683	43	110687	17.407	ug/l		98
44) Trichloroethene	9.347	130	46102	19.563	ug/l		96
45) 1,2-Dichloropropane	9.618	63	42544	17.481	ug/l		97
46) Dibromomethane	9.706	93	30758	19.835	ug/l		95
47) Bromodichloromethane	9.882	83	63533	18.970	ug/l		97
48) Methyl methacrylate	9.677	41	45829	15.974	ug/l		93
49) 1,4-Dioxane	9.688	88	17877	366.317	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.441	43	294698	88.088	ug/l		99
52) Toluene	10.629	92	117697	18.971	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	67999	18.188	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	71768	17.477	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	43240	19.372	ug/l		98
56) Ethyl methacrylate	10.871	69	71193	17.352	ug/l		98
57) 1,3-Dichloropropane	11.159	76	74092	18.709	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	142910	73.385	ug/l		95
59) 2-Hexanone	11.194	43	215334	86.777	ug/l		100
60) Dibromochloromethane	11.353	129	47427	19.349	ug/l		100
61) 1,2-Dibromoethane	11.465	107	44506	19.761	ug/l		99
64) Tetrachloroethene	11.100	164	44136	19.563	ug/l		92
65) Chlorobenzene	11.888	112	127286	19.446	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	43186	19.999	ug/l		99
67) Ethyl Benzene	11.959	91	221649	18.765	ug/l		100
68) m/p-Xylenes	12.071	106	169269	38.246	ug/l		96
69) o-Xylene	12.394	106	85449	19.523	ug/l		94
70) Styrene	12.406	104	137352	18.834	ug/l		99
71) Bromoform	12.576	173	30798	18.943	ug/l	#	99
73) Isopropylbenzene	12.694	105	207336	19.277	ug/l		100
74) N-amyl acetate	12.488	43	87445	16.331	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	61023	19.732	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	62840m	20.252	ug/l		
77) Bromobenzene	12.976	156	49109	20.606	ug/l		89
78) n-propylbenzene	13.035	91	234190	18.477	ug/l		99
79) 2-Chlorotoluene	13.123	91	149382	18.835	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	165809	18.835	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	24481	18.948	ug/l		87
82) 4-Chlorotoluene	13.218	91	146156	18.552	ug/l		98
83) tert-Butylbenzene	13.435	119	145403	19.062	ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	168561	18.811	ug/l		100
85) sec-Butylbenzene	13.612	105	197232	18.641	ug/l		98
86) p-Isopropyltoluene	13.723	119	162051	18.582	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	89107	19.890	ug/l		97
88) 1,4-Dichlorobenzene	13.806	146	88706	19.658	ug/l		98
89) n-Butylbenzene	14.053	91	134002	17.335	ug/l		98
90) Hexachloroethane	14.329	117	26821	18.284	ug/l		96
91) 1,2-Dichlorobenzene	14.100	146	85298	19.638	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.712	75	11486	18.420	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	39203	18.849	ug/l		99
94) Hexachlorobutadiene	15.500	225	15090	19.220	ug/l		97
95) Naphthalene	15.635	128	135759	18.413	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	38632	19.619	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086515.D
Acq On : 06 May 2025 15:23
Operator : JC\MD
Sample : VN0506MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 07 02:55:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

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

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

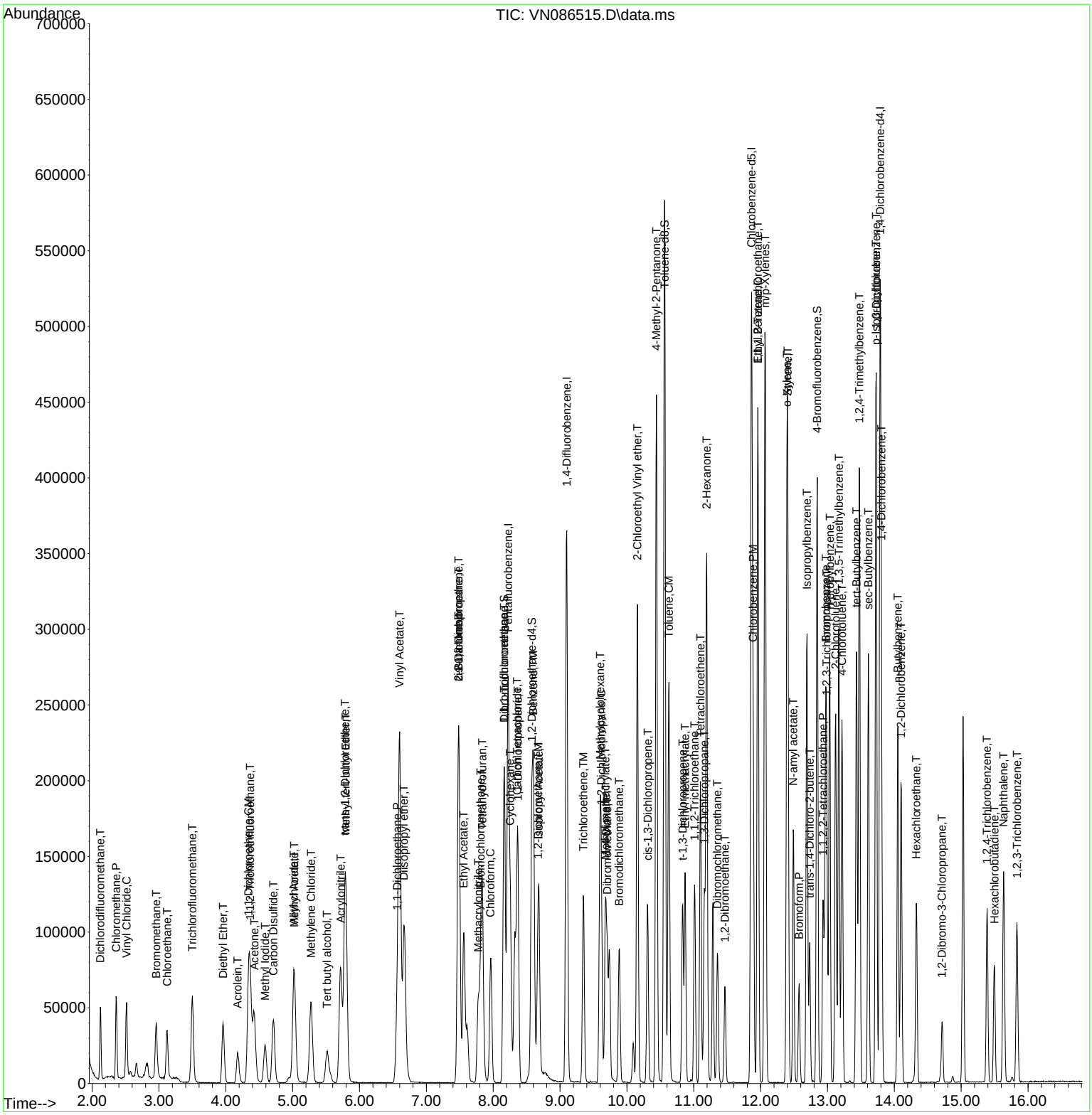
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086515.D
Acq On : 06 May 2025 15:23
Operator : JC\MD
Sample : VN0506MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 07 02:55:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086557.D
Acq On : 09 May 2025 12:57
Operator : JC\MD
Sample : VN0509MBS02
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 09 23:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	176403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120415	47.074	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.140%			
35) Dibromofluoromethane	8.165	113	89453	61.310	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 122.620%			
50) Toluene-d8	10.565	98	366182	46.960	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.920%			
62) 4-Bromofluorobenzene	12.847	95	135313	47.575	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	40105	19.179	ug/l	98
3) Chloromethane	2.359	50	51058	16.800	ug/l	97
4) Vinyl Chloride	2.518	62	49017	16.901	ug/l	99
5) Bromomethane	2.959	94	29435	22.564	ug/l	97
6) Chloroethane	3.124	64	32412	16.699	ug/l	93
7) Trichlorofluoromethane	3.500	101	59251	18.444	ug/l	94
8) Diethyl Ether	3.959	74	25129	17.918	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	36006	18.528	ug/l	96
10) Methyl Iodide	4.589	142	44123	20.651	ug/l	96
11) Tert butyl alcohol	5.512	59	38589	82.680	ug/l	99
12) 1,1-Dichloroethene	4.342	96	35385	17.043	ug/l	95
13) Acrolein	4.177	56	22939	96.114	ug/l	99
14) Allyl chloride	5.024	41	50401	13.655	ug/l	93
15) Acrylonitrile	5.718	53	99876	86.565	ug/l	99
16) Acetone	4.418	43	81217	88.137	ug/l	99
17) Carbon Disulfide	4.712	76	101679	16.356	ug/l	99
18) Methyl Acetate	5.024	43	42834	13.950	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	134739	17.654	ug/l	97
20) Methylene Chloride	5.277	84	44201	18.691	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	39497	18.196	ug/l	93
22) Diisopropyl ether	6.671	45	129809	16.167	ug/l	95
23) Vinyl Acetate	6.600	43	490423	87.376	ug/l	96
24) 1,1-Dichloroethane	6.565	63	72385	17.086	ug/l	99
25) 2-Butanone	7.477	43	131412	82.534	ug/l	98
26) 2,2-Dichloropropane	7.488	77	65202	17.190	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	48720	18.084	ug/l	95
28) Bromochloromethane	7.812	49	34462	19.185	ug/l	89
29) Tetrahydrofuran	7.835	42	86842	81.562	ug/l	96
30) Chloroform	7.965	83	75911	18.241	ug/l	96
31) Cyclohexane	8.253	56	66282	15.989	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	64660	18.163	ug/l	97
36) 1,1-Dichloropropene	8.371	75	53357	18.309	ug/l	97
37) Ethyl Acetate	7.553	43	55250	18.008	ug/l	97
38) Carbon Tetrachloride	8.359	117	54557	19.658	ug/l	96
39) Methylcyclohexane	9.594	83	61817	17.846	ug/l	96
40) Benzene	8.600	78	174349	18.673	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086557.D
Acq On : 09 May 2025 12:57
Operator : JC\MD
Sample : VN0509MBS02
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 09 23:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	28768	16.179	ug/l		92
42) 1,2-Dichloroethane	8.665	62	58546	19.663	ug/l		100
43) Isopropyl Acetate	8.682	43	101359	16.922	ug/l		99
44) Trichloroethene	9.347	130	43403	19.613	ug/l		97
45) 1,2-Dichloropropane	9.618	63	41247	18.047	ug/l		99
46) Dibromomethane	9.706	93	29800	20.464	ug/l		96
47) Bromodichloromethane	9.888	83	59907	19.047	ug/l		98
48) Methyl methacrylate	9.676	41	43601	16.183	ug/l		93
49) 1,4-Dioxane	9.694	88	18022	393.245	ug/l		93
51) 4-Methyl-2-Pentanone	10.441	43	276921	88.144	ug/l		98
52) Toluene	10.629	92	112667	19.339	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	65643	18.697	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	69616	18.053	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	42434	20.244	ug/l		97
56) Ethyl methacrylate	10.871	69	69776	18.109	ug/l		97
57) 1,3-Dichloropropane	11.159	76	72338	19.451	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	158705	86.782	ug/l		96
59) 2-Hexanone	11.194	43	203276	87.232	ug/l		98
60) Dibromochloromethane	11.359	129	46325	20.126	ug/l		98
61) 1,2-Dibromoethane	11.465	107	42203	19.954	ug/l		99
64) Tetrachloroethene	11.100	164	43012	19.474	ug/l		98
65) Chlorobenzene	11.888	112	125844	19.639	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	41088	19.436	ug/l		98
67) Ethyl Benzene	11.959	91	212145	18.346	ug/l		100
68) m/p-Xylenes	12.070	106	166628	38.457	ug/l		96
69) o-Xylene	12.394	106	80992	18.902	ug/l		98
70) Styrene	12.406	104	134117	18.785	ug/l		99
71) Bromoform	12.576	173	29834	18.744	ug/l	#	100
73) Isopropylbenzene	12.694	105	195841	18.318	ug/l		99
74) N-amyl acetate	12.488	43	86254	16.206	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	59745	19.435	ug/l		97
76) 1,2,3-Trichloropropane	12.988	75	56573m	18.342	ug/l		
77) Bromobenzene	12.976	156	48537	20.489	ug/l		90
78) n-propylbenzene	13.029	91	230450	18.292	ug/l		100
79) 2-Chlorotoluene	13.123	91	145004	18.394	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	158448	18.107	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.735	75	19983	15.560	ug/l		95
82) 4-Chlorotoluene	13.217	91	146285	18.680	ug/l		99
83) tert-Butylbenzene	13.435	119	138752	18.300	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	163682	18.376	ug/l		99
85) sec-Butylbenzene	13.612	105	194779	18.520	ug/l		99
86) p-Isopropyltoluene	13.723	119	159208	18.366	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	86802	19.492	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	87298	19.463	ug/l		99
89) n-Butylbenzene	14.053	91	135575	17.644	ug/l		99
90) Hexachloroethane	14.329	117	25547	17.521	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	82749	19.166	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10408	16.792	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	38802	18.768	ug/l		98
94) Hexachlorobutadiene	15.494	225	14556	18.651	ug/l		98
95) Naphthalene	15.635	128	126675	17.285	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	37230	19.021	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086557.D
Acq On : 09 May 2025 12:57
Operator : JC\MD
Sample : VN0509MBS02
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 09 23:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

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

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

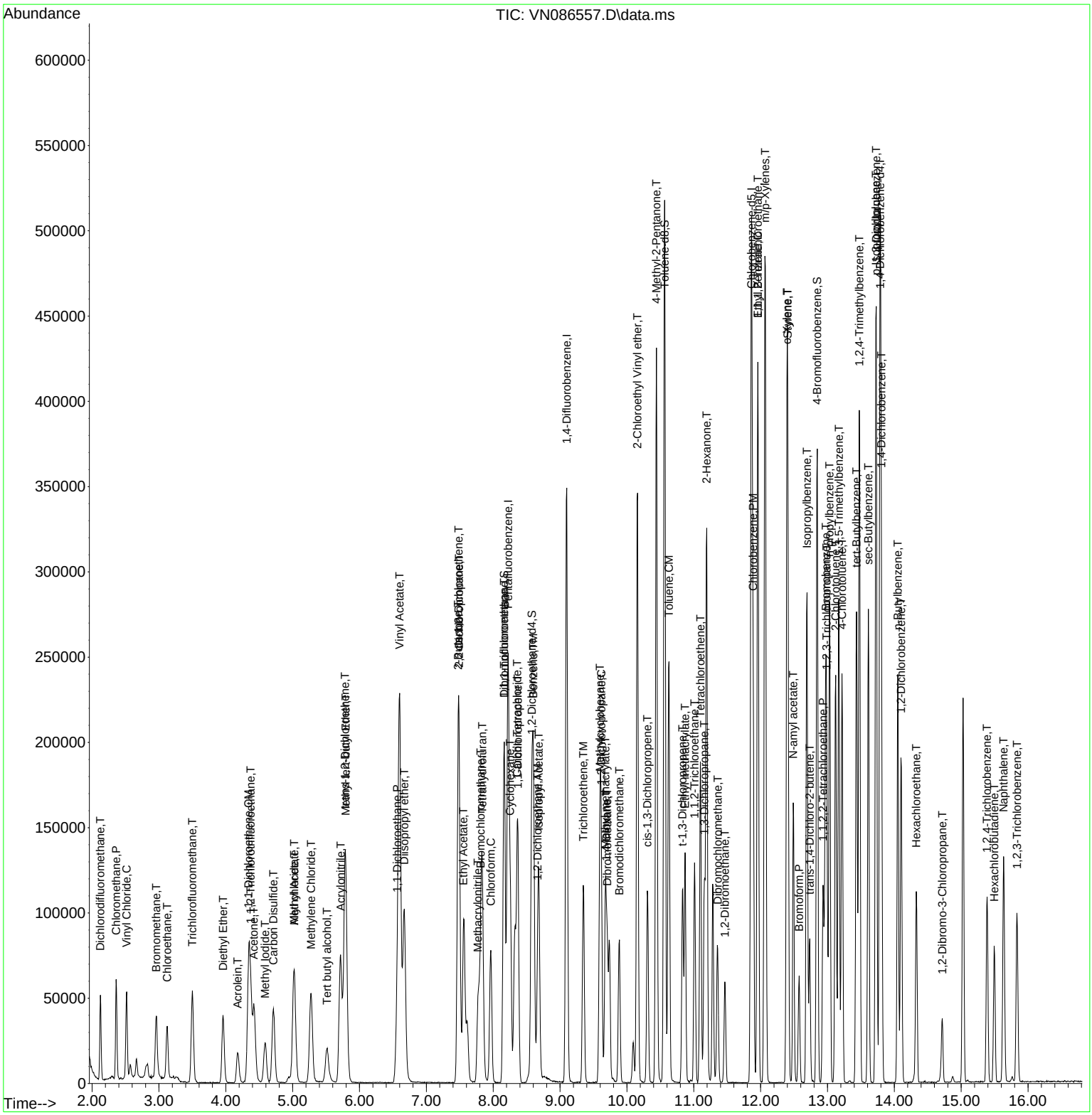
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086557.D
Acq On : 09 May 2025 12:57
Operator : JC\MD
Sample : VN0509MBS02
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 09 23:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022121.D
Acq On : 02 May 2025 11:53
Operator : SY/MD
Sample : VY0502SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 03 02:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	354744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	565281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	507664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	264963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	166647	50.858	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.720%			
35) Dibromofluoromethane	7.634	113	183068	49.020	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.040%			
50) Toluene-d8	10.109	98	684444	48.614	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.220%			
62) 4-Bromofluorobenzene	12.408	95	239526	50.537	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	57886	19.150	ug/l	98
3) Chloromethane	2.062	50	81523	18.941	ug/l	97
4) Vinyl Chloride	2.202	62	100852	19.068	ug/l	98
5) Bromomethane	2.586	94	97825	21.468	ug/l	99
6) Chloroethane	2.732	64	71214	19.770	ug/l	100
7) Trichlorofluoromethane	3.049	101	144233	20.680	ug/l	94
8) Diethyl Ether	3.452	74	35831	19.738	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	74823	19.776	ug/l	98
10) Methyl Iodide	4.000	142	85923	19.615	ug/l	99
11) Tert butyl alcohol	4.878	59	19620	109.068	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	71307	20.220	ug/l	98
13) Acrolein	3.653	56	23126	71.627	ug/l	100
14) Allyl chloride	4.378	41	80776	19.671	ug/l	96
15) Acrylonitrile	5.061	53	66505	100.073	ug/l	98
16) Acetone	3.879	43	51212	107.204	ug/l	98
17) Carbon Disulfide	4.098	76	212485	18.897	ug/l	99
18) Methyl Acetate	4.391	43	33662	21.992	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	170057	21.545	ug/l	98
20) Methylene Chloride	4.610	84	91148	21.999	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	78899	19.977	ug/l	96
22) Diisopropyl ether	6.018	45	187601	20.530	ug/l	98
23) Vinyl Acetate	5.957	43	504757	102.493	ug/l	99
24) 1,1-Dichloroethane	5.915	63	129022	20.369	ug/l	98
25) 2-Butanone	6.896	43	75541	101.138	ug/l	97
26) 2,2-Dichloropropane	6.884	77	118480	21.341	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	92749	21.002	ug/l	99
28) Bromochloromethane	7.244	49	48108	19.554	ug/l	96
29) Tetrahydrofuran	7.262	42	48573	100.129	ug/l	95
30) Chloroform	7.421	83	147137	20.942	ug/l	100
31) Cyclohexane	7.701	56	105256	19.432	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	134886	21.220	ug/l	100
36) 1,1-Dichloropropene	7.835	75	98847	19.704	ug/l	99
37) Ethyl Acetate	6.988	43	34180	18.971	ug/l	96
38) Carbon Tetrachloride	7.817	117	121447	20.260	ug/l	99
39) Methylcyclohexane	9.109	83	121885	19.307	ug/l	93
40) Benzene	8.079	78	311953	19.893	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022121.D
Acq On : 02 May 2025 11:53
Operator : SY/MD
Sample : VY0502SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 03 02:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	16961	17.221	ug/l	#	82
42) 1,2-Dichloroethane	8.158	62	80565	20.751	ug/l		100
43) Isopropyl Acetate	8.201	43	70200	20.289	ug/l		100
44) Trichloroethene	8.859	130	89268	20.552	ug/l		99
45) 1,2-Dichloropropane	9.140	63	69434	20.022	ug/l		100
46) Dibromomethane	9.231	93	43982	20.260	ug/l		99
47) Bromodichloromethane	9.420	83	111185	20.502	ug/l		98
48) Methyl methacrylate	9.219	41	32090	20.063	ug/l		95
49) 1,4-Dioxane	9.237	88	9120	394.162	ug/l		92
51) 4-Methyl-2-Pentanone	9.999	43	184264	101.592	ug/l		100
52) Toluene	10.170	92	203618	20.060	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	95584	20.548	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	115689	20.922	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	59394	20.482	ug/l		97
56) Ethyl methacrylate	10.438	69	66957	20.192	ug/l		99
57) 1,3-Dichloropropane	10.719	76	94229	20.270	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	164730	101.602	ug/l		98
59) 2-Hexanone	10.761	43	120323	100.577	ug/l		98
60) Dibromochloromethane	10.914	129	81972	20.418	ug/l		99
61) 1,2-Dibromoethane	11.011	107	56428	20.613	ug/l		99
64) Tetrachloroethene	10.646	164	100760	21.039	ug/l		98
65) Chlorobenzene	11.438	112	228639	20.140	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	80424	20.122	ug/l		99
67) Ethyl Benzene	11.517	91	372440	20.055	ug/l		100
68) m/p-Xylenes	11.627	106	300786	40.702	ug/l		98
69) o-Xylene	11.956	106	140163	20.578	ug/l		99
70) Styrene	11.969	104	231602	20.252	ug/l		98
71) Bromoform	12.133	173	46777	20.130	ug/l	#	99
73) Isopropylbenzene	12.255	105	369894	20.895	ug/l		99
74) N-amyl acetate	12.072	43	59125	19.440	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	59396	19.901	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	44605m	19.654	ug/l		
77) Bromobenzene	12.529	156	91180	20.384	ug/l		98
78) n-propylbenzene	12.597	91	433660	20.571	ug/l		100
79) 2-Chlorotoluene	12.676	91	254117	20.727	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	303111	20.781	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	19433	20.620	ug/l		95
82) 4-Chlorotoluene	12.779	91	267084	20.956	ug/l		100
83) tert-Butylbenzene	12.999	119	271912	20.786	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	306138	20.984	ug/l		99
85) sec-Butylbenzene	13.176	105	401071	20.953	ug/l		100
86) p-Isopropyltoluene	13.292	119	335780	20.658	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	183709	20.221	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	180678	20.080	ug/l		99
89) n-Butylbenzene	13.615	91	293579	20.207	ug/l		99
90) Hexachloroethane	13.883	117	73402	20.554	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	155776	19.659	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9881	20.809	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	90083	20.062	ug/l		99
94) Hexachlorobutadiene	15.023	225	53472	19.355	ug/l		99
95) Naphthalene	15.145	128	151232	20.275	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	76352	19.698	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022121.D
Acq On : 02 May 2025 11:53
Operator : SY/MD
Sample : VY0502SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 03 02:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

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

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

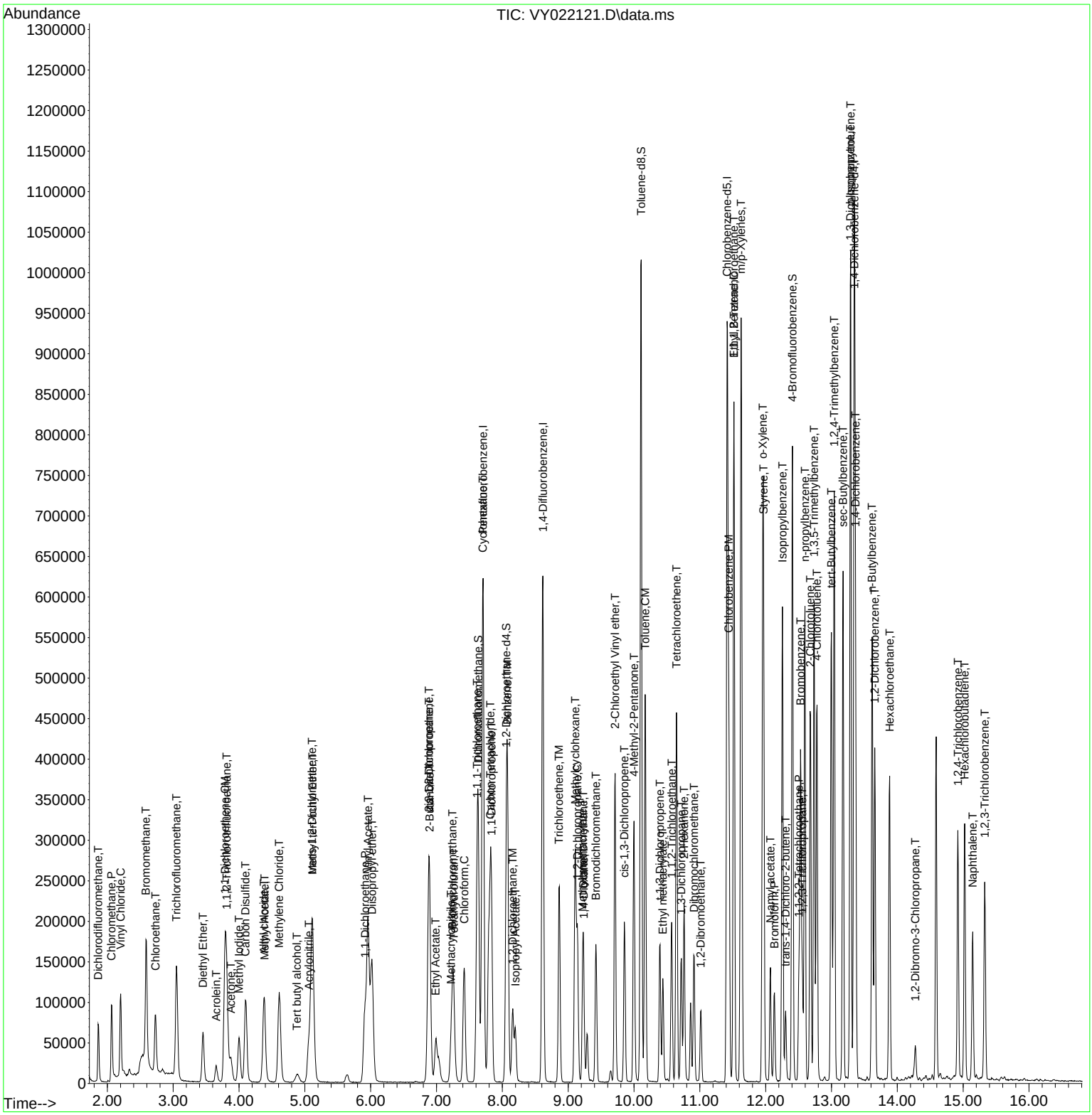
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022121.D
Acq On : 02 May 2025 11:53
Operator : SY/MD
Sample : VY0502SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 03 02:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022122.D
Acq On : 02 May 2025 12:16
Operator : SY/MD
Sample : VY0502SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 03 02:49:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	344715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	551563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	493162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	257067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165590	52.006	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.020%			
35) Dibromofluoromethane	7.634	113	183735	50.422	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.840%			
50) Toluene-d8	10.103	98	683203	49.732	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.460%			
62) 4-Bromofluorobenzene	12.402	95	237256	51.303	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	58759	20.004	ug/l	97
3) Chloromethane	2.062	50	78884	18.861	ug/l	99
4) Vinyl Chloride	2.202	62	97609	18.992	ug/l	98
5) Bromomethane	2.592	94	86842	19.612	ug/l	99
6) Chloroethane	2.733	64	65931	18.836	ug/l	97
7) Trichlorofluoromethane	3.056	101	138395	20.420	ug/l	96
8) Diethyl Ether	3.452	74	36730	20.822	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	73426	19.972	ug/l	99
10) Methyl Iodide	4.001	142	88456	20.781	ug/l	98
11) Tert butyl alcohol	4.866	59	19919	113.951	ug/l #	85
12) 1,1-Dichloroethene	3.787	96	70294	20.513	ug/l	98
13) Acrolein	3.653	56	23052	73.475	ug/l	99
14) Allyl chloride	4.379	41	80453	20.163	ug/l	97
15) Acrylonitrile	5.055	53	65284	101.093	ug/l	99
16) Acetone	3.873	43	47790	102.025	ug/l	95
17) Carbon Disulfide	4.104	76	210707	19.284	ug/l	98
18) Methyl Acetate	4.391	43	33435	22.480	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	166734	21.739	ug/l	96
20) Methylene Chloride	4.616	84	90624	22.509	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	78170	20.368	ug/l	96
22) Diisopropyl ether	6.013	45	186290	20.979	ug/l	95
23) Vinyl Acetate	5.958	43	497049	103.864	ug/l	99
24) 1,1-Dichloroethane	5.915	63	128318	20.848	ug/l	97
25) 2-Butanone	6.896	43	73535	101.317	ug/l	99
26) 2,2-Dichloropropane	6.884	77	117477	21.776	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	91389	21.297	ug/l	100
28) Bromochloromethane	7.244	49	45479	19.023	ug/l	93
29) Tetrahydrofuran	7.262	42	48577	103.050	ug/l	98
30) Chloroform	7.421	83	143608	21.034	ug/l	99
31) Cyclohexane	7.701	56	104761	19.903	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	133715	21.648	ug/l	100
36) 1,1-Dichloropropene	7.835	75	98647	20.154	ug/l	99
37) Ethyl Acetate	6.982	43	33878	19.271	ug/l	98
38) Carbon Tetrachloride	7.817	117	121143	20.712	ug/l	98
39) Methylcyclohexane	9.110	83	122389	19.869	ug/l	99
40) Benzene	8.079	78	309939	20.256	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022122.D
Acq On : 02 May 2025 12:16
Operator : SY/MD
Sample : VY0502SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 03 02:49:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.213	41	16614	17.288 ug/l #	85
42) 1,2-Dichloroethane	8.158	62	79104	20.881 ug/l	99
43) Isopropyl Acetate	8.195	43	67866	20.102 ug/l	98
44) Trichloroethene	8.866	130	86725	20.463 ug/l	95
45) 1,2-Dichloropropane	9.140	63	66037	19.516 ug/l	97
46) Dibromomethane	9.231	93	43094	20.345 ug/l	99
47) Bromodichloromethane	9.420	83	111022	20.981 ug/l	96
48) Methyl methacrylate	9.225	41	31006	19.867 ug/l	94
49) 1,4-Dioxane	9.231	88	8849	391.962 ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	182327	103.024 ug/l	98
52) Toluene	10.170	92	204974	20.695 ug/l	99
53) t-1,3-Dichloropropene	10.390	75	92881	20.464 ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	110434	20.469 ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	58541	20.690 ug/l	98
56) Ethyl methacrylate	10.439	69	65515	20.248 ug/l	98
57) 1,3-Dichloropropane	10.719	76	92172	20.321 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	156438	98.888 ug/l	98
59) 2-Hexanone	10.762	43	118083	101.159 ug/l	99
60) Dibromochloromethane	10.908	129	81393	20.778 ug/l	100
61) 1,2-Dibromoethane	11.012	107	55208	20.669 ug/l	100
64) Tetrachloroethene	10.646	164	99725	21.436 ug/l	97
65) Chlorobenzene	11.438	112	228588	20.727 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.512	131	80878	20.831 ug/l	99
67) Ethyl Benzene	11.518	91	369787	20.497 ug/l	99
68) m/p-Xylenes	11.627	106	301279	41.968 ug/l	100
69) o-Xylene	11.957	106	139615	21.101 ug/l	98
70) Styrene	11.969	104	232426	20.921 ug/l	98
71) Bromoform	12.133	173	45741	20.263 ug/l #	97
73) Isopropylbenzene	12.255	105	361924	21.073 ug/l	99
74) N-amyl acetate	12.066	43	60240	20.415 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	59280	20.472 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	43474m	19.744 ug/l	
77) Bromobenzene	12.530	156	91454	21.073 ug/l	99
78) n-propylbenzene	12.591	91	433304	21.185 ug/l	100
79) 2-Chlorotoluene	12.676	91	252306	21.211 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	302671	21.389 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	18769	20.527 ug/l	96
82) 4-Chlorotoluene	12.773	91	265731	21.491 ug/l	99
83) tert-Butylbenzene	12.999	119	270458	21.310 ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	299799	21.181 ug/l	99
85) sec-Butylbenzene	13.176	105	394082	21.220 ug/l	99
86) p-Isopropyltoluene	13.292	119	328226	20.813 ug/l	98
87) 1,3-Dichlorobenzene	13.286	146	182043	20.653 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	178654	20.465 ug/l	99
89) n-Butylbenzene	13.615	91	293721	20.838 ug/l	99
90) Hexachloroethane	13.877	117	71159	20.538 ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	156943	20.414 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9726	21.112 ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	89699	20.590 ug/l	97
94) Hexachlorobutadiene	15.023	225	54537	20.347 ug/l	99
95) Naphthalene	15.145	128	152140	21.023 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	78415	20.852 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022122.D
Acq On : 02 May 2025 12:16
Operator : SY/MD
Sample : VY0502SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 03 02:49:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

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

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

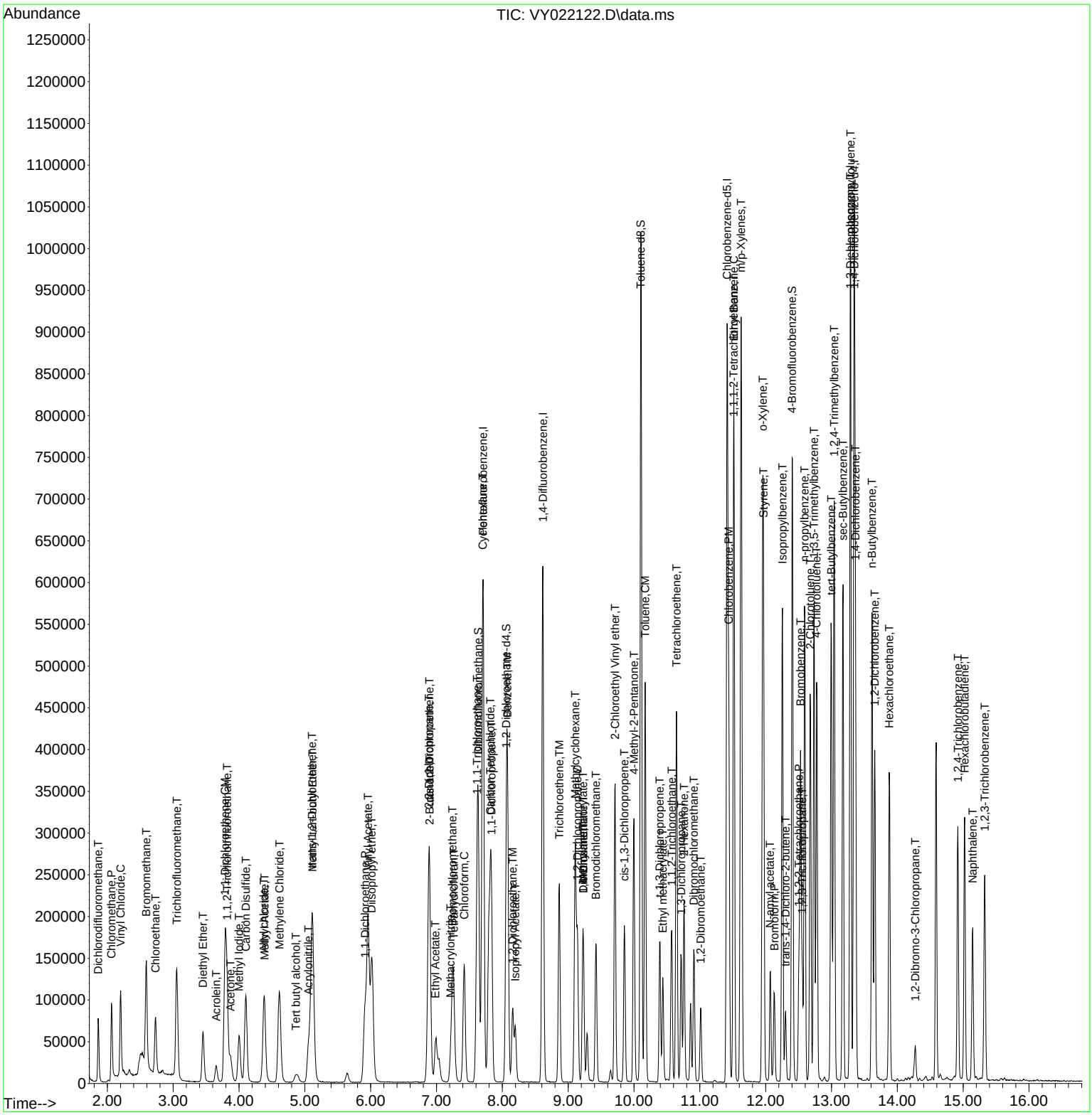
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022122.D
Acq On : 02 May 2025 12:16
Operator : SY/MD
Sample : VY0502SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 03 02:49:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



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

Manual Integration Report

Sequence:	VN041525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086277.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	1,4-Dichlorobenzene	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	Acetone	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	Vinyl Acetate	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	Allyl chloride	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	Vinyl Acetate	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN041525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN086282.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICC100	VN086282.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN050525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086478.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:56:49 AM	MMDadoda	5/6/2025 12:40:29 PM	Peak Integrated by Software
VN0505MBS01	VN086491.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:57:31 AM	MMDadoda	5/6/2025 12:40:34 PM	Peak Integrated by Software
VSTDCCC050	VN086502.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:57:41 AM	MMDadoda	5/6/2025 12:40:38 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn050625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086504.D	1,2,3-Trichloropropane	JOHN	5/7/2025 9:49:28 AM	MMDadoda	5/7/2025 1:28:59 PM	Peak Integrated by Software
VN0506MBS01	VN086515.D	1,2,3-Trichloropropane	JOHN	5/7/2025 9:50:03 AM	MMDadoda	5/7/2025 1:29:12 PM	Peak Integrated by Software
VSTDCCC050	VN086526.D	1,2,3-Trichloropropane	JOHN	5/7/2025 9:50:21 AM	MMDadoda	5/7/2025 1:29:26 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN050925	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086553.D	1,2,3-Trichloropropane	JOHN	5/12/2025 9:51:17 AM	MMDadoda	5/12/2025 1:58:14 PM	Peak Integrated by Software
VSTDCCC050	VN086553.D	trans-1,4-Dichloro-2-but ene	JOHN	5/12/2025 9:51:17 AM	MMDadoda	5/12/2025 1:58:14 PM	Peak Integrated by Software
VN0509MBS02	VN086557.D	1,2,3-Trichloropropane	JOHN	5/12/2025 9:51:26 AM	MMDadoda	5/12/2025 1:58:16 PM	Peak Integrated by Software
Q1939-03RE	VN086558.D	Naphthalene	JOHN	5/12/2025 9:51:31 AM	MMDadoda	5/12/2025 1:58:18 PM	Peak Integrated by Software
VSTDCCC050	VN086568.D	1,2,3-Trichloropropane	JOHN	5/12/2025 9:51:41 AM	MMDadoda	5/12/2025 1:58:23 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021953.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Ethyl Acetate	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Methacrylonitrile	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Tert butyl alcohol	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Ethyl Acetate	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Methacrylonitrile	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	Methacrylonitrile	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICCC050	VY021956.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:53 AM	MMDadoda	4/23/2025 1:29:11 PM	Peak Integrated by Software
VSTDICC100	VY021957.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:56 AM	MMDadoda	4/23/2025 1:29:15 PM	Peak Integrated by Software
VSTDICC150	VY021958.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:57 AM	MMDadoda	4/23/2025 1:29:19 PM	Peak Integrated by Software
VSTDICV050	VY021960.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:59 AM	MMDadoda	4/23/2025 1:29:23 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	vy050225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022119.D	1,2,3-Trichloropropane	Sam	5/5/2025 2:51:20 PM	MMDadoda	5/5/2025 2:58:23 PM	Peak Integrated by Software
VY0502SBS01	VY022121.D	1,2,3-Trichloropropane	Sam	5/5/2025 2:51:21 PM	MMDadoda	5/5/2025 2:58:24 PM	Peak Integrated by Software
VY0502SBSD01	VY022122.D	1,2,3-Trichloropropane	Sam	5/5/2025 2:51:23 PM	MMDadoda	5/5/2025 2:58:25 PM	Peak Integrated by Software
VSTDCCC050	VY022143.D	1,2,3-Trichloropropane	Sam	5/5/2025 2:51:25 PM	MMDadoda	5/5/2025 2:58:33 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM				
SubDirectory	VN041525	HP Acquire Method	MSVOA_N	HP Processing Method	82N041525W.M		

STD. NAME	STD REF.#
Tune/Reschk	VP133665
Initial Calibration Stds	VP133667,VP133668,VP133669,VP133670,VP133671,VP133672
CCC	
Internal Standard/PEM	VP131746
ICV/I.BLK	VP133673
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086276.D	15 Apr 2025 10:47	JC\MD	Ok
2	VSTDICC001	VN086277.D	15 Apr 2025 11:29	JC\MD	Ok,M
3	VSTDICC005	VN086278.D	15 Apr 2025 12:21	JC\MD	Ok,M
4	VSTDICC010	VN086279.D	15 Apr 2025 12:45	JC\MD	Ok,M
5	VSTDICC020	VN086280.D	15 Apr 2025 13:09	JC\MD	Ok,M
6	VSTDICCC050	VN086281.D	15 Apr 2025 13:51	JC\MD	Ok,M
7	VSTDICC100	VN086282.D	15 Apr 2025 14:29	JC\MD	Ok,M
8	VIBLK	VN086283.D	15 Apr 2025 15:06	JC\MD	Ok
9	VSTDICV050	VN086284.D	15 Apr 2025 15:30	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM		
SubDirectory	VN050525	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133808
Initial Calibration Stds	
CCC	VP133809,VP133810
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086477.D	05 May 2025 10:23	JC\MD	Ok
2	VSTDCCC050	VN086478.D	05 May 2025 11:32	JC\MD	Ok,M
3	VN0505MBL01	VN086479.D	05 May 2025 12:13	JC\MD	Ok
4	VN0505WBL01	VN086480.D	05 May 2025 12:38	JC\MD	Ok
5	VN0505WBS01	VN086481.D	05 May 2025 13:02	JC\MD	Ok,M
6	VN0505WBSD01	VN086482.D	05 May 2025 13:36	JC\MD	Ok,M
7	IBLK	VN086483.D	05 May 2025 14:00	JC\MD	Ok
8	Q1942-01	VN086484.D	05 May 2025 14:24	JC\MD	Ok
9	Q1942-02	VN086485.D	05 May 2025 14:48	JC\MD	Ok
10	Q1942-03	VN086486.D	05 May 2025 15:12	JC\MD	Ok
11	Q1942-04	VN086487.D	05 May 2025 15:36	JC\MD	Ok
12	Q1956-07	VN086488.D	05 May 2025 16:00	JC\MD	Ok
13	Q1929-05RE	VN086489.D	05 May 2025 16:25	JC\MD	Confirms
14	Q1929-09RE	VN086490.D	05 May 2025 16:49	JC\MD	Confirms
15	VN0505MBS01	VN086491.D	05 May 2025 17:13	JC\MD	Ok,M
16	VN0505MBSD01	VN086492.D	05 May 2025 17:37	JC\MD	Ok,M
17	Q1914-06ME	VN086493.D	05 May 2025 18:01	JC\MD	Not Ok
18	Q1914-07MEDL	VN086494.D	05 May 2025 18:25	JC\MD	Ok
19	Q1914-08DL	VN086495.D	05 May 2025 18:49	JC\MD	Ok
20	Q1914-09MEDL	VN086496.D	05 May 2025 19:14	JC\MD	Ok
21	Q1914-12	VN086497.D	05 May 2025 19:38	JC\MD	Not Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM		
SubDirectory	VN050525	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133808
Initial Calibration Stds	
CCC	VP133809,VP133810
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	IBLK	VN086498.D	05 May 2025 20:02	JC\MD	Ok
23	Q1939-03	VN086499.D	05 May 2025 20:26	JC\MD	Not Ok
24	Q1939-06	VN086500.D	05 May 2025 20:50	JC\MD	Ok
25	IBLK	VN086501.D	05 May 2025 21:14	JC\MD	Ok
26	VSTDCCC050	VN086502.D	05 May 2025 21:38	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM		
SubDirectory	VN050625	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133826
Initial Calibration Stds	
CCC	VP133827,VP133828
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086503.D	06 May 2025 09:13	JC\MD	Ok
2	VSTDCCC050	VN086504.D	06 May 2025 10:35	JC\MD	Ok,M
3	VN0506MBL01	VN086505.D	06 May 2025 11:11	JC\MD	Ok
4	VN0506WBL01	VN086506.D	06 May 2025 11:35	JC\MD	Ok
5	VN0506WBS01	VN086507.D	06 May 2025 11:59	JC\MD	Ok,M
6	VN0506WBSD01	VN086508.D	06 May 2025 12:34	JC\MD	Ok,M
7	Q1947-04	VN086509.D	06 May 2025 12:58	JC\MD	Ok
8	Q1947-08	VN086510.D	06 May 2025 13:22	JC\MD	Ok
9	Q1951-04	VN086511.D	06 May 2025 13:46	JC\MD	Ok,M
10	Q1956-05	VN086512.D	06 May 2025 14:11	JC\MD	Ok,M
11	Q1959-02	VN086513.D	06 May 2025 14:35	JC\MD	Ok,M
12	Q1960-03	VN086514.D	06 May 2025 14:59	JC\MD	Ok,M
13	VN0506MBS01	VN086515.D	06 May 2025 15:23	JC\MD	Ok,M
14	VN0506MBSD01	VN086516.D	06 May 2025 15:47	JC\MD	Ok,M
15	Q1939-03	VN086517.D	06 May 2025 16:11	JC\MD	ReRun
16	Q1914-06ME	VN086518.D	06 May 2025 16:35	JC\MD	Ok
17	Q1914-07ME	VN086519.D	06 May 2025 16:59	JC\MD	Dilution
18	Q1914-08	VN086520.D	06 May 2025 17:23	JC\MD	Dilution
19	Q1914-09ME	VN086521.D	06 May 2025 17:48	JC\MD	Dilution
20	Q1966-03	VN086522.D	06 May 2025 18:12	JC\MD	ReRun
21	IBLK	VN086523.D	06 May 2025 18:36	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM		
SubDirectory	VN050625	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133826
Initial Calibration Stds	
CCC	VP133827,VP133828
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	IBLK	VN086524.D	06 May 2025 19:00	JC\MD	Ok
23	IBLK	VN086525.D	06 May 2025 19:24	JC\MD	Ok
24	VSTDCCC050	VN086526.D	06 May 2025 19:48	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050925

Review By	John Carlone	Review On	5/12/2025 9:52:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/12/2025 1:58:31 PM		
SubDirectory	VN050925	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133876
Initial Calibration Stds	
CCC	VP133877,VP133878
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086552.D	09 May 2025 09:49	JC\MD	Ok
2	VSTDCCC050	VN086553.D	09 May 2025 11:00	JC\MD	Ok,M
3	VN0509MBL01	VN086554.D	09 May 2025 11:34	JC\MD	Ok
4	VN0509WBL01	VN086555.D	09 May 2025 11:58	JC\MD	Ok
5	VN0509MBS01	VN086556.D	09 May 2025 12:22	JC\MD	Not Ok
6	VN0509MBS02	VN086557.D	09 May 2025 12:57	JC\MD	Ok,M
7	Q1939-03RE	VN086558.D	09 May 2025 13:31	JC\MD	Confirms
8	Q1980-04	VN086559.D	09 May 2025 13:55	JC\MD	Dilution
9	Q1980-05	VN086560.D	09 May 2025 14:19	JC\MD	ReRun
10	IBLK	VN086561.D	09 May 2025 14:43	JC\MD	Ok
11	IBLK	VN086562.D	09 May 2025 15:07	JC\MD	Ok
12	Q1980-04DL	VN086563.D	09 May 2025 15:31	JC\MD	Dilution
13	IBLK	VN086564.D	09 May 2025 16:08	JC\MD	Ok
14	IBLK	VN086565.D	09 May 2025 16:32	JC\MD	Ok
15	Q1980-05	VN086566.D	09 May 2025 16:56	JC\MD	Ok
16	Q1980-04DL2	VN086567.D	09 May 2025 17:20	JC\MD	Ok
17	VSTDCCC050	VN086568.D	09 May 2025 17:44	JC\MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM				
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM				
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021952.D	22 Apr 2025 11:33	SY/MD	Ok
2	VSTDICC005	VY021953.D	22 Apr 2025 13:39	SY/MD	Ok,M
3	VSTDICC010	VY021954.D	22 Apr 2025 14:44	SY/MD	Ok,M
4	VSTDICC020	VY021955.D	22 Apr 2025 15:07	SY/MD	Ok,M
5	VSTDICCC050	VY021956.D	22 Apr 2025 15:29	SY/MD	Ok,M
6	VSTDICC100	VY021957.D	22 Apr 2025 15:52	SY/MD	Ok,M
7	VSTDICC150	VY021958.D	22 Apr 2025 16:15	SY/MD	Ok,M
8	IBLK	VY021959.D	22 Apr 2025 16:38	SY/MD	Ok
9	VSTDICV050	VY021960.D	22 Apr 2025 17:01	SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050225

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:30 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:58:37 PM				
SubDirectory	VY050225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133799
Initial Calibration Stds	
CCC	VP133800,VP133801
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	VY022118.D	02 May 2025 10:26	SY/MD	Ok
2	VSTDCCC050	VY022119.D	02 May 2025 10:56	SY/MD	Ok,M
3	VY0502SBL01	VY022120.D	02 May 2025 11:25	SY/MD	Ok
4	VY0502SBS01	VY022121.D	02 May 2025 11:53	SY/MD	Ok,M
5	VY0502SBSD01	VY022122.D	02 May 2025 12:16	SY/MD	Ok,M
6	Q1923-01RE	VY022123.D	02 May 2025 12:53	SY/MD	Confirms
7	Q1933-01	VY022124.D	02 May 2025 13:17	SY/MD	ReRun
8	Q1932-01	VY022125.D	02 May 2025 13:40	SY/MD	Ok
9	Q1932-03	VY022126.D	02 May 2025 14:04	SY/MD	Ok
10	Q1932-05	VY022127.D	02 May 2025 14:27	SY/MD	Ok
11	Q1932-07	VY022128.D	02 May 2025 14:51	SY/MD	Ok
12	Q1928-03	VY022129.D	02 May 2025 15:14	SY/MD	Ok
13	Q1935-03	VY022130.D	02 May 2025 15:37	SY/MD	Ok
14	Q1935-07	VY022131.D	02 May 2025 16:01	SY/MD	Ok
15	Q1939-01	VY022132.D	02 May 2025 16:24	SY/MD	Ok
16	Q1939-02	VY022133.D	02 May 2025 16:48	SY/MD	Ok
17	Q1939-04	VY022134.D	02 May 2025 17:11	SY/MD	Ok
18	Q1939-05	VY022135.D	02 May 2025 17:35	SY/MD	Ok
19	Q1937-02	VY022136.D	02 May 2025 17:58	SY/MD	Ok
20	Q1937-04	VY022137.D	02 May 2025 18:22	SY/MD	Ok
21	Q1937-06	VY022138.D	02 May 2025 18:45	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050225

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:30 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:58:37 PM				
SubDirectory	VY050225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133799
Initial Calibration Stds	
CCC	VP133800,VP133801
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1937-08	VY022139.D	02 May 2025 19:09	SY/MD	Ok
23	Q1937-10	VY022140.D	02 May 2025 19:32	SY/MD	Ok
24	Q1937-12	VY022141.D	02 May 2025 19:55	SY/MD	Ok
25	Q1936-02	VY022142.D	02 May 2025 20:19	SY/MD	Ok
26	VSTDCCC050	VY022143.D	02 May 2025 20:42	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM		
SubDirectory	VN041525	HP Acquire Method	MSVOA_N	HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133665
Initial Calibration Stds	VP133667,VP133668,VP133669,VP133670,VP133671,VP133672
CCC	
Internal Standard/PEM	VP131746
ICV/I.BLK	VP133673
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086276.D	15 Apr 2025 10:47		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086277.D	15 Apr 2025 11:29		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086278.D	15 Apr 2025 12:21	Comp.#13,16 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC010	VSTDICC010	VN086279.D	15 Apr 2025 12:45	Comp.#43 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN086280.D	15 Apr 2025 13:09		JC\MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VN086281.D	15 Apr 2025 13:51		JC\MD	Ok,M
7	VSTDICC100	VSTDICC100	VN086282.D	15 Apr 2025 14:29		JC\MD	Ok,M
8	VIBLK	VIBLK	VN086283.D	15 Apr 2025 15:06		JC\MD	Ok
9	VSTDICV050	ICVVN041525	VN086284.D	15 Apr 2025 15:30		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM		
SubDirectory	VN050525	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133808
Initial Calibration Stds	
CCC	VP133809,VP133810
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	VN086477.D	05 May 2025 10:23		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086478.D	05 May 2025 11:32	pH#Lot#V12668	JC\MD	Ok,M
3	VN0505MBL01	VN0505MBL01	VN086479.D	05 May 2025 12:13		JC\MD	Ok
4	VN0505WBL01	VN0505WBL01	VN086480.D	05 May 2025 12:38		JC\MD	Ok
5	VN0505WBS01	VN0505WBS01	VN086481.D	05 May 2025 13:02		JC\MD	Ok,M
6	VN0505WBSD01	VN0505WBSD01	VN086482.D	05 May 2025 13:36		JC\MD	Ok,M
7	IBLK	IBLK	VN086483.D	05 May 2025 14:00		JC\MD	Ok
8	Q1942-01	STORAGE-BLANK-SO	VN086484.D	05 May 2025 14:24	vial A pH<2	JC\MD	Ok
9	Q1942-02	STORAGE-BLANK-WA	VN086485.D	05 May 2025 14:48	vial A pH<2	JC\MD	Ok
10	Q1942-03	STORAGE-BLANK-WA	VN086486.D	05 May 2025 15:12	vial A pH<2	JC\MD	Ok
11	Q1942-04	STORAGE-BLANK-SA	VN086487.D	05 May 2025 15:36	vial A pH<2	JC\MD	Ok
12	Q1956-07	FB-05022025	VN086488.D	05 May 2025 16:00	vial A pH<2 FB	JC\MD	Ok
13	Q1929-05RE	WC-A1-03-GRE	VN086489.D	05 May 2025 16:25	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
14	Q1929-09RE	WC-A1-04-GRE	VN086490.D	05 May 2025 16:49	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
15	VN0505MBS01	VN0505MBS01	VN086491.D	05 May 2025 17:13		JC\MD	Ok,M
16	VN0505MBSD01	VN0505MBSD01	VN086492.D	05 May 2025 17:37		JC\MD	Ok,M
17	Q1914-06ME	SS-5ME	VN086493.D	05 May 2025 18:01	run straight meoh	JC\MD	Not Ok
18	Q1914-07MEDL	SS-6MEDL	VN086494.D	05 May 2025 18:25		JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM		
SubDirectory	VN050525	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133808
Initial Calibration Stds	
CCC	VP133809,VP133810
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1914-08DL	SS-7DL	VN086495.D	05 May 2025 18:49		JC\MD	Ok
20	Q1914-09MEDL	SS-8MEDL	VN086496.D	05 May 2025 19:14		JC\MD	Ok
21	Q1914-12	SS-9	VN086497.D	05 May 2025 19:38	run soil	JC\MD	Not Ok
22	IBLK	IBLK	VN086498.D	05 May 2025 20:02		JC\MD	Ok
23	Q1939-03	GB2	VN086499.D	05 May 2025 20:26	Need Straight Run	JC\MD	Not Ok
24	Q1939-06	GB3B	VN086500.D	05 May 2025 20:50	vial C	JC\MD	Ok
25	IBLK	IBLK	VN086501.D	05 May 2025 21:14		JC\MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VN086502.D	05 May 2025 21:38		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM		
SubDirectory	VN050625	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133826
Initial Calibration Stds	
CCC	VP133827,VP133828
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	VN086503.D	06 May 2025 09:13		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086504.D	06 May 2025 10:35	CCC Failed Low For Com.#17,31	JC\MD	Ok,M
3	VN0506MBL01	VN0506MBL01	VN086505.D	06 May 2025 11:11		JC\MD	Ok
4	VN0506WBL01	VN0506WBL01	VN086506.D	06 May 2025 11:35		JC\MD	Ok
5	VN0506WBS01	VN0506WBS01	VN086507.D	06 May 2025 11:59		JC\MD	Ok,M
6	VN0506WBSD01	VN0506WBSD01	VN086508.D	06 May 2025 12:34		JC\MD	Ok,M
7	Q1947-04	MH-P	VN086509.D	06 May 2025 12:58	vial A pH#5.0	JC\MD	Ok
8	Q1947-08	MH-O	VN086510.D	06 May 2025 13:22	vial A pH#5.0	JC\MD	Ok
9	Q1951-04	MH-KK	VN086511.D	06 May 2025 13:46	vial A pH#5.0	JC\MD	Ok,M
10	Q1956-05	COMP1	VN086512.D	06 May 2025 14:11	vial A pH#5.0	JC\MD	Ok,M
11	Q1959-02	SOIL-PILE	VN086513.D	06 May 2025 14:35	vial A pH#5.0	JC\MD	Ok,M
12	Q1960-03	72-11933	VN086514.D	06 May 2025 14:59	vial A pH#5.0	JC\MD	Ok,M
13	VN0506MBS01	VN0506MBS01	VN086515.D	06 May 2025 15:23		JC\MD	Ok,M
14	VN0506MBSD01	VN0506MBSD01	VN086516.D	06 May 2025 15:47		JC\MD	Ok,M
15	Q1939-03	GB2	VN086517.D	06 May 2025 16:11	vial C, CCC Failed Low	JC\MD	ReRun
16	Q1914-06ME	SS-5ME	VN086518.D	06 May 2025 16:35		JC\MD	Ok
17	Q1914-07ME	SS-6ME	VN086519.D	06 May 2025 16:59	Need 20X	JC\MD	Dilution

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM		
SubDirectory	VN050625	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133826
Initial Calibration Stds	
CCC	VP133827,VP133828
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1914-08	SS-7	VN086520.D	06 May 2025 17:23	Need 20X	JC\MD	Dilution
19	Q1914-09ME	SS-8ME	VN086521.D	06 May 2025 17:48	Need 20X	JC\MD	Dilution
20	Q1966-03	SILICA-GEL	VN086522.D	06 May 2025 18:12	CCC Failed Low,Run@ Lower Dilution	JC\MD	ReRun
21	IBLK	IBLK	VN086523.D	06 May 2025 18:36		JC\MD	Ok
22	IBLK	IBLK	VN086524.D	06 May 2025 19:00		JC\MD	Ok
23	IBLK	IBLK	VN086525.D	06 May 2025 19:24		JC\MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VN086526.D	06 May 2025 19:48		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN050925

Review By	John Carlone	Review On	5/12/2025 9:52:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/12/2025 1:58:31 PM		
SubDirectory	VN050925	HP Acquire Method		HP Processing Method	82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133876
Initial Calibration Stds	
CCC	VP133877,VP133878
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	VN086552.D	09 May 2025 09:49		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086553.D	09 May 2025 11:00	CCAL failed low for comp. #31	JC\MD	Ok,M
3	VN0509MBL01	VN0509MBL01	VN086554.D	09 May 2025 11:34		JC\MD	Ok
4	VN0509WBL01	VN0509WBL01	VN086555.D	09 May 2025 11:58		JC\MD	Ok
5	VN0509MBS01	VN0509MBS01	VN086556.D	09 May 2025 12:22	Recovery fail	JC\MD	Not Ok
6	VN0509MBS02	VN0509MBS02	VN086557.D	09 May 2025 12:57		JC\MD	Ok,M
7	Q1939-03RE	GB2RE	VN086558.D	09 May 2025 13:31	vial C, CCAL Failed Low	JC\MD	Confirms
8	Q1980-04	3848	VN086559.D	09 May 2025 13:55	Need 40X	JC\MD	Dilution
9	Q1980-05	3837	VN086560.D	09 May 2025 14:19	E flag of previous sample	JC\MD	ReRun
10	IBLK	IBLK	VN086561.D	09 May 2025 14:43		JC\MD	Ok
11	IBLK	IBLK	VN086562.D	09 May 2025 15:07		JC\MD	Ok
12	Q1980-04DL	3848DL	VN086563.D	09 May 2025 15:31	Need 100X	JC\MD	Dilution
13	IBLK	IBLK	VN086564.D	09 May 2025 16:08		JC\MD	Ok
14	IBLK	IBLK	VN086565.D	09 May 2025 16:32		JC\MD	Ok
15	Q1980-05	3837	VN086566.D	09 May 2025 16:56	cloth material	JC\MD	Ok
16	Q1980-04DL2	3848DL2	VN086567.D	09 May 2025 17:20	cloth material	JC\MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VN086568.D	09 May 2025 17:44		JC\MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021952.D	22 Apr 2025 11:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021953.D	22 Apr 2025 13:39		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021954.D	22 Apr 2025 14:44	Com.#16 is on Linear Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021955.D	22 Apr 2025 15:07		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021956.D	22 Apr 2025 15:29		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021957.D	22 Apr 2025 15:52		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021958.D	22 Apr 2025 16:15		SY/MD	Ok,M
8	IBLK	IBLK	VY021959.D	22 Apr 2025 16:38		SY/MD	Ok
9	VSTDICV050	ICVVY042225	VY021960.D	22 Apr 2025 17:01		SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050225

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:30 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:58:37 PM		
SubDirectory	VY050225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133799
Initial Calibration Stds	
CCC	VP133800,VP133801
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	VY022118.D	02 May 2025 10:26		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022119.D	02 May 2025 10:56		SY/MD	Ok,M
3	VY0502SBL01	VY0502SBL01	VY022120.D	02 May 2025 11:25		SY/MD	Ok
4	VY0502SBS01	VY0502SBS01	VY022121.D	02 May 2025 11:53		SY/MD	Ok,M
5	VY0502SBSD01	VY0502SBSD01	VY022122.D	02 May 2025 12:16		SY/MD	Ok,M
6	Q1923-01RE	TR-05-04302025RE	VY022123.D	02 May 2025 12:53	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q1933-01	OK-01-050125	VY022124.D	02 May 2025 13:17	vial-A Internal Standard Fail	SY/MD	ReRun
8	Q1932-01	COMP-4	VY022125.D	02 May 2025 13:40	vial-A	SY/MD	Ok
9	Q1932-03	COMP-5	VY022126.D	02 May 2025 14:04	vial-A	SY/MD	Ok
10	Q1932-05	COMP-6	VY022127.D	02 May 2025 14:27	vial-A	SY/MD	Ok
11	Q1932-07	COMP-7	VY022128.D	02 May 2025 14:51	vial-A	SY/MD	Ok
12	Q1928-03	MH-Q-VOC	VY022129.D	02 May 2025 15:14	vial-A	SY/MD	Ok
13	Q1935-03	MH-NN-VOC	VY022130.D	02 May 2025 15:37	vial-A	SY/MD	Ok
14	Q1935-07	MH-MM-VOC	VY022131.D	02 May 2025 16:01	vial-A	SY/MD	Ok
15	Q1939-01	GB1	VY022132.D	02 May 2025 16:24	vial-A	SY/MD	Ok
16	Q1939-02	GB1B	VY022133.D	02 May 2025 16:48	vial-A	SY/MD	Ok
17	Q1939-04	GB2B	VY022134.D	02 May 2025 17:11	vial-A	SY/MD	Ok
18	Q1939-05	GB3	VY022135.D	02 May 2025 17:35	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050225

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:30 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:58:37 PM		
SubDirectory	VY050225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133799
Initial Calibration Stds	
CCC	VP133800,VP133801
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1937-02	LARGE-PILE-A	VY022136.D	02 May 2025 17:58	vial-A	SY/MD	Ok
20	Q1937-04	LARGE-PILE-B	VY022137.D	02 May 2025 18:22	vial-A	SY/MD	Ok
21	Q1937-06	LARGE-PILE-C	VY022138.D	02 May 2025 18:45	vial-A	SY/MD	Ok
22	Q1937-08	LARGE-PILE-D	VY022139.D	02 May 2025 19:09	vial-A	SY/MD	Ok
23	Q1937-10	LARGE-PILE-E	VY022140.D	02 May 2025 19:32	vial-A	SY/MD	Ok
24	Q1937-12	LARGE-PILE-F	VY022141.D	02 May 2025 19:55	vial-A	SY/MD	Ok
25	Q1936-02	SMALL-PILE-A	VY022142.D	02 May 2025 20:19	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY022143.D	02 May 2025 20:42		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1939	**OrderDate:**	5/1/2025 2:51:00 PM
Client:	G Environmental	**Project:**	Amsterdam
Contact:	Gary Landis	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1939-01	**GB1**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/02/25	
Q1939-02	**GB1B**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/02/25	
Q1939-03	**GB2**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/06/25	
Q1939-03RE	**GB2RE**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/09/25	
Q1939-04	**GB2B**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/02/25	
Q1939-05	**GB3**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/02/25	
Q1939-06	**GB3B**	**SOIL**			**05/01/25**			**05/01/25**
			VOCMS Group1	8260D			05/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1939

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1B	SDG No.:	Q1939
Lab Sample ID:	Q1939-02	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	82.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
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
BN036977.D	1	05/08/25 10:03	05/08/25 17:29	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	1.90	U	1.90	8.00	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.14		30 (17) - 150 (161)	35%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.15		30 (23) - 150 (138)	38%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.13		30 (33) - 130 (121)	33%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.12		30 (32) - 130 (121)	30%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.12		30 (21) - 130 (130)	31%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1750	7.625			
1146-65-2	Naphthalene-d8	4600	10.404			
15067-26-2	Acenaphthene-d10	2550	14.277			
1517-22-2	Phenanthrene-d10	5230	17.021			
1719-03-5	Chrysene-d12	4610	21.215			
1520-96-3	Perylene-d12	4650	23.424			

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:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2B	SDG No.:	Q1939
Lab Sample ID:	Q1939-04	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	85.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
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
BN036974.D	1	05/08/25 10:03	05/08/25 15:40	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	1.80	U	1.80	7.70	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.26		30 (17) - 150 (161)	65%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.29		30 (23) - 150 (138)	72%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		30 (33) - 130 (121)	64%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.26		30 (32) - 130 (121)	65%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.23		30 (21) - 130 (130)	58%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1600	7.626			
1146-65-2	Naphthalene-d8	4100	10.404			
15067-26-2	Acenaphthene-d10	2290	14.277			
1517-22-2	Phenanthrene-d10	4910	17.021			
1719-03-5	Chrysene-d12	4610	21.216			
1520-96-3	Perylene-d12	4840	23.421			

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3B	SDG No.:	Q1939
Lab Sample ID:	Q1939-06	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	88.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
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
BN036978.D	1	05/08/25 10:03	05/08/25 18:05	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	1.80	U	1.80	7.40	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.42		30 (17) - 150 (161)	106%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.24		30 (23) - 150 (138)	61%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	6.93	*	30 (33) - 130 (121)	1732%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.053	*	30 (32) - 130 (121)	13%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.20		30 (21) - 130 (130)	49%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	3570	7.625			
1146-65-2	Naphthalene-d8	9660	10.404			
15067-26-2	Acenaphthene-d10	26500	14.266			
1517-22-2	Phenanthrene-d10	7590	17.033			
1719-03-5	Chrysene-d12	6900	21.215			
1520-96-3	Perylene-d12	7150	23.421			

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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167915BL	PB167915BL	2-Methylnaphthalene-d10	0.4	0.32	79		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.37	91		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.32	79		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.31	78		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.32	80		30 (21)	130 (130)
PB167915BS	PB167915BS	2-Methylnaphthalene-d10	0.4	0.51	127		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.36	90		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.35	88		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.35	88		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.36	90		30 (21)	130 (130)
Q1939-02	GB1B	2-Methylnaphthalene-d10	0.4	0.14	35		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.15	38		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.13	33		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.12	30		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.12	31		30 (21)	130 (130)
Q1939-04	GB2B	2-Methylnaphthalene-d10	0.4	0.26	65		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.29	72		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.26	64		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.26	65		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.23	58		30 (21)	130 (130)
Q1939-04MS	GB2BMS	2-Methylnaphthalene-d10	0.4	0.22	55		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.23	57		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.22	55		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.19	49		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.20	50		30 (21)	130 (130)
Q1939-04MSD	GB2BMSD	2-Methylnaphthalene-d10	0.4	0.23	56		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.23	58		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	0.22	55		30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.19	49		30 (32)	130 (121)
		Terphenyl-d14	0.4	0.20	50		30 (21)	130 (130)
Q1939-06	GB3B	2-Methylnaphthalene-d10	0.4	0.42	106		30 (17)	150 (161)
		Fluoranthene-d10	0.4	0.24	61		30 (23)	150 (138)
		Nitrobenzene-d5	0.4	6.93	1732	*	30 (33)	130 (121)
		2-Fluorobiphenyl	0.4	0.053	13	*	30 (32)	130 (121)
		Terphenyl-d14	0.4	0.20	49		30 (21)	130 (130)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1939-04MS		**Client Sample ID:** GB2BMS						**DataFile:** BN036975.D			
1,4-Dioxane	15.6	0	13.2	ug/Kg	85				20 (70)	160 (130)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8270-Modified

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q1939-04MSD		**Client Sample ID:** GB2BMSD						**DataFile:** BN036976.D			
1,4-Dioxane	15.6	0	13.4	ug/Kg	86		1		20 (70)	160 (130)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: 8270-Modified **DataFile:** BN036979.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167915BS	1,4-Dioxane	13.3	10.0	ug/Kg	75				20 (70)	160 (130)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167915BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: BN036973.D Lab Sample ID: PB167915BL

Instrument ID: BNA_N Date Extracted: 05/08/2025

Matrix: (soil/water) SOIL Date Analyzed: 05/08/2025

Level: (low/med) LOW Time Analyzed: 15:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167915BS	PB167915BS	BN036979.D	05/08/2025
GB2B	Q1939-04	BN036974.D	05/08/2025
GB2BMS	Q1939-04MS	BN036975.D	05/08/2025
GB2BMSD	Q1939-04MSD	BN036976.D	05/08/2025
GB1B	Q1939-02	BN036977.D	05/08/2025
GB3B	Q1939-06	BN036978.D	05/08/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: BN036922.D DFTPP Injection Date: 04/28/2025

Instrument ID: BNA_N DFTPP Injection Time: 10:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	67.4
68	Less than 2.0% of mass 69	0.8 (1.4) 1
69	Mass 69 relative abundance	58.8
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	54.3
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	6.7
275	10.0 - 60.0% of mass 198	23.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	8.4
442	Greater than 50% of mass 198	48.1
443	15.0 - 24.0% of mass 442	9.3 (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
SSTDICC0.1	SSTDICC0.1	BN036923.D	04/28/2025	11:35
SSTDICC0.2	SSTDICC0.2	BN036924.D	04/28/2025	12:11
SSTDICCC0.4	SSTDICCC0.4	BN036925.D	04/28/2025	12:47
SSTDICC0.8	SSTDICC0.8	BN036926.D	04/28/2025	13:24
SSTDICC1.6	SSTDICC1.6	BN036927.D	04/28/2025	14:00
SSTDICC3.2	SSTDICC3.2	BN036928.D	04/28/2025	14:36
SSTDICC5.0	SSTDICC5.0	BN036929.D	04/28/2025	15:12

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: BN036971.D DFTPP Injection Date: 05/08/2025

Instrument ID: BNA_N DFTPP Injection Time: 13:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	71.6
68	Less than 2.0% of mass 69	0.3 (0.4) 1
69	Mass 69 relative abundance	58.3
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	52.9
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	6.8
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	9.2
442	Greater than 50% of mass 198	54.4
443	15.0 - 24.0% of mass 442	10.7 (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
SSTDCCC0.4	SSTDCCC0.4	BN036972.D	05/08/2025	14:28
PB167915BL	PB167915BL	BN036973.D	05/08/2025	15:04
GB2B	Q1939-04	BN036974.D	05/08/2025	15:40
GB2BMS	Q1939-04MS	BN036975.D	05/08/2025	16:16
GB2BMSD	Q1939-04MSD	BN036976.D	05/08/2025	16:53
GB1B	Q1939-02	BN036977.D	05/08/2025	17:29
GB3B	Q1939-06	BN036978.D	05/08/2025	18:05
PB167915BS	PB167915BS	BN036979.D	05/08/2025	18:41

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/08/2025

Lab File ID: BN036972.D Time Analyzed: 14:28

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	1755	7.626	4397	10.40	2406	14.28
	UPPER LIMIT	3510	8.126	8794	10.904	4812	14.777
	LOWER LIMIT	877.5	7.126	2198.5	9.904	1203	13.777
	EPA SAMPLE NO.						
01	PB167915BL	1580	7.63	3771	10.42	2026	14.28
02	GB2B	1602	7.63	4100	10.40	2293	14.28
03	PB167915BS	2493	7.63	6667	10.40	3772	14.28
04	GB2BMS	1704	7.63	4360	10.40	2385	14.28
05	GB1B	1746	7.63	4604	10.40	2550	14.28
06	GB2BMSD	1746	7.63	4442	10.40	2456	14.28
07	GB3B	3567 *	7.63	9662 *	10.40	26498 *	14.27

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.

Alliance TECHNICAL GROUP
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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/08/2025

Lab File ID: BN036972.D Time Analyzed: 14:28

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	4760	17.021	4148	21.215	3956	23.424
	UPPER LIMIT	9520	17.521	8296	21.715	7912	23.924
	LOWER LIMIT	2380	16.521	2074	20.715	1978	22.924
	EPA SAMPLE NO.						
01	PB167915BL	4065	17.02	3603	21.22	3531	23.42
02	GB2B	4908	17.02	4614	21.22	4836	23.42
03	PB167915BS	7644	17.02	6261	21.22	5504	23.42
04	GB2BMS	5063	17.02	4471	21.22	4298	23.42
05	GB1B	5231	17.02	4605	21.22	4646	23.42
06	GB2BMSD	5135	17.02	4532	21.22	4358	23.42
07	GB3B	7588	17.03	6896	21.22	7149	23.42

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.

QC SAMPLE DATA

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Amsterdam			Date Received:	
Client Sample ID:	PB167915BL			SDG No.:	Q1939
Lab Sample ID:	PB167915BL			Matrix:	SOIL
Analytical Method:	SW8270ESIM			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-SIMGroup1
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
BN036973.D	1	05/08/25 10:03	05/08/25 15:04	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	1.60	U	1.60	6.60	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.32		30 (17) - 150 (161)	79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (23) - 150 (138)	91%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		30 (33) - 130 (121)	79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		30 (32) - 130 (121)	78%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.32		30 (21) - 130 (130)	80%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1580	7.625			
1146-65-2	Naphthalene-d8	3770	10.415			
15067-26-2	Acenaphthene-d10	2030	14.277			
1517-22-2	Phenanthrene-d10	4070	17.021			
1719-03-5	Chrysene-d12	3600	21.215			
1520-96-3	Perylene-d12	3530	23.421			

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

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Amsterdam			Date Received:	
Client Sample ID:	PB167915BS			SDG No.:	Q1939
Lab Sample ID:	PB167915BS			Matrix:	SOIL
Analytical Method:	SW8270ESIM			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-SIMGroup1
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
BN036979.D	1	05/08/25 10:03	05/08/25 18:41	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	10.0		1.60	6.60	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.51		30 (17) - 150 (161)	127%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 (23) - 150 (138)	90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (33) - 130 (121)	88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (32) - 130 (121)	88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		30 (21) - 130 (130)	90%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2490	7.626			
1146-65-2	Naphthalene-d8	6670	10.404			
15067-26-2	Acenaphthene-d10	3770	14.277			
1517-22-2	Phenanthrene-d10	7640	17.021			
1719-03-5	Chrysene-d12	6260	21.216			
1520-96-3	Perylene-d12	5500	23.421			

U = Not Detected
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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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2BMS	SDG No.:	Q1939
Lab Sample ID:	Q1939-04MS	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	85.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
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
BN036975.D	1	05/08/25 10:03	05/08/25 16:16	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	13.2		1.80	7.70	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.22		30 (17) - 150 (161)	55%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.23		30 (23) - 150 (138)	57%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.22		30 (33) - 130 (121)	55%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.19		30 (32) - 130 (121)	49%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.20		30 (21) - 130 (130)	50%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1700	7.625			
1146-65-2	Naphthalene-d8	4360	10.404			
15067-26-2	Acenaphthene-d10	2390	14.277			
1517-22-2	Phenanthrene-d10	5060	17.021			
1719-03-5	Chrysene-d12	4470	21.215			
1520-96-3	Perylene-d12	4300	23.424			

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2BMSD	SDG No.:	Q1939
Lab Sample ID:	Q1939-04MSD	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	85.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
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
BN036976.D	1	05/08/25 10:03	05/08/25 16:53	PB167915

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
123-91-1	1,4-Dioxane	13.4		1.80	7.70	ug/Kg
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.23		30 (17) - 150 (161)	56%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.23		30 (23) - 150 (138)	58%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.22		30 (33) - 130 (121)	55%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.19		30 (32) - 130 (121)	49%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.20		30 (21) - 130 (130)	50%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1750	7.625			
1146-65-2	Naphthalene-d8	4440	10.404			
15067-26-2	Acenaphthene-d10	2460	14.277			
1517-22-2	Phenanthrene-d10	5140	17.021			
1719-03-5	Chrysene-d12	4530	21.215			
1520-96-3	Perylene-d12	4360	23.421			

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
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() = Laboratory InHouse Limit
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CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 15:35:03 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN036923.D 0.2 =BN036924.D 0.4 =BN036925.D 0.8 =BN036926.D 1.6 =BN036927.D 3.2 =BN036928.D 5.0 =BN036929.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
2)		1,4-Dioxane	0.452	0.489	0.551	0.506	0.537	0.489	0.465	0.498	7.23
3)		n-Nitrosodimet...	0.903	0.998	1.010	0.957	1.034	0.952	0.918	0.967	5.01
4)	S	2-Fluorophenol	1.050	1.056	1.118	0.946	1.040	0.982	0.970	1.023	5.86
5)	S	Phenol-d6	1.270	1.237	1.337	1.151	1.294	1.255	1.272	1.259	4.57
6)		bis(2-Chloroet...	1.174	1.123	1.170	1.139	1.240	1.162	1.162	1.167	3.17
7)	I	Naphthalene-d8	----------	ISTD	----------						
8)	S	Nitrobenzene-d5	0.400	0.401	0.411	0.404	0.446	0.432	0.436	0.418	4.52
9)		Naphthalene	1.155	1.147	1.155	1.132	1.225	1.170	1.165	1.164	2.56
10)		Hexachlorobuta...	0.260	0.250	0.253	0.249	0.262	0.248	0.240	0.252	2.99
11)	SURR	2-Methylnaphth...	0.540	0.532	0.541	0.543	0.596	0.575	0.589	0.559	4.75
12)		2-Methylnaphth...	0.716	0.713	0.719	0.735	0.804	0.782	0.798	0.753	5.41
13)	I	Acenaphthene-d10	----------	ISTD	----------						
14)	S	2,4,6-Tribromo...	0.156	0.173	0.177	0.175	0.187	0.184	0.196	0.178	7.18
15)	S	2-Fluorobiphenyl	1.877	1.975	2.055	1.690	2.023	1.986	1.928	1.933	6.32
16)		Acenaphthylene	1.876	1.850	1.907	1.884	2.067	2.035	2.066	1.955	4.93
17)		Acenaphthene	1.264	1.270	1.275	1.248	1.333	1.295	1.305	1.284	2.22
18)		Fluorene	1.604	1.612	1.624	1.658	1.788	1.720	1.752	1.680	4.39
19)	I	Phenanthrene-d10	----------	ISTD	----------						
20)		4,6-Dinitro-2-...		0.083	0.090	0.096	0.113	0.120	0.134	0.106	18.55
21)		4-Bromophenyl-...	0.260	0.263	0.262	0.260	0.282	0.272	0.270	0.267	3.11
22)		Hexachlorobenzene	0.301	0.289	0.300	0.280	0.303	0.293	0.282	0.293	3.18
23)		Atrazine	0.193	0.198	0.199	0.217	0.227	0.226	0.248	0.215	9.20
24)		Pentachlorophenol	0.160	0.136	0.144	0.145	0.163	0.168	0.181	0.157	10.06
25)		Phenanthrene	1.309	1.274	1.299	1.280	1.387	1.346	1.347	1.320	3.13
26)		Anthracene	1.131	1.108	1.147	1.138	1.275	1.261	1.299	1.194	6.74
27)	SURR	Fluoranthene-d10	0.993	1.004	0.991	1.016	1.087	1.053	1.115	1.037	4.74
28)		Fluoranthene	1.387	1.380	1.399	1.471	1.578	1.530	1.613	1.480	6.46
29)	I	Chrysene-d12	----------	ISTD	----------						
30)		Pyrene	1.919	1.942	1.958	1.802	2.073	1.969	1.823	1.927	4.77
31)	S	Terphenyl-d14	0.974	0.942	0.946	0.893	1.005	0.952	0.897	0.944	4.22
32)		Benzo(a)anthra...	1.402	1.407	1.429	1.422	1.583	1.509	1.561	1.473	5.19
33)		Chrysene	1.517	1.576	1.637	1.582	1.700	1.572	1.536	1.589	3.91
34)		Bis(2-ethylhex...	0.949	0.847	0.834	0.784	0.804	0.782	0.866	0.838	6.96
35)	I	Perylene-d12	----------	ISTD	----------						

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN042825.M

36)		Indeno(1,2,3-c...	1.595	1.571	1.712	1.503	1.720	1.724	1.609	1.634	5.29
37)		Benzo(b)fluora...	1.580	1.552	1.634	1.628	1.796	1.758	1.825	1.682	6.50
38)		Benzo(k)fluora...	1.601	1.569	1.648	1.641	1.812	1.784	1.785	1.691	5.89
39)	C	Benzo(a)pyrene	1.315	1.301	1.361	1.315	1.463	1.447	1.477	1.383	5.57
40)		Dibenzo(a,h)an...	1.229	1.241	1.349	1.176	1.357	1.379	1.268	1.286	5.96
41)		Benzo(g,h,i)pe...	1.459	1.405	1.515	1.305	1.495	1.470	1.339	1.427	5.61

(#) = Out of Range

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: BNA_N Calibration Date/Time: 05/08/2025 14:28

Lab File ID: BN036972.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:35 15:12

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.559	0.538		-3.8	20.0
Fluoranthene-d10	1.037	1.049		1.2	20.0
2-Fluorophenol	1.023	1.032		0.9	20.0
Phenol-d6	1.259	1.275		1.3	20.0
Nitrobenzene-d5	0.418	0.416		-0.5	20.0
2-Fluorobiphenyl	1.933	1.961		1.4	20.0
2,4,6-Tribromophenol	0.178	0.170		-4.5	20.0
Terphenyl-d14	0.944	0.862		-8.7	20.0
1,4-Dioxane	0.498	0.509		2.2	20.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036977.D
Acq On : 08 May 2025 17:29
Operator : RC/JU
Sample : Q1939-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB1B

Quant Time: May 08 18:28:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

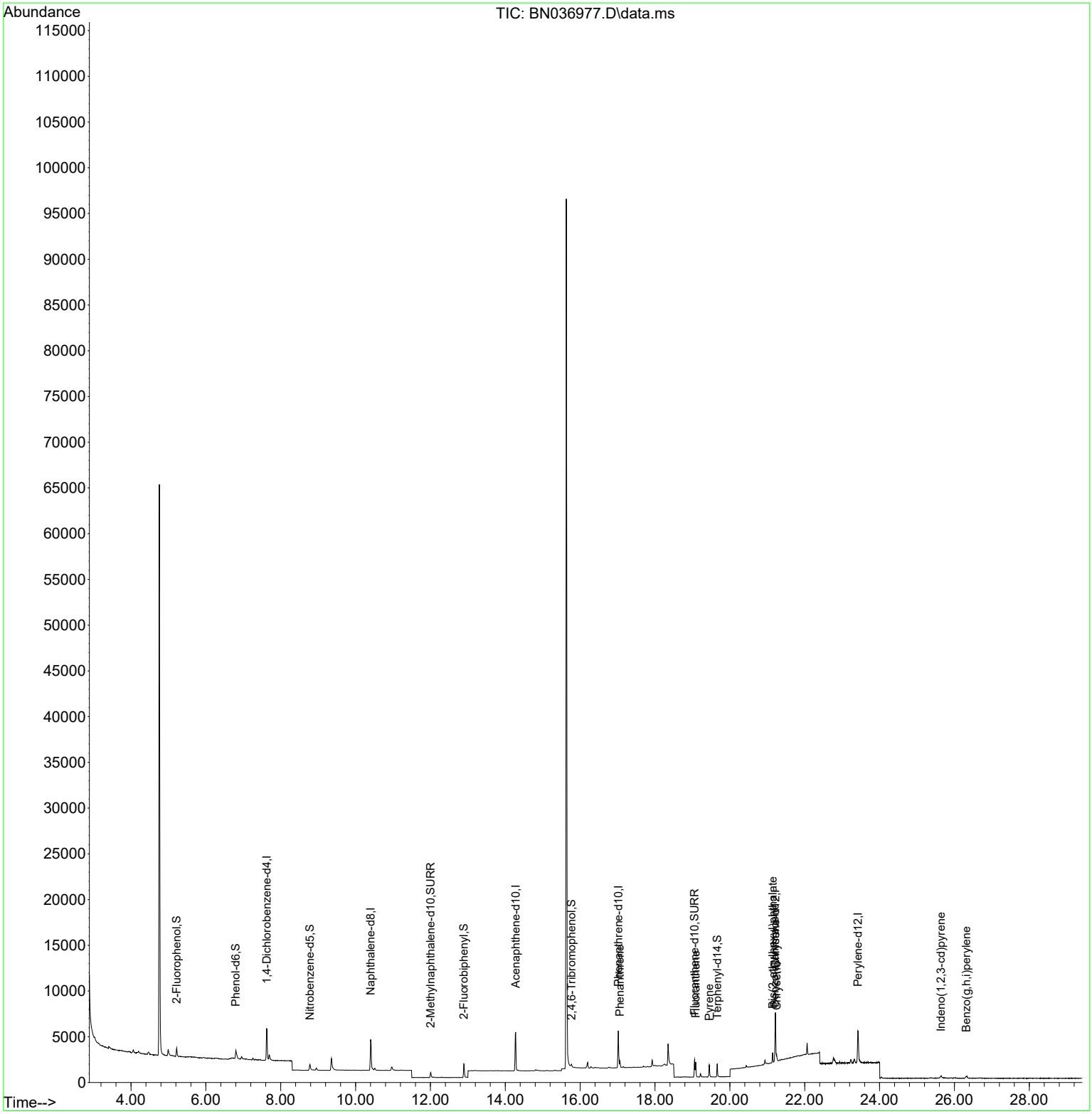
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1746	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4604	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2550	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5231	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4605	0.400	ng	0.00
35) Perylene-d12	23.424	264	4646	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	675	0.151	ng	0.00
5) Phenol-d6	6.802	99	806	0.147	ng	0.00
8) Nitrobenzene-d5	8.781	82	639	0.133	ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	893	0.139	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	156	0.137	ng	0.00
15) 2-Fluorobiphenyl	12.893	172	1475	0.120	ng	0.00
27) Fluoranthene-d10	19.059	212	2053	0.151	ng	0.00
31) Terphenyl-d14	19.662	244	1336	0.123	ng	0.00
Target Compounds						Qvalue
25) Phenanthrene	17.058	178	675	0.039	ng	96
28) Fluoranthene	19.086	202	1351	0.070	ng	# 97
30) Pyrene	19.449	202	1267	0.057	ng	# 96
32) Benzo(a)anthracene	21.197	228	639	0.038	ng	# 79
33) Chrysene	21.251	228	634	0.035	ng	# 82
34) Bis(2-ethylhexyl)phtha...	21.144	149	1033	0.107	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.637	276	409	0.022	ng	# 75
41) Benzo(g,h,i)perylene	26.318	276	462	0.028	ng	# 56

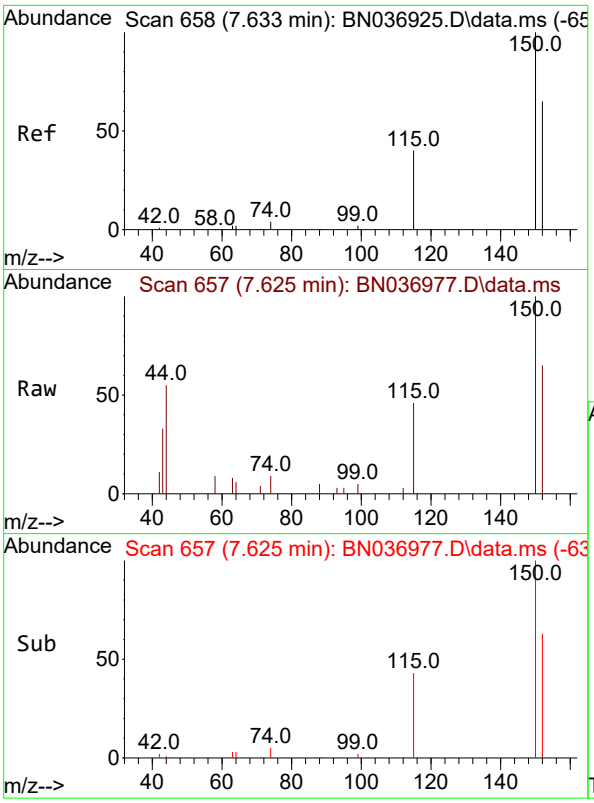
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036977.D
Acq On : 08 May 2025 17:29
Operator : RC/JU
Sample : Q1939-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB1B

Quant Time: May 08 18:28:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



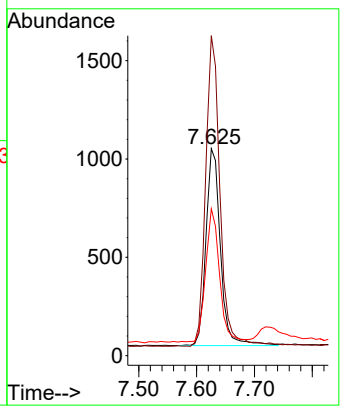


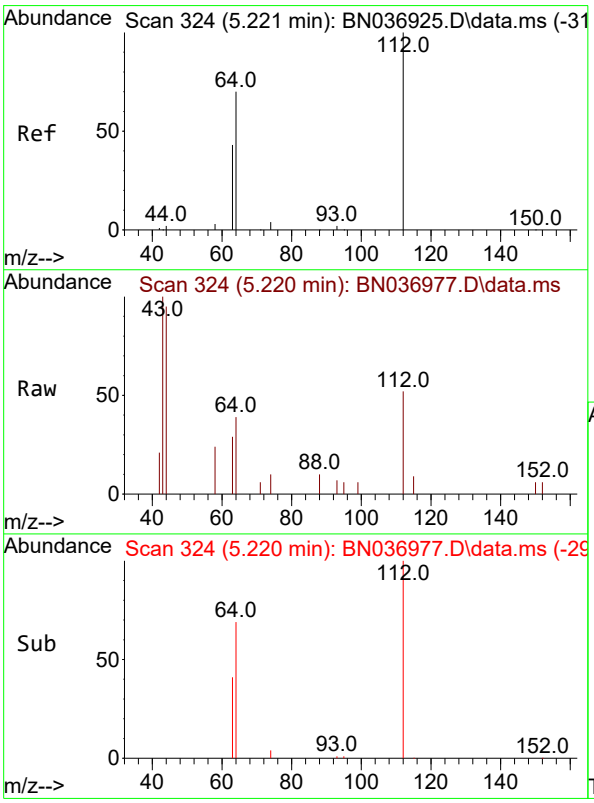
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 6
Delta R.T. -0.008 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:152 Resp: 1746

Ion	Ratio	Lower	Upper
152	100		
150	154.5	121.1	181.7
115	70.9	51.8	77.6

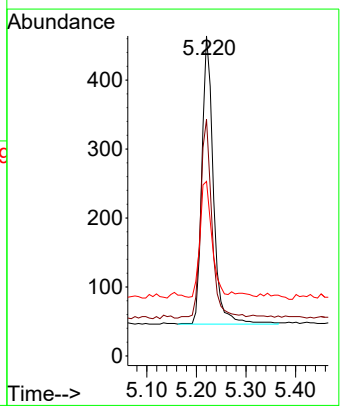


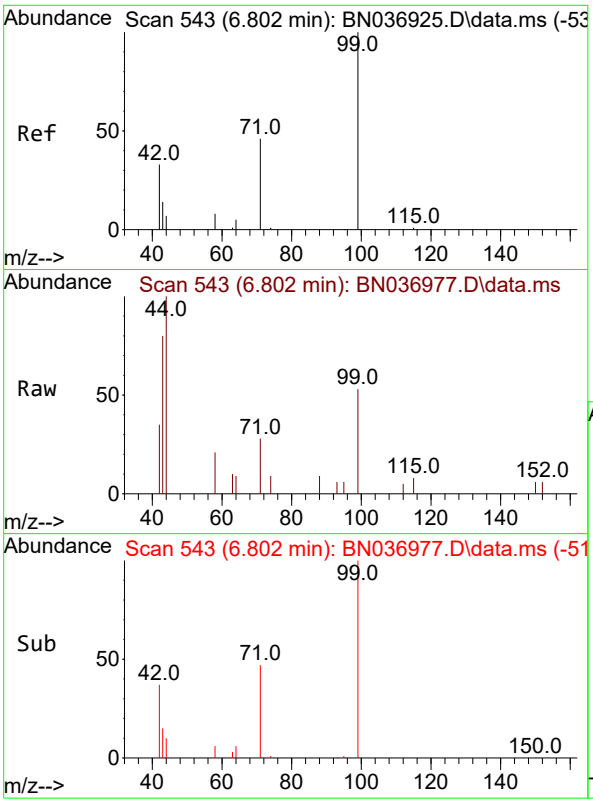


#4
2-Fluorophenol
Concen: 0.151 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:112 Resp: 675

Ion	Ratio	Lower	Upper
112	100		
64	67.7	55.7	83.5
63	41.6	33.9	50.9



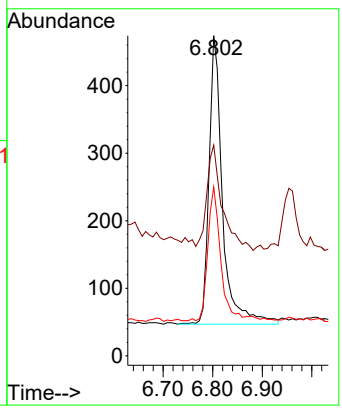


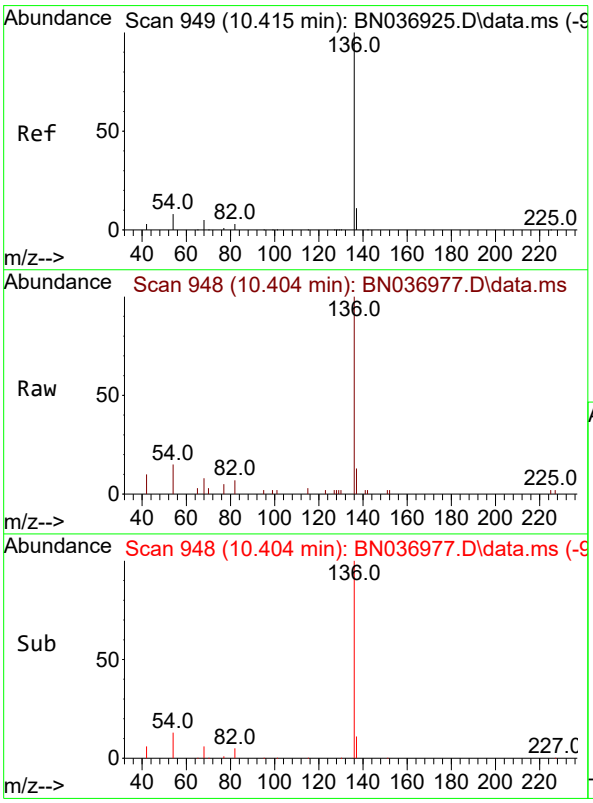
#5
Phenol-d6
Concen: 0.147 ng
RT: 6.802 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion: 99 Resp: 806

Ion	Ratio	Lower	Upper
99	100		
42	42.1	29.6	44.4
71	45.9	36.0	54.0

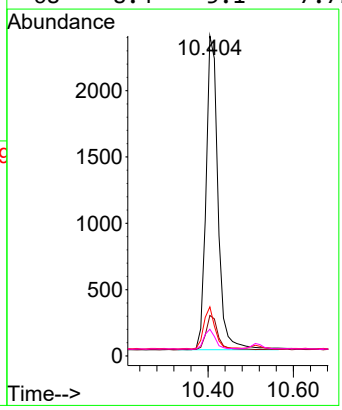


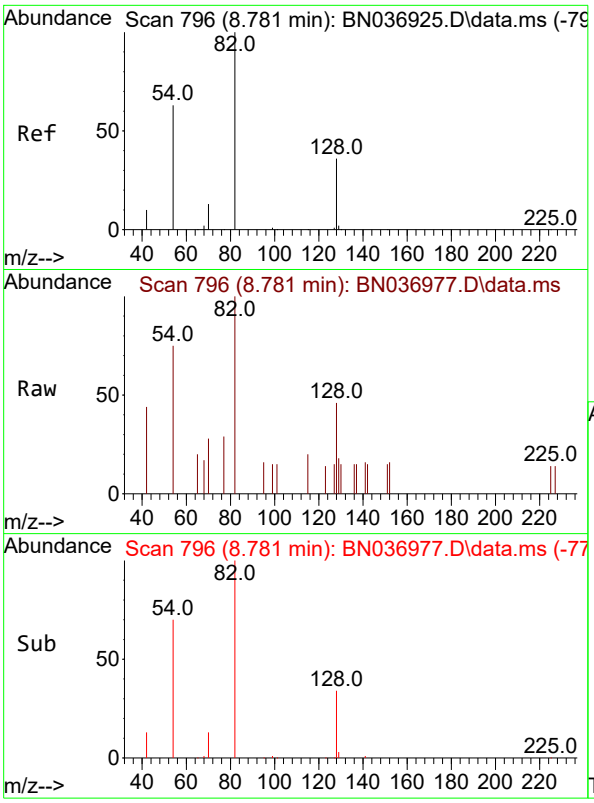


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:136 Resp: 4604

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.7	14.5
54	15.4	8.0	12.0#
68	8.4	5.1	7.7#



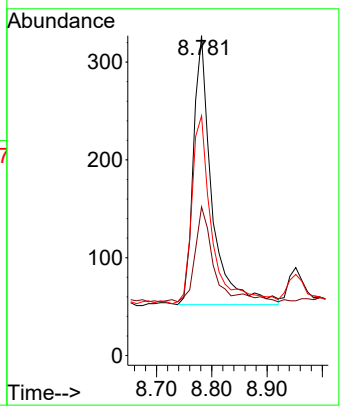


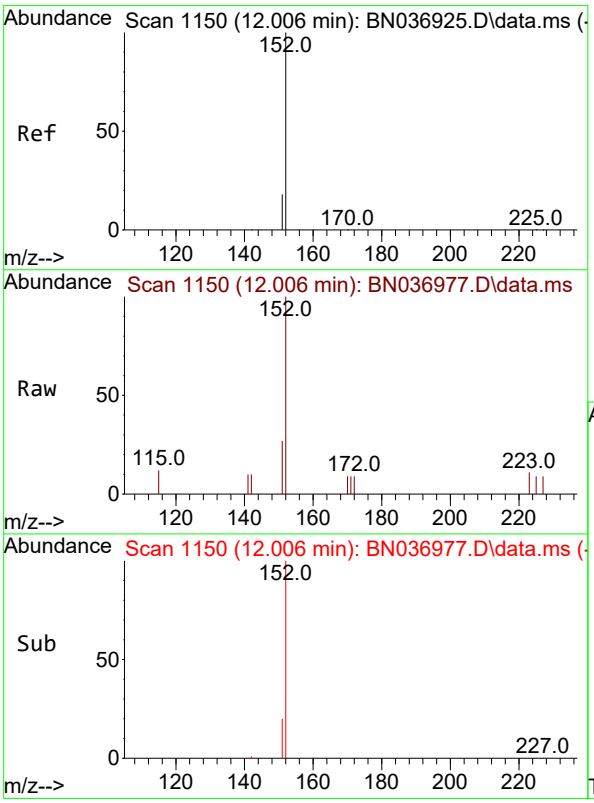
#8
Nitrobenzene-d5
Concen: 0.133 ng
RT: 8.781 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion: 82 Resp: 639

Ion	Ratio	Lower	Upper
82	100		
128	46.5	30.7	46.1#
54	74.9	52.1	78.1

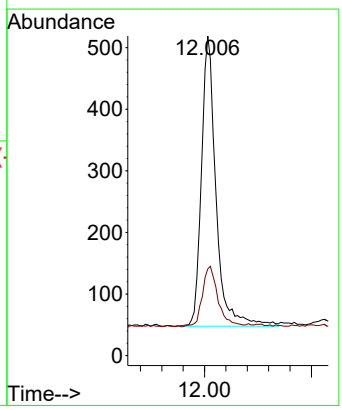


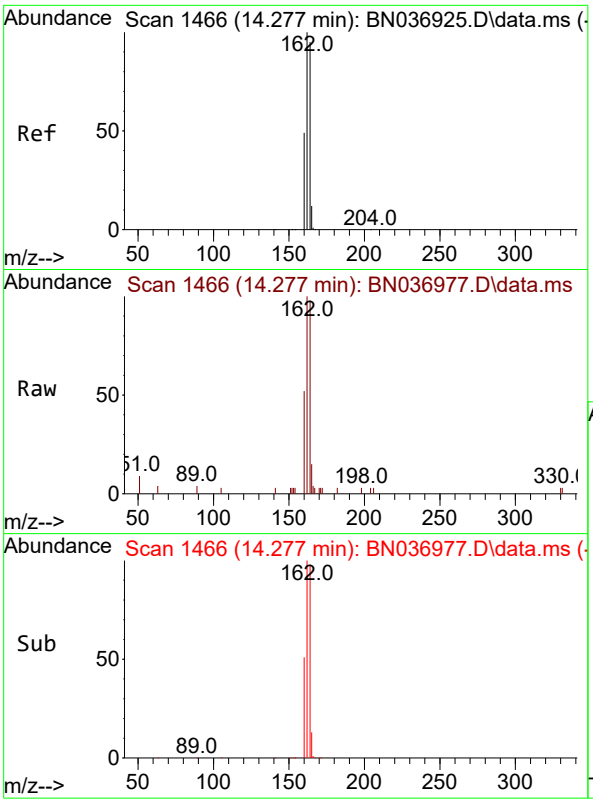


#11
2-Methylnaphthalene-d10
Concen: 0.139 ng
RT: 12.006 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:152 Resp: 893

Ion	Ratio	Lower	Upper
152	100		
151	22.4	16.9	25.3



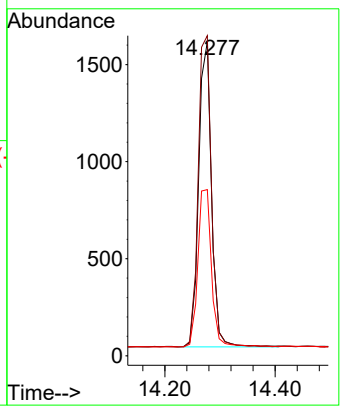


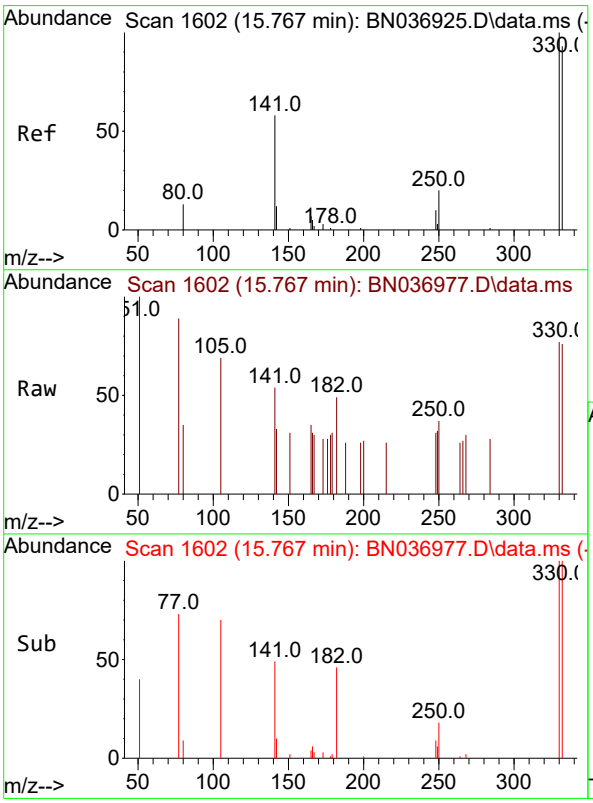
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:164 Resp: 2550

Ion	Ratio	Lower	Upper
164	100		
162	102.0	83.8	125.8
160	52.9	42.0	63.0

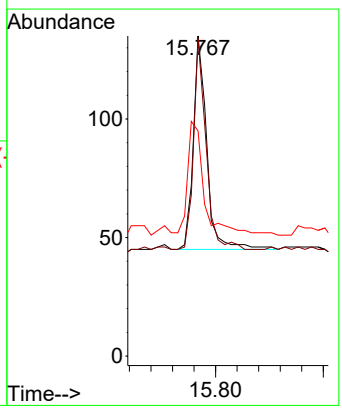


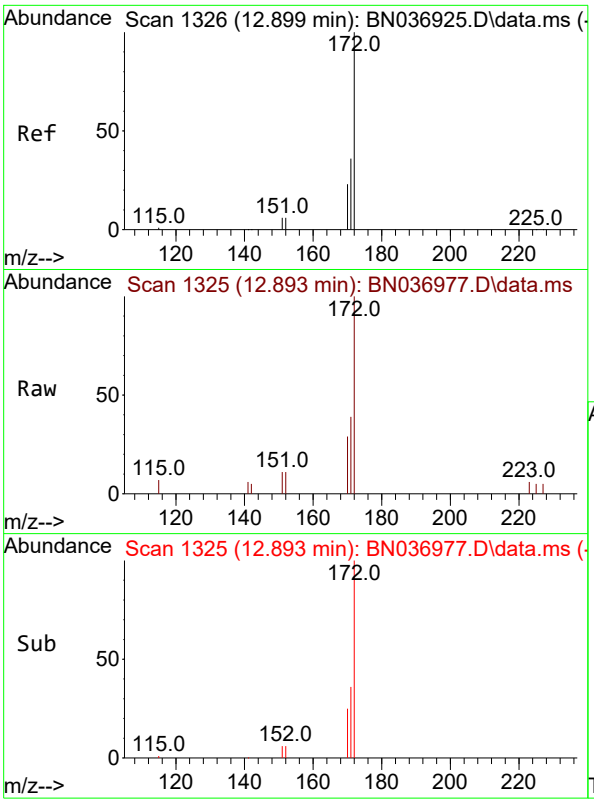


#14
2,4,6-Tribromophenol
Concen: 0.137 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:330 Resp: 156

Ion	Ratio	Lower	Upper
330	100		
332	91.0	76.3	114.5
141	69.2	45.4	68.2#



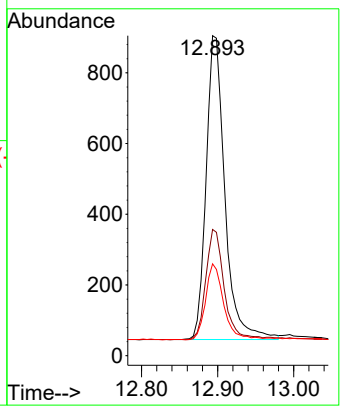


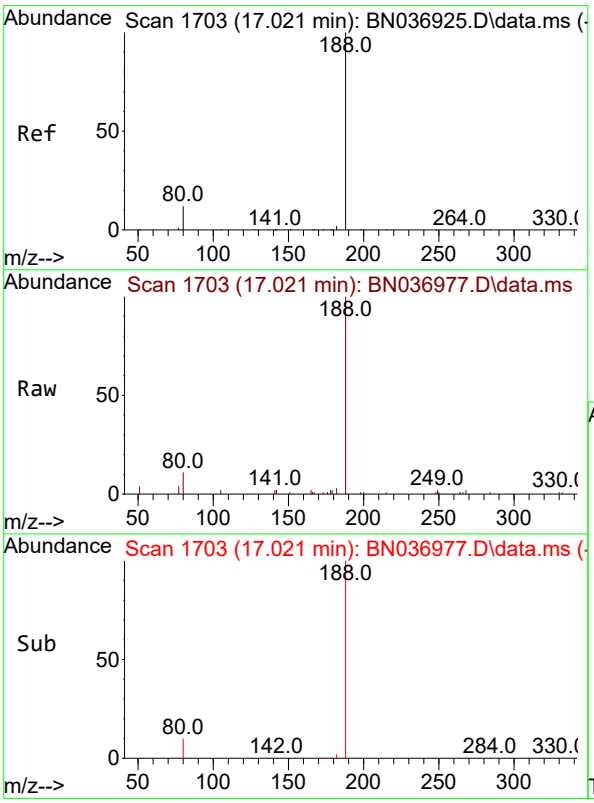
#15
2-Fluorobiphenyl
Concen: 0.120 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:172 Resp: 1475

Ion	Ratio	Lower	Upper
172	100		
171	39.4	29.4	44.0
170	28.7	19.4	29.0

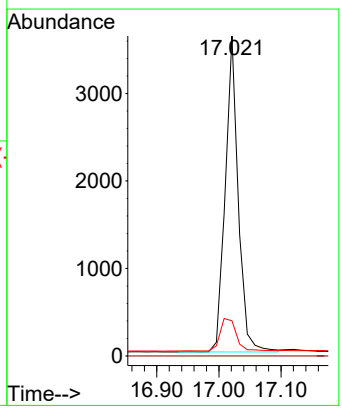


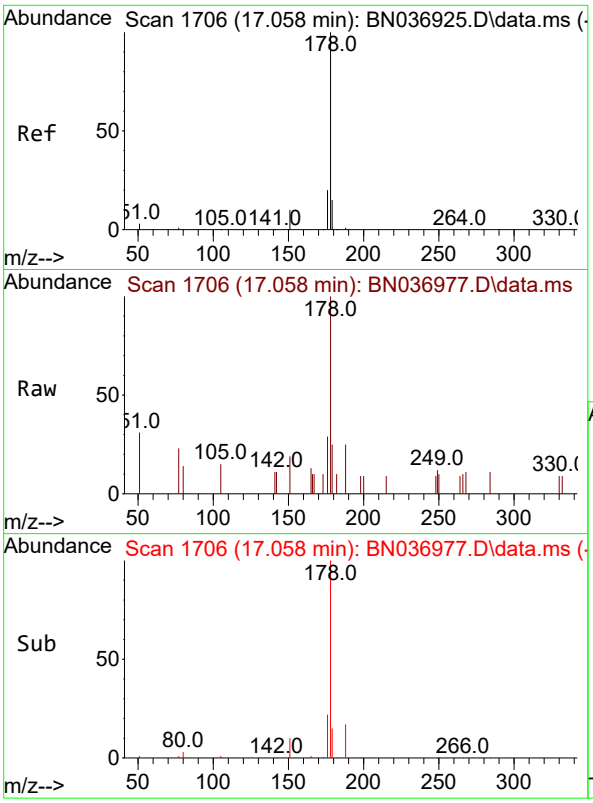


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:188 Resp: 5231

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.0	10.7	16.1



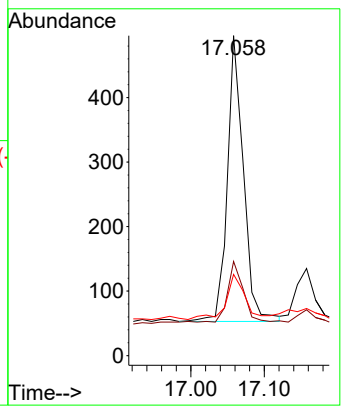


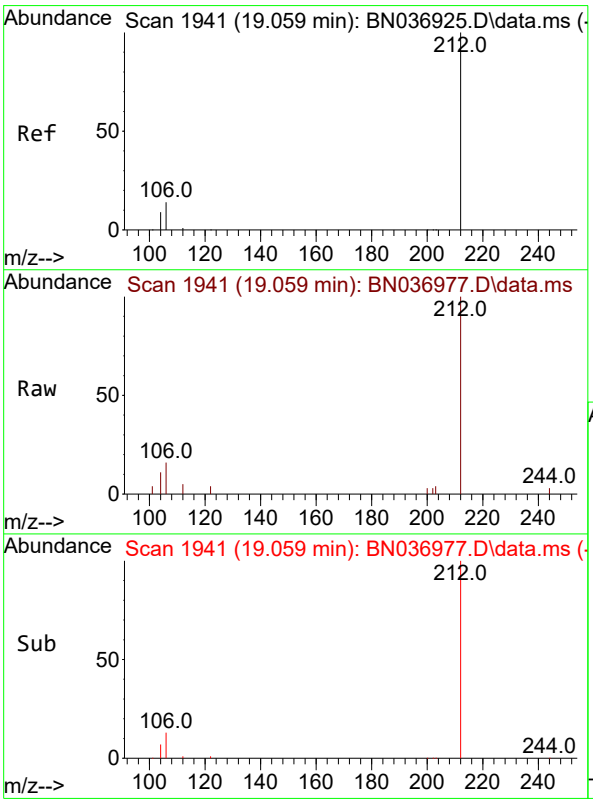
#25
Phenanthrene
Concen: 0.039 ng
RT: 17.058 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:178 Resp: 675

Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.7	23.5
179	18.2	12.4	18.6

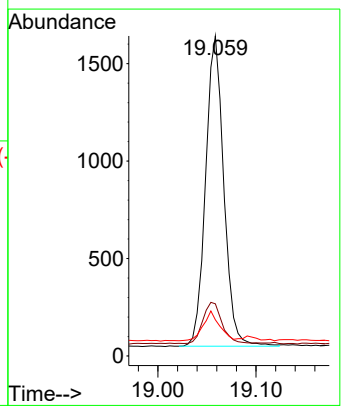


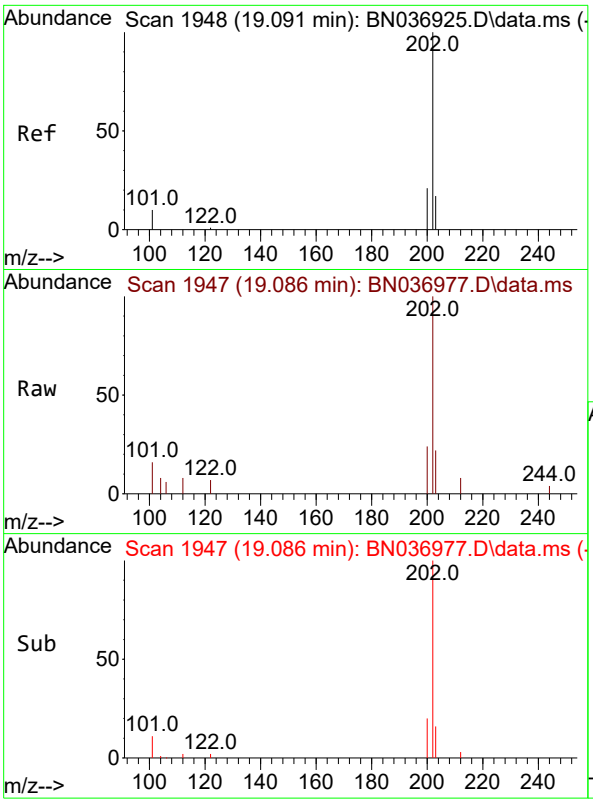


#27
Fluoranthene-d10
Concen: 0.151 ng
RT: 19.059 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:212 Resp: 2053

Ion	Ratio	Lower	Upper
212	100		
106	14.0	11.6	17.4
104	8.7	7.0	10.4



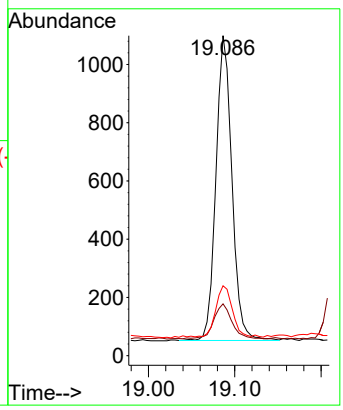


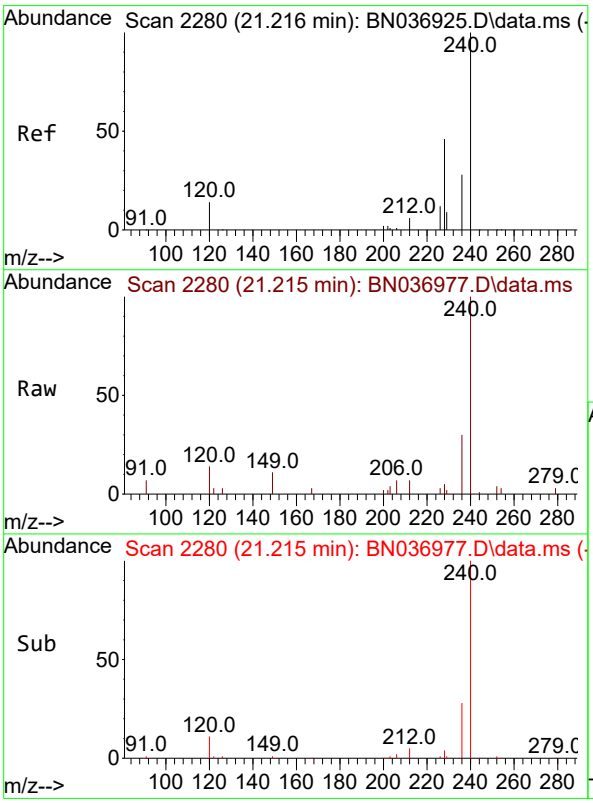
#28
Fluoranthene
Concen: 0.070 ng
RT: 19.086 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:202 Resp: 1351

Ion	Ratio	Lower	Upper
202	100		
101	12.9	8.5	12.7#
203	17.9	13.7	20.5

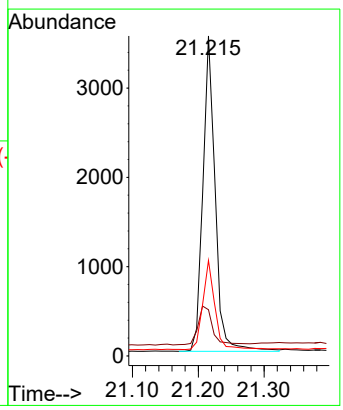


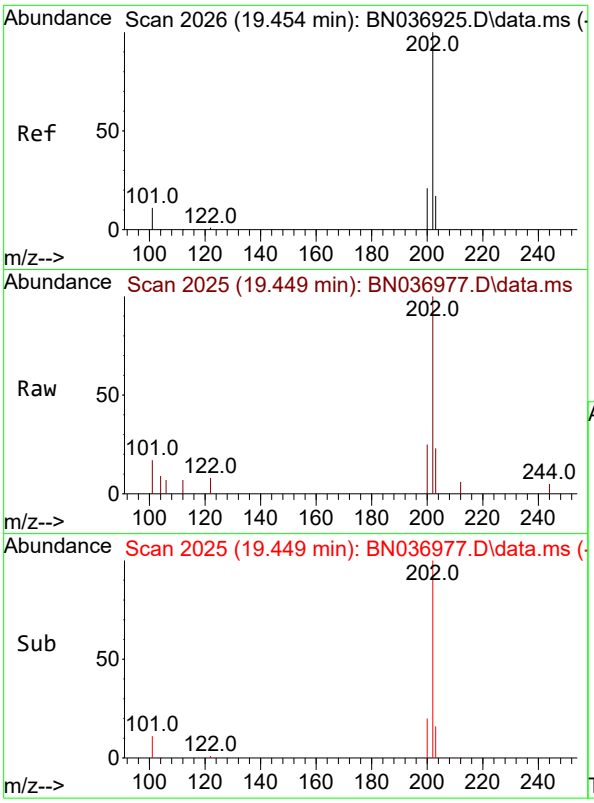


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:240 Resp: 4605

Ion	Ratio	Lower	Upper
240	100		
120	14.5	14.1	21.1
236	29.8	23.8	35.8



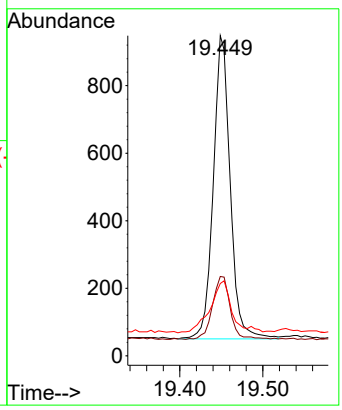


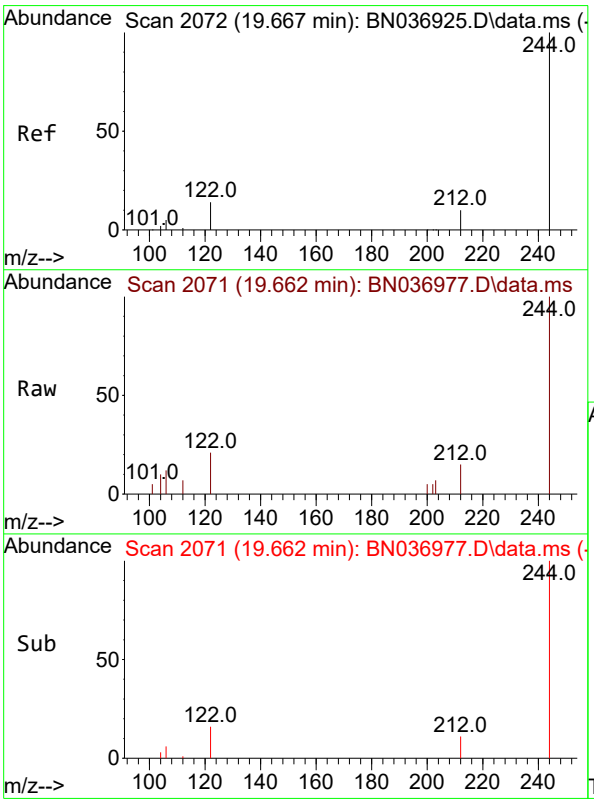
#30
Pyrene
Concen: 0.057 ng
RT: 19.449 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:202 Resp: 1267

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.6
203	21.2	14.0	21.0#

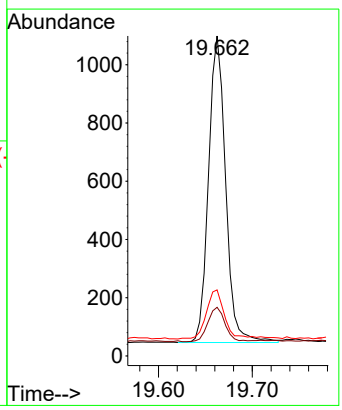


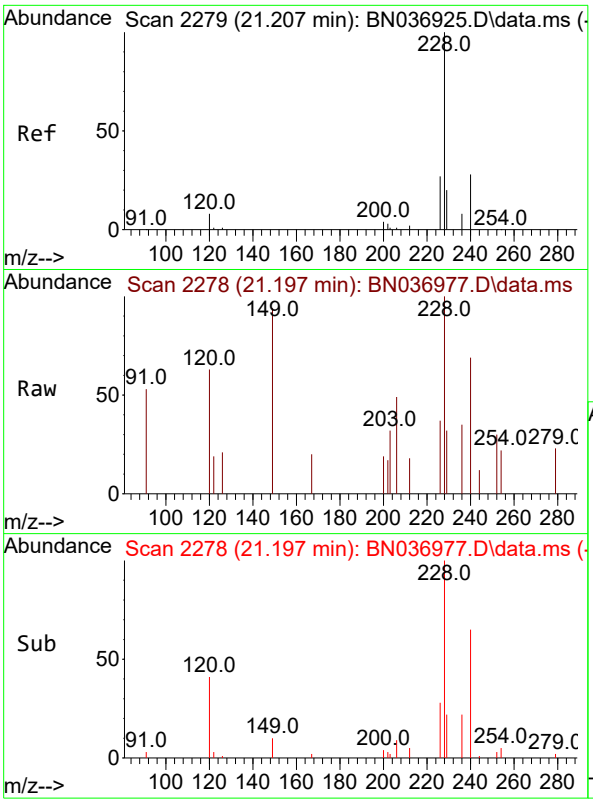


#31
Terphenyl-d14
Concen: 0.123 ng
RT: 19.662 min Scan# 2071
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:244 Resp: 1336

Ion	Ratio	Lower	Upper
244	100		
212	15.2	9.6	14.4#
122	20.7	12.7	19.1#



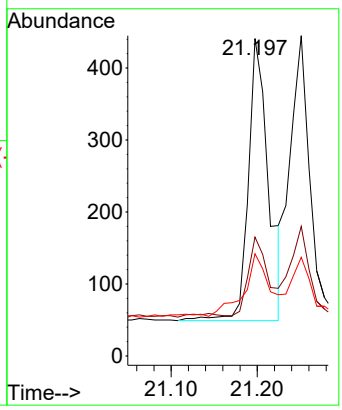


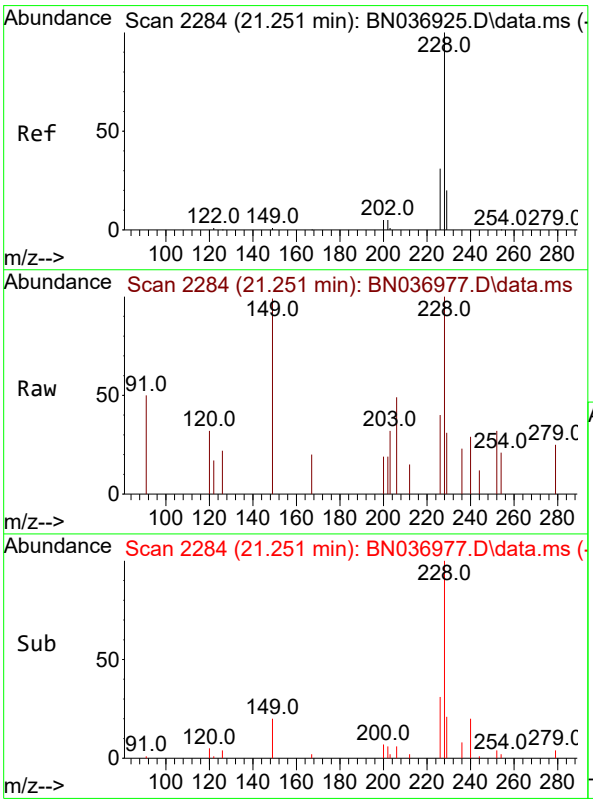
#32
Benzo(a)anthracene
Concen: 0.038 ng
RT: 21.197 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:228 Resp: 639

Ion	Ratio	Lower	Upper
228	100		
226	37.4	22.2	33.4#
229	32.2	16.4	24.6#

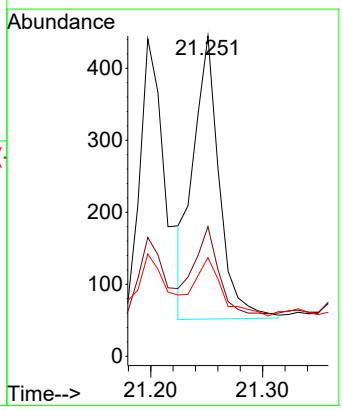


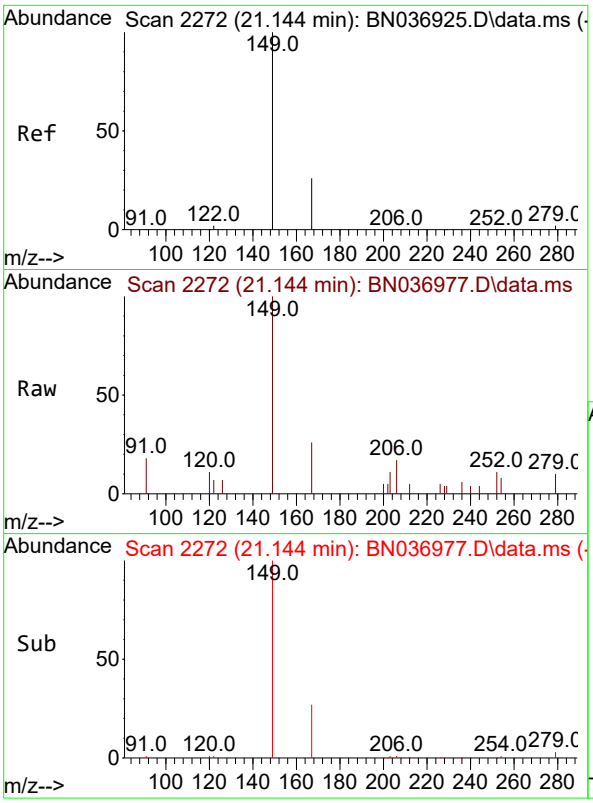


#33
Chrysene
Concen: 0.035 ng
RT: 21.251 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:228 Resp: 634

Ion	Ratio	Lower	Upper
228	100		
226	40.4	25.5	38.3#
229	30.8	16.5	24.7#



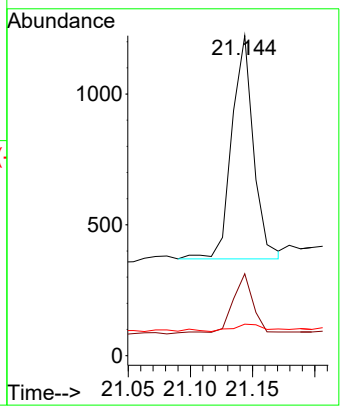


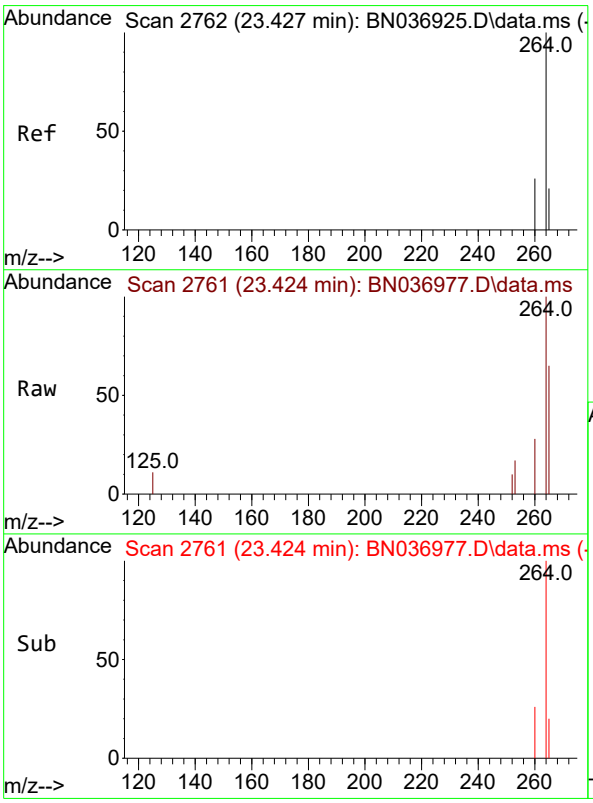
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.107 ng
RT: 21.144 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:149 Resp: 1033

Ion	Ratio	Lower	Upper
149	100		
167	24.4	21.0	31.6
279	5.2	2.7	4.1#

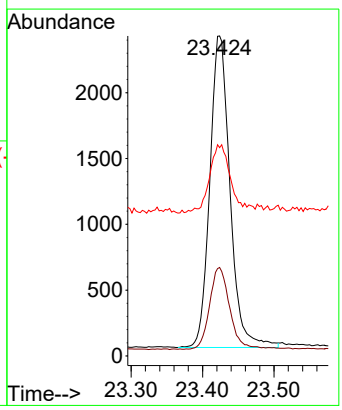


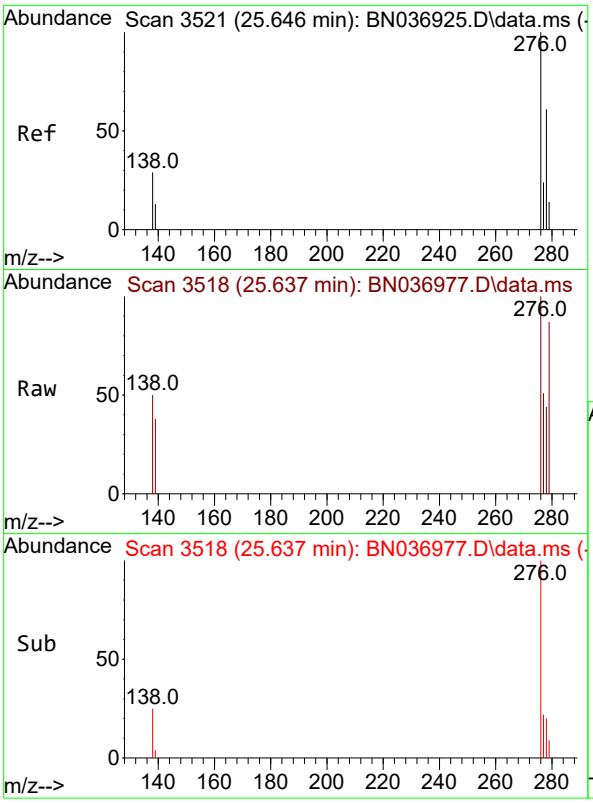


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.424 min Scan# 2761
Delta R.T. -0.003 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:264 Resp: 4646

Ion	Ratio	Lower	Upper
264	100		
260	27.6	22.2	33.2
265	65.1	65.8	98.6#



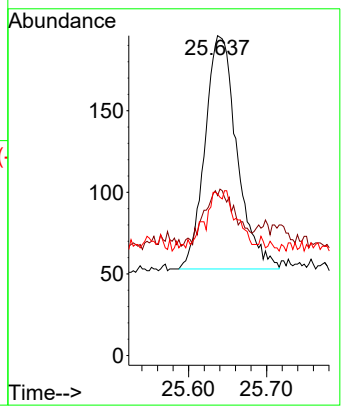


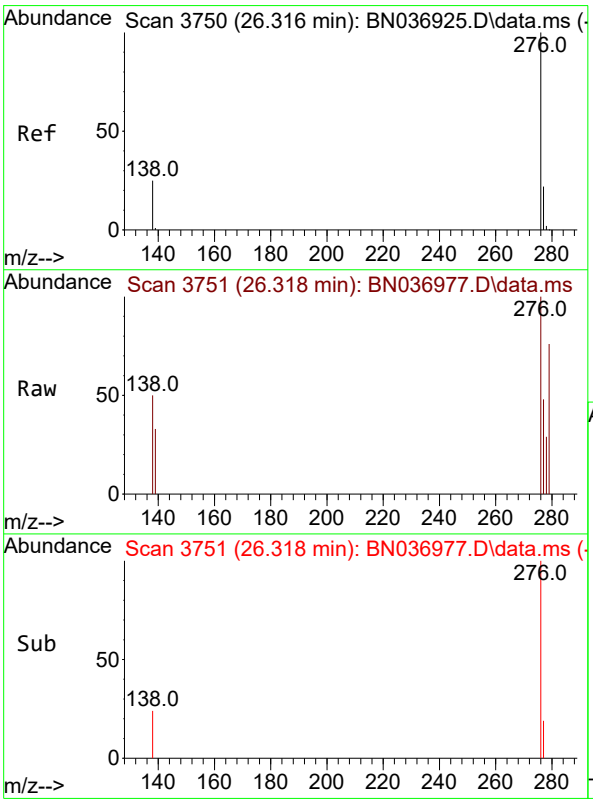
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.022 ng
RT: 25.637 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:276 Resp: 409

Ion	Ratio	Lower	Upper
276	100		
138	22.2	23.0	34.6#
277	5.6	20.0	30.0#

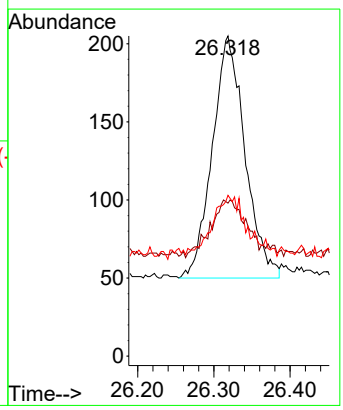




#41
Benzo(g,h,i)perylene
Concen: 0.028 ng
RT: 26.318 min Scan# 3751
Delta R.T. 0.003 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:276 Resp: 462

Ion	Ratio	Lower	Upper
276	100		
277	47.8	20.2	30.2#
138	50.2	21.9	32.9#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036974.D
Acq On : 08 May 2025 15:40
Operator : RC/JU
Sample : Q1939-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB2B

Quant Time: May 08 16:42:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

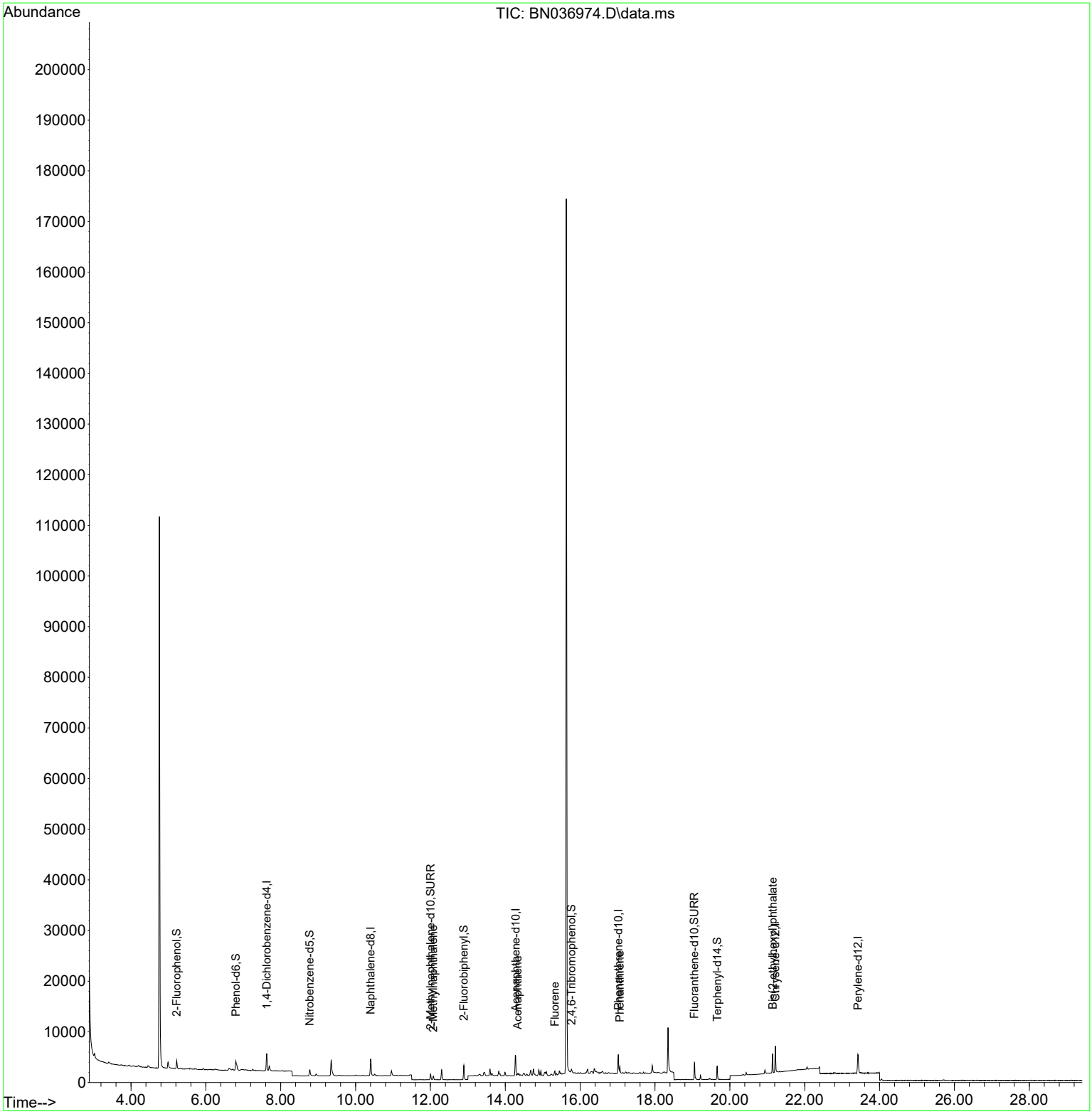
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.626	152	1602	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4100	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2293	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	4908	0.400	ng	# 0.00
29) Chrysene-d12	21.216	240	4614	0.400	ng	# 0.00
35) Perylene-d12	23.421	264	4836	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.221	112	1131	0.276	ng	0.00
5) Phenol-d6	6.802	99	1419	0.281	ng	0.00
8) Nitrobenzene-d5	8.771	82	1102	0.257	ng	-0.01
11) 2-Methylnaphthalene-d10	12.006	152	1490	0.260	ng	0.00
14) 2,4,6-Tribromophenol	15.768	330	257	0.251	ng	0.00
15) 2-Fluorobiphenyl	12.894	172	2873	0.259	ng	0.00
27) Fluoranthene-d10	19.054	212	3646	0.287	ng	0.00
31) Terphenyl-d14	19.663	244	2536	0.233	ng	0.00
Target Compounds						Qvalue
12) 2-Methylnaphthalene	12.077	142	470	0.061	ng	# 91
17) Acenaphthene	14.331	154	148	0.020	ng	# 45
18) Fluorene	15.325	166	398	0.041	ng	# 86
25) Phenanthrene	17.058	178	1352	0.083	ng	# 95
34) Bis(2-ethylhexyl)phtha...	21.144	149	3585	0.371	ng	99

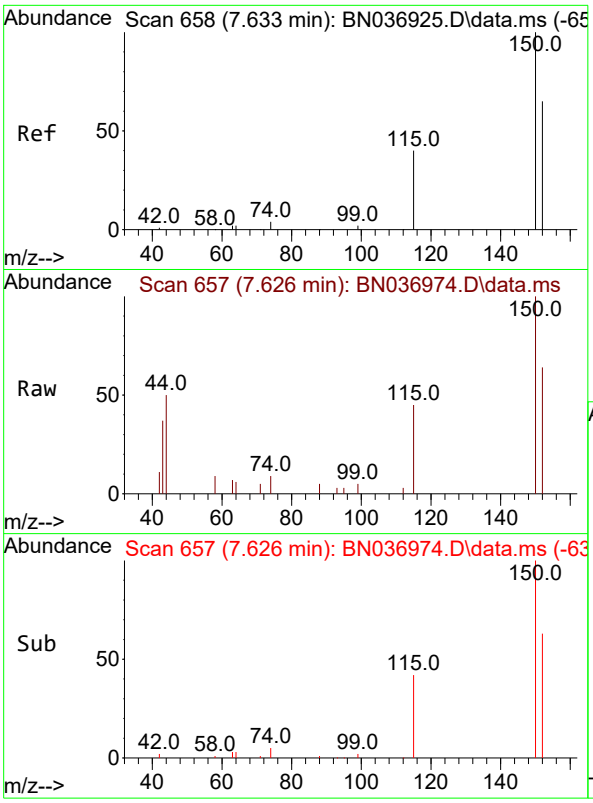
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036974.D
Acq On : 08 May 2025 15:40
Operator : RC/JU
Sample : Q1939-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB2B

Quant Time: May 08 16:42:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



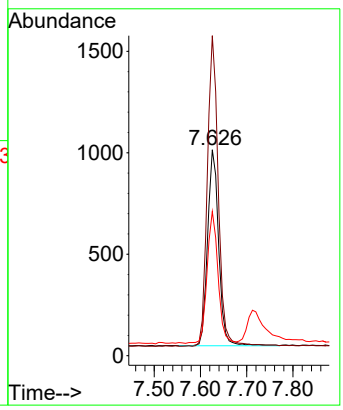


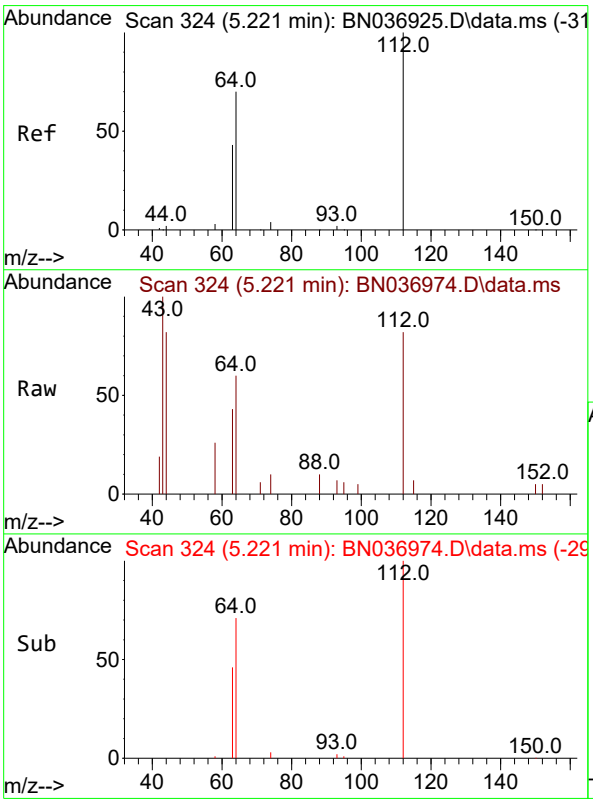
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.626 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Instrument :
BNA_N
ClientSampleId :
GB2B

Tgt Ion:152 Resp: 1602

Ion	Ratio	Lower	Upper
152	100		
150	155.4	121.1	181.7
115	70.0	51.8	77.6

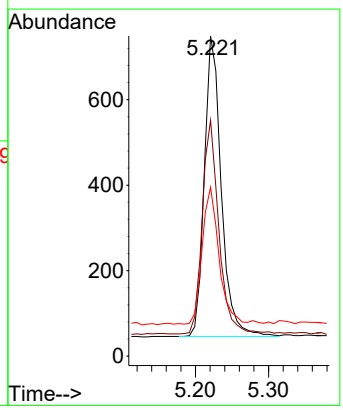


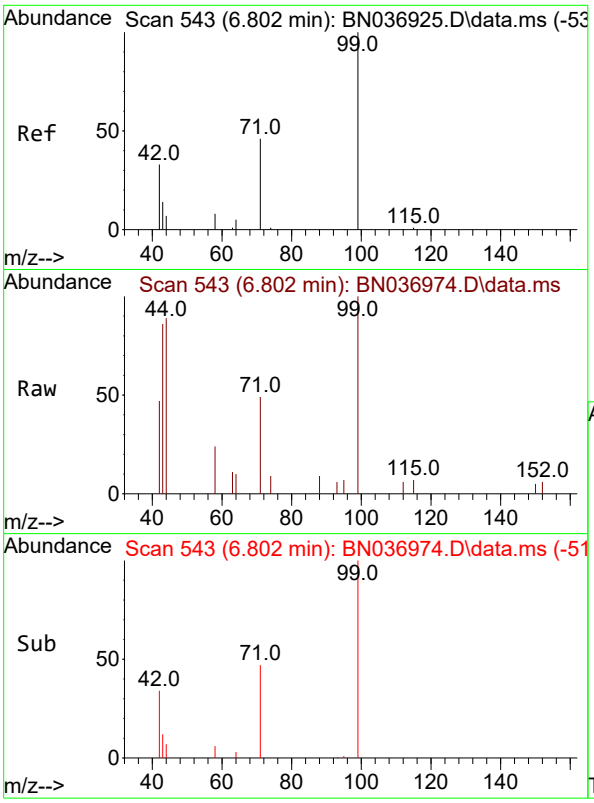


#4
2-Fluorophenol
Concen: 0.276 ng
RT: 5.221 min Scan# 324
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:112 Resp: 1131

Ion	Ratio	Lower	Upper
112	100		
64	69.8	55.7	83.5
63	45.1	33.9	50.9



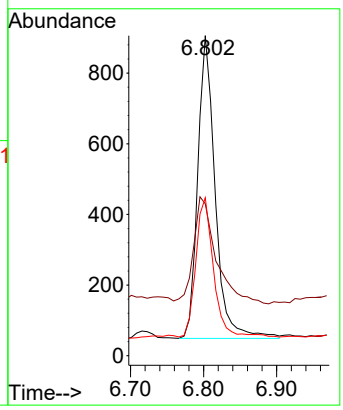


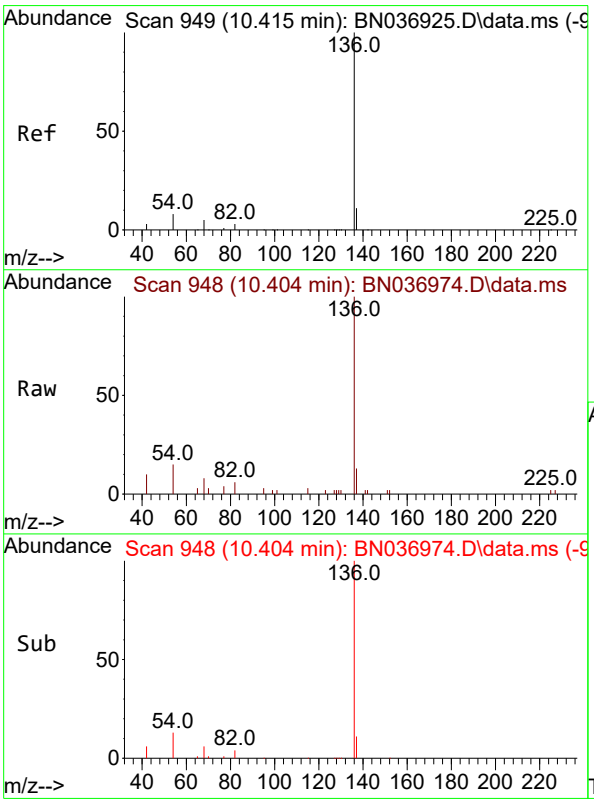
#5
Phenol-d6
Concen: 0.281 ng
RT: 6.802 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Instrument :
BNA_N
ClientSampleId :
GB2B

Tgt Ion: 99 Resp: 1419

Ion	Ratio	Lower	Upper
99	100		
42	46.0	29.6	44.4#
71	46.9	36.0	54.0

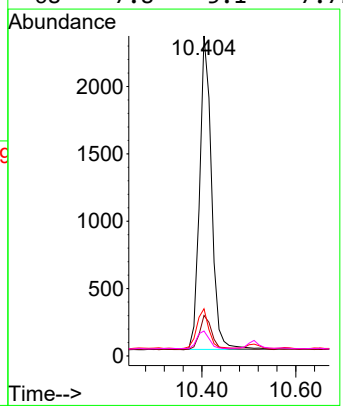


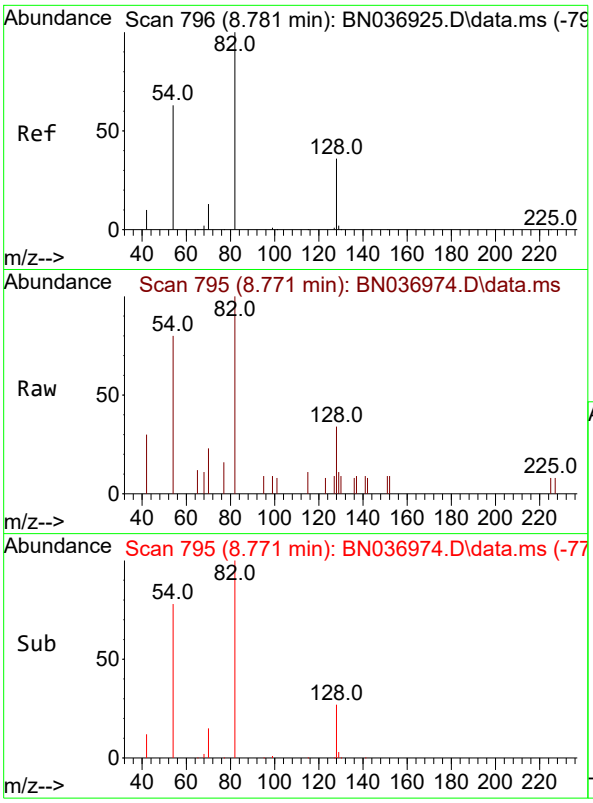


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:136 Resp: 4100

Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.7	14.5
54	14.8	8.0	12.0#
68	7.8	5.1	7.7#



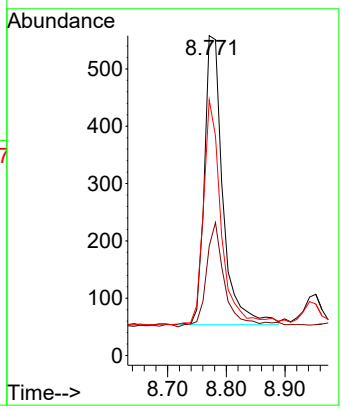


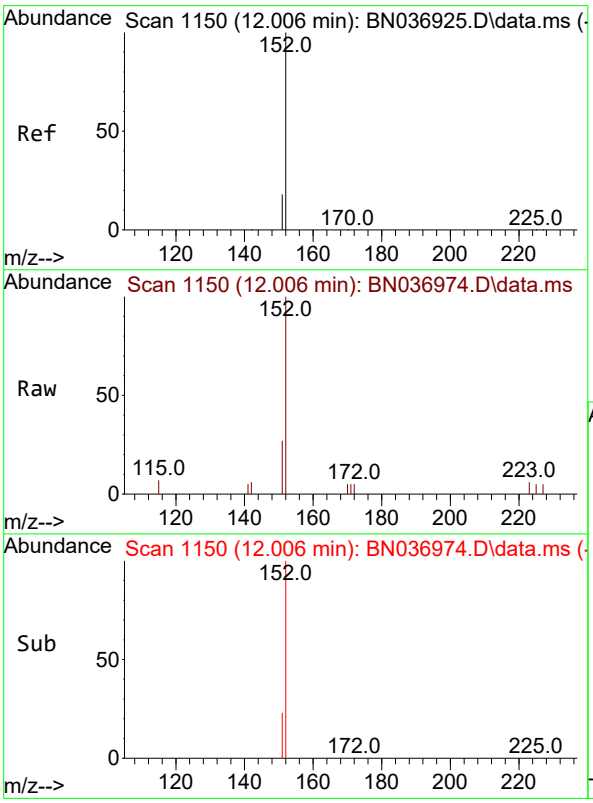
#8
Nitrobenzene-d5
Concen: 0.257 ng
RT: 8.771 min Scan# 7
Delta R.T. -0.011 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Instrument :
BNA_N
ClientSampleId :
GB2B

Tgt Ion: 82 Resp: 1102

Ion	Ratio	Lower	Upper
82	100		
128	34.2	30.7	46.1
54	79.9	52.1	78.1#

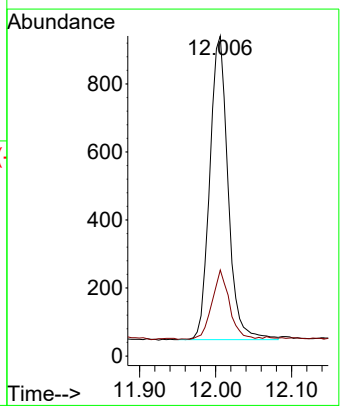


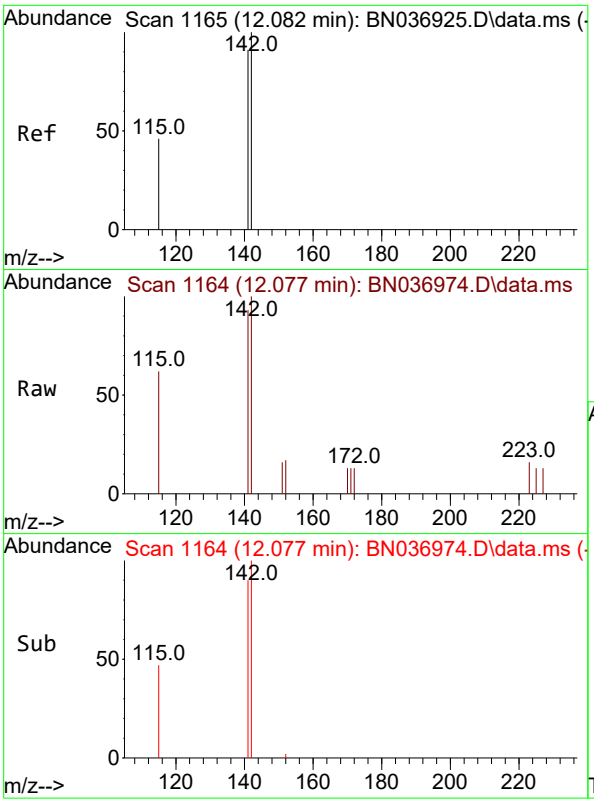


#11
2-Methylnaphthalene-d10
Concen: 0.260 ng
RT: 12.006 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:152 Resp: 1490

Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.9	25.3



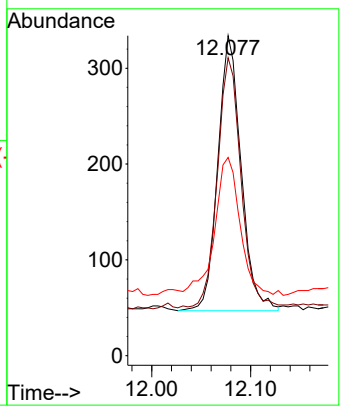


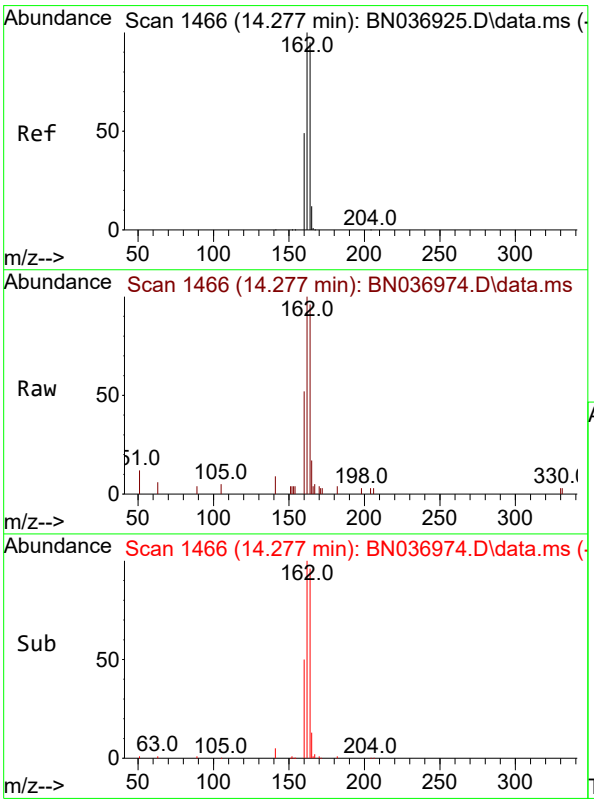
#12
2-Methylnaphthalene
Concen: 0.061 ng
RT: 12.077 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Instrument :
BNA_N
ClientSampleId :
GB2B

Tgt Ion:142 Resp: 470

Ion	Ratio	Lower	Upper
142	100		
141	93.1	72.8	109.2
115	62.0	38.2	57.4#

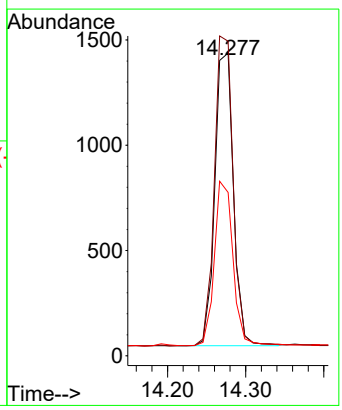


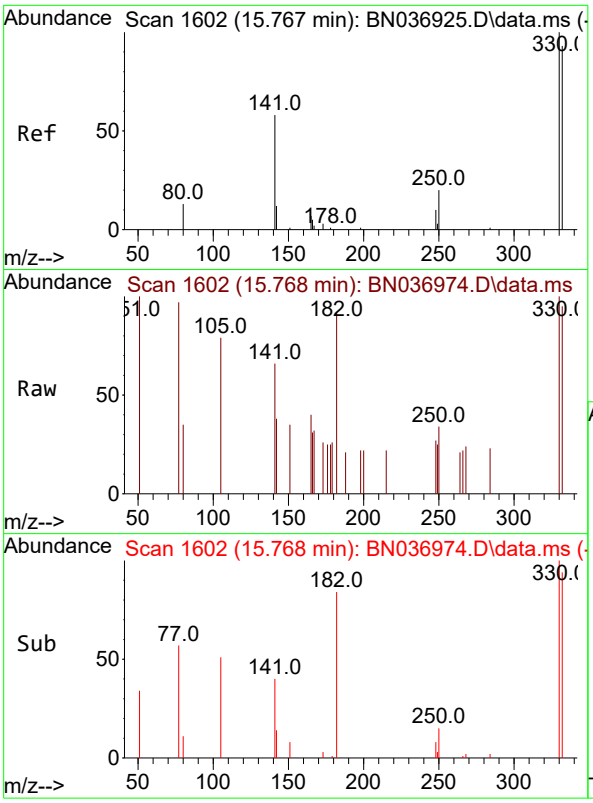


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:164 Resp: 2293

Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.8	125.8
160	54.0	42.0	63.0



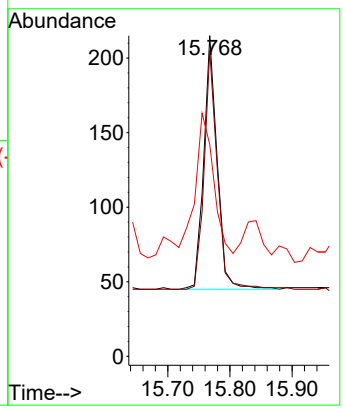


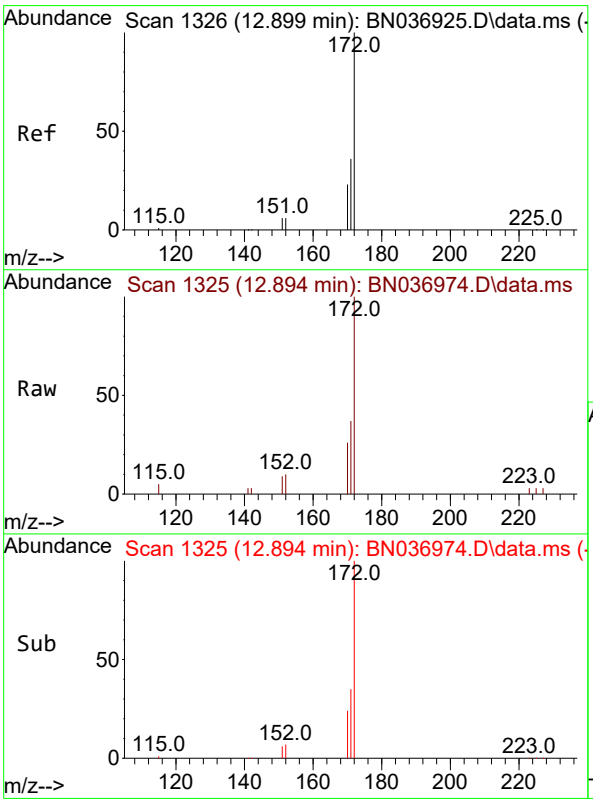
#14
2,4,6-Tribromophenol
Concen: 0.251 ng
RT: 15.768 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Instrument :
BNA_N
ClientSampleId :
GB2B

Tgt Ion:330 Resp: 257

Ion	Ratio	Lower	Upper
330	100		
332	92.6	76.3	114.5
141	93.8	45.4	68.2#

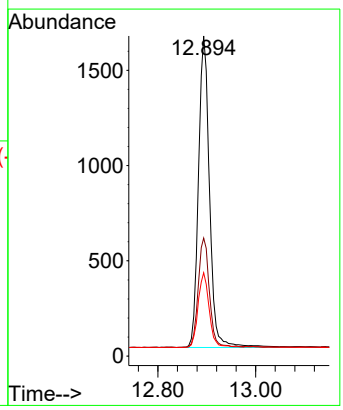


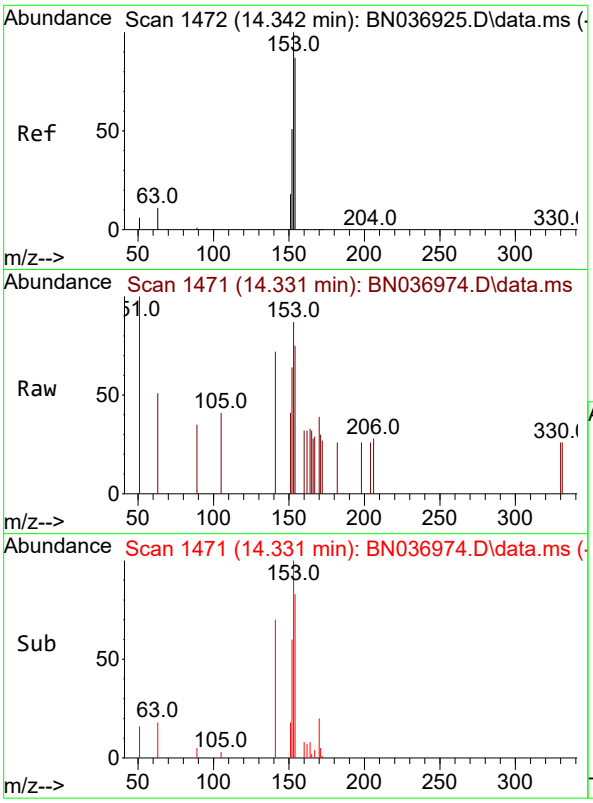


#15
2-Fluorobiphenyl
Concen: 0.259 ng
RT: 12.894 min Scan# 1325
Delta R.T. -0.005 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:172 Resp: 2873

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	26.0	19.4	29.0



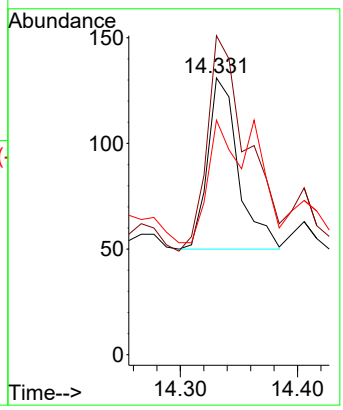


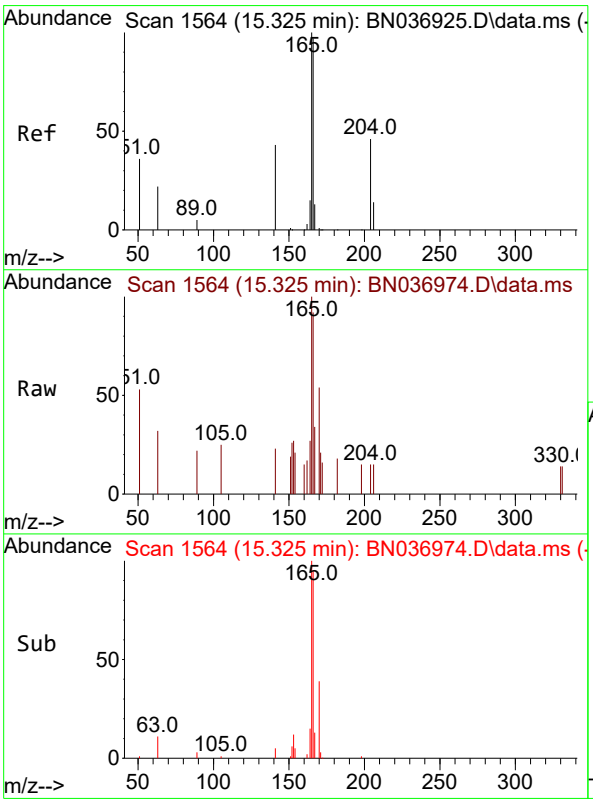
#17
Acenaphthene
Concen: 0.020 ng
RT: 14.331 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Instrument :
BNA_N
ClientSampleId :
GB2B

Tgt Ion:154 Resp: 148

Ion	Ratio	Lower	Upper
154	100		
153	173.0	93.4	140.2#
152	108.8	49.5	74.3#

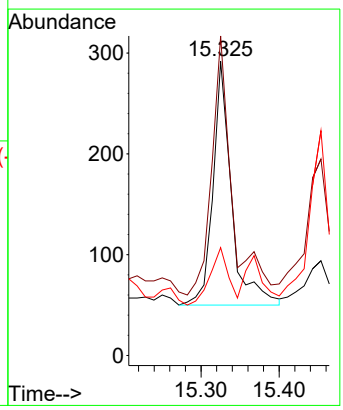


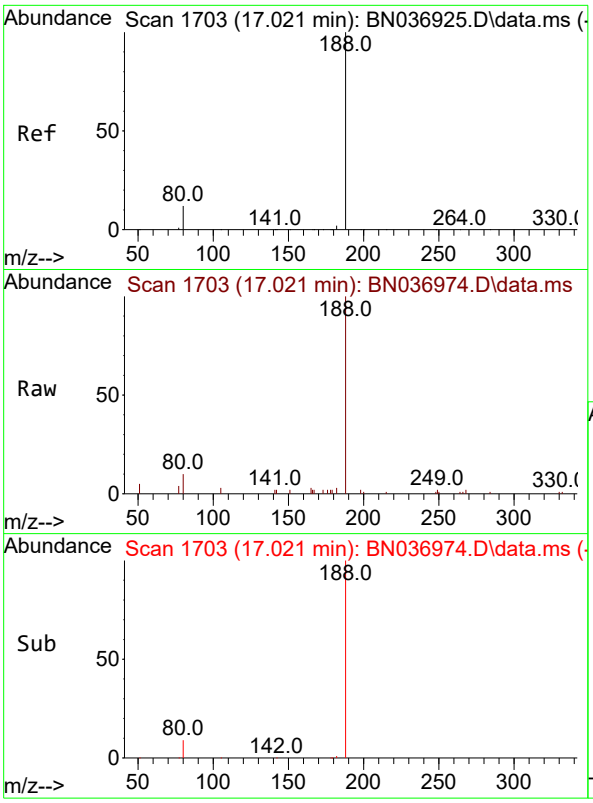


#18
Fluorene
Concen: 0.041 ng
RT: 15.325 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:166 Resp: 398

Ion	Ratio	Lower	Upper
166	100		
165	113.6	80.8	121.2
167	23.4	10.8	16.2#



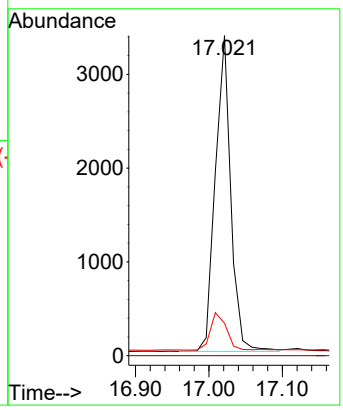


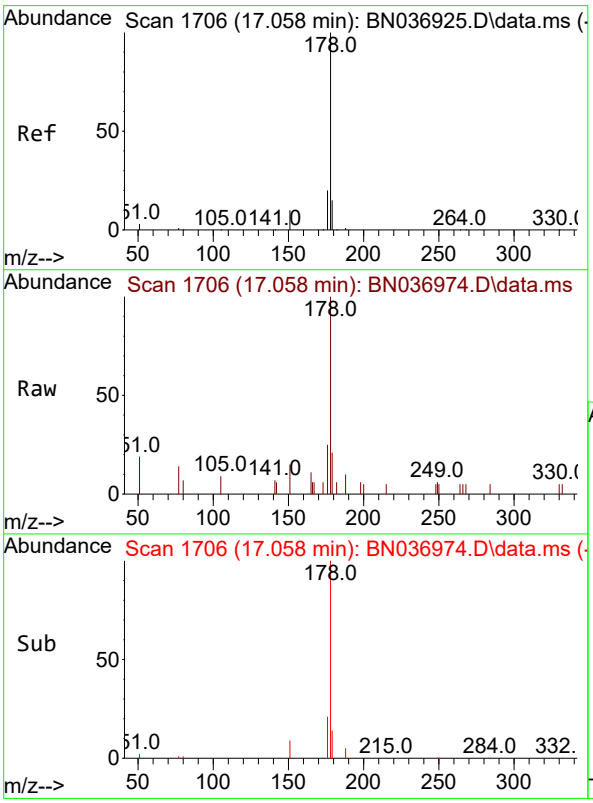
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Instrument :
BNA_N
ClientSampleId :
GB2B

Tgt Ion:188 Resp: 4908

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	10.7	16.1#

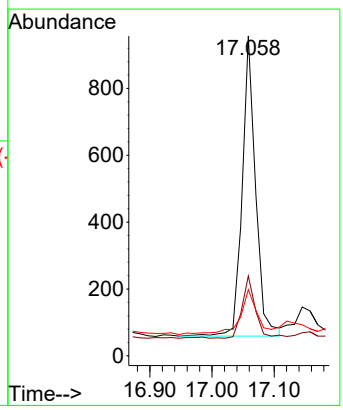


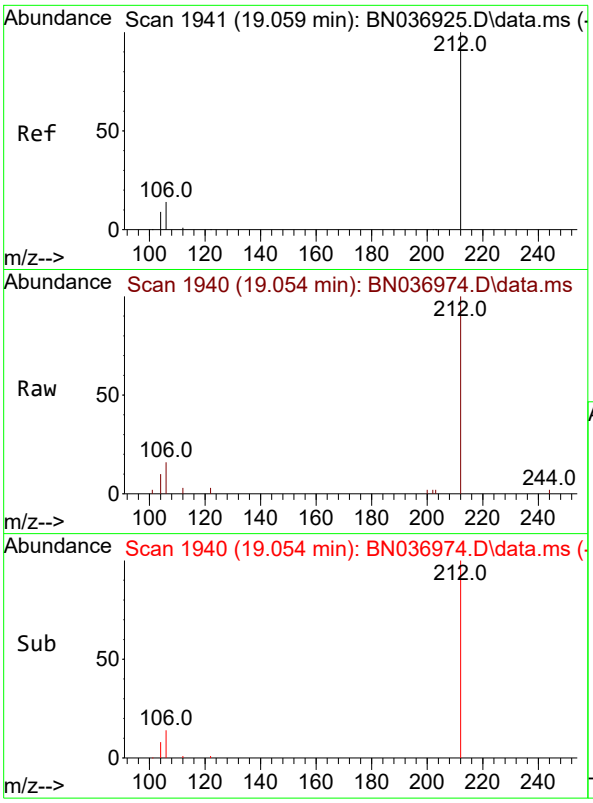


#25
Phenanthrene
Concen: 0.083 ng
RT: 17.058 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:178 Resp: 1352

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.7	23.5
179	19.1	12.4	18.6#



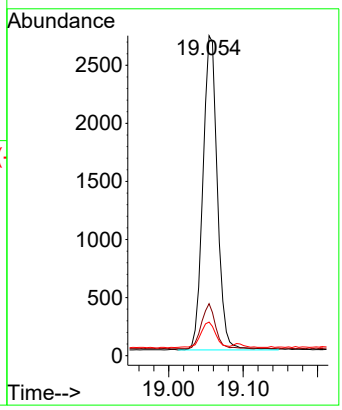


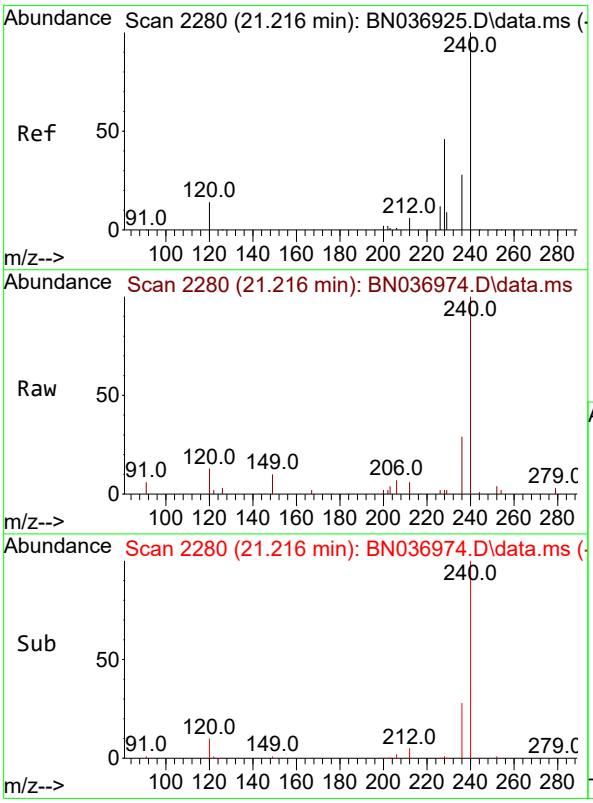
#27
Fluoranthene-d10
Concen: 0.287 ng
RT: 19.054 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Instrument :
BNA_N
ClientSampleId :
GB2B

Tgt Ion:212 Resp: 3646

Ion	Ratio	Lower	Upper
212	100		
106	14.1	11.6	17.4
104	8.7	7.0	10.4

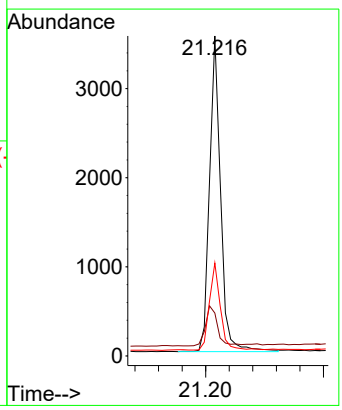


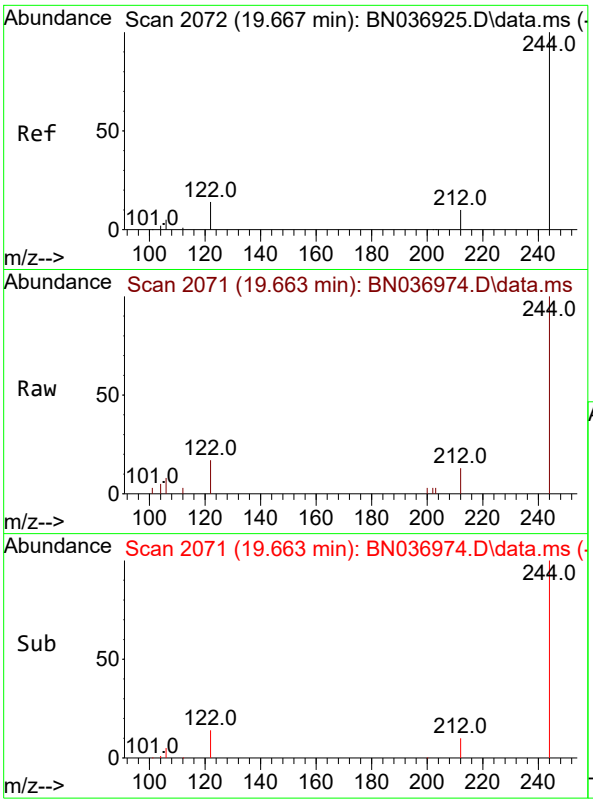


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.216 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:240 Resp: 4614

Ion	Ratio	Lower	Upper
240	100		
120	13.4	14.1	21.1#
236	29.0	23.8	35.8



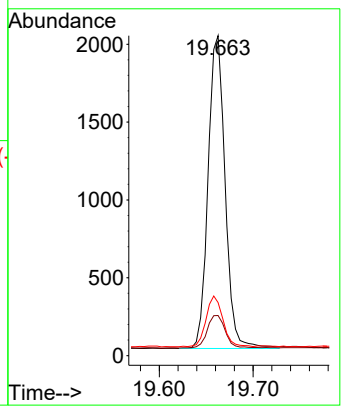


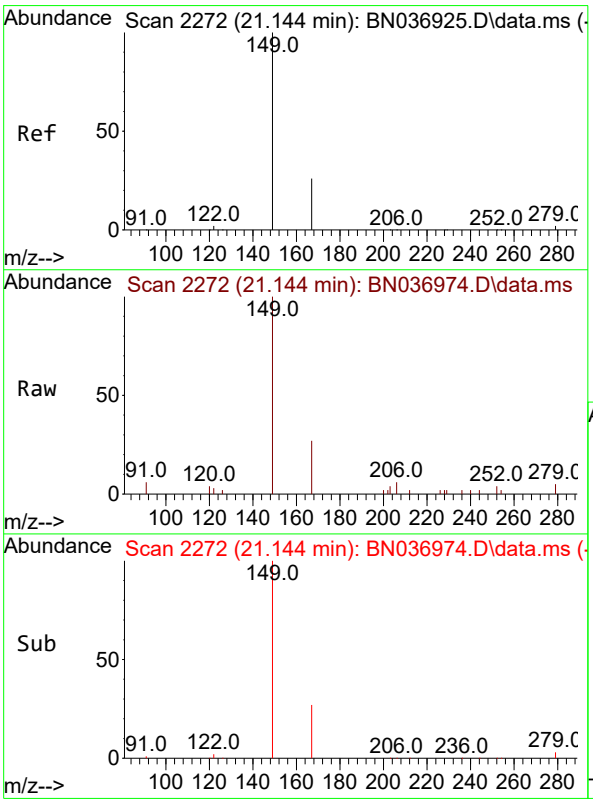
#31
Terphenyl-d14
Concen: 0.233 ng
RT: 19.663 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Instrument :
BNA_N
ClientSampleId :
GB2B

Tgt Ion:244 Resp: 2536

Ion	Ratio	Lower	Upper
244	100		
212	12.6	9.6	14.4
122	16.6	12.7	19.1

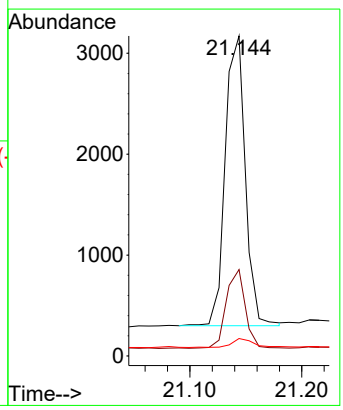


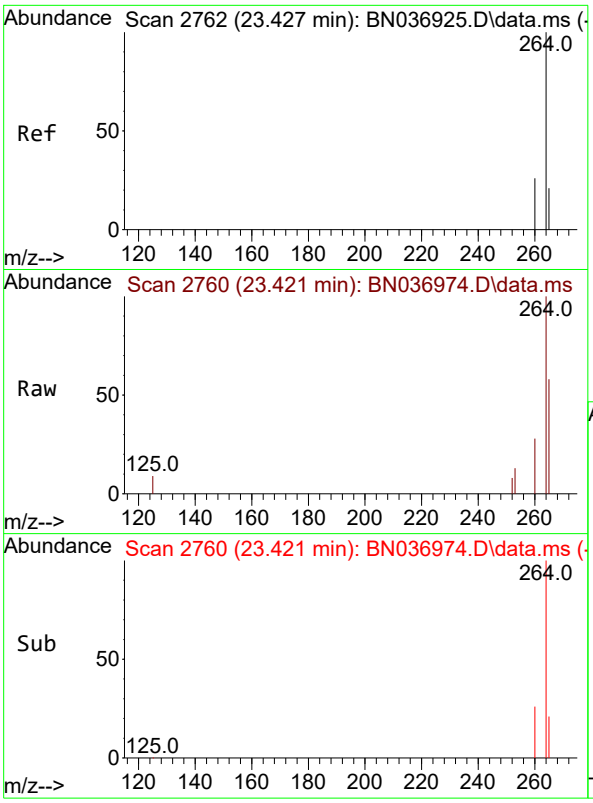


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.371 ng
RT: 21.144 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Tgt Ion:149 Resp: 3585

Ion	Ratio	Lower	Upper
149	100		
167	25.6	21.0	31.6
279	3.4	2.7	4.1



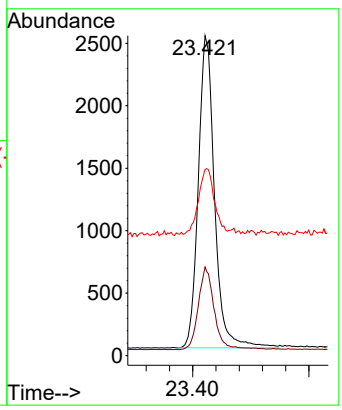


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.421 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN036974.D
Acq: 08 May 2025 15:40

Instrument :
BNA_N
ClientSampleId :
GB2B

Tgt Ion:264 Resp: 4836

Ion	Ratio	Lower	Upper
264	100		
260	27.7	22.2	33.2
265	58.3	65.8	98.6#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036978.D
Acq On : 08 May 2025 18:05
Operator : RC/JU
Sample : Q1939-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 08 18:28:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GB3B

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	3567	0.400	ng	# 0.00
7) Naphthalene-d8	10.404	136	9662	0.400	ng	#-0.01
13) Acenaphthene-d10	14.266	164	26498	0.400	ng	#-0.01
19) Phenanthrene-d10	17.033	188	7588	0.400	ng	# 0.01
29) Chrysene-d12	21.215	240	6896	0.400	ng	# 0.00
35) Perylene-d12	23.421	264	7149	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	2181	0.239	ng	0.00
5) Phenol-d6	6.809	99	7430	0.662	ng	0.00
8) Nitrobenzene-d5	8.760	82	70053	6.930	ng	-0.02
11) 2-Methylnaphthalene-d10	12.016	152	5724	0.424	ng	0.00
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	12.888	172	6785m	0.053	ng	-0.01
27) Fluoranthene-d10	19.063	212	4801	0.244	ng	0.00
31) Terphenyl-d14	19.663	244	3183	0.196	ng	0.00
Target Compounds						Qvalue
12) 2-Methylnaphthalene	12.097	142	3671578	201.969	ng	96
18) Fluorene	15.336	166	296195	2.662	ng	# 79
25) Phenanthrene	17.071	178	899419	35.912	ng	# 90
26) Anthracene	17.157	178	120627	5.325	ng	# 79
28) Fluoranthene	19.091	202	98144	3.497	ng	# 91
30) Pyrene	19.453	202	160708	4.839	ng	98
32) Benzo(a)anthracene	21.197	228	33457	1.317	ng	# 88
33) Chrysene	21.251	228	35222	1.286	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.144	149	3374	0.234	ng	91
36) Indeno(1,2,3-cd)pyrene	25.634	276	18789	0.644	ng	97
37) Benzo(b)fluoranthene	22.760	252	37102	1.234	ng	97
38) Benzo(k)fluoranthene	22.801	252	12029m	0.398	ng	
39) Benzo(a)pyrene	23.325	252	32232m	1.304	ng	
40) Dibenzo(a,h)anthracene	25.634	278	7215	0.314	ng	# 88
41) Benzo(g,h,i)perylene	26.313	276	24364	0.955	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036978.D
Acq On : 08 May 2025 18:05
Operator : RC/JU
Sample : Q1939-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 08 18:28:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GB3B

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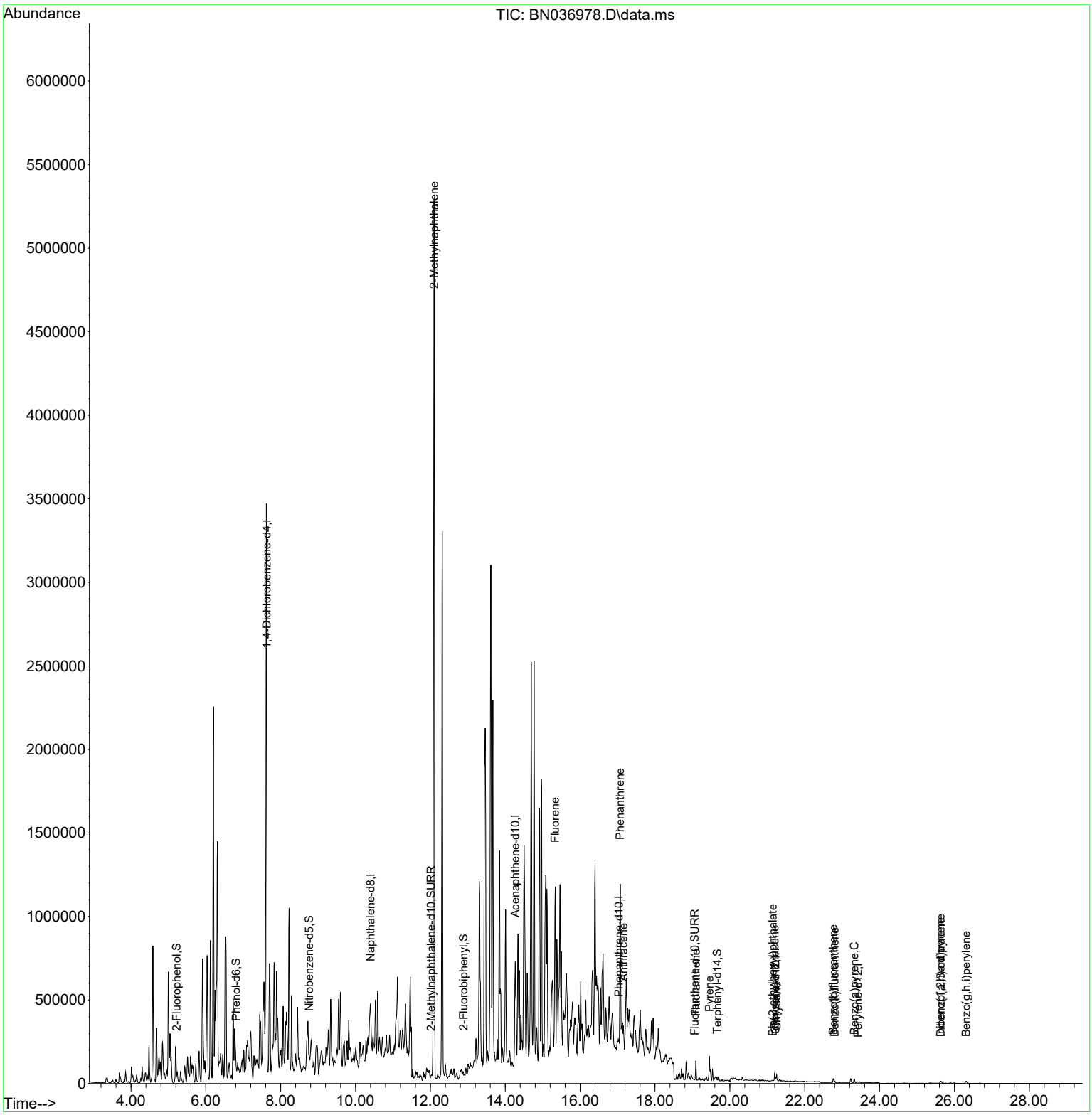
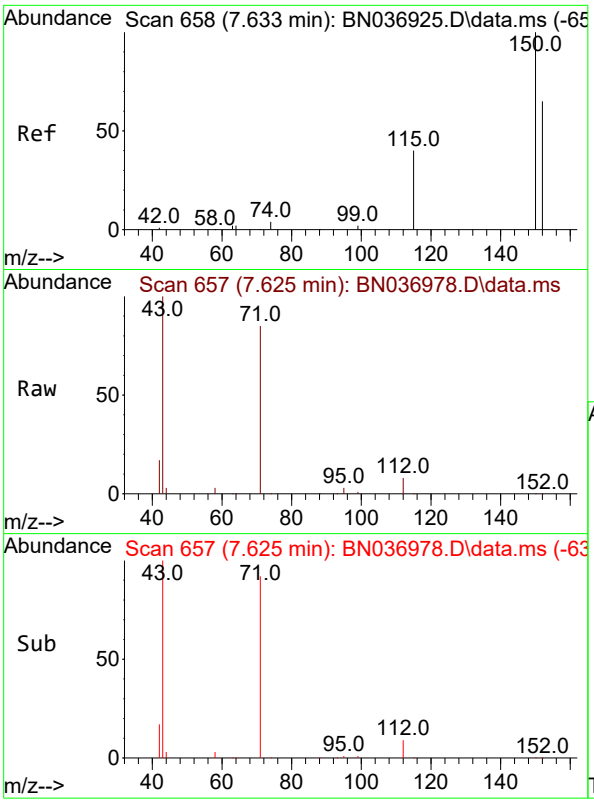
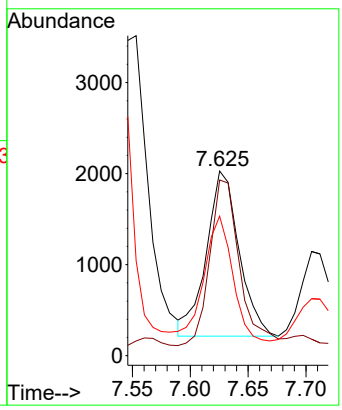




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 6
Delta R.T. -0.008 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:152 Resp: 356

Ion	Ratio	Lower	Upper
152	100		
150	95.2	121.1	181.7#
115	75.5	51.8	77.6



Instrument :
BNA_N
ClientSampleId :
GB3B

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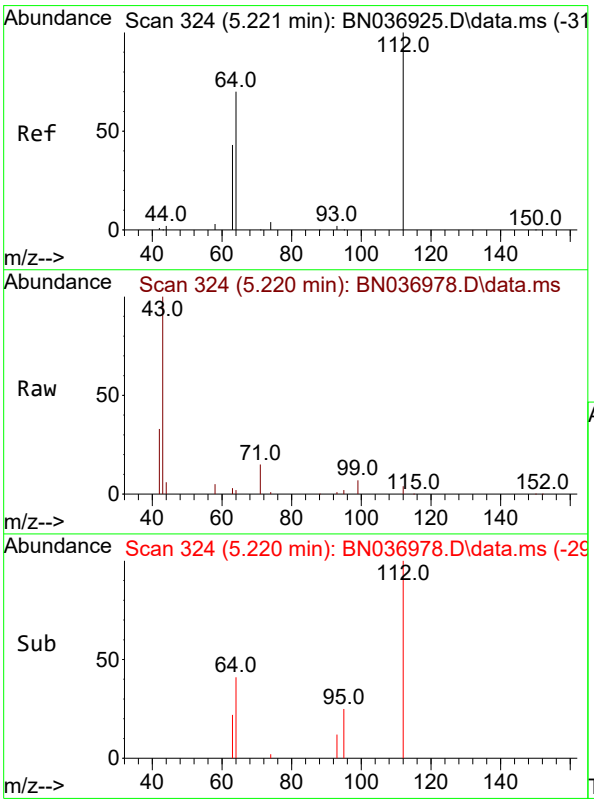
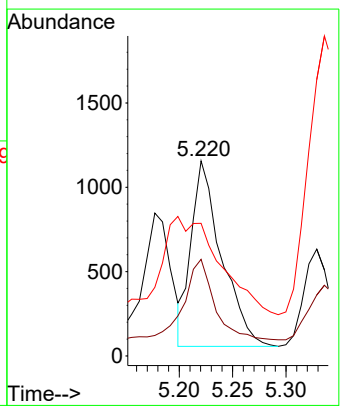
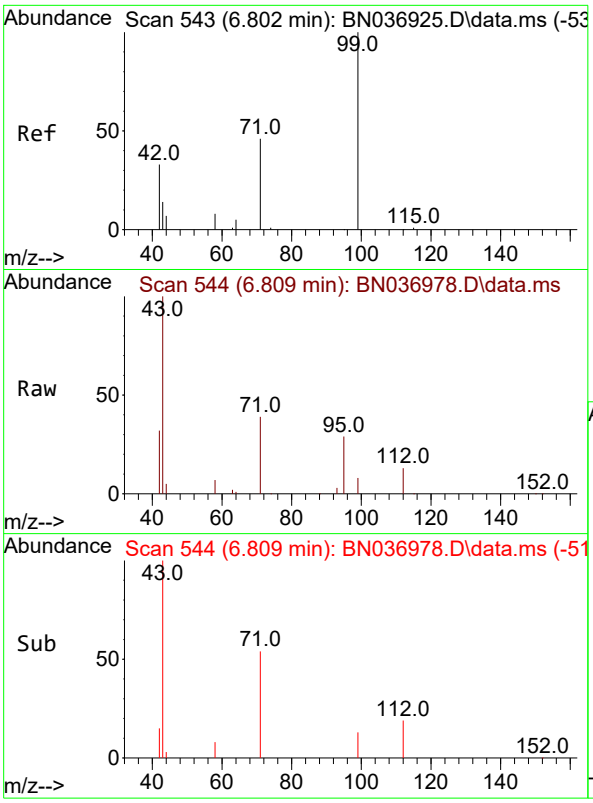


#4
2-Fluorophenol
Concen: 0.239 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:112 Resp: 2181

Ion	Ratio	Lower	Upper
112	100		
64	53.9	55.7	83.5#
63	0.0	33.9	50.9#

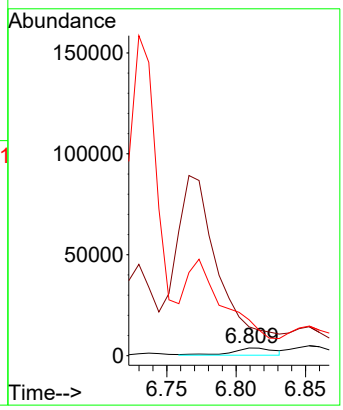




#5
Phenol-d6
Concen: 0.662 ng
RT: 6.809 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion: 99 Resp: 743

Ion	Ratio	Lower	Upper
99	100		
42	0.0	29.6	44.4#
71	0.0	36.0	54.0#



Instrument :
BNA_N
ClientSampleId :
GB3B

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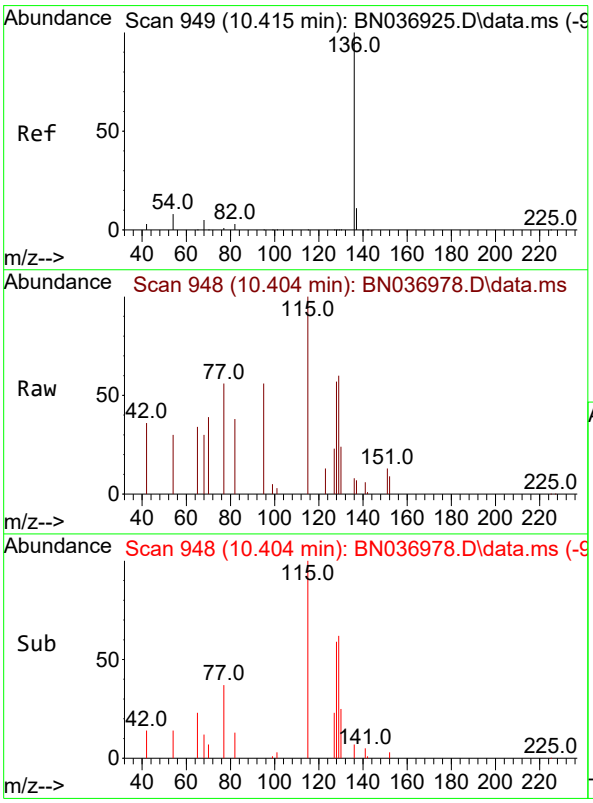
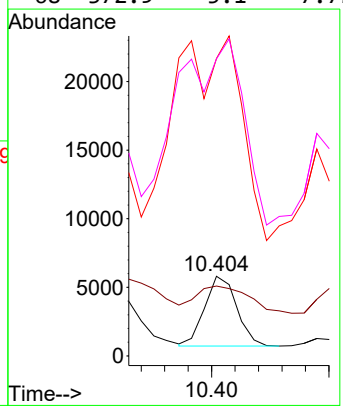
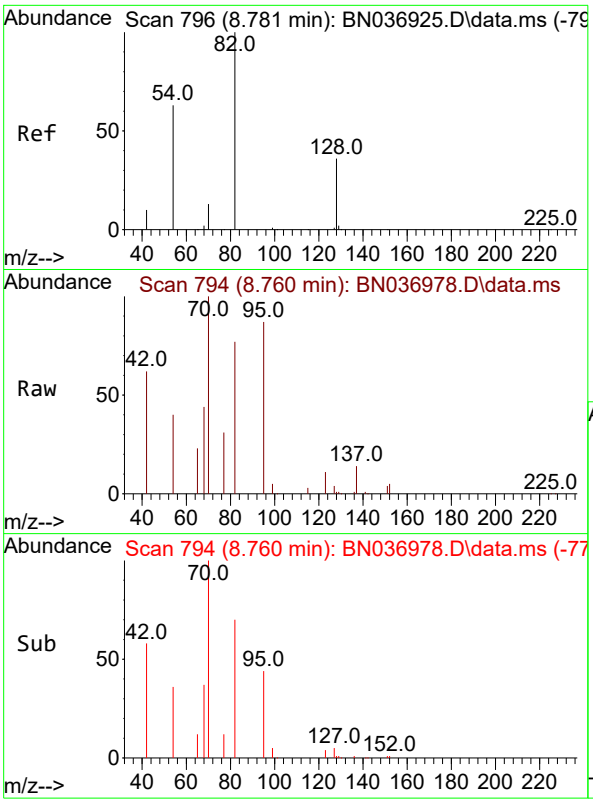


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:136 Resp: 9662

Ion	Ratio	Lower	Upper
136	100		
137	87.7	9.7	14.5#
54	373.3	8.0	12.0#
68	372.9	5.1	7.7#

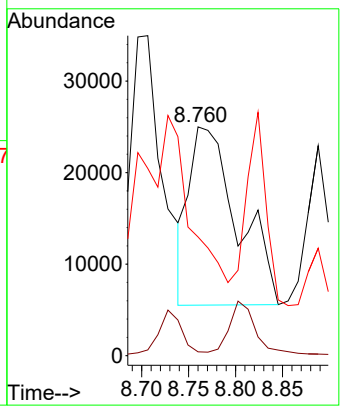




#8
Nitrobenzene-d5
Concen: 6.930 ng
RT: 8.760 min Scan# 7
Delta R.T. -0.022 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion: 82 Resp: 7005

Ion	Ratio	Lower	Upper
82	100		
128	1.7	30.7	46.1#
54	51.9	52.1	78.1#



Instrument :
BNA_N
ClientSampleId :
GB3B

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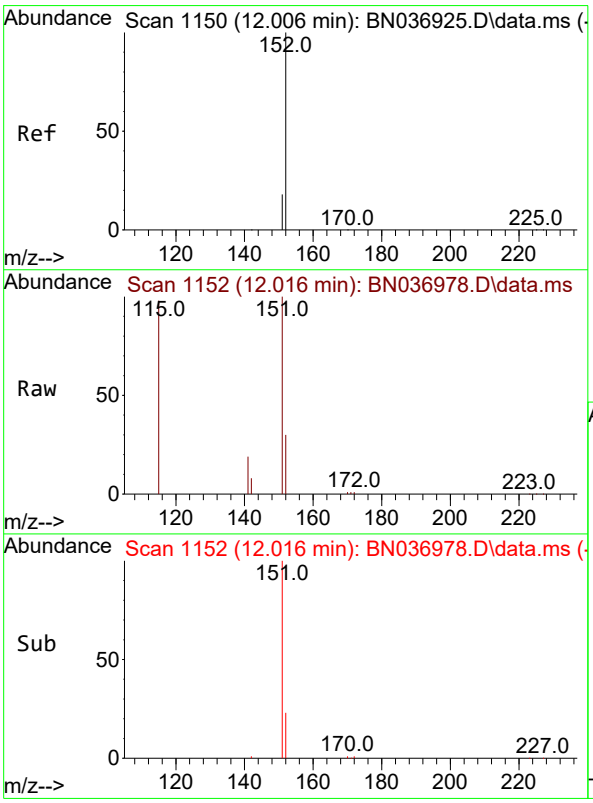
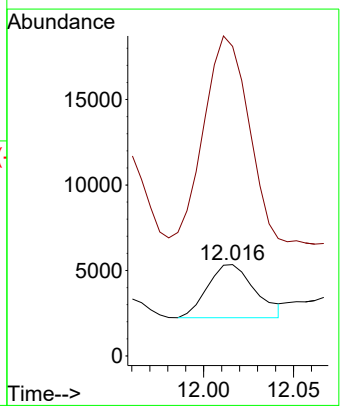
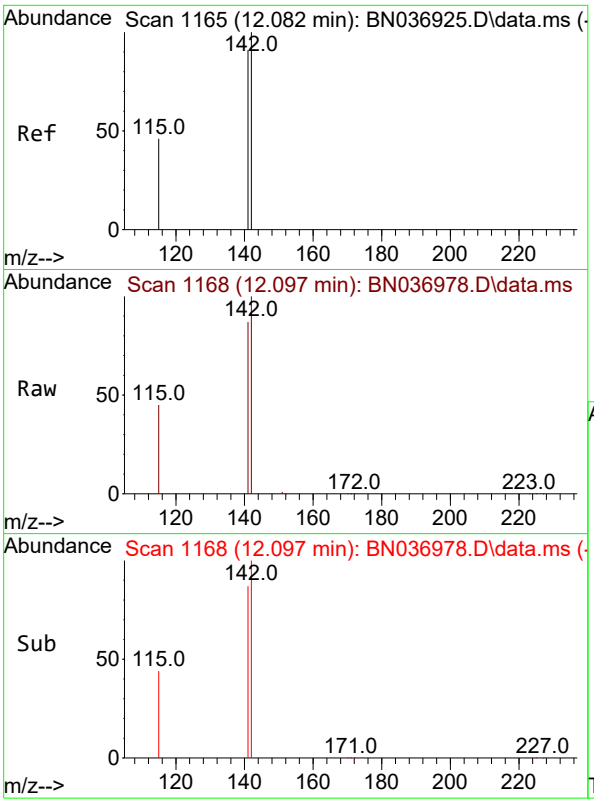


#11
2-Methylnaphthalene-d10
Concen: 0.424 ng
RT: 12.016 min Scan# 1152
Delta R.T. 0.010 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:152 Resp: 5724

Ion	Ratio	Lower	Upper
152	100		
151	413.9	16.9	25.3#

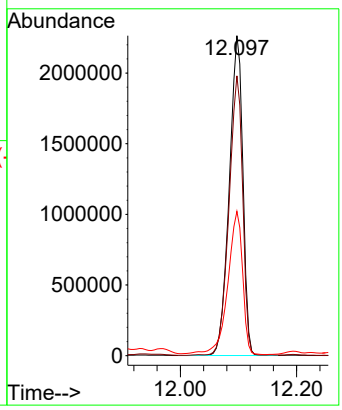




#12
2-Methylnaphthalene
Concen: 201.969 ng
RT: 12.097 min Scan# 1
Delta R.T. 0.015 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:142 Resp: 367157

Ion	Ratio	Lower	Upper
142	100		
141	87.4	72.8	109.2
115	45.1	38.2	57.4



Instrument :
BNA_N
ClientSampleId :
GB3B

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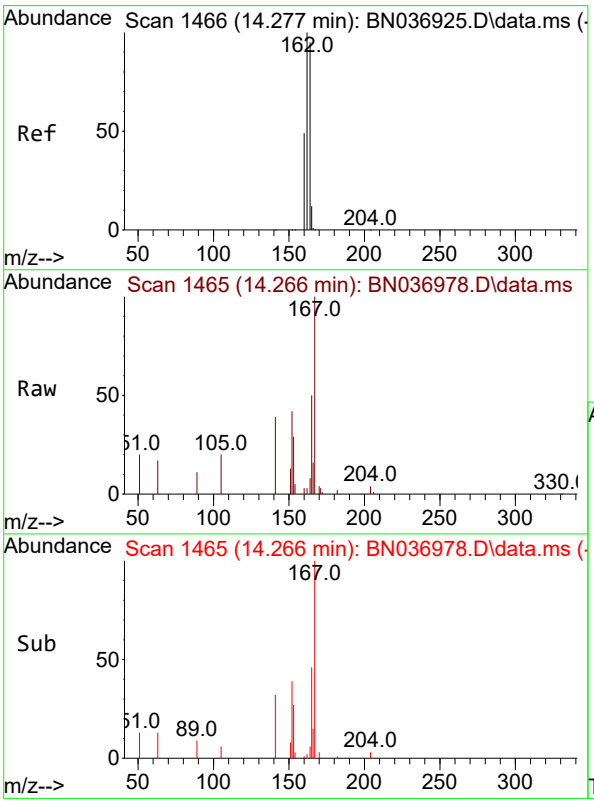
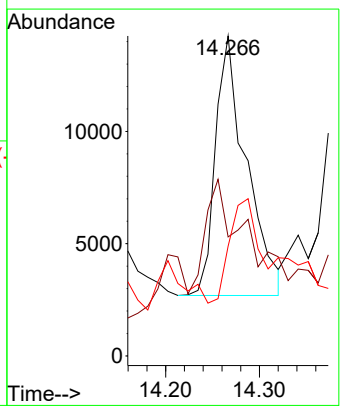
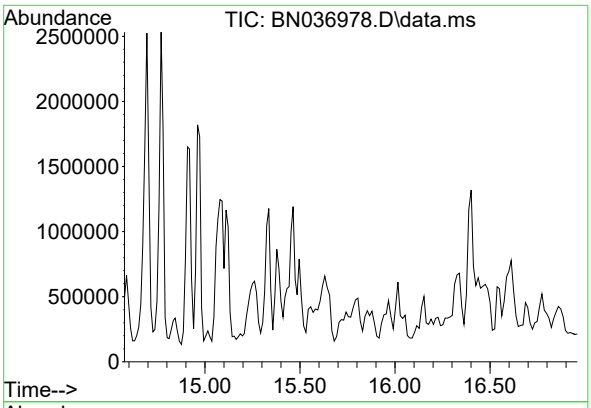


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.266 min Scan# 1465
Delta R.T. -0.011 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:164 Resp: 26498

Ion	Ratio	Lower	Upper
164	100		
162	37.2	83.8	125.8#
160	34.3	42.0	63.0#





#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.77 min

Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.4
141	56.8

Instrument :
BNA_N
ClientSampleId :
GB3B

Manual Integrations
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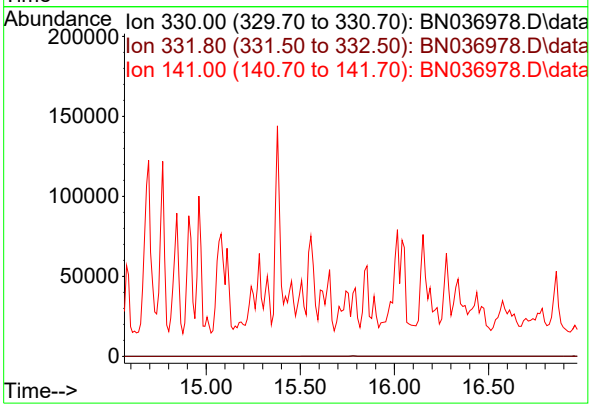
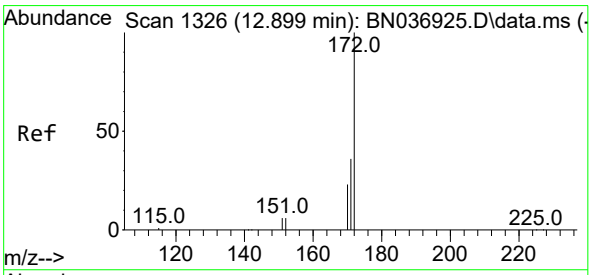
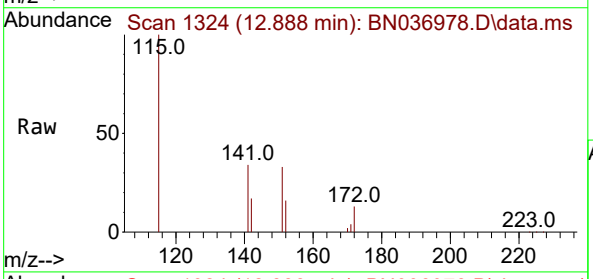
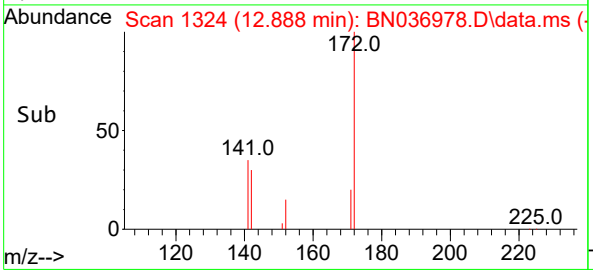




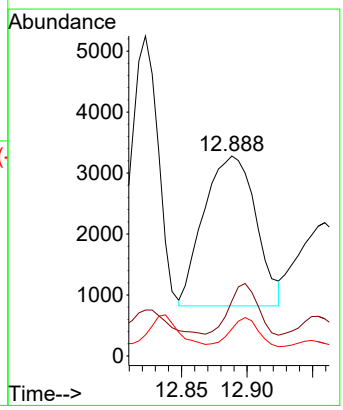


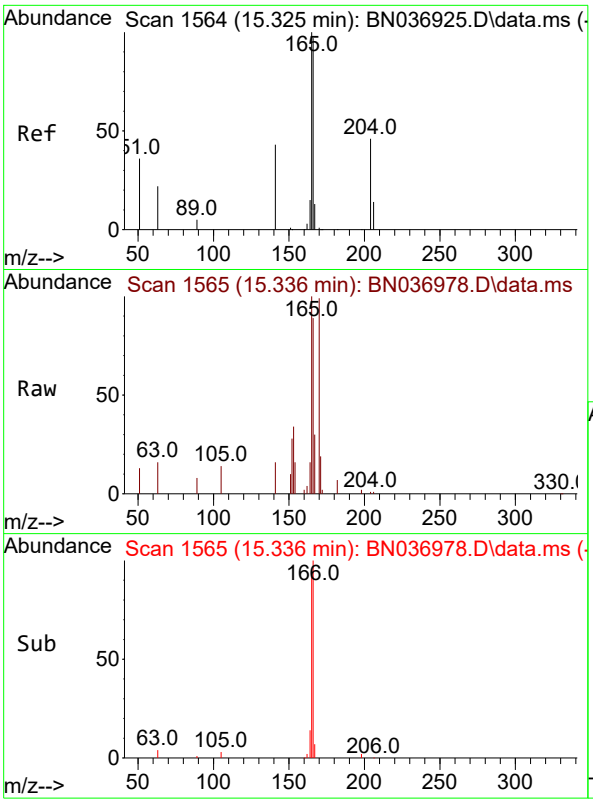


#15
2-Fluorobiphenyl
Concen: 0.053 ng m
RT: 12.888 min Scan# 1324
Delta R.T. -0.010 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:172 Resp: 6785

Ion	Ratio	Lower	Upper
172	100		
171	27.5	29.4	44.0#
170	13.5	19.4	29.0#

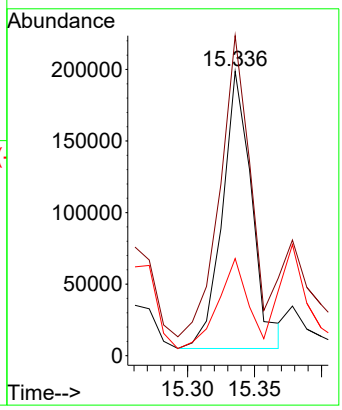




#18
Fluorene
Concen: 2.662 ng
RT: 15.336 min Scan# 1
Delta R.T. 0.010 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:166 Resp: 29619

Ion	Ratio	Lower	Upper
166	100		
165	117.9	80.8	121.2
167	33.4	10.8	16.2#



Instrument :
BNA_N
ClientSampleId :
GB3B

Manual Integrations
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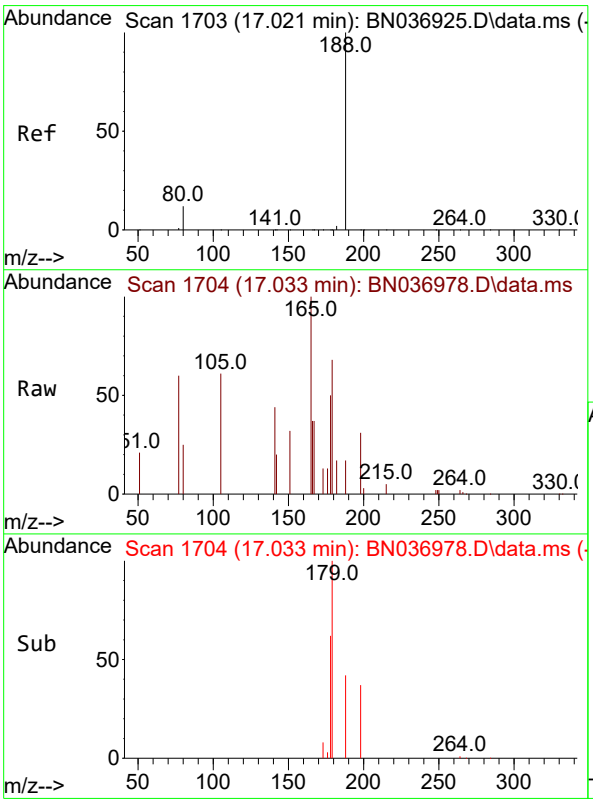
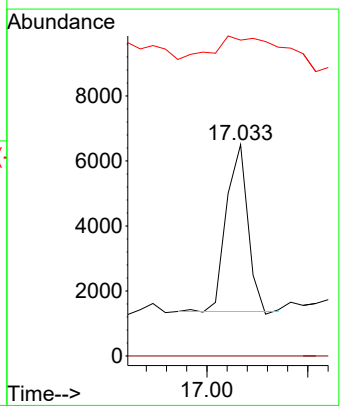
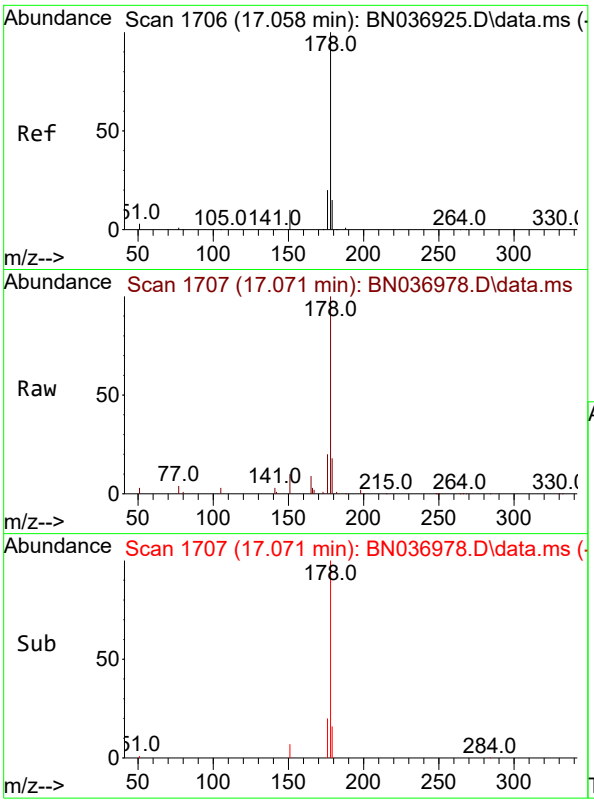


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.033 min Scan# 1704
Delta R.T. 0.012 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:188 Resp: 7588

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	149.4	10.7	16.1#

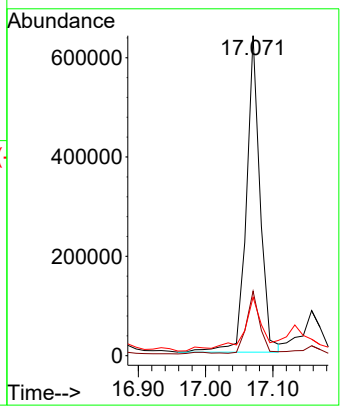




#25
Phenanthrene
Concen: 35.912 ng
RT: 17.071 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:178 Resp: 89941

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	24.7	12.4	18.6#



Instrument :
BNA_N
ClientSampleId :
GB3B

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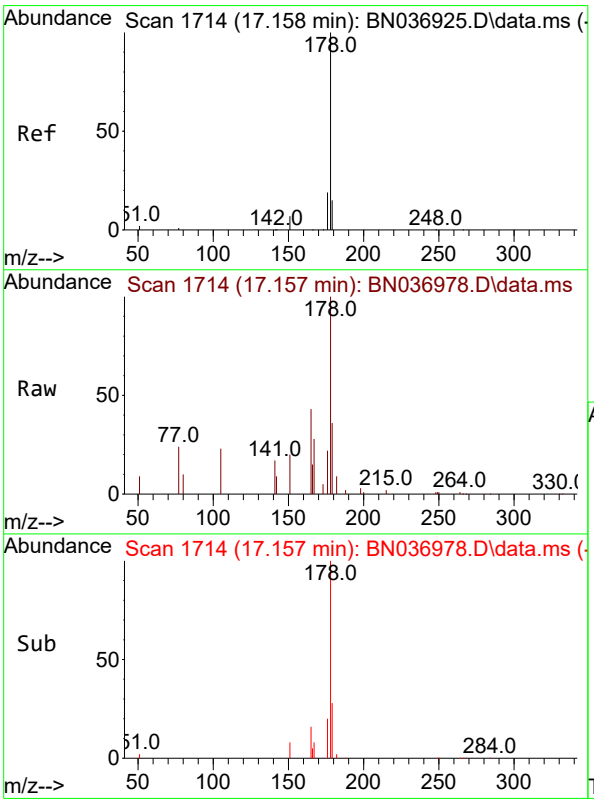
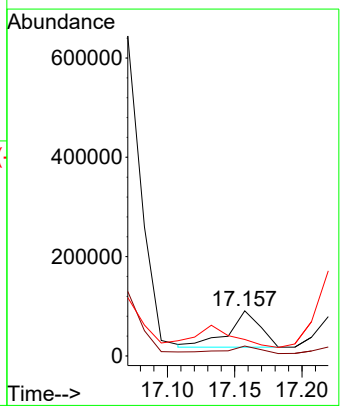
Supervised By :Jagrut Upadhyay 05/09/2025

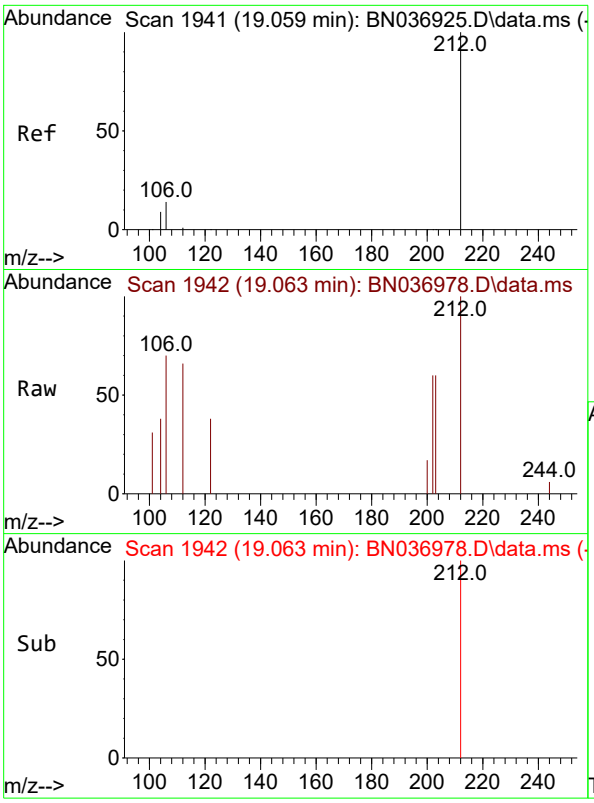


#26
Anthracene
Concen: 5.325 ng
RT: 17.157 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:178 Resp: 120627

Ion	Ratio	Lower	Upper
178	100		
176	23.3	15.3	22.9#
179	0.0	12.1	18.1#





#27
Fluoranthene-d10
Concen: 0.244 ng
RT: 19.063 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:212 Resp: 480

Ion	Ratio	Lower	Upper
212	100		
106	0.0	11.6	17.4#
104	14.0	7.0	10.4#

Instrument :
BNA_N
ClientSampleId :
GB3B

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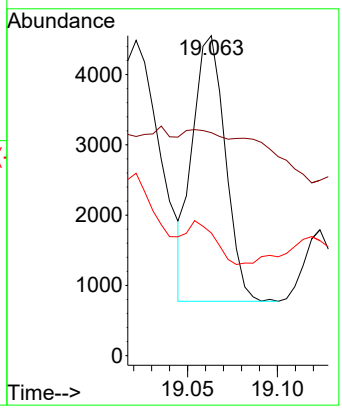
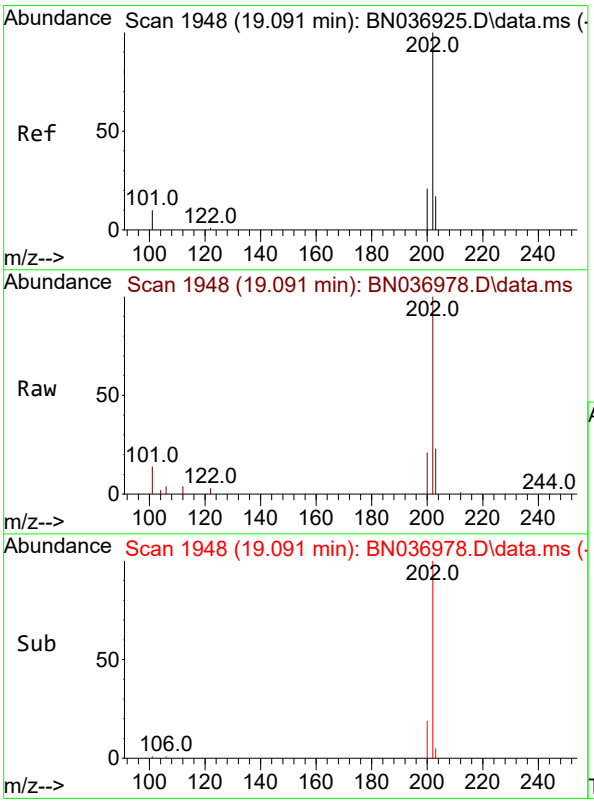
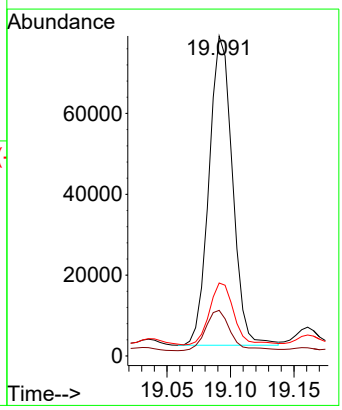


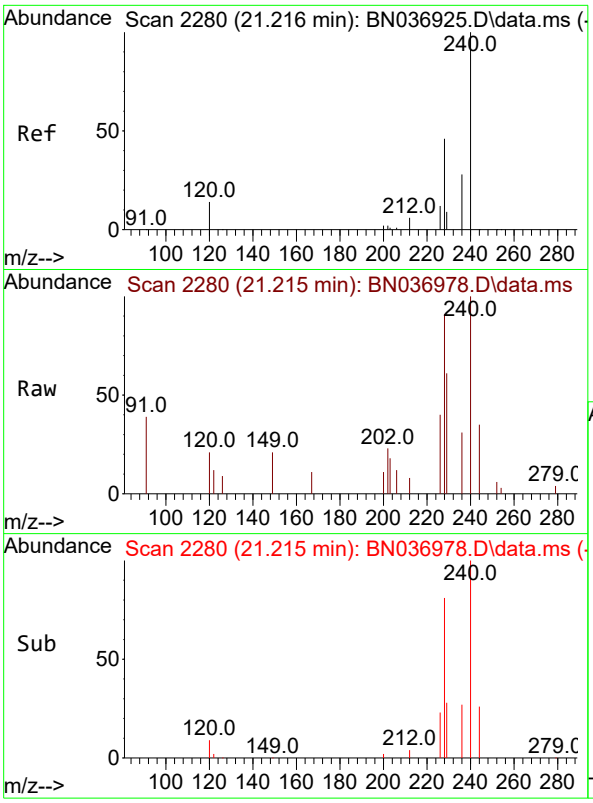


#28
Fluoranthene
Concen: 3.497 ng
RT: 19.091 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:202 Resp: 98144

Ion	Ratio	Lower	Upper
202	100		
101	14.0	8.5	12.7#
203	21.1	13.7	20.5#

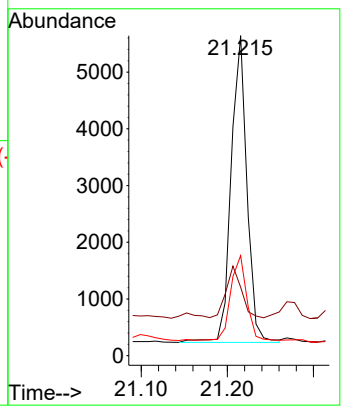




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:240 Resp: 689

Ion	Ratio	Lower	Upper
240	100		
120	21.4	14.1	21.1#
236	31.2	23.8	35.8



Instrument :
BNA_N
ClientSampleId :
GB3B

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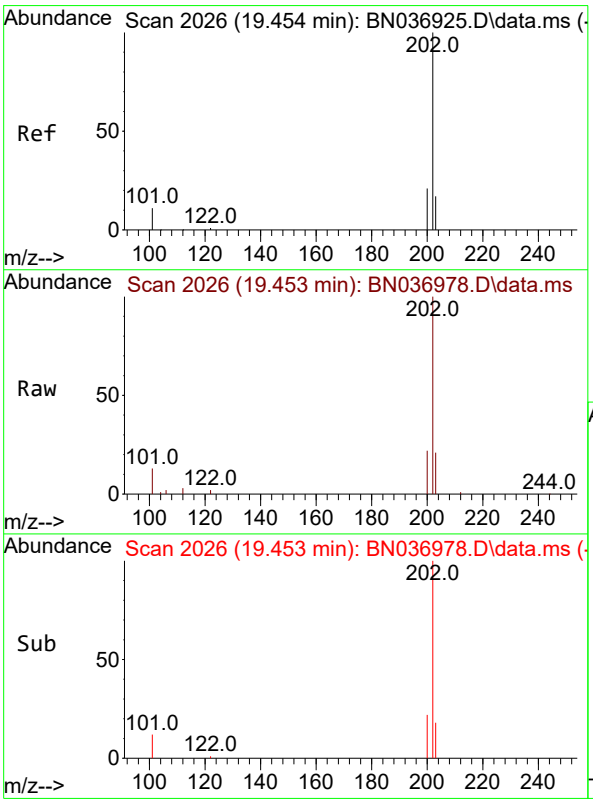
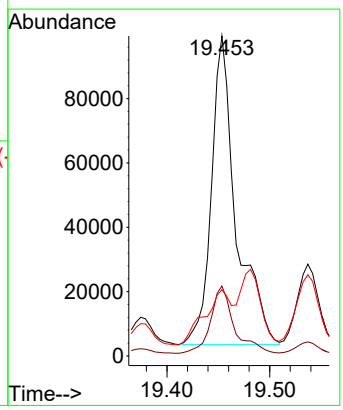
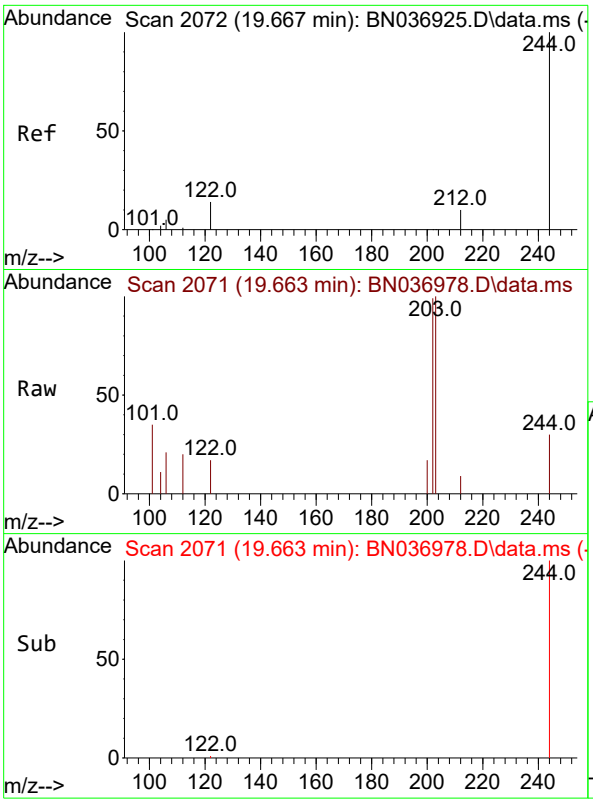


#30
Pyrene
Concen: 4.839 ng
RT: 19.453 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:202 Resp: 160708

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.6
203	18.8	14.0	21.0

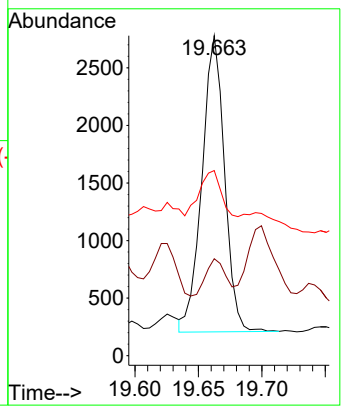




#31
Terphenyl-d14
Concen: 0.196 ng
RT: 19.663 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:244 Resp: 318

Ion	Ratio	Lower	Upper
244	100		
212	30.3	9.6	14.4#
122	57.9	12.7	19.1#



Instrument :
BNA_N
ClientSampleId :
GB3B

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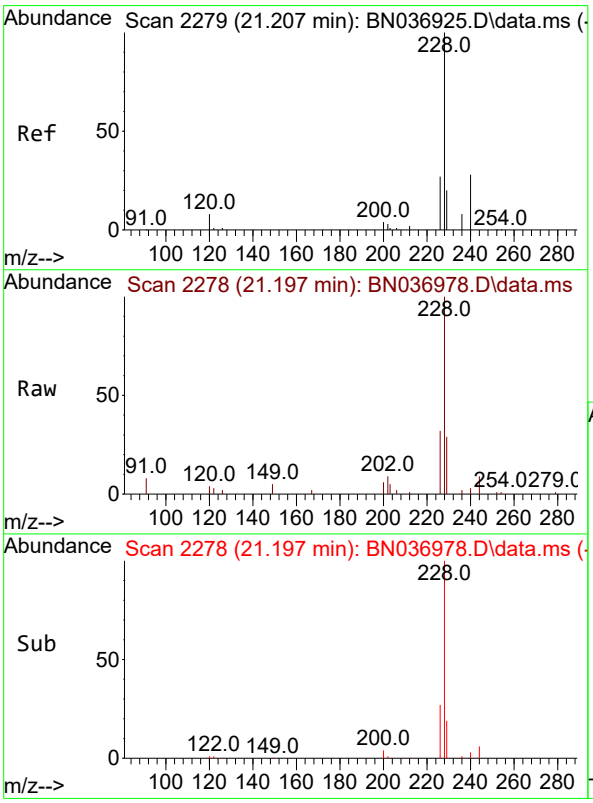
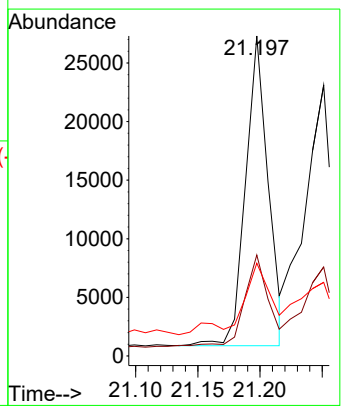
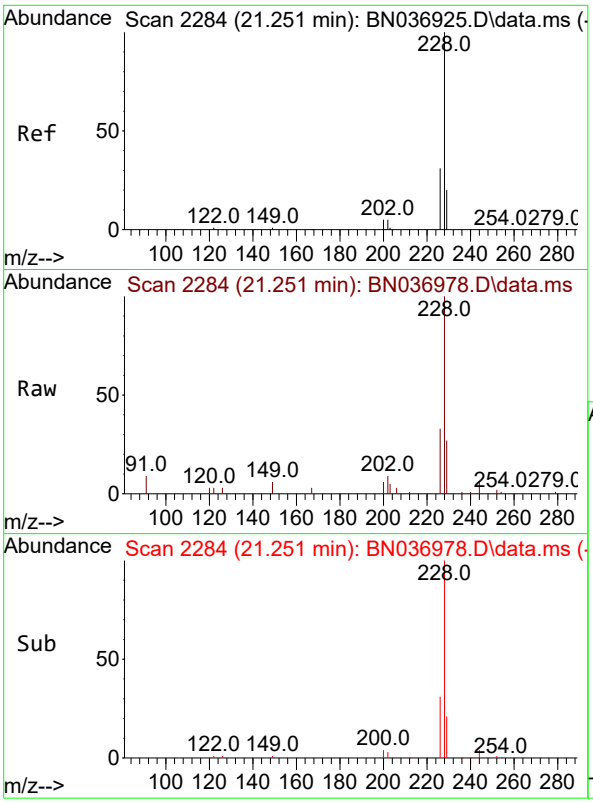


#32
Benzo(a)anthracene
Concen: 1.317 ng
RT: 21.197 min Scan# 2278
Delta R.T. -0.009 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:228 Resp: 33457

Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.2	33.4
229	29.0	16.4	24.6#

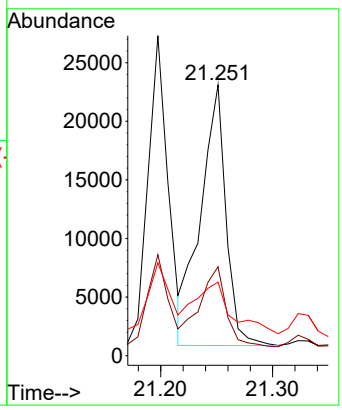




#33
Chrysene
Concen: 1.286 ng
RT: 21.251 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:228 Resp: 3522

Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.5	38.3
229	27.2	16.5	24.7



Instrument :
BNA_N
ClientSampleId :
GB3B

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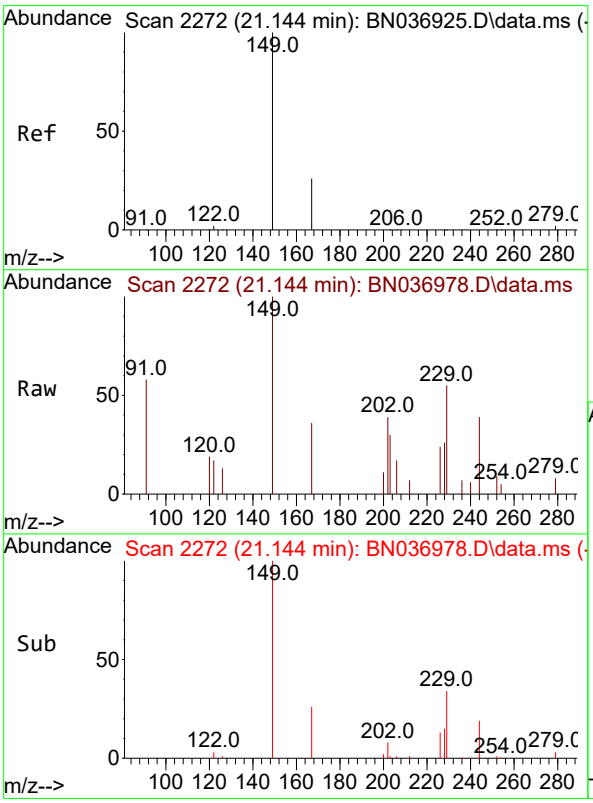
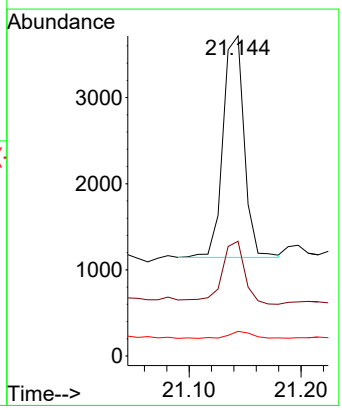
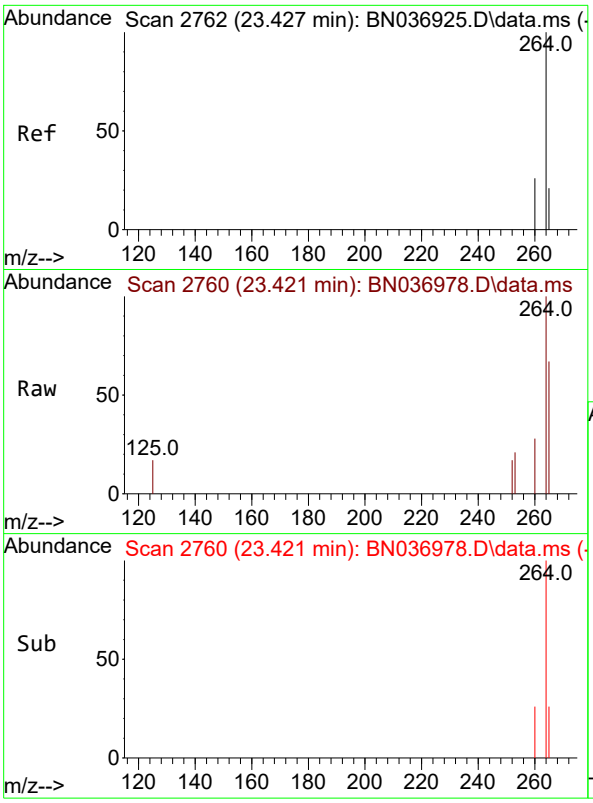


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.234 ng
RT: 21.144 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:149 Resp: 3374

Ion	Ratio	Lower	Upper
149	100		
167	31.2	21.0	31.6
279	3.5	2.7	4.1

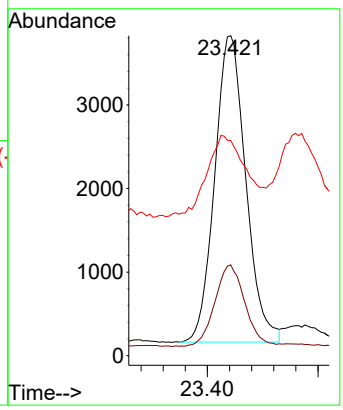




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.421 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:264 Resp: 714

Ion	Ratio	Lower	Upper
264	100		
260	28.4	22.2	33.2
265	67.3	65.8	98.6



Instrument :
BNA_N
ClientSampleId :
GB3B

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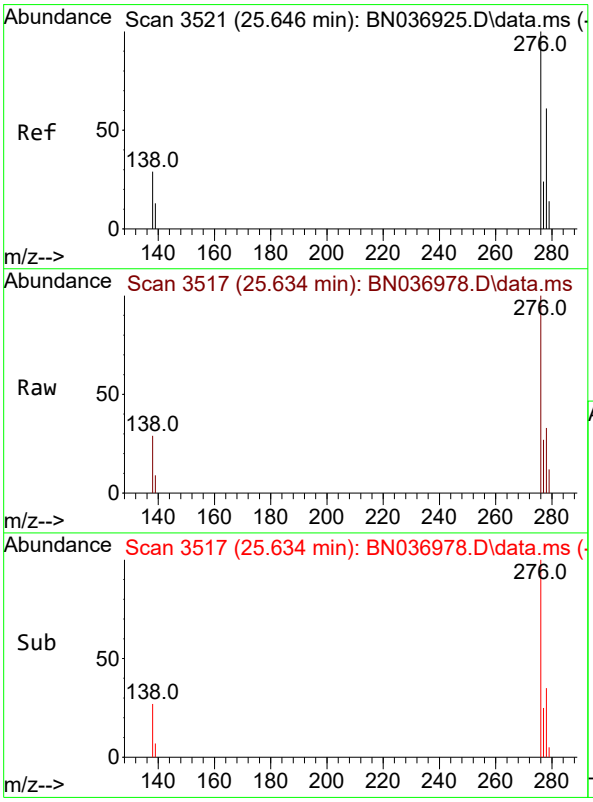
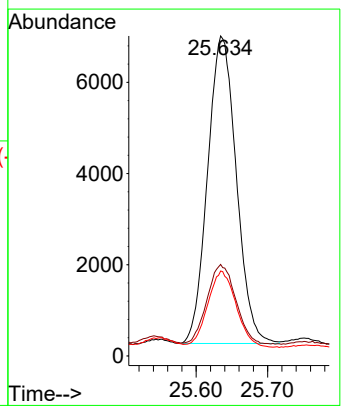
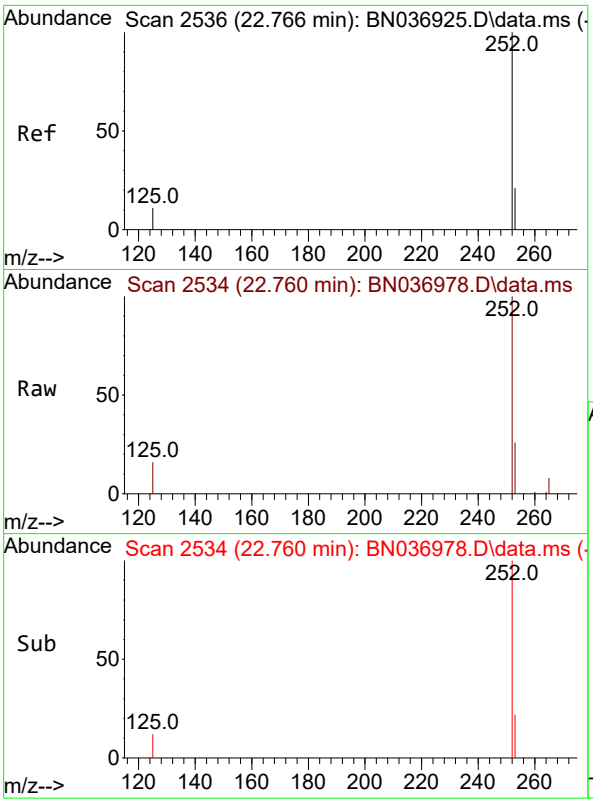


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.644 ng
RT: 25.634 min Scan# 3517
Delta R.T. -0.012 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:276 Resp: 18789

Ion	Ratio	Lower	Upper
276	100		
138	26.2	23.0	34.6
277	24.7	20.0	30.0

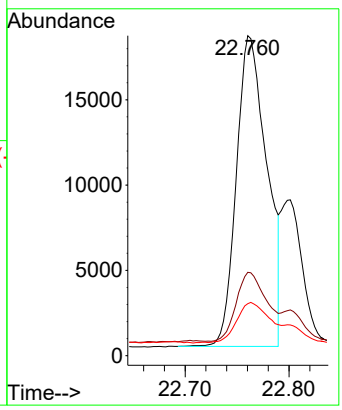




#37
Benzo(b)fluoranthene
Concen: 1.234 ng
RT: 22.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:252 Resp: 3710

Ion	Ratio	Lower	Upper
252	100		
253	26.0	22.1	33.1
125	16.3	14.2	21.2



Instrument :
BNA_N
ClientSampleId :
GB3B

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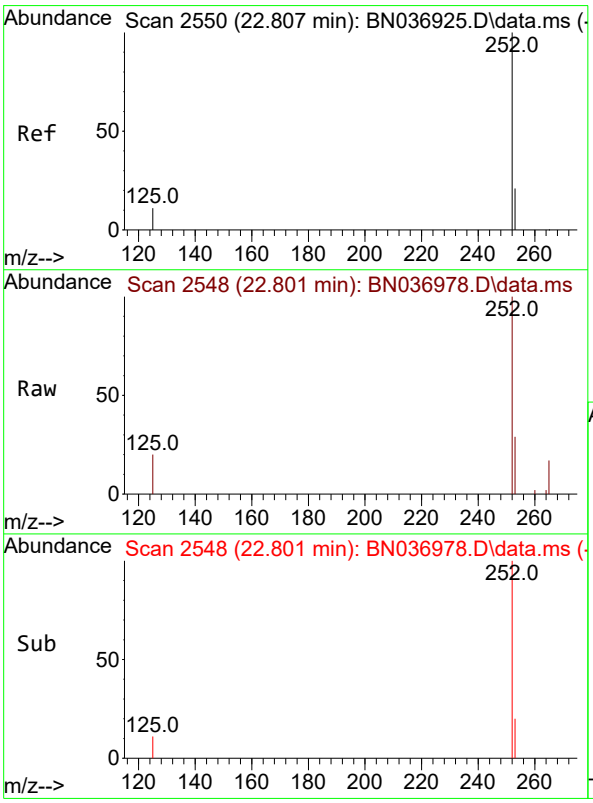
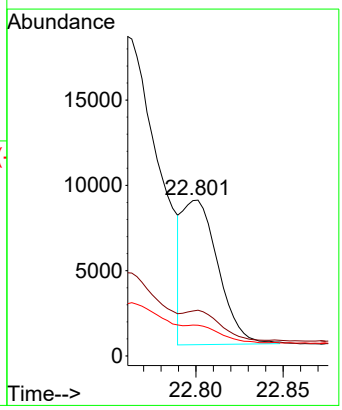
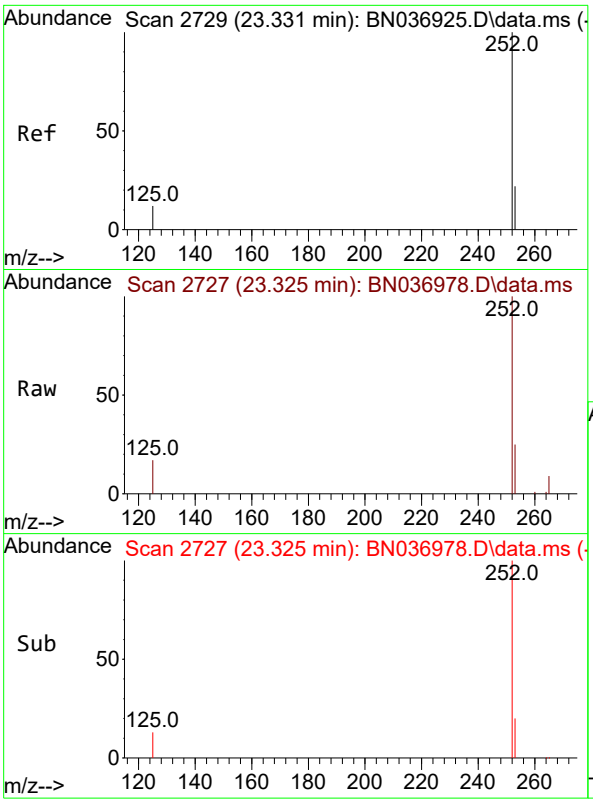


#38
Benzo(k)fluoranthene
Concen: 0.398 ng m
RT: 22.801 min Scan# 2548
Delta R.T. -0.006 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:252 Resp: 12029

Ion	Ratio	Lower	Upper
252	100		
253	29.3	22.8	34.2
125	19.7	14.2	21.2

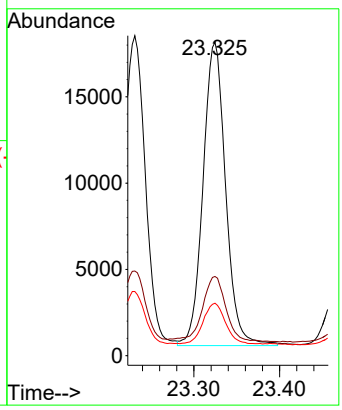




#39
Benzo(a)pyrene
Concen: 1.304 ng m
RT: 23.325 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:252 Resp: 3223

Ion	Ratio	Lower	Upper
252	100		
253	25.3	25.9	38.9#
125	16.8	17.4	26.0#



Instrument :
BNA_N
ClientSampleId :
GB3B

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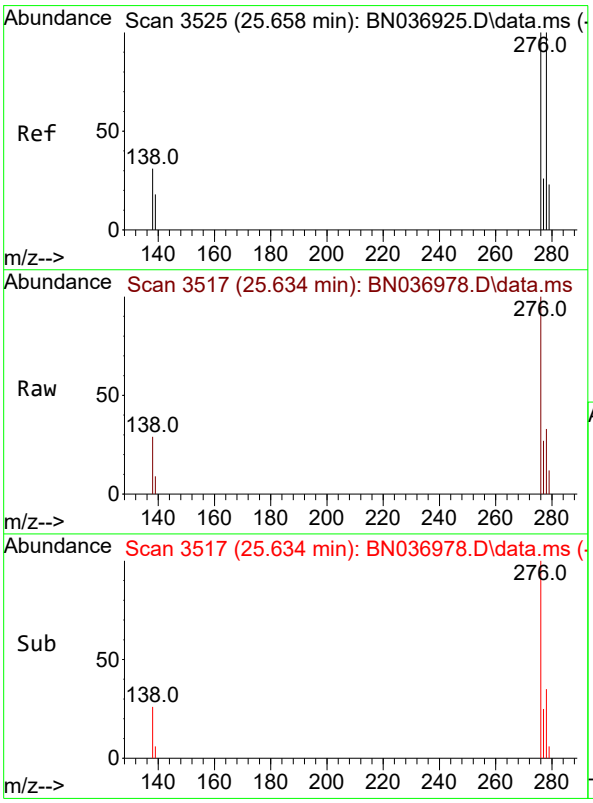
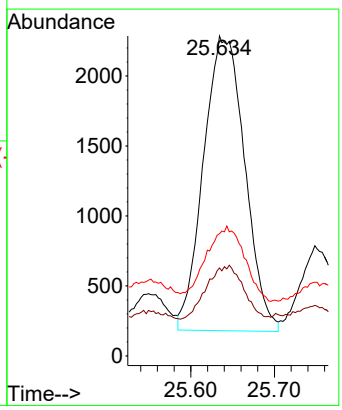
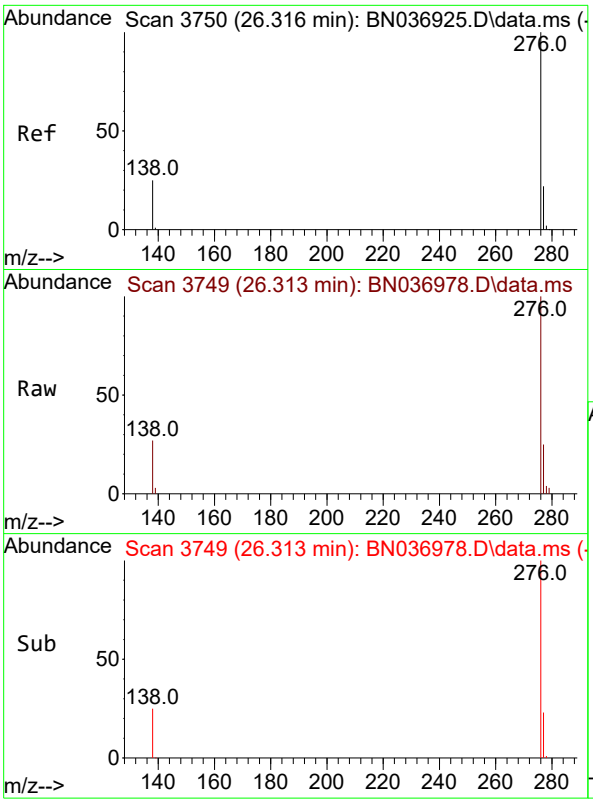


#40
Dibenzo(a,h)anthracene
Concen: 0.314 ng
RT: 25.634 min Scan# 3517
Delta R.T. -0.024 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:278 Resp: 7215

Ion	Ratio	Lower	Upper
278	100		
139	27.5	17.4	26.2#
279	38.2	24.9	37.3#

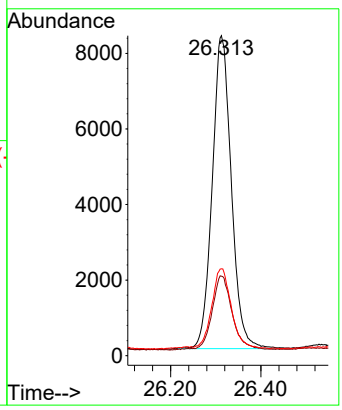




#41
Benzo(g,h,i)perylene
Concen: 0.955 ng
RT: 26.313 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN036978.D
Acq: 08 May 2025 18:05

Tgt Ion:276 Resp: 2436

Ion	Ratio	Lower	Upper
276	100		
277	24.9	20.2	30.2
138	27.2	21.9	32.9



Instrument :
BNA_N
ClientSampleId :
GB3B

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Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036973.D
Acq On : 08 May 2025 15:04
Operator : RC/JU
Sample : PB167915BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167915BL

Quant Time: May 08 15:33:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

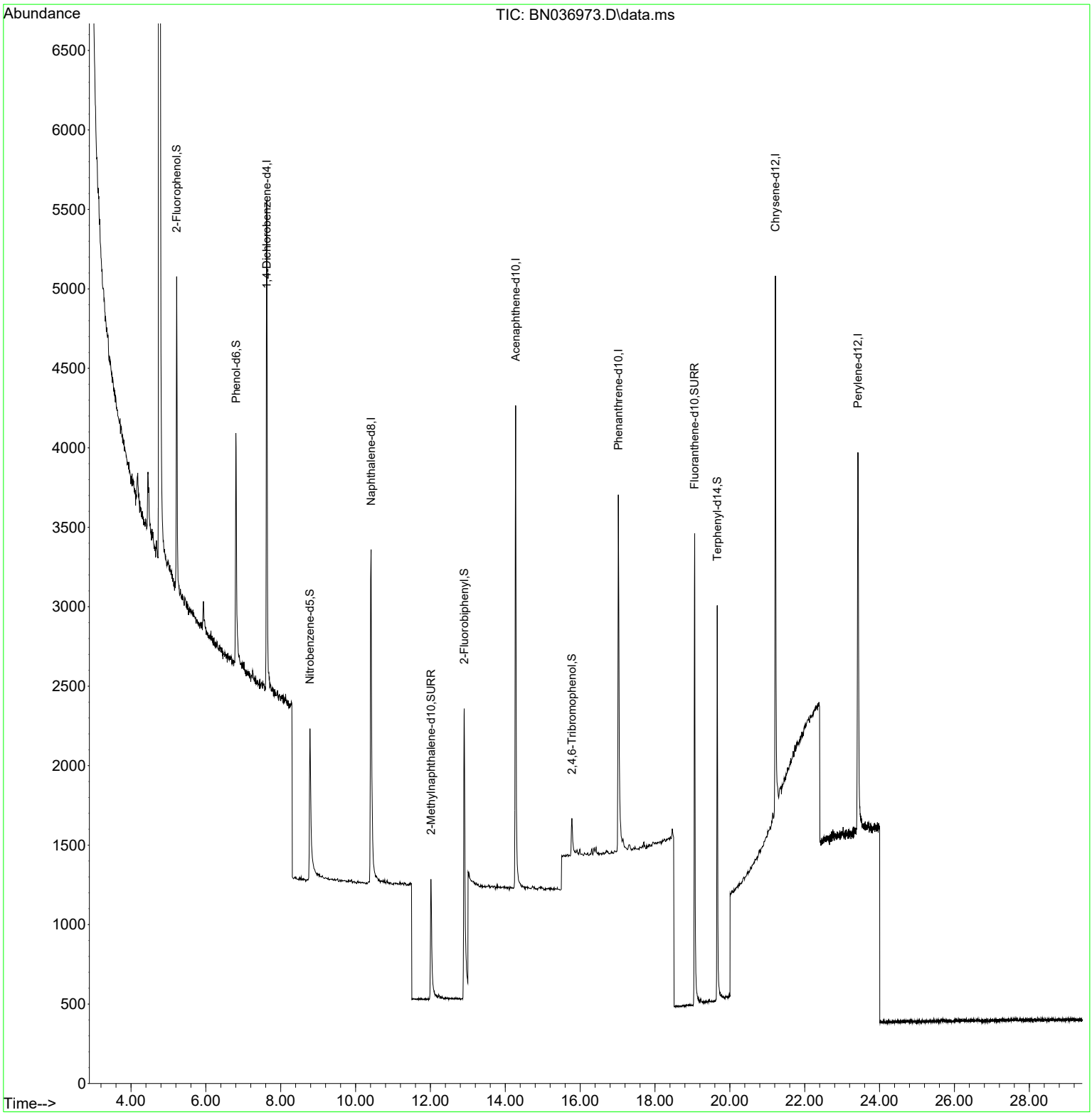
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1580	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	3771	0.400	ng	# 0.00
13) Acenaphthene-d10	14.277	164	2026	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	4065	0.400	ng	0.00
29) Chrysene-d12	21.215	240	3603	0.400	ng	0.00
35) Perylene-d12	23.421	264	3531	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	1378	0.341	ng	0.00
5) Phenol-d6	6.809	99	1504	0.302	ng	0.00
8) Nitrobenzene-d5	8.781	82	1245	0.316	ng	0.00
11) 2-Methylnaphthalene-d10	12.016	152	1668	0.316	ng	0.00
14) 2,4,6-Tribromophenol	15.780	330	206	0.228	ng	0.01
15) 2-Fluorobiphenyl	12.904	172	3042	0.311	ng	0.00
27) Fluoranthene-d10	19.059	212	3843	0.365	ng	0.00
31) Terphenyl-d14	19.663	244	2733	0.321	ng	0.00
Target Compounds						Qvalue

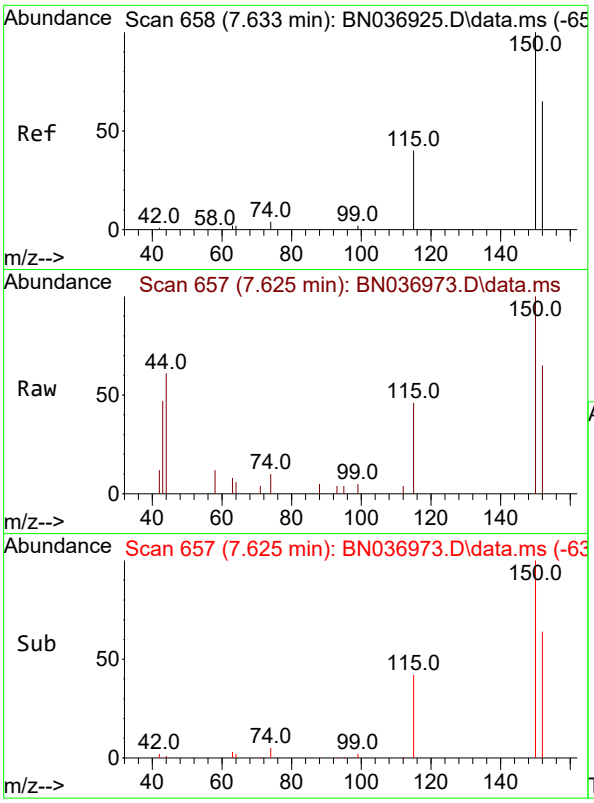
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036973.D
Acq On : 08 May 2025 15:04
Operator : RC/JU
Sample : PB167915BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167915BL

Quant Time: May 08 15:33:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



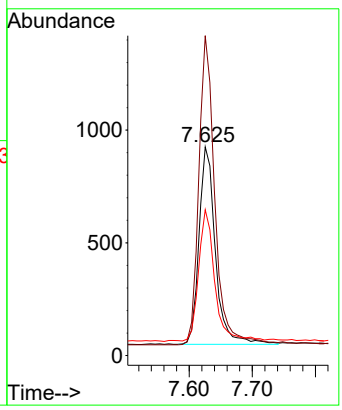


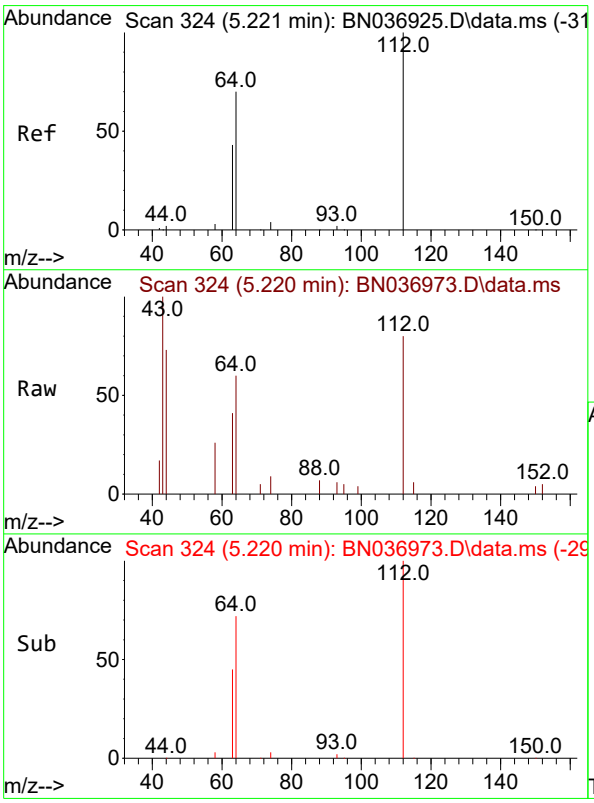
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 6
Delta R.T. -0.008 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Instrument :
BNA_N
ClientSampleId :
PB167915BL

Tgt Ion:152 Resp: 1580

Ion	Ratio	Lower	Upper
152	100		
150	153.2	121.1	181.7
115	69.9	51.8	77.6

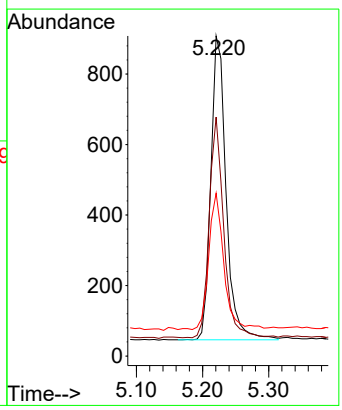


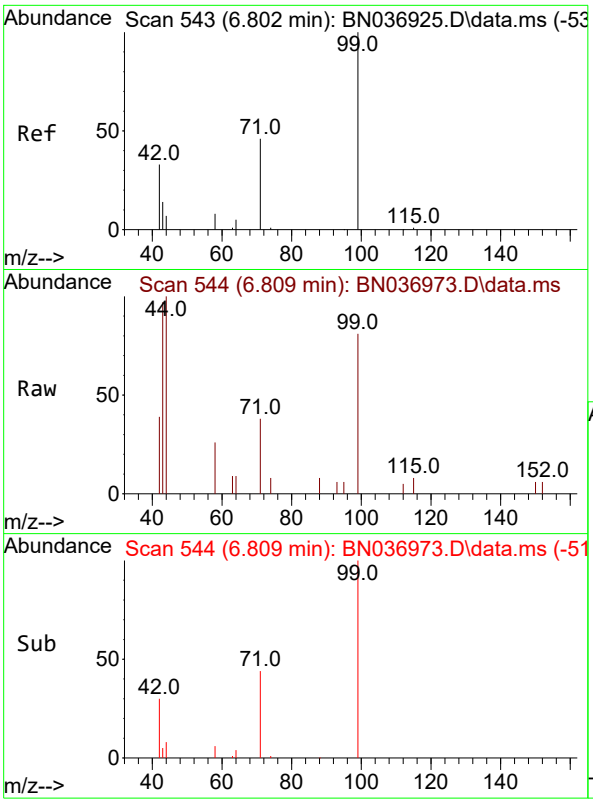


#4
2-Fluorophenol
Concen: 0.341 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:112 Resp: 1378

Ion	Ratio	Lower	Upper
112	100		
64	69.4	55.7	83.5
63	43.0	33.9	50.9



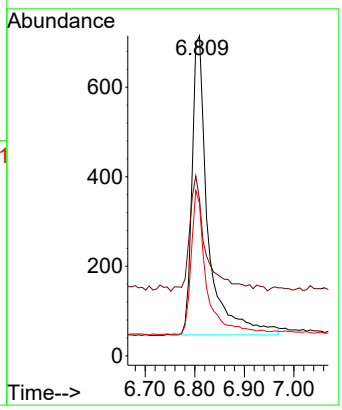


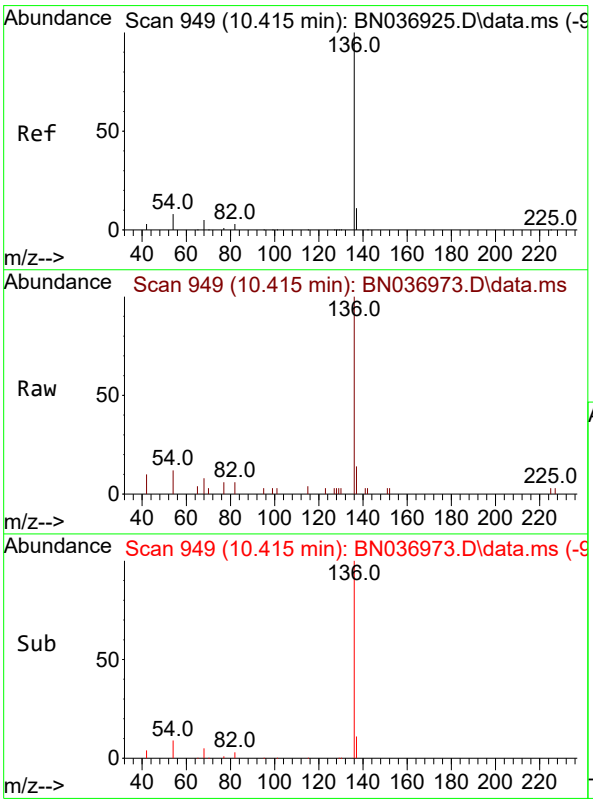
#5
Phenol-d6
Concen: 0.302 ng
RT: 6.809 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Instrument :
BNA_N
ClientSampleId :
PB167915BL

Tgt Ion: 99 Resp: 1504

Ion	Ratio	Lower	Upper
99	100		
42	39.2	29.6	44.4
71	45.9	36.0	54.0

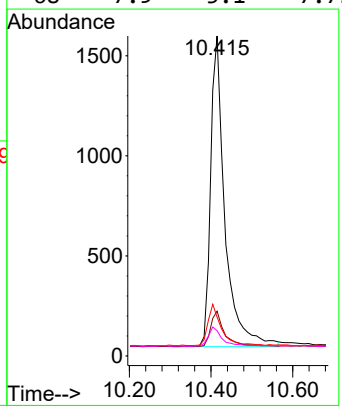


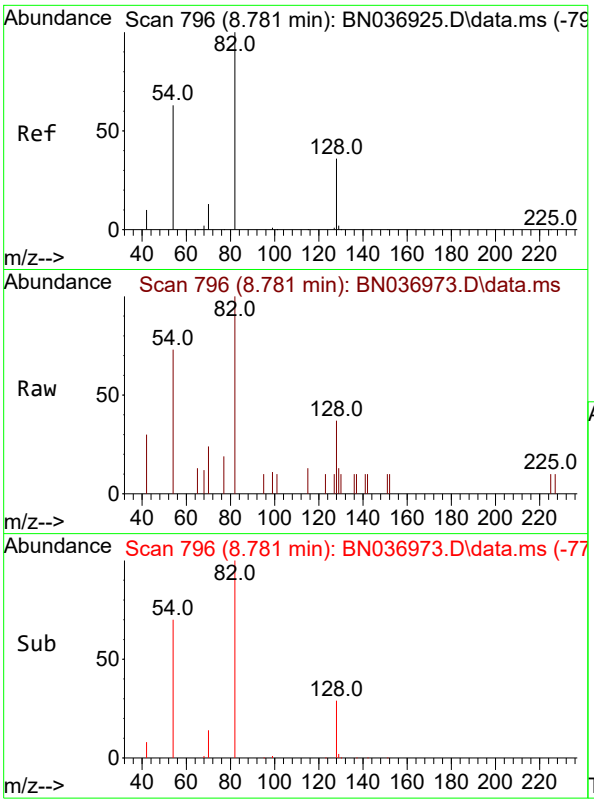


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:136 Resp: 3771

Ion	Ratio	Lower	Upper
136	100		
137	14.0	9.7	14.5
54	12.1	8.0	12.0#
68	7.9	5.1	7.7#



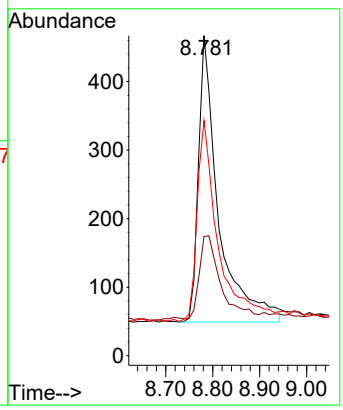


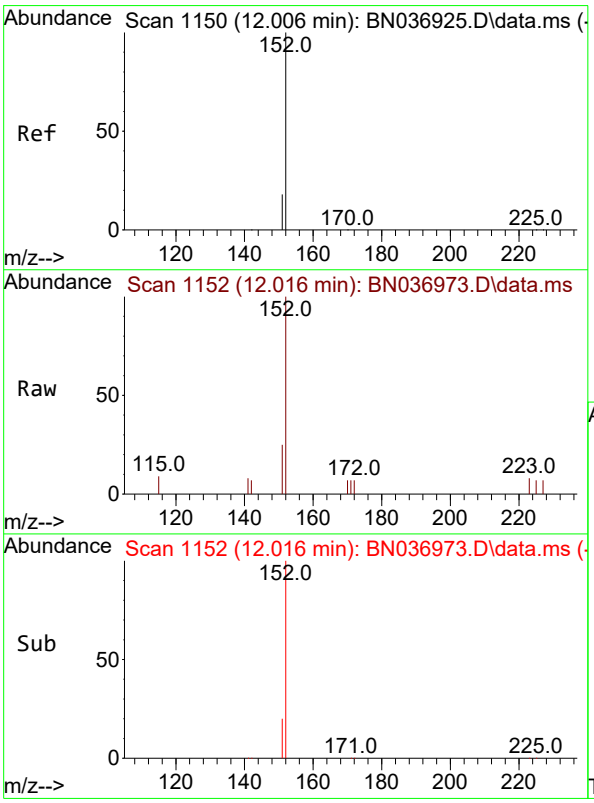
#8
Nitrobenzene-d5
Concen: 0.316 ng
RT: 8.781 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Instrument :
BNA_N
ClientSampleId :
PB167915BL

Tgt Ion: 82 Resp: 1245

Ion	Ratio	Lower	Upper
82	100		
128	37.3	30.7	46.1
54	73.4	52.1	78.1

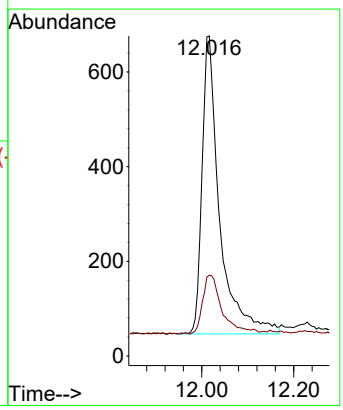


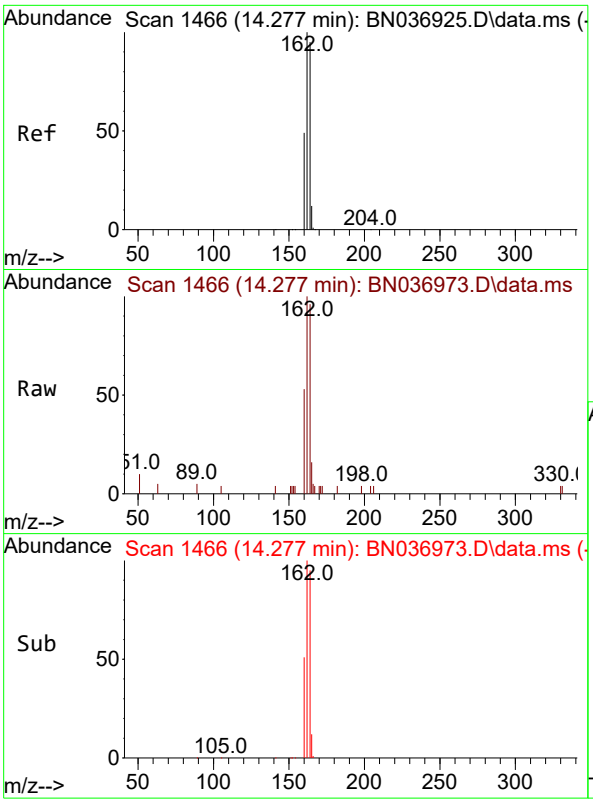


#11
2-Methylnaphthalene-d10
Concen: 0.316 ng
RT: 12.016 min Scan# 1152
Delta R.T. 0.010 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:152 Resp: 1668

Ion	Ratio	Lower	Upper
152	100		
151	21.8	16.9	25.3



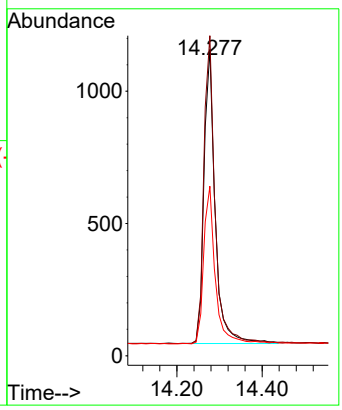


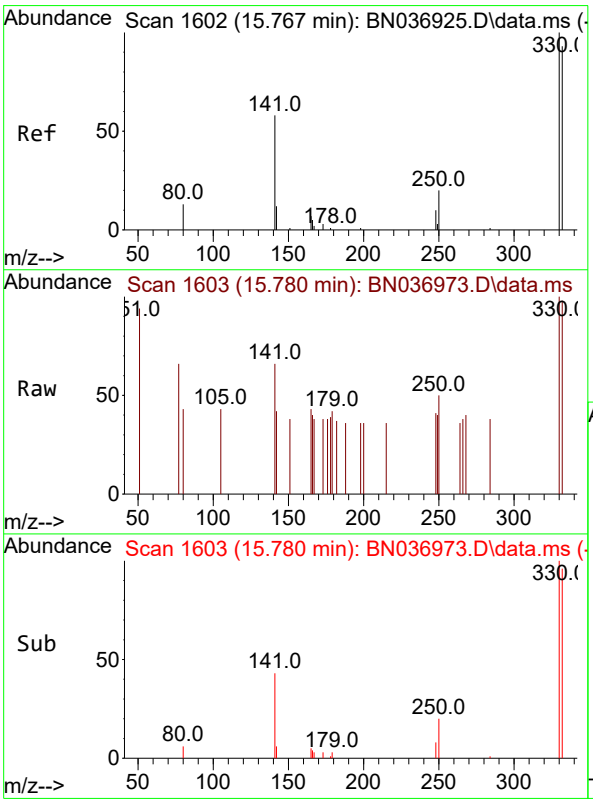
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Instrument :
BNA_N
ClientSampleId :
PB167915BL

Tgt Ion:164 Resp: 2026

Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.8	125.8
160	55.4	42.0	63.0

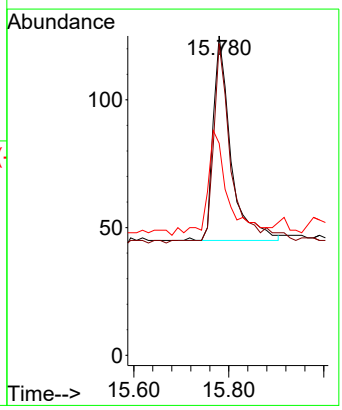


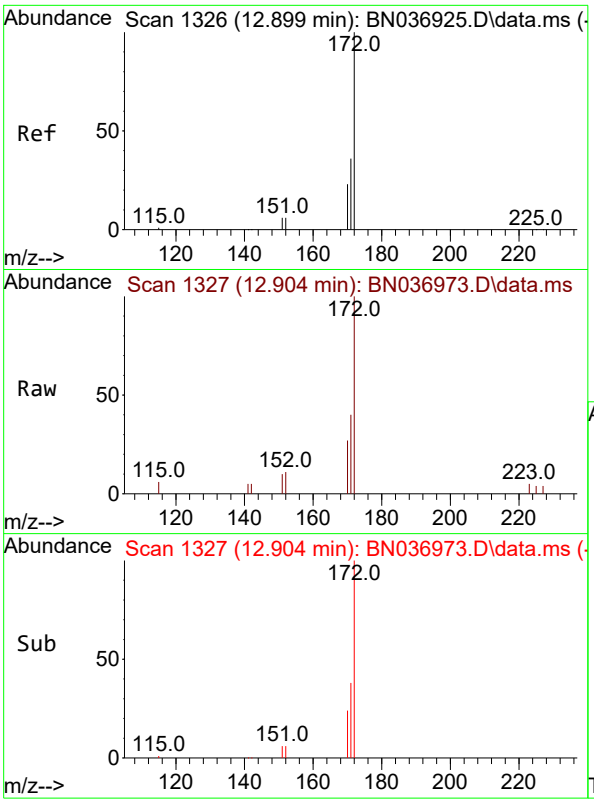


#14
2,4,6-Tribromophenol
Concen: 0.228 ng
RT: 15.780 min Scan# 1603
Delta R.T. 0.012 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:330 Resp: 206

Ion	Ratio	Lower	Upper
330	100		
332	92.2	76.3	114.5
141	59.2	45.4	68.2



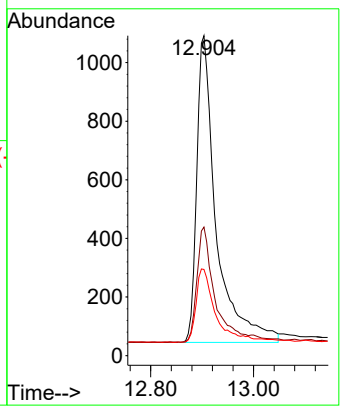


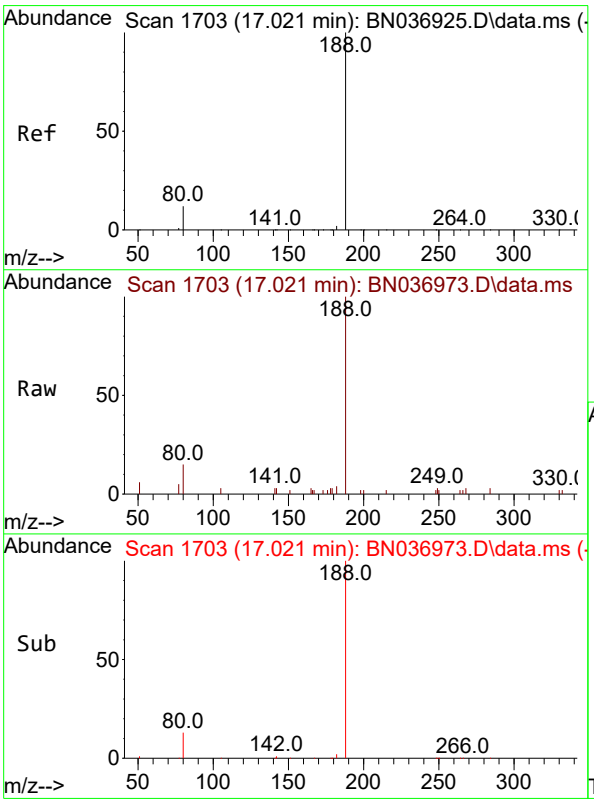
#15
2-Fluorobiphenyl
Concen: 0.311 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Instrument :
BNA_N
ClientSampleId :
PB167915BL

Tgt Ion:172 Resp: 3042

Ion	Ratio	Lower	Upper
172	100		
171	40.2	29.4	44.0
170	26.9	19.4	29.0

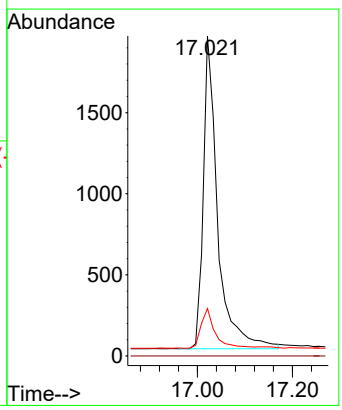


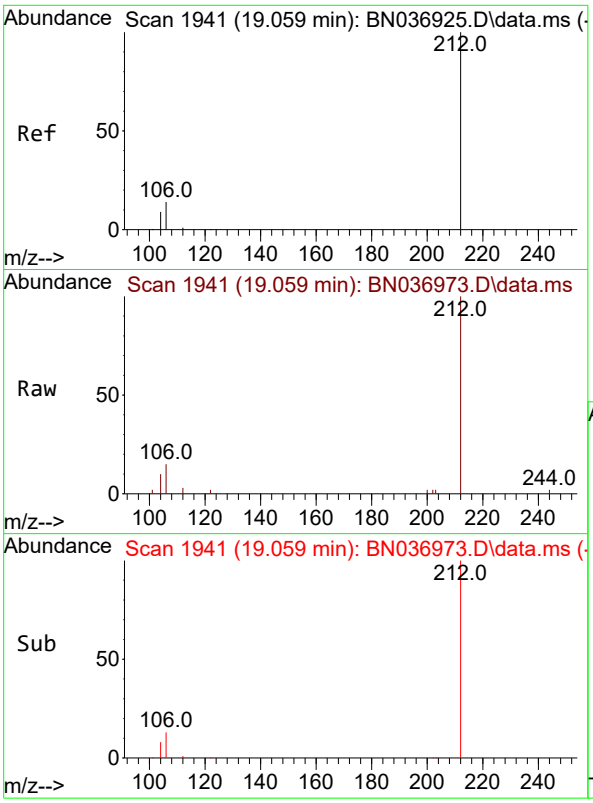


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:188 Resp: 4065

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.9	10.7	16.1



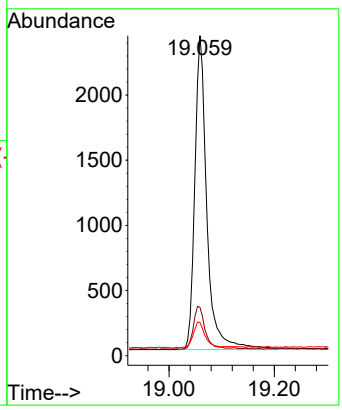


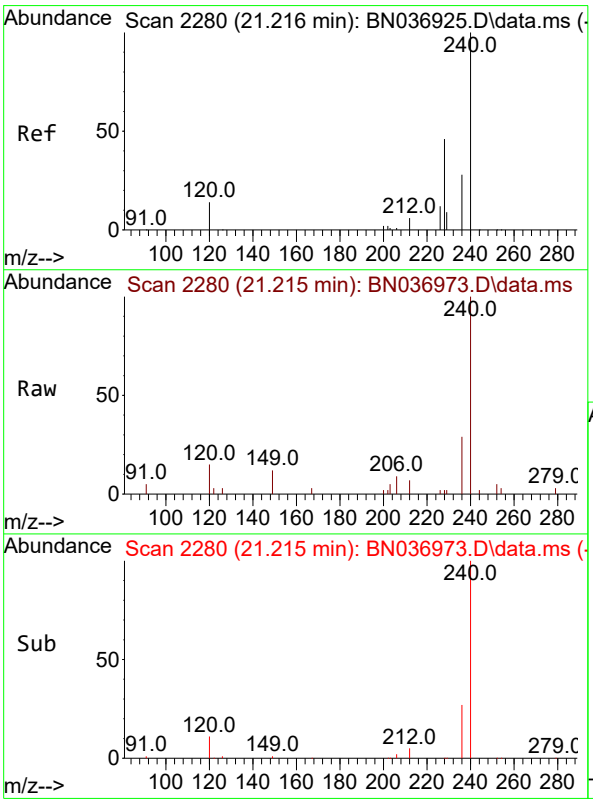
#27
Fluoranthene-d10
Concen: 0.365 ng
RT: 19.059 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Instrument :
BNA_N
ClientSampleId :
PB167915BL

Tgt Ion:212 Resp: 3843

Ion	Ratio	Lower	Upper
212	100		
106	13.2	11.6	17.4
104	8.4	7.0	10.4

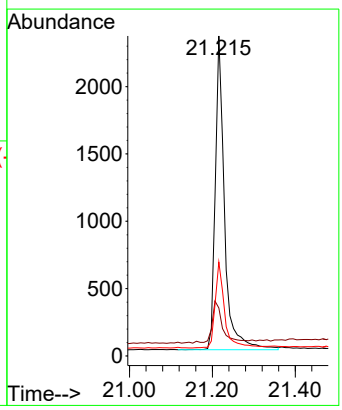


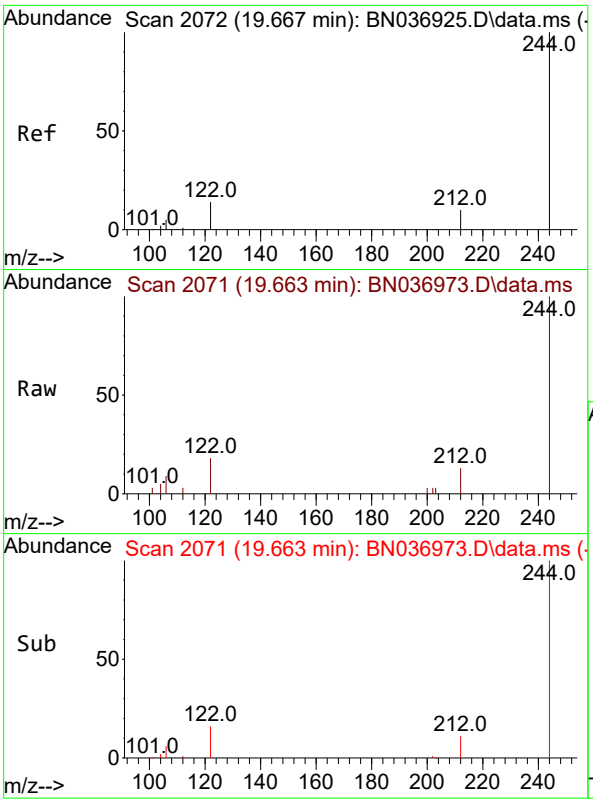


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:240 Resp: 3603

Ion	Ratio	Lower	Upper
240	100		
120	15.0	14.1	21.1
236	29.4	23.8	35.8



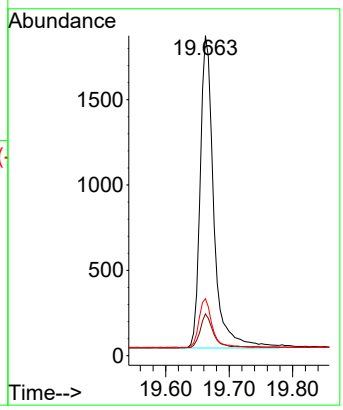


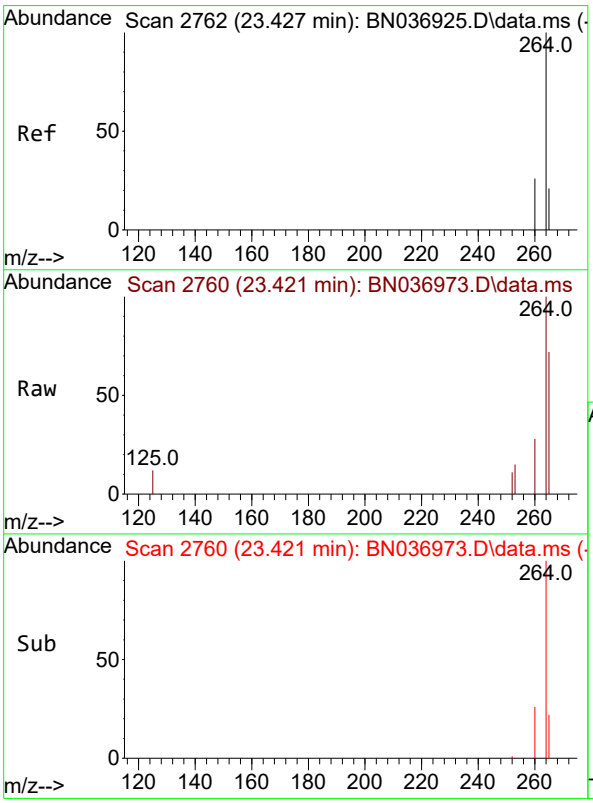
#31
Terphenyl-d14
Concen: 0.321 ng
RT: 19.663 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Instrument :
BNA_N
ClientSampleId :
PB167915BL

Tgt Ion:244 Resp: 2733

Ion	Ratio	Lower	Upper
244	100		
212	13.1	9.6	14.4
122	17.8	12.7	19.1

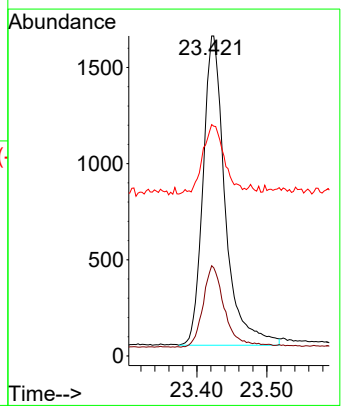




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.421 min Scan# 2760
Delta R.T. -0.006 min
Lab File: BN036973.D
Acq: 08 May 2025 15:04

Tgt Ion:264 Resp: 3531

Ion	Ratio	Lower	Upper
264	100		
260	28.2	22.2	33.2
265	72.3	65.8	98.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036979.D
Acq On : 08 May 2025 18:41
Operator : RC/JU
Sample : PB167915BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167915BS

Quant Time: May 09 09:34:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

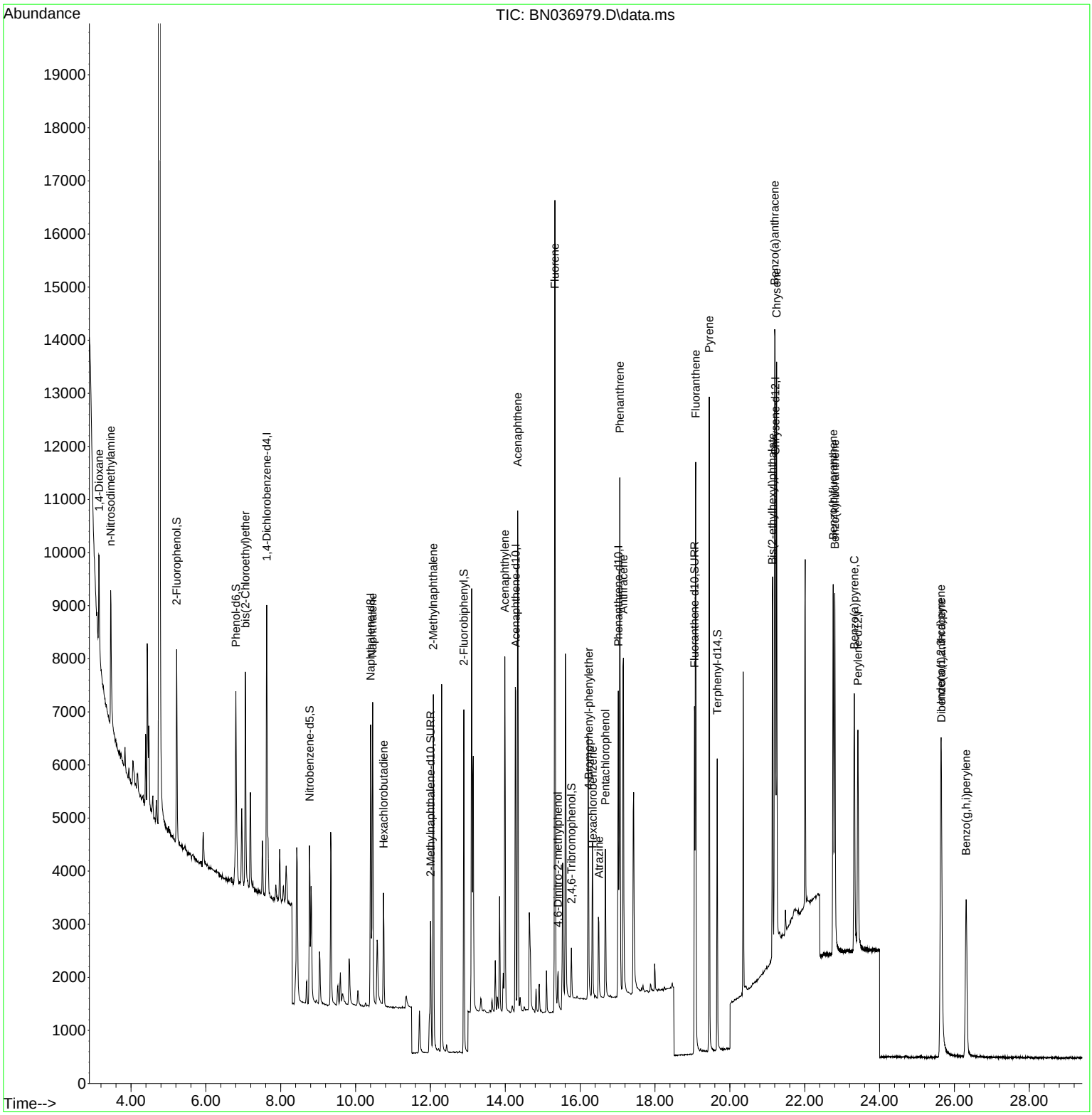
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.626	152	2493	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	6667	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	3772	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	7644	0.400	ng	# 0.00
29) Chrysene-d12	21.216	240	6261	0.400	ng	# 0.00
35) Perylene-d12	23.421	264	5504	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.221	112	2481	0.389	ng	0.00
5) Phenol-d6	6.802	99	3035	0.387	ng	0.00
8) Nitrobenzene-d5	8.771	82	2475	0.355	ng	-0.01
11) 2-Methylnaphthalene-d10	12.006	152	4778	0.512	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	486	0.289	ng	0.00
15) 2-Fluorobiphenyl	12.894	172	6443	0.353	ng	0.00
27) Fluoranthene-d10	19.059	212	7228	0.365	ng	0.00
31) Terphenyl-d14	19.663	244	5366	0.363	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.148	88	930	0.299	ng	# 28
3) n-Nitrosodimethylamine	3.458	42	2150	0.357	ng	# 94
6) bis(2-Chloroethyl)ether	7.055	93	2923	0.402	ng	99
9) Naphthalene	10.458	128	7408	0.382	ng	100
10) Hexachlorobutadiene	10.746	225	1609	0.383	ng	# 99
12) 2-Methylnaphthalene	12.077	142	4900	0.391	ng	98
16) Acenaphthylene	13.989	152	7034	0.382	ng	100
17) Acenaphthene	14.331	154	4460	0.368	ng	98
18) Fluorene	15.325	166	5786	0.365	ng	100
20) 4,6-Dinitro-2-methylph...	15.411	198	543	0.268	ng	# 80
21) 4-Bromophenyl-phenylether	16.227	248	1776	0.348	ng	94
22) Hexachlorobenzene	16.338	284	2033	0.364	ng	96
23) Atrazine	16.500	200	1563	0.380	ng	98
24) Pentachlorophenol	16.674	266	1278	0.426	ng	98
25) Phenanthrene	17.058	178	9379	0.372	ng	100
26) Anthracene	17.158	178	8525	0.374	ng	99
28) Fluoranthene	19.087	202	10334	0.365	ng	99
30) Pyrene	19.449	202	10737	0.356	ng	100
32) Benzo(a)anthracene	21.198	228	8967	0.389	ng	99
33) Chrysene	21.251	228	9711	0.391	ng	98
34) Bis(2-ethylhexyl)phtha...	21.135	149	5348	0.408	ng	100
36) Indeno(1,2,3-cd)pyrene	25.637	276	7939	0.353	ng	100
37) Benzo(b)fluoranthene	22.760	252	8326	0.360	ng	99
38) Benzo(k)fluoranthene	22.804	252	8759	0.376	ng	99
39) Benzo(a)pyrene	23.325	252	7401	0.389	ng	97
40) Dibenzo(a,h)anthracene	25.652	278	6108	0.345	ng	99
41) Benzo(g,h,i)perylene	26.313	276	6141	0.313	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036979.D
Acq On : 08 May 2025 18:41
Operator : RC/JU
Sample : PB167915BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB167915BS

Quant Time: May 09 09:34:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036975.D
Acq On : 08 May 2025 16:16
Operator : RC/JU
Sample : Q1939-04MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB2BMS

Quant Time: May 08 16:43:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

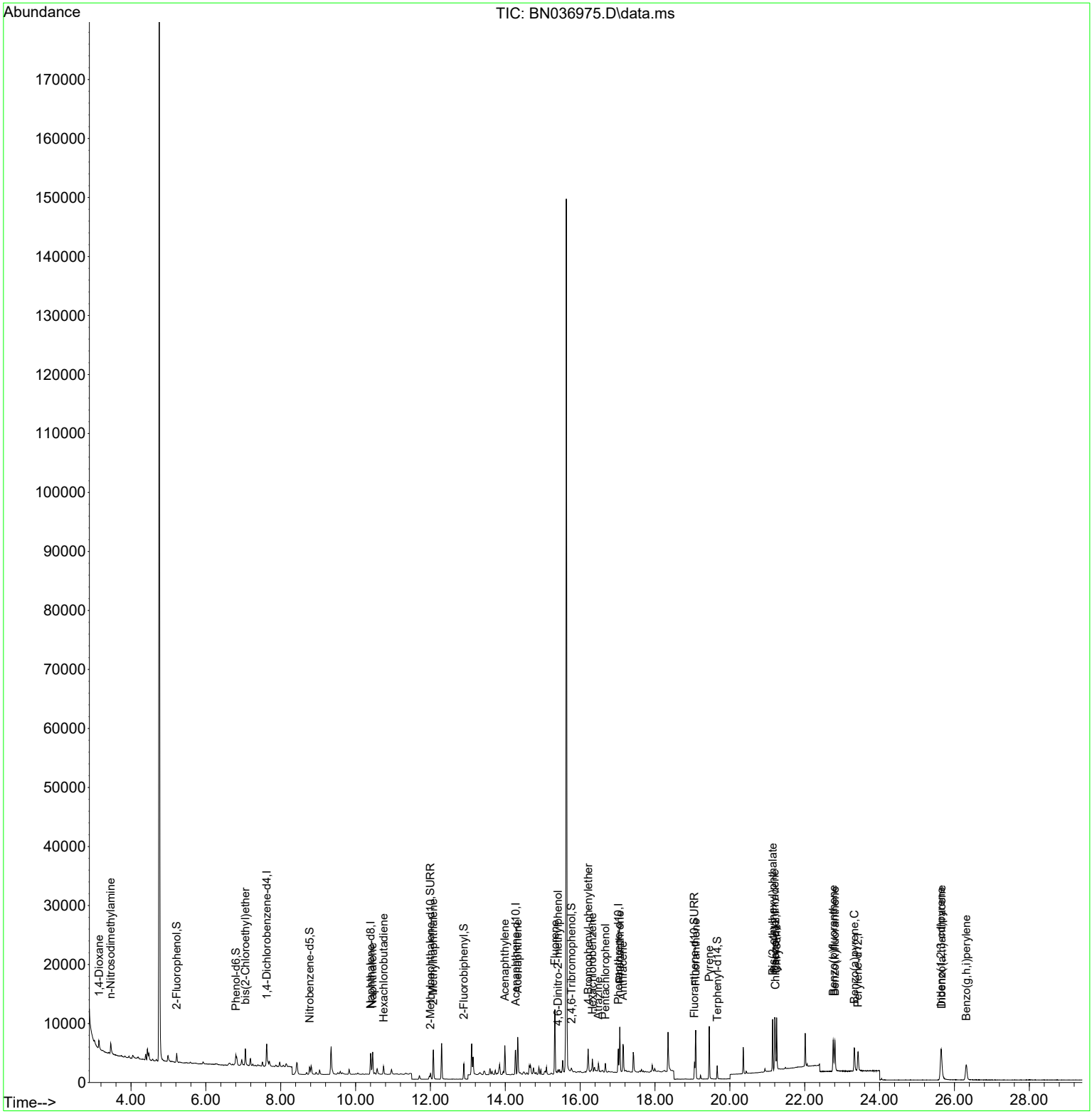
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1704	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4360	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2385	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5063	0.400	ng	# 0.00
29) Chrysene-d12	21.215	240	4471	0.400	ng	# 0.00
35) Perylene-d12	23.424	264	4298	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	1017	0.233	ng	0.00
5) Phenol-d6	6.802	99	1298	0.242	ng	0.00
8) Nitrobenzene-d5	8.771	82	1005	0.220	ng	-0.01
11) 2-Methylnaphthalene-d10	12.001	152	1345	0.221	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	238	0.224	ng	0.00
15) 2-Fluorobiphenyl	12.893	172	2233	0.194	ng	0.00
27) Fluoranthene-d10	19.054	212	3006	0.229	ng	0.00
31) Terphenyl-d14	19.663	244	2092	0.198	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.148	88	719	0.339	ng	# 11
3) n-Nitrosodimethylamine	3.458	42	1767	0.429	ng	90
6) bis(2-Chloroethyl)ether	7.055	93	1918	0.386	ng	99
9) Naphthalene	10.458	128	4753	0.375	ng	100
10) Hexachlorobutadiene	10.746	225	1025	0.373	ng	# 98
12) 2-Methylnaphthalene	12.077	142	3444	0.420	ng	99
16) Acenaphthylene	13.989	152	4556	0.391	ng	97
17) Acenaphthene	14.331	154	2973	0.388	ng	98
18) Fluorene	15.325	166	4067	0.406	ng	99
20) 4,6-Dinitro-2-methylph...	15.410	198	432	0.322	ng	# 73
21) 4-Bromophenyl-phenylether	16.214	248	1264	0.374	ng	# 67
22) Hexachlorobenzene	16.326	284	1266	0.342	ng	96
23) Atrazine	16.487	200	1110	0.407	ng	# 92
24) Pentachlorophenol	16.673	266	623	0.314	ng	98
25) Phenanthrene	17.058	178	7313	0.438	ng	99
26) Anthracene	17.145	178	5839	0.386	ng	99
28) Fluoranthene	19.087	202	7262	0.388	ng	99
30) Pyrene	19.449	202	7672	0.356	ng	99
32) Benzo(a)anthracene	21.198	228	6467	0.393	ng	98
33) Chrysene	21.251	228	7045	0.397	ng	99
34) Bis(2-ethylhexyl)phtha...	21.144	149	6904	0.737	ng	99
36) Indeno(1,2,3-cd)pyrene	25.637	276	6779	0.386	ng	99
37) Benzo(b)fluoranthene	22.760	252	6538	0.362	ng	98
38) Benzo(k)fluoranthene	22.807	252	6781	0.373	ng	100
39) Benzo(a)pyrene	23.328	252	5810	0.391	ng	96
40) Dibenzo(a,h)anthracene	25.655	278	5158	0.373	ng	99
41) Benzo(g,h,i)perylene	26.318	276	5341	0.348	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036975.D
Acq On : 08 May 2025 16:16
Operator : RC/JU
Sample : Q1939-04MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB2BMS

Quant Time: May 08 16:43:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036976.D
Acq On : 08 May 2025 16:53
Operator : RC/JU
Sample : Q1939-04MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB2BMSD

Quant Time: May 08 18:27:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

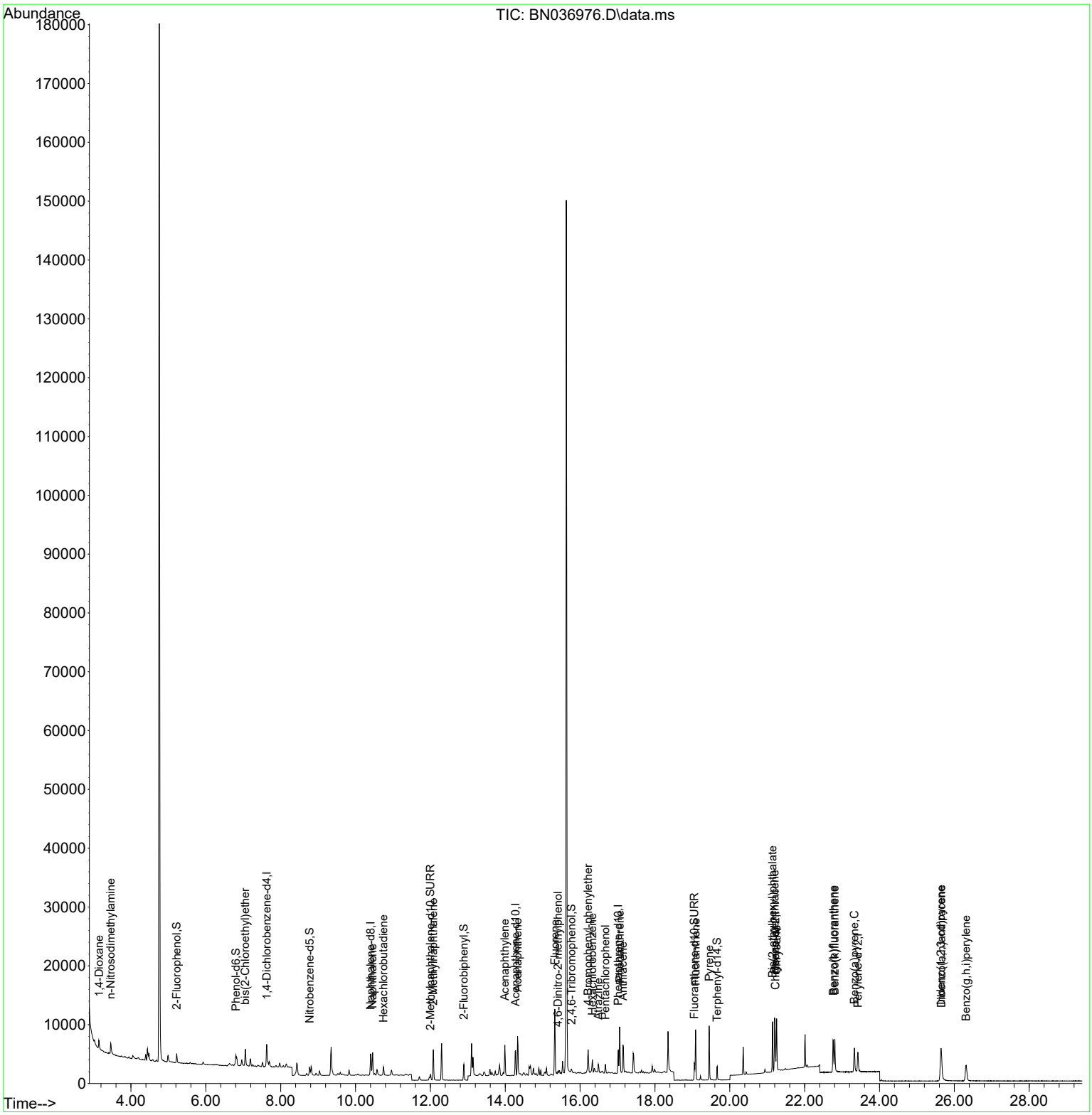
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1746	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4442	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2456	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5135	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4532	0.400	ng	# 0.00
35) Perylene-d12	23.421	264	4358	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	1050	0.235	ng	0.00
5) Phenol-d6	6.802	99	1326	0.241	ng	0.00
8) Nitrobenzene-d5	8.771	82	1026	0.221	ng	-0.01
11) 2-Methylnaphthalene-d10	12.001	152	1396	0.225	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	262	0.239	ng	0.00
15) 2-Fluorobiphenyl	12.893	172	2299	0.194	ng	0.00
27) Fluoranthene-d10	19.054	212	3110	0.234	ng	0.00
31) Terphenyl-d14	19.663	244	2125	0.199	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.148	88	751	0.345	ng	# 33
3) n-Nitrosodimethylamine	3.458	42	1657	0.392	ng	# 97
6) bis(2-Chloroethyl)ether	7.055	93	1962	0.385	ng	99
9) Naphthalene	10.458	128	4811	0.372	ng	98
10) Hexachlorobutadiene	10.746	225	1062	0.380	ng	# 97
12) 2-Methylnaphthalene	12.077	142	3488	0.417	ng	99
16) Acenaphthylene	13.989	152	4666	0.389	ng	98
17) Acenaphthene	14.331	154	3061	0.388	ng	99
18) Fluorene	15.325	166	4121	0.400	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.410	198	412	0.303	ng	# 72
21) 4-Bromophenyl-phenylether	16.214	248	1285	0.375	ng	# 66
22) Hexachlorobenzene	16.326	284	1291	0.344	ng	95
23) Atrazine	16.487	200	1132	0.409	ng	# 92
24) Pentachlorophenol	16.673	266	635	0.315	ng	98
25) Phenanthrene	17.058	178	7596	0.448	ng	99
26) Anthracene	17.145	178	5847	0.381	ng	99
28) Fluoranthene	19.086	202	7425	0.391	ng	99
30) Pyrene	19.449	202	7811	0.358	ng	99
32) Benzo(a)anthracene	21.197	228	6578	0.394	ng	99
33) Chrysene	21.251	228	7149	0.397	ng	99
34) Bis(2-ethylhexyl)phtha...	21.144	149	7041	0.742	ng	99
36) Indeno(1,2,3-cd)pyrene	25.640	276	6746	0.379	ng	99
37) Benzo(b)fluoranthene	22.760	252	6681	0.365	ng	98
38) Benzo(k)fluoranthene	22.804	252	6822	0.370	ng	99
39) Benzo(a)pyrene	23.328	252	5908	0.392	ng	98
40) Dibenzo(a,h)anthracene	25.655	278	5327	0.380	ng	98
41) Benzo(g,h,i)perylene	26.313	276	5396	0.347	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036976.D
Acq On : 08 May 2025 16:53
Operator : RC/JU
Sample : Q1939-04MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB2BMSD

Quant Time: May 08 18:27:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	BN042825	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN036923.D	1,4-Dioxane	Rahul	4/29/2025 8:53:49 AM	Jagrut	4/29/2025 11:57:36 AM	Peak Integrated by Software
SSTDICC0.2	BN036924.D	1,4-Dioxane	Rahul	4/29/2025 8:53:52 AM	Jagrut	4/29/2025 11:57:39 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BN050825	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1939-06	BN036978.D	2-Fluorobiphenyl	Rahul	5/9/2025 9:44:03 AM	Jagrut	5/9/2025 3:44:58 PM	Peak Integrated by Software
Q1939-06	BN036978.D	Benzo(a)pyrene	Rahul	5/9/2025 9:44:03 AM	Jagrut	5/9/2025 3:44:58 PM	Peak Integrated by Software
Q1939-06	BN036978.D	Benzo(k)fluoranthene	Rahul	5/9/2025 9:44:03 AM	Jagrut	5/9/2025 3:44:58 PM	Peak Integrated by Software

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN042825

Review By	Rahul	Review On	4/29/2025 8:54:47 AM		
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:54 AM		
SubDirectory	BN042825	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036922.D	28 Apr 2025 10:56	RC/JU	Ok
2	SSTDICC0.1	BN036923.D	28 Apr 2025 11:35	RC/JU	Ok,M
3	SSTDICC0.2	BN036924.D	28 Apr 2025 12:11	RC/JU	Ok,M
4	SSTDICCC0.4	BN036925.D	28 Apr 2025 12:47	RC/JU	Ok
5	SSTDICC0.8	BN036926.D	28 Apr 2025 13:24	RC/JU	Ok
6	SSTDICC1.6	BN036927.D	28 Apr 2025 14:00	RC/JU	Ok
7	SSTDICC3.2	BN036928.D	28 Apr 2025 14:36	RC/JU	Ok
8	SSTDICC5.0	BN036929.D	28 Apr 2025 15:12	RC/JU	Ok
9	SSTDICV0.4	BN036930.D	28 Apr 2025 15:51	RC/JU	Ok
10	PB167430BL	BN036931.D	28 Apr 2025 17:39	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN050825

Review By	Rahul	Review On	5/9/2025 9:44:58 AM				
Supervise By	Jagrut	Supervise On	5/9/2025 3:46:05 PM				
SubDirectory	BN050825	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN042825		

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN036971.D	08 May 2025 13:49	RC/JU	Ok
2	SSTDCCC0.4	BN036972.D	08 May 2025 14:28	RC/JU	Ok
3	PB167915BL	BN036973.D	08 May 2025 15:04	RC/JU	Ok
4	Q1939-04	BN036974.D	08 May 2025 15:40	RC/JU	Ok
5	Q1939-04MS	BN036975.D	08 May 2025 16:16	RC/JU	Ok
6	Q1939-04MSD	BN036976.D	08 May 2025 16:53	RC/JU	Ok
7	Q1939-02	BN036977.D	08 May 2025 17:29	RC/JU	Ok
8	Q1939-06	BN036978.D	08 May 2025 18:05	RC/JU	Ok,M
9	PB167915BS	BN036979.D	08 May 2025 18:41	RC/JU	Ok
10	SSTDCCC0.4	BN036980.D	08 May 2025 19:18	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN042825

Review By	Rahul	Review On	4/29/2025 8:54:47 AM	
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:54 AM	
SubDirectory	BN042825	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036922.D	28 Apr 2025 10:56		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN036923.D	28 Apr 2025 11:35	Compound#20 removed from 0.1 ppm	RC/JU	Ok,M
3	SSTDICC0.2	SSTDICC0.2	BN036924.D	28 Apr 2025 12:11		RC/JU	Ok,M
4	SSTDICCC0.4	SSTDICCC0.4	BN036925.D	28 Apr 2025 12:47		RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN036926.D	28 Apr 2025 13:24		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN036927.D	28 Apr 2025 14:00		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN036928.D	28 Apr 2025 14:36		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN036929.D	28 Apr 2025 15:12		RC/JU	Ok
9	SSTDICV0.4	ICVBN042825	BN036930.D	28 Apr 2025 15:51		RC/JU	Ok
10	PB167430BL	PB167430BL	BN036931.D	28 Apr 2025 17:39	Internal Standard Fail, Analyzed for contamination check	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN050825

Review By	Rahul	Review On	5/9/2025 9:44:58 AM	
Supervise By	Jagrut	Supervise On	5/9/2025 3:46:05 PM	
SubDirectory	BN050825	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6738,SP6736,SP6735,SP6734,SP6733,SP6732,SP6731
CCC	SP6735
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN036971.D	08 May 2025 13:49		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN036972.D	08 May 2025 14:28		RC/JU	Ok
3	PB167915BL	PB167915BL	BN036973.D	08 May 2025 15:04		RC/JU	Ok
4	Q1939-04	GB2B	BN036974.D	08 May 2025 15:40		RC/JU	Ok
5	Q1939-04MS	GB2BMS	BN036975.D	08 May 2025 16:16		RC/JU	Ok
6	Q1939-04MSD	GB2BMSD	BN036976.D	08 May 2025 16:53		RC/JU	Ok
7	Q1939-02	GB1B	BN036977.D	08 May 2025 17:29		RC/JU	Ok
8	Q1939-06	GB3B	BN036978.D	08 May 2025 18:05	Internal Standard Fail	RC/JU	Ok,M
9	PB167915BS	PB167915BS	BN036979.D	08 May 2025 18:41		RC/JU	Ok
10	SSTDCCC0.4	SSTDCCC0.4EC	BN036980.D	08 May 2025 19:18		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167915

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/08/2025
Matrix :	Solid			**Extraction Start Time :**	10:03
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	05/08/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:10
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

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	0.4 PPM	SP6739
Surrogate	1.0ML	0.4 PPM	SP6755
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	EP2600
Baked Na2SO4	N/A	EP2607
Sand	N/A	E2865
Methylene Chloride	N/A	E3930
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
5/8/25	RS (EXT lab)	RC/SVOC
13:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167915

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/08/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167915BL	SBLK915	SVOC-SIMGroup1	30.02	N/A	ritesh	Evelyn	1			U2-1
PB167915BS	SLCS915	SVOC-SIMGroup1	30.01	N/A	ritesh	Evelyn	1			2
Q1872-11	HW0425-PT-BNA-SOIL	SVOCMS Group2	30.21	N/A	ritesh	Evelyn	1	A		3
Q1872-12	HW0425-PT-TRIAZINE-SOIL	SVOCMS Group5	30.37	N/A	ritesh	Evelyn	1	A		4
Q1872-13	HW0425-PT-PAH-SOIL	SVOCMS Group3	30.15	N/A	ritesh	Evelyn	1	A		5
Q1939-02	GB1B	SVOC-SIMGroup1	30.05	N/A	ritesh	Evelyn	1	E		6
Q1939-04	GB2B	SVOC-SIMGroup1	30.08	N/A	ritesh	Evelyn	1	E		U3-1
Q1939-04MS	GB2BMS	SVOC-SIMGroup1	30.02	N/A	ritesh	Evelyn	1	E		2
Q1939-04MSD	GB2BMSD	SVOC-SIMGroup1	30.04	N/A	ritesh	Evelyn	1	E		3
Q1939-06	GB3B	SVOC-SIMGroup1	30.07	N/A	ritesh	Evelyn	1	E		4

RS 5/8

* **Extracts relinquished on the same date as received.**

Q1939

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1939 **WorkList ID :** 189390 **Department :** Extraction **Date :** 05-08-2025 09:56:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-11	HW0425-PT-BNA-SOIL	Solid	SVOCMS Group2	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8270-Modified
Q1872-12	HW0425-PT-TRIAZINE-SOIL	Solid	SVOCMS Group5	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8270-Modified
Q1872-13	HW0425-PT-PAH-SOIL	Solid	SVOCMS Group3	Cool 4 deg C	ALLI03	QA Of	04/21/2025	8270-Modified
Q1939-02	GB1B	Solid	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L51	05/01/2025	8270-Modified
Q1939-04	GB2B	Solid	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L51	05/01/2025	8270-Modified
Q1939-06	GB3B	Solid	SVOC-SIMGroup1	Cool 4 deg C	GENV01	L51	05/01/2025	8270-Modified

Date/Time 5/8/25 10:20

Raw Sample Received by: RJ (Ext (06)

Raw Sample Relinquished by:

Date/Time 5/8/25 10:20

Raw Sample Received by:

Raw Sample Relinquished by: RJ (Ext (06)

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LAB CHRONICLE

OrderID:	Q1939	**OrderDate:**	5/1/2025 2:51:00 PM
Client:	G Environmental	**Project:**	Amsterdam
Contact:	Gary Landis	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1939-02	**GB1B**	**SOIL**			**05/01/25**			**05/01/25**
			SVOC-SIMGroup1	8270-Modified		05/08/25	05/08/25	
Q1939-04	**GB2B**	**SOIL**			**05/01/25**			**05/01/25**
			SVOC-SIMGroup1	8270-Modified		05/08/25	05/08/25	
Q1939-06	**GB3B**	**SOIL**			**05/01/25**			**05/01/25**
			SVOC-SIMGroup1	8270-Modified		05/08/25	05/08/25	

SAMPLE DATA

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Report of Analysis

Client:	G Environmental		Date Collected:	05/01/25	
Project:	Amsterdam		Date Received:	05/01/25	
Client Sample ID:	GB1		SDG No.:	Q1939	
Lab Sample ID:	Q1939-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.8	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/02/25 09:15	05/05/25 12:00	PB167833

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.23		1	1.39	2.36	mg/kg	FC068764.D
Aliphatic C9-C28	Aliphatic C9-C28	5.37		1	1.07	4.71	mg/kg	FC068764.D
Total AliphaticEPH	Total AliphaticEPH	11.6			2.46	7.08	mg/kg	
Total EPH	Total EPH	11.6			2.46	7.08	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	G Environmental		Date Collected:	05/01/25	
Project:	Amsterdam		Date Received:	05/01/25	
Client Sample ID:	GB1		SDG No.:	Q1939	
Lab Sample ID:	Q1939-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.8	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068764.D	1	05/02/25	05/05/25	PB167833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.37		1.07	4.71	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.23		1.39	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.4		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.9		40 - 140	60%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1939-01	Acq On:	05 May 2025 12:00
Client Sample ID:	GB1	Operator:	YP/AJ
Data file:	FC068764.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	3.342	6.643	264625	2.513	300	ug/ml
Aliphatic C12-C16	6.644	10.043	541080	5.288	200	ug/ml
Aliphatic C16-C21	10.044	13.410	811156	8.209	300	ug/ml
Aliphatic C21-C28	13.411	17.073	4930006	52.344	400	ug/ml
Aliphatic C28-C40	17.074	22.072	7135066	79.382	600	ug/ml
Aliphatic EPH	3.342	22.072	13681933	147.736		ug/ml
ortho-Terphenyl (SURR)	11.712	11.712	3812834	29.94		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	3477612	37.44		ug/ml
Aliphatic C9-C28	3.342	17.073	6546867	68.354	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	05/01/25	
Project:	Amsterdam		Date Received:	05/01/25	
Client Sample ID:	GB2		SDG No.:	Q1939	
Lab Sample ID:	Q1939-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	78	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/02/25 09:15	05/02/25 19:24	PB167833

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.28		1	1.51	2.56	mg/kg	FE053630.D
Aliphatic C9-C28	Aliphatic C9-C28	88.5		1	1.16	5.12	mg/kg	FE053630.D
Total AliphaticEPH	Total AliphaticEPH	91.8			2.67	7.68	mg/kg	
Total EPH	Total EPH	91.8			2.67	7.68	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	G Environmental		Date Collected:	05/01/25	
Project:	Amsterdam		Date Received:	05/01/25	
Client Sample ID:	GB2		SDG No.:	Q1939	
Lab Sample ID:	Q1939-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	78	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053630.D	1	05/02/25	05/02/25	PB167833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	88.5		1.16	5.12	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.28		1.51	2.56	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.3		40 - 140	45%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.5		40 - 140	43%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1939-03	Acq On:	02 May 2025 19:24
Client Sample ID:	GB2	Operator:	YP\AJ
Data file:	FE053630.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.755	10468117	75.548	300	ug/ml
Aliphatic C12-C16	6.756	10.204	77015519	543.104	200	ug/ml
Aliphatic C16-C21	10.205	13.579	56743374	390.354	300	ug/ml
Aliphatic C21-C28	13.580	17.248	4064777	28.59	400	ug/ml
Aliphatic C28-C40	17.249	22.135	4960118	38.436	600	ug/ml
Aliphatic EPH	3.114	22.135	153251905	1080		ug/ml
ortho-Terphenyl (SURR)	11.865	11.865	3877342	21.5		ug/ml
1-chlorooctadecane (SURR)	13.311	13.311	3020419	22.34		ug/ml
Aliphatic C9-C28	3.114	17.248	148291787	1040	1200	ug/ml

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Report of Analysis

Client:	G Environmental			Date Collected:	05/01/25
Project:	Amsterdam			Date Received:	05/01/25
Client Sample ID:	GB3			SDG No.:	Q1939
Lab Sample ID:	Q1939-05			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86.6
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/02/25 09:15	05/05/25 11:44	PB167833

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.85	J	1	1.36	2.31	mg/kg	FE053637.D
Aliphatic C9-C28	Aliphatic C9-C28	1.58	J	1	1.05	4.61	mg/kg	FE053637.D
Total AliphaticEPH	Total AliphaticEPH	3.43	J		2.41	6.92	mg/kg	
Total EPH	Total EPH	3.43	J		2.41	6.92	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	G Environmental		Date Collected:	05/01/25	
Project:	Amsterdam		Date Received:	05/01/25	
Client Sample ID:	GB3		SDG No.:	Q1939	
Lab Sample ID:	Q1939-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.6	
Sample Wt/Vol:	30.04	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053637.D	1	05/02/25	05/05/25	PB167833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.58	J	1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.85	J	1.36	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.7		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1939-05	Acq On:	05 May 2025 11:44
Client Sample ID:	GB3	Operator:	YP\AJ
Data file:	FE053637.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.112	6.755	321009	2.317	300	ug/ml
Aliphatic C12-C16	6.756	10.204	505742	3.566	200	ug/ml
Aliphatic C16-C21	10.205	13.579	981435	6.752	300	ug/ml
Aliphatic C21-C28	13.580	17.249	1131049	7.955	400	ug/ml
Aliphatic C28-C40	17.250	22.140	3105193	24.062	600	ug/ml
Aliphatic EPH	3.112	22.140	6044428	44.652		ug/ml
ortho-Terphenyl (SURR)	11.867	11.867	5741828	31.84		ug/ml
1-chlorooctadecane (SURR)	13.312	13.312	5360543	39.66		ug/ml
Aliphatic C9-C28	3.112	17.249	2939235	20.59	1200	ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM CASE No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Run Number: FC050225AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB167833BL	77	74		0
PB167833BS	78	75		0
PB167833BSD	76	73		0
MH-QMS	51	47		0
MH-QMSD	49	46		0

	QC LIMITS
1-chlorooctadecane (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: GENV01

Lab Code: CHEM CASE No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Run Number: FC050525AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
GB1	75	60		0

	QC LIMITS
1-chlorooctadecane (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: GENV01

Lab Code: CHEM CASE No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Run Number: FE050225AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
GB2	45	43		0

	QC LIMITS
1-chlorooctadecane (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: GENV01

Lab Code: CHEM CASE No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Run Number: FE050525AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
GB3	79	64		0

	QC LIMITS
1-chlorooctadecane (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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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1939 **SAS No :** Q1939 **SDG No:** Q1939

Sample No : Q1928-01MS **Datafile:** FC068754.D

Client ID : MH-QMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	34.4	5.93	37.6	92		(40-140)
Aliphatic C9-C28	114.7	4.64	105	88		(40-140)

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1939 **SAS No :** Q1939 **SDG No:** Q1939

Sample No : Q1928-01MSD **Datafile:** FC068755.D

Client ID : MH-QMSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	34.4	5.93	37.5	92		0.11 |	(40-140)	25
Aliphatic C9-C28	114.5	4.64	104	87		0.5 |	(40-140)	25

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1939 **SAS No :** Q1939 **SDG No:** Q1939

Sample No : PB167833BS **Datafile:** FC068750.D

Client ID : PB167833BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	26.5	88		(40-140)
Aliphatic C9-C28	99.9	95.3	94		(40-140)

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1939 **SAS No :** Q1939 **SDG No:** Q1939

Sample No : PB167833BSD **Datafile:** FC068751.D

Client ID : PB167833BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	26.1	87		1.5|	(40-140)	50
Aliphatic C9-C28	99.9	93.9	93		1.4|	(40-140)	50

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB167833BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939

Instrument ID: FID_C Lab Sample ID: PB167833BL

Matrix: (soil/water) Solid Date Extracted: 5/2/2025 9:15:00 AM

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167833BS	PB167833BS
PB167833BSD	PB167833BSD
MH-QMS	Q1928-01MS
MH-QMSD	Q1928-01MSD
GB1	Q1939-01
GB2	Q1939-03
GB3	Q1939-05

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Amsterdam			Date Received:	
Client Sample ID:	PB167833BL			SDG No.:	Q1939
Lab Sample ID:	PB167833BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/02/25 09:15	05/02/25 16:33	PB167833

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FC068749.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FC068749.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total EPH	Total EPH	2.09	U		2.09	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	G Environmental		Date Collected:		
Project:	Amsterdam		Date Received:		
Client Sample ID:	PB167833BL		SDG No.:	Q1939	
Lab Sample ID:	PB167833BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068749.D	1	05/02/25	05/02/25	PB167833

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.91	U	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.18	U	1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.5		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		37.2		40 - 140	74%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167833BL	Acq On:	02 May 2025 16:33
Client Sample ID:	PB167833BL	Operator:	YP/AJ
Data file:	FC068749.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.343	6.645	0	0	300	ug/ml
Aliphatic C12-C16	6.646	10.046	0	0	200	ug/ml
Aliphatic C16-C21	10.047	13.415	0	0	300	ug/ml
Aliphatic C21-C28	13.416	17.079	0	0	400	ug/ml
Aliphatic C28-C40	17.080	22.085	0	0	600	ug/ml
Aliphatic EPH	3.343	22.085	0	0		ug/ml
ortho-Terphenyl (SURR)	11.716	11.716	4742359	37.24		ug/ml
1-chlorooctadecane (SURR)	13.149	13.149	3580214	38.54		ug/ml
Aliphatic C9-C28	3.343	17.079	0	0	1200	ug/ml

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Amsterdam			Date Received:	
Client Sample ID:	PB167833BS			SDG No.:	Q1939
Lab Sample ID:	PB167833BS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/02/25 09:15	05/02/25 17:11	PB167833

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	1.18	2.00	mg/kg	FC068750.D
Aliphatic C9-C28	Aliphatic C9-C28	95.3	E	1	0.91	3.99	mg/kg	FC068750.D
Total AliphaticEPH	Total AliphaticEPH	122			2.09	5.99	mg/kg	
Total EPH	Total EPH	122			2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	G Environmental		Date Collected:		
Project:	Amsterdam		Date Received:		
Client Sample ID:	PB167833BS		SDG No.:	Q1939	
Lab Sample ID:	PB167833BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068750.D	1	05/02/25	05/02/25	PB167833

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		95.3	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		26.5		1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		37.3		40 - 140	75%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167833BS	Acq On:	02 May 2025 17:11
Client Sample ID:	PB167833BS	Operator:	YP/AJ
Data file:	FC068750.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.343	6.645	23606409	224.221	300	ug/ml
Aliphatic C12-C16	6.646	10.046	38960672	380.763	200	ug/ml
Aliphatic C16-C21	10.047	13.415	35112294	355.328	300	ug/ml
Aliphatic C21-C28	13.416	17.079	44232371	469.631	400	ug/ml
Aliphatic C28-C40	17.080	22.085	35723885	397.449	600	ug/ml
Aliphatic EPH	3.343	22.085	177635631	1830		ug/ml
ortho-Terphenyl (SURR)	11.716	11.716	4746439	37.27		ug/ml
1-chlorooctadecane (SURR)	13.149	13.149	3617879	38.95		ug/ml
Aliphatic C9-C28	3.343	17.079	141911746	1430	1200	ug/ml

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Amsterdam			Date Received:	
Client Sample ID:	PB167833BSD			SDG No.:	Q1939
Lab Sample ID:	PB167833BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/02/25 09:15	05/02/25 17:49	PB167833

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.1		1	1.18	2.00	mg/kg	FC068751.D
Aliphatic C9-C28	Aliphatic C9-C28	93.9	E	1	0.91	3.99	mg/kg	FC068751.D
Total AliphaticEPH	Total AliphaticEPH	120			2.09	5.99	mg/kg	
Total EPH	Total EPH	120			2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	G Environmental		Date Collected:		
Project:	Amsterdam		Date Received:		
Client Sample ID:	PB167833BSD		SDG No.:	Q1939	
Lab Sample ID:	PB167833BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068751.D	1	05/02/25	05/02/25	PB167833

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		93.9	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		26.1		1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.2		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.5		40 - 140	73%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167833BSD	Acq On:	02 May 2025 17:49
Client Sample ID:	PB167833BSD	Operator:	YP/AJ
Data file:	FC068751.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	3.343	6.645	23206454	220.422	300	ug/ml
Aliphatic C12-C16	6.646	10.046	38598655	377.225	200	ug/ml
Aliphatic C16-C21	10.047	13.415	34449254	348.618	300	ug/ml
Aliphatic C21-C28	13.416	17.079	43680812	463.775	400	ug/ml
Aliphatic C28-C40	17.080	22.085	35159652	391.172	600	ug/ml
Aliphatic EPH	3.343	22.085	175094827	1800		ug/ml
ortho-Terphenyl (SURR)	11.716	11.716	4644152	36.47		ug/ml
1-chlorooctadecane (SURR)	13.148	13.148	3546426	38.18		ug/ml
Aliphatic C9-C28	3.343	17.079	139935175	1410	1200	ug/ml

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Amsterdam			Date Received:	
Client Sample ID:	MH-QMS			SDG No.:	Q1939
Lab Sample ID:	Q1928-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	87.1
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/02/25 09:15	05/02/25 19:42	PB167833

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	37.6		1	1.35	2.29	mg/kg	FC068754.D
Aliphatic C9-C28	Aliphatic C9-C28	105	E	1	1.04	4.59	mg/kg	FC068754.D
Total AliphaticEPH	Total AliphaticEPH	143			2.39	6.88	mg/kg	
Total EPH	Total EPH	143			2.39	6.88	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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:	G Environmental		Date Collected:		
Project:	Amsterdam		Date Received:		
Client Sample ID:	MH-QMS		SDG No.:	Q1939	
Lab Sample ID:	Q1928-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	87.1	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068754.D	1	05/02/25	05/02/25	PB167833

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		105	E	1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		37.6		1.35	2.29	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		25.3		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		23.3		40 - 140	47%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1928-01MS	Acq On:	02 May 2025 19:42
Client Sample ID:	MH-QMS	Operator:	YP/AJ
Data file:	FC068754.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.343	6.645	20467143	194.403	300	ug/ml
Aliphatic C12-C16	6.646	10.046	36278177	354.547	200	ug/ml
Aliphatic C16-C21	10.047	13.415	35082923	355.031	300	ug/ml
Aliphatic C21-C28	13.416	17.079	44564003	473.152	400	ug/ml
Aliphatic C28-C40	17.080	22.085	44154139	491.241	600	ug/ml
Aliphatic EPH	3.343	22.085	180546385	1870		ug/ml
ortho-Terphenyl (SURR)	11.714	11.714	2971417	23.33		ug/ml
1-chlorooctadecane (SURR)	13.147	13.147	2351177	25.31		ug/ml
Aliphatic C9-C28	3.343	17.079	136392246	1380	1200	ug/ml

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Amsterdam			Date Received:	
Client Sample ID:	MH-QMSD			SDG No.:	Q1939
Lab Sample ID:	Q1928-01MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	87.1
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/02/25 09:15	05/02/25 20:19	PB167833

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	37.5		1	1.35	2.29	mg/kg	FC068755.D
Aliphatic C9-C28	Aliphatic C9-C28	105	E	1	1.04	4.59	mg/kg	FC068755.D
Total AliphaticEPH	Total AliphaticEPH	142			2.39	6.88	mg/kg	
Total EPH	Total EPH	142			2.39	6.88	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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:	G Environmental		Date Collected:		
Project:	Amsterdam		Date Received:		
Client Sample ID:	MH-QMSD		SDG No.:	Q1939	
Lab Sample ID:	Q1928-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	87.1	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068755.D	1	05/02/25	05/02/25	PB167833

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		105	E	1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		37.5		1.35	2.29	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		24.4		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		23.0		40 - 140	46%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1928-01MSD	Acq On:	02 May 2025 20:19
Client Sample ID:	MH-QMSD	Operator:	YP/AJ
Data file:	FC068755.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.343	6.645	20934135	198.839	300	ug/ml
Aliphatic C12-C16	6.646	10.046	36195213	353.736	200	ug/ml
Aliphatic C16-C21	10.047	13.415	34515943	349.293	300	ug/ml
Aliphatic C21-C28	13.416	17.079	44160526	468.868	400	ug/ml
Aliphatic C28-C40	17.080	22.085	44146600	491.157	600	ug/ml
Aliphatic EPH	3.343	22.085	179952417	1860		ug/ml
ortho-Terphenyl (SURR)	11.714	11.714	2930800	23.02		ug/ml
1-chlorooctadecane (SURR)	13.147	13.147	2271721	24.45		ug/ml
Aliphatic C9-C28	3.343	17.079	135805817	1370	1200	ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FC040925AL

AreaCount

Parameter Range	FC068515.D	FC068516.D	FC068517.D	FC068518.D	FC068519.D	
Aliphatic C9-C12	28917690.000	15222657.000	6286032.000	3422392.000	1645296.000	
Aliphatic C12-C16	18431489.000	9897338.000	4088590.000	2253140.000	1056103.000	
Aliphatic C16-C21	26693561.000	14380121.000	5937795.000	3290227.000	1508988.000	
Aliphatic C21-C28	34681529.000	18246305.000	7529133.000	4137443.000	1908822.000	
Aliphatic C28-C40	51686216.000	25852842.000	10689091.000	5728785.000	2776165.000	
Aliphatic EPH	160410485.000	83599263.000	34530641.000	18831987.000	8895374.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	105282.0026666	6.555				
Aliphatic C12-C16	102322.575	7.446				
Aliphatic C16-C21	98816.5386664	7.616				
Aliphatic C21-C28	94185.337	6.542				
Aliphatic C28-C40	89882.8349998	4.545				
Aliphatic EPH	96276.6184442	6.125				

Concentration

Parameter Range	FC068515.D	FC068516.D	FC068517.D	FC068518.D	FC068519.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	FC068515.D	FC068516.D	FC068517.D	FC068518.D	FC068519.D	
Aliphatic C9-C12	96392.300000	101484.380000	104767.200000	114079.733333	109686.400000	
Aliphatic C12-C16	92157.445000	98973.380000	102214.750000	112657.000000	105610.300000	
Aliphatic C16-C21	88978.536666	95867.473333	98963.250000	109674.233333	100599.200000	

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Inital Calibration Report for SequenceID : FC040925AL

Aliphatic C21-C28	86703.822500	91231.525000	94114.162500	103436.075000	95441.100000	
Aliphatic C28-C40	86143.693333	86176.140000	89075.758333	95479.750000	92538.833333	
Aliphatic EPH	89116.936111	92888.070000	95918.447222	104622.150000	98837.488888	

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Inital Calibration Report for SequenceID : FE041725AL

AreaCount

Parameter Range	FE053387.D	FE053388.D	FE053389.D	FE053390.D	FE053391.D	
Aliphatic C9-C12	40273090.000	19897378.000	8360865.000	4326048.000	2135544.000	
Aliphatic C12-C16	27441716.000	13492815.000	5715907.000	2962308.000	1458806.000	
Aliphatic C16-C21	41381922.000	20604545.000	8806501.000	4584729.000	2278742.000	
Aliphatic C21-C28	52866206.000	26808218.000	11424282.000	6149304.000	2962608.000	
Aliphatic C28-C40	71474370.000	36798070.000	15512235.000	8329821.000	4060883.000	
Aliphatic EPH	233437304.000	117601026.000	49819790.000	26352210.000	12896583.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	138562.3539998	3.618				
Aliphatic C12-C16	141806.081	3.959				
Aliphatic C16-C21	145363.7646664	5.098				
Aliphatic C21-C28	142174.626	6.444				
Aliphatic C28-C40	129049.1849998	6.424				
Aliphatic EPH	137688.0073328	5.4				

Concentration

Parameter Range	FE053387.D	FE053388.D	FE053389.D	FE053390.D	FE053391.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	FE053387.D	FE053388.D	FE053389.D	FE053390.D	FE053391.D	
Aliphatic C9-C12	134243.633333	132649.186666	139347.750000	144201.600000	142369.600000	
Aliphatic C12-C16	137208.580000	134928.150000	142897.675000	148115.400000	145880.600000	
Aliphatic C16-C21	137939.740000	137363.633333	146775.016666	152824.300000	151916.133333	

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Inital Calibration Report for SequenceID : FE041725AL

Aliphatic C21-C28	132165.515000	134041.090000	142803.525000	153732.600000	148130.400000	
Aliphatic C28-C40	119123.950000	122660.233333	129268.625000	138830.350000	135362.766666	
Aliphatic EPH	129687.391111	130667.806666	138388.305555	146401.166666	143295.366666	

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Continuing Calibration Report for SequenceID : FC050225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068748.D**						
Aliphatic C9-C12	5997337.000	60.000	3.343	6.645	99955.617	105282.003	5.059
Aliphatic C12-C16	3867344.000	40.000	6.646	10.046	96683.600	102322.575	5.511
Aliphatic C16-C21	5592959.000	60.000	10.047	13.415	93215.983	98816.539	5.668
Aliphatic C21-C28	7186492.000	80.000	13.416	17.079	89831.150	94185.337	4.623
Aliphatic C28-C40	11519078.000	120.000	17.080	22.085	95992.317	89882.835	-6.797
Aliphatic EPH	34163210.000	360.000	3.343	22.085	94897.806	96276.618	1.432

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	02 May 2025 15:56
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068748.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.343	6.645	5997337.000	60.000	ug/ml
Aliphatic C12-C16	6.646	10.046	3867344.000	40.000	ug/ml
Aliphatic C16-C21	10.047	13.415	5592959.000	60.000	ug/ml
Aliphatic C21-C28	13.416	17.079	7186492.000	80.000	ug/ml
Aliphatic C28-C40	17.080	22.085	11519078.000	120.000	ug/ml
Aliphatic EPH	3.343	22.085	34163210.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC050225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068758.D**						
Aliphatic C9-C12	5796149.000	60.000	3.343	6.645	96602.483	105282.003	8.244
Aliphatic C12-C16	3655219.000	40.000	6.646	10.046	91380.475	102322.575	10.694
Aliphatic C16-C21	5276212.000	60.000	10.047	13.415	87936.867	98816.539	11.010
Aliphatic C21-C28	6971161.000	80.000	13.416	17.079	87139.513	94185.337	7.481
Aliphatic C28-C40	11514316.000	120.000	17.080	22.085	95952.633	89882.835	-6.753
Aliphatic EPH	33213057.000	360.000	3.343	22.085	92258.492	96276.618	4.174

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	02 May 2025 22:47
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068758.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.343	6.645	5796149.000	60.000	ug/ml
Aliphatic C12-C16	6.646	10.046	3655219.000	40.000	ug/ml
Aliphatic C16-C21	10.047	13.415	5276212.000	60.000	ug/ml
Aliphatic C21-C28	13.416	17.079	6971161.000	80.000	ug/ml
Aliphatic C28-C40	17.080	22.085	11514316.000	120.000	ug/ml
Aliphatic EPH	3.343	22.085	33213057.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC050525AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068761.D**						
Aliphatic C9-C12	6153886.000	60.000	3.342	6.643	102564.767	105282.003	2.581
Aliphatic C12-C16	4011540.000	40.000	6.644	10.043	100288.500	102322.575	1.988
Aliphatic C16-C21	5821248.000	60.000	10.044	13.410	97020.800	98816.539	1.817
Aliphatic C21-C28	7504771.000	80.000	13.411	17.073	93809.638	94185.337	0.399
Aliphatic C28-C40	11707657.000	120.000	17.074	22.072	97563.808	89882.835	-8.546
Aliphatic EPH	35199102.000	360.000	3.342	22.072	97775.283	96276.618	-1.557

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	05 May 2025 10:11
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068761.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.342	6.643	6153886.000	60.000	ug/ml
Aliphatic C12-C16	6.644	10.043	4011540.000	40.000	ug/ml
Aliphatic C16-C21	10.044	13.410	5821248.000	60.000	ug/ml
Aliphatic C21-C28	13.411	17.073	7504771.000	80.000	ug/ml
Aliphatic C28-C40	17.074	22.072	11707657.000	120.000	ug/ml
Aliphatic EPH	3.342	22.072	35199102.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC050525AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068766.D**						
Aliphatic C9-C12	6034329.000	60.000	3.342	6.643	100572.150	105282.003	4.474
Aliphatic C12-C16	3891947.000	40.000	6.644	10.043	97298.675	102322.575	4.910
Aliphatic C16-C21	5644445.000	60.000	10.044	13.410	94074.083	98816.539	4.799
Aliphatic C21-C28	7443449.000	80.000	13.411	17.073	93043.113	94185.337	1.213
Aliphatic C28-C40	12269931.000	120.000	17.074	22.072	102249.425	89882.835	-13.759
Aliphatic EPH	35284101.000	360.000	3.342	22.072	98011.392	96276.618	-1.802

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	05 May 2025 13:13
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068766.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.342	6.643	6034329.000	60.000	ug/ml
Aliphatic C12-C16	6.644	10.043	3891947.000	40.000	ug/ml
Aliphatic C16-C21	10.044	13.410	5644445.000	60.000	ug/ml
Aliphatic C21-C28	13.411	17.073	7443449.000	80.000	ug/ml
Aliphatic C28-C40	17.074	22.072	12269931.000	120.000	ug/ml
Aliphatic EPH	3.342	22.072	35284101.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE050225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE053618.D**						
Aliphatic C9-C12	8509712.000	60.000	3.114	6.755	141828.533	138562.354	-2.357
Aliphatic C12-C16	5638130.000	40.000	6.756	10.204	140953.250	141806.081	0.601
Aliphatic C16-C21	8230190.000	60.000	10.205	13.579	137169.833	145363.765	5.637
Aliphatic C21-C28	10288413.000	80.000	13.580	17.248	128605.163	142174.626	9.544
Aliphatic C28-C40	14723785.000	120.000	17.249	22.135	122698.208	129049.185	4.921
Aliphatic EPH	47390230.000	360.000	3.114	22.135	131639.528	137688.007	4.393

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	02 May 2025 10:11
Client Sample ID:		Operator:	YP\AJ
Data file:	FE053618.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.114	6.755	8509712.000	60.000	ug/ml
Aliphatic C12-C16	6.756	10.204	5638130.000	40.000	ug/ml
Aliphatic C16-C21	10.205	13.579	8230190.000	60.000	ug/ml
Aliphatic C21-C28	13.580	17.248	10288413.000	80.000	ug/ml
Aliphatic C28-C40	17.249	22.135	14723785.000	120.000	ug/ml
Aliphatic EPH	3.114	22.135	47390230.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE050225AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE053633.D**						
Aliphatic C9-C12	7523288.000	60.000	3.114	6.755	125388.133	138562.354	9.508
Aliphatic C12-C16	5185546.000	40.000	6.756	10.204	129638.650	141806.081	8.580
Aliphatic C16-C21	7773718.000	60.000	10.205	13.579	129561.967	145363.765	10.871
Aliphatic C21-C28	10140274.000	80.000	13.580	17.248	126753.425	142174.626	10.847
Aliphatic C28-C40	15671059.000	120.000	17.249	22.135	130592.158	129049.185	-1.196
Aliphatic EPH	46293885.000	360.000	3.114	22.135	128594.125	137688.007	6.605

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	02 May 2025 21:25
Client Sample ID:		Operator:	YP\AJ
Data file:	FE053633.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.114	6.755	7523288.000	60.000	ug/ml
Aliphatic C12-C16	6.756	10.204	5185546.000	40.000	ug/ml
Aliphatic C16-C21	10.205	13.579	7773718.000	60.000	ug/ml
Aliphatic C21-C28	13.580	17.248	10140274.000	80.000	ug/ml
Aliphatic C28-C40	17.249	22.135	15671059.000	120.000	ug/ml
Aliphatic EPH	3.114	22.135	46293885.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE050525AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE053636.D**						
Aliphatic C9-C12	9053371.000	60.000	3.112	6.755	150889.517	138562.354	-8.896
Aliphatic C12-C16	6123271.000	40.000	6.756	10.204	153081.775	141806.081	-7.951
Aliphatic C16-C21	9060193.000	60.000	10.205	13.579	151003.217	145363.765	-3.880
Aliphatic C21-C28	11308512.000	80.000	13.580	17.249	141356.400	142174.626	0.576
Aliphatic C28-C40	14043864.000	120.000	17.250	22.140	117032.200	129049.185	9.312
Aliphatic EPH	49589211.000	360.000	3.112	22.140	137747.808	137688.007	-0.043

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	05 May 2025 11:14
Client Sample ID:		Operator:	YP\AJ
Data file:	FE053636.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.112	6.755	9053371.000	60.000	ug/ml
Aliphatic C12-C16	6.756	10.204	6123271.000	40.000	ug/ml
Aliphatic C16-C21	10.205	13.579	9060193.000	60.000	ug/ml
Aliphatic C21-C28	13.580	17.249	11308512.000	80.000	ug/ml
Aliphatic C28-C40	17.250	22.140	14043864.000	120.000	ug/ml
Aliphatic EPH	3.112	22.140	49589211.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FE050525AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE053640.D**						
Aliphatic C9-C12	9038765.000	60.000	3.112	6.755	150646.083	138562.354	-8.721
Aliphatic C12-C16	6131080.000	40.000	6.756	10.204	153277.000	141806.081	-8.089
Aliphatic C16-C21	9075695.000	60.000	10.205	13.579	151261.583	145363.765	-4.057
Aliphatic C21-C28	11352728.000	80.000	13.580	17.249	141909.100	142174.626	0.187
Aliphatic C28-C40	14676919.000	120.000	17.250	22.140	122307.658	129049.185	5.224
Aliphatic EPH	50275187.000	360.000	3.112	22.140	139653.297	137688.007	-1.427

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	05 May 2025 13:44
Client Sample ID:		Operator:	YP\AJ
Data file:	FE053640.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.112	6.755	9038765.000	60.000	ug/ml
Aliphatic C12-C16	6.756	10.204	6131080.000	40.000	ug/ml
Aliphatic C16-C21	10.205	13.579	9075695.000	60.000	ug/ml
Aliphatic C21-C28	13.580	17.249	11352728.000	80.000	ug/ml
Aliphatic C28-C40	17.250	22.140	14676919.000	120.000	ug/ml
Aliphatic EPH	3.112	22.140	50275187.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050525AL\
Data File : FC068764.D
Signal(s) : FID1A.ch
Acq On : 05 May 2025 12:00
Operator : YP/AJ
Sample : Q1939-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GB1

Integration File: autoint1.e
Quant Time: May 06 03:49:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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			
9) S ortho-Terphenyl (SURR)	11.712	3812834	29.943 ug/ml
Spiked Amount 50.000		Recovery =	59.89%
12) S 1-chlorooctadecane (S...	13.145	3477612	37.436 ug/ml
Spiked Amount 50.000		Recovery =	74.87%
Target Compounds			

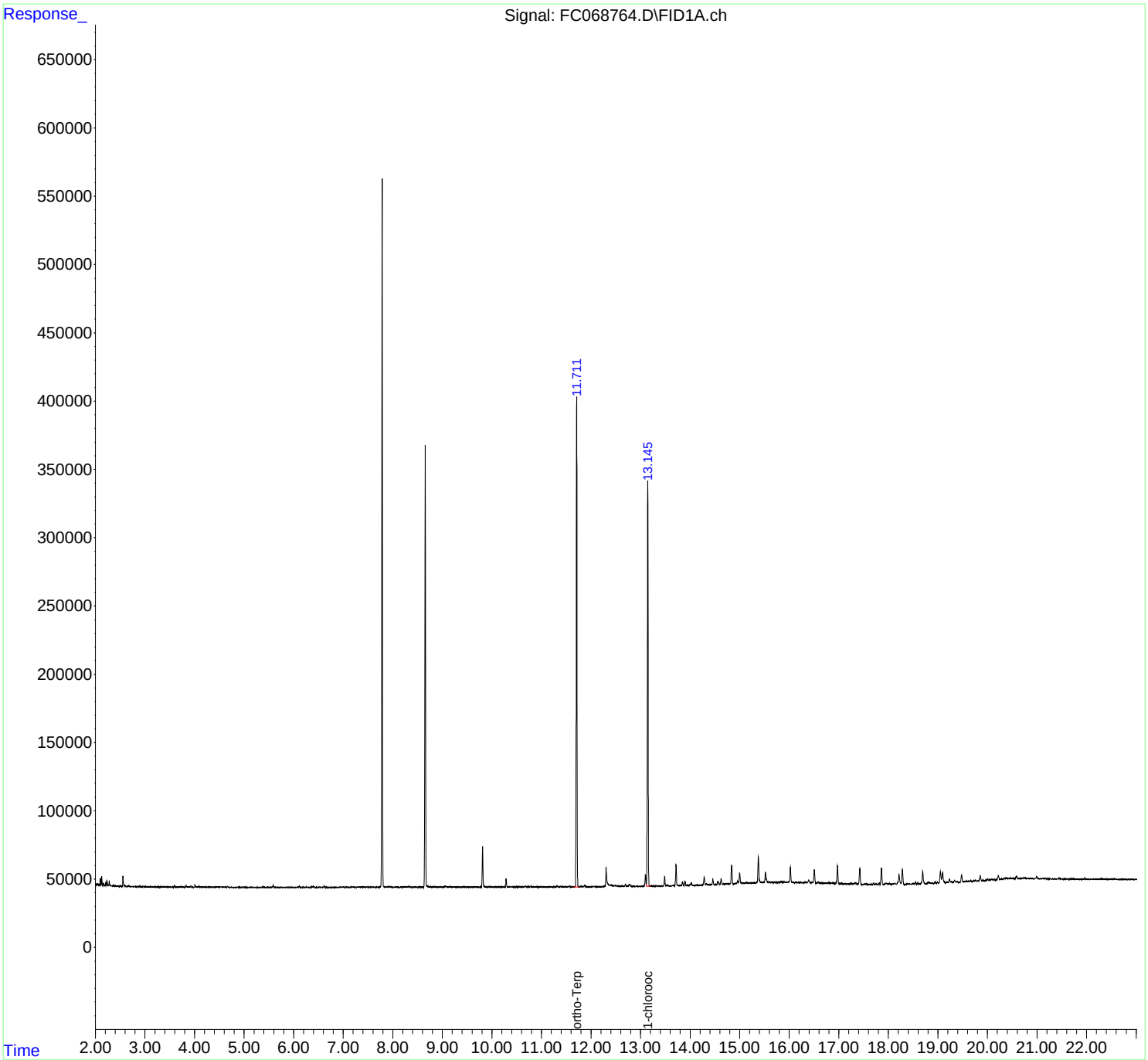
(f)=RT Delta > 1/2 Window (m)=manual int.

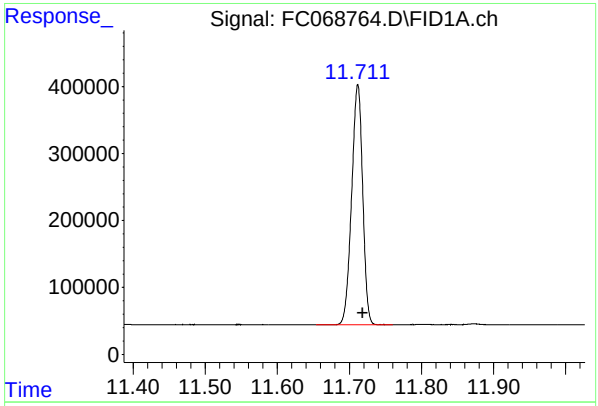
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050525AL\
Data File : FC068764.D
Signal(s) : FID1A.ch
Acq On : 05 May 2025 12:00
Operator : YP/AJ
Sample : Q1939-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
GB1

Integration File: autoint1.e
Quant Time: May 06 03:49:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

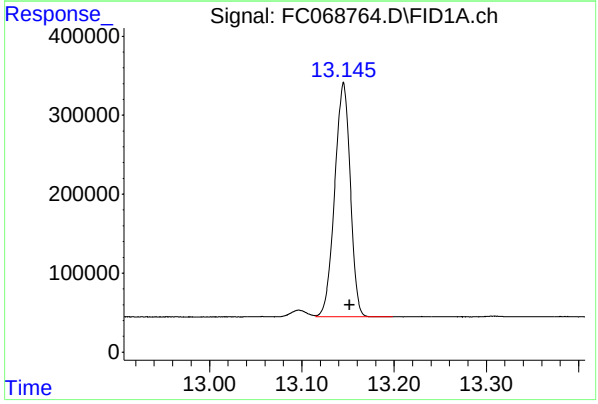




#9 ortho-Terphenyl (SURR)

R.T.: 11.712 min
Delta R.T.: -0.007 min
Response: 3812834
Conc: 29.94 ug/ml

Instrument :
FID_C
ClientSampleId :
GB1



#12 1-chlorooctadecane (SURR)

R.T.: 13.145 min
Delta R.T.: -0.007 min
Response: 3477612
Conc: 37.44 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050525AL\
Data File : FC068764.D
Signal(s) : FID1A.ch
Acq On : 05 May 2025 12:00
Sample : Q1939-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.228	3.205	3.275	BV	113	1935	0.05%	0.009%
2	3.279	3.275	3.301	PV	126	803	0.02%	0.004%
3	3.322	3.301	3.427	VV	231	8369	0.22%	0.040%
4	3.444	3.427	3.478	VV	189	2480	0.06%	0.012%
5	3.496	3.478	3.505	VV	116	967	0.03%	0.005%
6	3.522	3.505	3.545	VV	128	1209	0.03%	0.006%
7	3.592	3.545	3.667	PV	867	12248	0.32%	0.058%
8	3.689	3.667	3.745	VV	269	5296	0.14%	0.025%
9	3.760	3.745	3.795	VV	195	3173	0.08%	0.015%
10	3.828	3.795	3.907	VV	1343	15044	0.39%	0.071%
11	3.927	3.907	3.986	VV	1003	10151	0.27%	0.048%
12	4.009	3.986	4.042	VV	1650	15144	0.40%	0.072%
13	4.090	4.042	4.114	VV	872	9102	0.24%	0.043%
14	4.124	4.114	4.182	VV	127	3316	0.09%	0.016%
15	4.195	4.182	4.240	VV	91	2219	0.06%	0.010%
16	4.281	4.240	4.306	VV	198	4702	0.12%	0.022%
17	4.315	4.306	4.354	VV	180	3457	0.09%	0.016%
18	4.365	4.354	4.378	VV	146	1403	0.04%	0.007%
19	4.445	4.378	4.478	VV	161	5647	0.15%	0.027%
20	4.487	4.478	4.501	VV	143	1315	0.03%	0.006%
21	4.520	4.501	4.595	VV	500	10770	0.28%	0.051%
22	4.606	4.595	4.644	VV	177	3083	0.08%	0.015%
23	4.664	4.644	4.713	VV	677	9108	0.24%	0.043%
24	4.732	4.713	4.768	VV	117	2217	0.06%	0.010%
25	4.806	4.768	4.831	VV	85	2284	0.06%	0.011%
26	4.871	4.845	4.882	VV	140	1688	0.04%	0.008%
27	4.900	4.882	4.958	VV	152	3195	0.08%	0.015%
28	4.971	4.958	5.030	VV	110	1925	0.05%	0.009%
29	5.071	5.030	5.080	PV	131	1807	0.05%	0.009%
30	5.107	5.080	5.194	VV	181	4229	0.11%	0.020%
31	5.202	5.194	5.226	PV	117	1322	0.03%	0.006%
32	5.240	5.226	5.298	VV	121	3227	0.08%	0.015%
33	5.301	5.298	5.308	VV	118	406	0.01%	0.002%
34	5.344	5.308	5.357	VV	133	2808	0.07%	0.013%
35	5.378	5.357	5.412	VV	548	6651	0.17%	0.031%
36	5.417	5.412	5.442	VV	90	1206	0.03%	0.006%

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37	5.455	5.442	5.489	VV	92	1766	0.05%	0.008%
38	5.559	5.489	5.570	PV	204	4169	0.11%	0.020%
39	5.586	5.570	5.618	VV	1677	16912	0.44%	0.080%
40	5.627	5.618	5.640	VV	227	1364	0.04%	0.006%
41	5.661	5.640	5.743	VV	163	5089	0.13%	0.024%
42	5.752	5.743	5.791	VV	148	1663	0.04%	0.008%
43	5.813	5.791	5.824	VV	124	1701	0.04%	0.008%
44	5.868	5.824	5.893	VV	156	3825	0.10%	0.018%
45	5.903	5.893	5.935	VV	160	2342	0.06%	0.011%
46	5.946	5.935	5.962	PV	102	1033	0.03%	0.005%
47	5.978	5.962	5.991	VV	122	1263	0.03%	0.006%
48	5.999	5.991	6.014	VV	122	1113	0.03%	0.005%
49	6.024	6.014	6.058	VV	98	2056	0.05%	0.010%
50	6.080	6.058	6.094	VV	269	4013	0.11%	0.019%
51	6.116	6.094	6.243	VV	1062	20426	0.54%	0.096%
52	6.258	6.243	6.273	VV	304	3260	0.09%	0.015%
53	6.286	6.273	6.321	VV	137	3020	0.08%	0.014%
54	6.396	6.321	6.431	VV	753	17061	0.45%	0.081%
55	6.442	6.431	6.481	VV	186	3266	0.09%	0.015%
56	6.491	6.481	6.500	VV	117	694	0.02%	0.003%
57	6.542	6.500	6.589	VV	194	4989	0.13%	0.024%
58	6.614	6.589	6.668	VV	797	10801	0.28%	0.051%
59	6.674	6.668	6.741	VV	144	2715	0.07%	0.013%
60	6.815	6.741	6.849	VV	118	4108	0.11%	0.019%
61	6.940	6.849	6.972	VV	335	7014	0.18%	0.033%
62	6.984	6.972	7.021	VV	154	2903	0.08%	0.014%
63	7.062	7.021	7.071	VV	141	2966	0.08%	0.014%
64	7.083	7.071	7.105	VV	158	1851	0.05%	0.009%
65	7.213	7.124	7.235	VV	219	6747	0.18%	0.032%
66	7.245	7.235	7.268	VV	118	1685	0.04%	0.008%
67	7.336	7.268	7.361	VV	207	6850	0.18%	0.032%
68	7.374	7.361	7.394	VV	137	2699	0.07%	0.013%
69	7.407	7.394	7.445	VV	189	3699	0.10%	0.017%
70	7.469	7.445	7.504	VV	285	4538	0.12%	0.021%
71	7.522	7.504	7.549	VV	169	2334	0.06%	0.011%
72	7.556	7.549	7.569	VV	100	824	0.02%	0.004%
73	7.607	7.569	7.644	PV	136	2950	0.08%	0.014%
74	7.675	7.644	7.714	VV	127	3504	0.09%	0.017%
75	7.721	7.714	7.744	VV	146	1863	0.05%	0.009%
76	7.880	7.863	7.910	VV	589	10324	0.27%	0.049%
77	7.924	7.910	7.944	VV	558	6859	0.18%	0.032%
78	7.952	7.944	7.978	VV	238	3285	0.09%	0.016%
79	7.985	7.978	8.024	VV	138	2789	0.07%	0.013%
80	8.036	8.024	8.048	VV	125	1465	0.04%	0.007%
81	8.060	8.048	8.132	VV	162	4654	0.12%	0.022%
82	8.173	8.132	8.185	VV	134	2978	0.08%	0.014%
83	8.211	8.185	8.221	VV	258	3929	0.10%	0.019%
84	8.231	8.221	8.268	VV	294	6553	0.17%	0.031%
85	8.306	8.268	8.322	VV	463	10404	0.27%	0.049%
86	8.339	8.322	8.424	VV	702	11458	0.30%	0.054%
87	8.465	8.424	8.525	VV	228	4720	0.12%	0.022%
88	8.531	8.525	8.539	VV	77	525	0.01%	0.002%
89	8.568	8.539	8.611	VV	175	3676	0.10%	0.017%

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90	8.811	8.791	8.829	VV	400	5857	0.15%	0.028%
91	8.839	8.829	8.861	VV	292	3713	0.10%	0.018%
92	8.868	8.861	8.878	VV	176	1490	0.04%	0.007%
93	8.882	8.878	8.924	VV	182	2855	0.07%	0.013%
94	8.963	8.924	8.997	VV	217	5133	0.13%	0.024%
95	9.059	8.997	9.109	VV	907	20202	0.53%	0.095%
96	9.164	9.109	9.211	VV	315	7418	0.19%	0.035%
97	9.226	9.211	9.245	VV	141	2049	0.05%	0.010%
98	9.263	9.245	9.281	VV	140	1703	0.04%	0.008%
99	9.291	9.281	9.337	VV	87	2260	0.06%	0.011%
100	9.351	9.337	9.378	VV	119	1888	0.05%	0.009%
101	9.386	9.378	9.401	VV	86	1039	0.03%	0.005%
102	9.407	9.401	9.415	VV	82	540	0.01%	0.003%
103	9.442	9.415	9.511	PV	152	4230	0.11%	0.020%
104	9.545	9.511	9.581	VV	242	4980	0.13%	0.024%
105	9.617	9.581	9.626	VV	176	3099	0.08%	0.015%
106	9.631	9.626	9.648	VV	123	1192	0.03%	0.006%
107	9.658	9.648	9.701	VV	142	2709	0.07%	0.013%
108	9.719	9.701	9.741	VV	138	1995	0.05%	0.009%
109	9.814	9.741	9.923	VV	29455	320082	8.39%	1.512%
110	9.943	9.923	9.964	VV	482	6593	0.17%	0.031%
111	9.977	9.964	10.011	VV	177	3196	0.08%	0.015%
112	10.043	10.011	10.070	VV	204	3988	0.10%	0.019%
113	10.130	10.070	10.141	VV	129	3348	0.09%	0.016%
114	10.158	10.141	10.181	VV	136	1840	0.05%	0.009%
115	10.193	10.181	10.244	VV	96	2690	0.07%	0.013%
116	10.254	10.244	10.261	PV	54	561	0.01%	0.003%
117	10.288	10.261	10.354	VV	6115	69466	1.82%	0.328%
118	10.381	10.354	10.401	VV	285	5850	0.15%	0.028%
119	10.424	10.401	10.509	VV	214	7242	0.19%	0.034%
120	10.548	10.509	10.609	VV	282	8357	0.22%	0.039%
121	10.632	10.609	10.651	VV	259	4254	0.11%	0.020%
122	10.678	10.651	10.715	VV	765	12014	0.31%	0.057%
123	10.783	10.715	10.809	PV	477	10962	0.29%	0.052%
124	10.820	10.809	10.846	VV	139	2002	0.05%	0.009%
125	10.870	10.846	10.891	VV	174	2791	0.07%	0.013%
126	10.903	10.891	10.928	VV	195	2789	0.07%	0.013%
127	10.940	10.928	10.955	VV	248	2409	0.06%	0.011%
128	10.967	10.955	10.986	VV	128	1738	0.05%	0.008%
129	11.021	10.986	11.037	VV	154	2971	0.08%	0.014%
130	11.061	11.037	11.085	VV	138	2334	0.06%	0.011%
131	11.167	11.085	11.188	VV	144	5773	0.15%	0.027%
132	11.192	11.188	11.201	VV	147	708	0.02%	0.003%
133	11.215	11.201	11.241	VV	107	1560	0.04%	0.007%
134	11.251	11.241	11.292	VV	113	1996	0.05%	0.009%
135	11.317	11.292	11.345	VV	785	10466	0.27%	0.049%
136	11.387	11.345	11.415	VV	759	11036	0.29%	0.052%
137	11.435	11.415	11.445	VV	216	2531	0.07%	0.012%
138	11.465	11.445	11.478	VV	279	4242	0.11%	0.020%
139	11.483	11.478	11.527	VV	296	3071	0.08%	0.015%
140	11.548	11.527	11.565	VV	343	3837	0.10%	0.018%
141	11.580	11.565	11.607	VV	227	3121	0.08%	0.015%

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142	11.628	11.607	11.644	PV	141	1363	0.04%	0.006%
143	11.655	11.644	11.662	VV	96	712	0.02%	0.003%
144	11.712	11.662	11.761	VV	358258	3815716	100.00%	18.022%
145	11.803	11.761	11.825	VV	608	11024	0.29%	0.052%
146	11.840	11.825	11.853	VV	333	4245	0.11%	0.020%
147	11.873	11.853	11.927	VV	1410	18079	0.47%	0.085%
148	11.940	11.927	11.954	VV	123	1216	0.03%	0.006%
149	11.995	11.954	12.024	PV	139	3313	0.09%	0.016%
150	12.056	12.024	12.095	VV	456	8144	0.21%	0.038%
151	12.105	12.095	12.129	VV	107	1667	0.04%	0.008%
152	12.148	12.129	12.188	PV	230	3896	0.10%	0.018%
153	12.202	12.188	12.212	VV	123	1003	0.03%	0.005%
154	12.305	12.212	12.374	VV	13847	214626	5.62%	1.014%
155	12.389	12.374	12.411	VV	1410	26261	0.69%	0.124%
156	12.419	12.411	12.468	VV	1123	27698	0.73%	0.131%
157	12.496	12.468	12.601	VV	830	43443	1.14%	0.205%
158	12.635	12.601	12.671	VV	740	17741	0.46%	0.084%
159	12.695	12.671	12.718	VV	1630	23341	0.61%	0.110%
160	12.781	12.718	12.807	VV	1753	40313	1.06%	0.190%
161	12.817	12.807	12.883	VV	398	9359	0.25%	0.044%
162	12.910	12.883	12.938	VV	207	4486	0.12%	0.021%
163	13.056	12.938	13.071	VV	518	12761	0.33%	0.060%
164	13.097	13.071	13.114	VV	8531	104635	2.74%	0.494%
165	13.145	13.114	13.178	VV	295168	3484396	91.32%	16.457%
166	13.189	13.178	13.213	VV	385	5712	0.15%	0.027%
167	13.231	13.213	13.248	VV	364	5044	0.13%	0.024%
168	13.261	13.248	13.283	VV	359	4291	0.11%	0.020%
169	13.308	13.283	13.334	VV	830	12822	0.34%	0.061%
170	13.357	13.334	13.375	VV	385	6840	0.18%	0.032%
171	13.383	13.375	13.411	VV	387	5162	0.14%	0.024%
172	13.433	13.411	13.455	VV	356	7218	0.19%	0.034%
173	13.484	13.455	13.520	VV	7056	92150	2.42%	0.435%
174	13.541	13.520	13.632	VV	1169	34567	0.91%	0.163%
175	13.650	13.632	13.684	VV	522	14009	0.37%	0.066%
176	13.715	13.684	13.778	VV	15942	208744	5.47%	0.986%
177	13.847	13.778	13.870	VV	3342	59410	1.56%	0.281%
178	13.895	13.870	13.963	VV	3646	66642	1.75%	0.315%
179	14.024	13.963	14.093	VV	2655	70416	1.85%	0.333%
180	14.130	14.093	14.178	VV	811	33262	0.87%	0.157%
181	14.200	14.178	14.236	VV	740	23214	0.61%	0.110%
182	14.283	14.236	14.313	VV	6727	116690	3.06%	0.551%
183	14.332	14.313	14.361	VV	1618	35022	0.92%	0.165%
184	14.393	14.361	14.415	VV	1165	32571	0.85%	0.154%
185	14.458	14.415	14.495	VV	4928	93393	2.45%	0.441%
186	14.561	14.495	14.598	VV	3498	104510	2.74%	0.494%
187	14.625	14.598	14.651	VV	5257	84290	2.21%	0.398%
188	14.675	14.651	14.698	VV	1402	37240	0.98%	0.176%
189	14.749	14.698	14.789	VV	1691	77939	2.04%	0.368%
190	14.837	14.789	14.873	VV	14778	241807	6.34%	1.142%
191	14.914	14.873	14.925	VV	1832	51500	1.35%	0.243%
192	14.958	14.925	14.975	VV	3159	69570	1.82%	0.329%
193	14.999	14.975	15.026	VV	9448	149541	3.92%	0.706%
194	15.046	15.026	15.075	VV	2487	62438	1.64%	0.295%

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195	15.099	15.075	15.116	VV	1951	46380	1.22%	0.219%
196	15.140	15.116	15.176	VV	2550	74522	1.95%	0.352%
197	15.199	15.176	15.218	VV	2092	49340	1.29%	0.233%
198	15.262	15.218	15.286	VV	2190	83502	2.19%	0.394%
199	15.376	15.286	15.468	VV	21261	497012	13.03%	2.347%
200	15.520	15.468	15.561	VV	9731	240742	6.31%	1.137%
201	15.572	15.561	15.587	VV	2681	40122	1.05%	0.189%
202	15.602	15.587	15.633	VV	2800	69393	1.82%	0.328%
203	15.653	15.633	15.691	VV	2421	77899	2.04%	0.368%
204	15.702	15.691	15.722	VV	2320	41609	1.09%	0.197%
205	15.732	15.722	15.751	VV	2218	37641	0.99%	0.178%
206	15.786	15.751	15.801	VV	2389	67553	1.77%	0.319%
207	15.840	15.801	15.871	VV	2846	104164	2.73%	0.492%
208	15.889	15.871	15.958	VV	2677	122356	3.21%	0.578%
209	16.022	15.958	16.056	VV	13257	271302	7.11%	1.281%
210	16.078	16.056	16.107	VV	2388	66534	1.74%	0.314%
211	16.119	16.107	16.145	VV	2094	45995	1.21%	0.217%
212	16.175	16.145	16.211	VV	2136	81583	2.14%	0.385%
213	16.244	16.211	16.284	VV	2042	86546	2.27%	0.409%
214	16.335	16.284	16.362	VV	2348	98095	2.57%	0.463%
215	16.392	16.362	16.441	VV	3958	120890	3.17%	0.571%
216	16.505	16.441	16.541	VV	11598	240147	6.29%	1.134%
217	16.588	16.563	16.611	VV	1933	50490	1.32%	0.238%
218	16.635	16.611	16.658	VV	1655	44094	1.16%	0.208%
219	16.670	16.658	16.688	VV	1599	28002	0.73%	0.132%
220	16.722	16.688	16.737	VV	1564	44961	1.18%	0.212%
221	16.758	16.737	16.783	VV	1698	42286	1.11%	0.200%
222	16.805	16.783	16.832	VV	1692	46040	1.21%	0.217%
223	16.859	16.832	16.914	VV	1517	66890	1.75%	0.316%
224	16.973	16.914	17.003	VV	13995	224940	5.90%	1.062%
225	17.020	17.003	17.088	VV	1281	52833	1.38%	0.250%
226	17.102	17.088	17.168	VV	875	36207	0.95%	0.171%
227	17.179	17.168	17.194	VV	800	12051	0.32%	0.057%
228	17.262	17.194	17.284	VV	1147	44762	1.17%	0.211%
229	17.337	17.284	17.388	VV	1438	55817	1.46%	0.264%
230	17.423	17.388	17.465	VV	12105	181649	4.76%	0.858%
231	17.506	17.490	17.534	VV	620	12753	0.33%	0.060%
232	17.557	17.534	17.612	VV	523	18008	0.47%	0.085%
233	17.640	17.612	17.668	VV	380	9641	0.25%	0.046%
234	17.703	17.668	17.730	VV	1104	20041	0.53%	0.095%
235	17.752	17.730	17.775	VV	542	8963	0.23%	0.042%
236	17.814	17.775	17.835	VV	945	18515	0.49%	0.087%
237	17.860	17.835	17.893	VV	12281	165583	4.34%	0.782%
238	17.952	17.893	18.008	PV	1167	39084	1.02%	0.185%
239	18.021	18.008	18.070	VV	866	19062	0.50%	0.090%
240	18.133	18.070	18.158	VV	1099	29566	0.77%	0.140%
241	18.216	18.158	18.256	VV	7316	147408	3.86%	0.696%
242	18.283	18.256	18.331	VV	11083	165494	4.34%	0.782%
243	18.384	18.331	18.404	VV	539	12481	0.33%	0.059%
244	18.421	18.404	18.441	VV	441	7894	0.21%	0.037%
245	18.453	18.441	18.465	VV	334	3766	0.10%	0.018%
246	18.499	18.465	18.514	VV	466	10181	0.27%	0.048%

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247	18.548	18.514	18.571	VV	1429	28598	0.75%	0.135%
248	18.594	18.571	18.621	VV	911	17048	0.45%	0.081%
249	18.693	18.621	18.761	VV	9327	172600	4.52%	0.815%
250	18.815	18.761	18.855	VV	1542	55692	1.46%	0.263%
251	18.865	18.855	18.891	VV	1006	19375	0.51%	0.092%
252	18.903	18.891	18.918	VV	751	11080	0.29%	0.052%
253	18.950	18.918	18.974	VV	1331	35003	0.92%	0.165%
254	18.995	18.974	19.014	VV	1454	27469	0.72%	0.130%
255	19.050	19.014	19.073	VV	9247	166850	4.37%	0.788%
256	19.094	19.073	19.155	VV	8434	183751	4.82%	0.868%
257	19.186	19.155	19.201	VV	1369	33946	0.89%	0.160%
258	19.235	19.201	19.308	VV	3197	119087	3.12%	0.562%
259	19.338	19.308	19.367	VV	2483	66422	1.74%	0.314%
260	19.387	19.367	19.434	VV	1915	62184	1.63%	0.294%
261	19.478	19.434	19.506	VV	6538	135128	3.54%	0.638%
262	19.551	19.506	19.561	VV	1990	59941	1.57%	0.283%
263	19.583	19.561	19.604	VV	2209	52538	1.38%	0.248%
264	19.659	19.604	19.689	VV	2585	109748	2.88%	0.518%
265	19.724	19.689	19.744	VV	2433	71217	1.87%	0.336%
266	19.766	19.744	19.800	VV	2645	77452	2.03%	0.366%
267	19.854	19.800	19.885	VV	6000	172546	4.52%	0.815%
268	19.913	19.885	19.934	VV	2585	71287	1.87%	0.337%
269	20.005	19.934	20.025	VV	3111	146176	3.83%	0.690%
270	20.037	20.025	20.058	VV	2973	57370	1.50%	0.271%
271	20.080	20.058	20.112	VV	3446	103740	2.72%	0.490%
272	20.132	20.112	20.165	VV	3244	96845	2.54%	0.457%
273	20.221	20.165	20.250	VV	6120	199348	5.22%	0.942%
274	20.287	20.250	20.307	VV	3603	116110	3.04%	0.548%
275	20.384	20.307	20.421	VV	4057	256765	6.73%	1.213%
276	20.462	20.421	20.478	VV	3868	127200	3.33%	0.601%
277	20.492	20.478	20.526	VV	3854	109324	2.87%	0.516%
278	20.586	20.526	20.627	VV	5115	249400	6.54%	1.178%
279	20.766	20.627	20.831	VV	4062	470683	12.34%	2.223%
280	20.837	20.831	20.858	VV	3716	58517	1.53%	0.276%
281	20.889	20.858	20.928	VV	3671	152043	3.98%	0.718%
282	20.937	20.928	20.945	VV	3506	36695	0.96%	0.173%
283	20.993	20.945	21.041	VV	4615	221083	5.79%	1.044%
284	21.050	21.041	21.069	VV	3526	57361	1.50%	0.271%
285	21.151	21.069	21.163	VV	3524	195295	5.12%	0.922%
286	21.194	21.163	21.233	VV	3449	141833	3.72%	0.670%
287	21.248	21.233	21.258	VV	3336	49669	1.30%	0.235%
288	21.265	21.258	21.273	VV	3306	29516	0.77%	0.139%
289	21.282	21.273	21.312	VV	3250	75867	1.99%	0.358%
290	21.319	21.312	21.338	VV	3267	51100	1.34%	0.241%
291	21.348	21.338	21.405	VV	3294	126789	3.32%	0.599%
292	21.448	21.405	21.501	VV	3625	190609	5.00%	0.900%
293	21.510	21.501	21.522	VV	3157	39068	1.02%	0.185%
294	21.530	21.522	21.558	VV	3110	64956	1.70%	0.307%
295	21.569	21.558	21.578	VV	3056	36346	0.95%	0.172%
296	21.595	21.578	21.686	VV	3150	197158	5.17%	0.931%
297	21.692	21.686	21.759	VV	3060	131513	3.45%	0.621%
298	21.763	21.759	21.824	VV	2972	111780	2.93%	0.528%
299	21.837	21.824	21.878	VV	2868	92003	2.41%	0.435%

rteres

300	21.887	21.878	21.915	VV	2800	60838	1.59%	0.287%
301	21.969	21.915	22.025	VV	3312	195588	5.13%	0.924%
302	22.033	22.025	22.096	VV	2863	118590	3.11%	0.560%
303	22.106	22.096	22.110	VV	2776	23277	0.61%	0.110%
304	22.127	22.110	22.201	VBA	2869	156577	4.10%	0.740%

Sum of corrected areas: 21172997

Aliphatic EPH 040925.M Tue May 06 04:13:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050225AL\
Data File : FE053630.D
Signal(s) : FID1B.ch
Acq On : 02 May 2025 19:24
Operator : YP\AJ
Sample : Q1939-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GB2

Integration File: autoint1.e
Quant Time: May 03 00:28:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 29 06:49:03 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			
9) S ortho-Terphenyl (SURR)	11.865	3877342	21.498 ug/ml
Spiked Amount 50.000		Recovery = 43.00%	
12) S 1-chlorooctadecane (S...	13.311	3020419	22.344 ug/ml
Spiked Amount 50.000		Recovery = 44.69%	
Target Compounds			

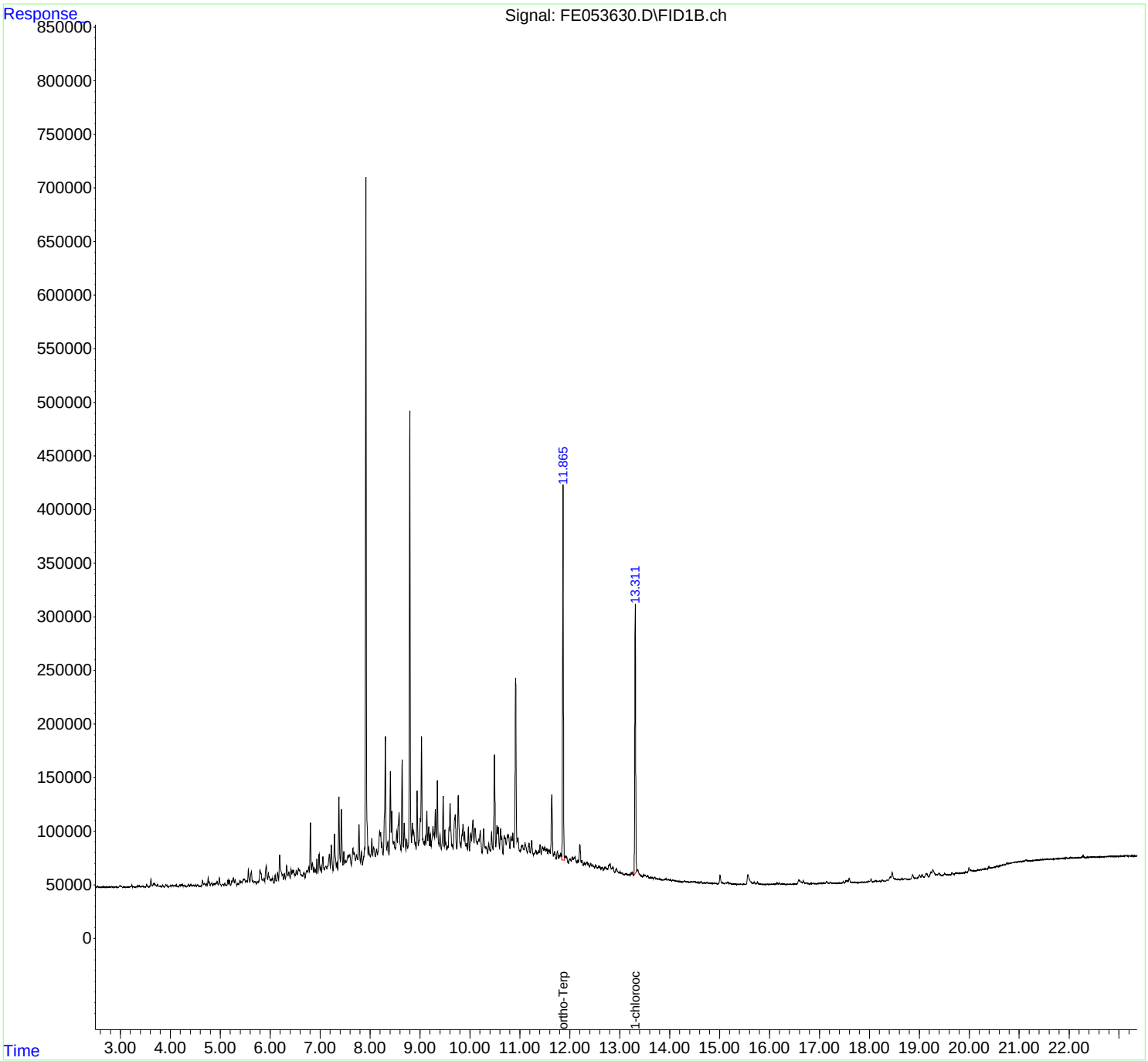
(f)=RT Delta > 1/2 Window (m)=manual int.

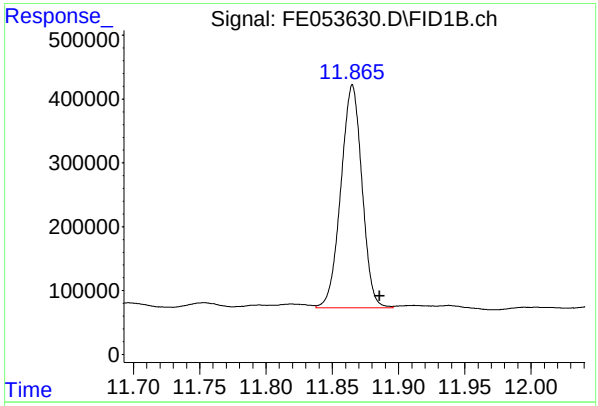
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050225AL\
Data File : FE053630.D
Signal(s) : FID1B.ch
Acq On : 02 May 2025 19:24
Operator : YP\AJ
Sample : Q1939-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GB2

Integration File: autoint1.e
Quant Time: May 03 00:28:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 29 06:49:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

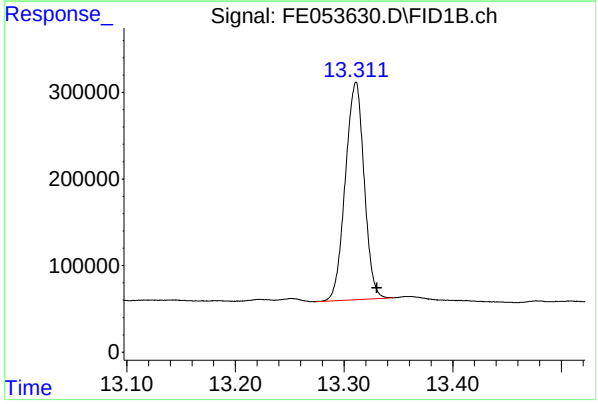




#9 ortho-Terphenyl (SURR)

R.T.: 11.865 min
Delta R.T.: -0.021 min
Response: 3877342
Conc: 21.50 ug/ml

Instrument :
FID_E
ClientSampleId :
GB2



#12 1-chlorooctadecane (SURR)

R.T.: 13.311 min
Delta R.T.: -0.020 min
Response: 3020419
Conc: 22.34 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050225AL\
Data File : FE053630.D
Signal(s) : FID1B.ch
Acq On : 02 May 2025 19:24
Sample : Q1939-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.825	2.804	2.861	PV	646	9863	0.21%	0.006%
2	2.901	2.861	2.944	PV	566	9300	0.20%	0.006%
3	2.990	2.944	3.005	PV	1770	24973	0.53%	0.015%
4	3.017	3.005	3.042	VV	1094	13844	0.29%	0.009%
5	3.079	3.042	3.100	VV	278	4831	0.10%	0.003%
6	3.135	3.100	3.154	PV	481	6682	0.14%	0.004%
7	3.171	3.154	3.183	VV	392	4710	0.10%	0.003%
8	3.227	3.183	3.246	VV	1819	28943	0.62%	0.018%
9	3.256	3.246	3.303	VV	583	9181	0.20%	0.006%
10	3.354	3.303	3.371	PV	2228	32225	0.69%	0.020%
11	3.384	3.371	3.404	VV	1037	13451	0.29%	0.008%
12	3.429	3.404	3.444	VV	878	14803	0.31%	0.009%
13	3.455	3.444	3.481	VV	891	12332	0.26%	0.008%
14	3.494	3.481	3.508	VV	529	5855	0.12%	0.004%
15	3.526	3.508	3.570	VV	2917	43798	0.93%	0.027%
16	3.611	3.570	3.644	VV	7846	109966	2.34%	0.068%
17	3.662	3.644	3.673	VV	3412	42781	0.91%	0.026%
18	3.685	3.673	3.728	VV	3493	75692	1.61%	0.047%
19	3.745	3.728	3.776	VV	2344	41351	0.88%	0.026%
20	3.793	3.776	3.828	VV	1153	25229	0.54%	0.016%
21	3.847	3.828	3.872	VV	2150	26380	0.56%	0.016%
22	3.909	3.872	3.960	VV	2081	55924	1.19%	0.035%
23	4.009	3.960	4.023	VV	2049	37995	0.81%	0.024%
24	4.044	4.023	4.060	VV	1788	31357	0.67%	0.019%
25	4.076	4.060	4.096	VV	1749	31046	0.66%	0.019%
26	4.115	4.096	4.141	VV	1845	34451	0.73%	0.021%
27	4.211	4.141	4.224	VV	2281	60970	1.30%	0.038%
28	4.241	4.224	4.261	VV	2832	42016	0.89%	0.026%
29	4.278	4.261	4.298	VV	1436	26383	0.56%	0.016%
30	4.308	4.298	4.327	VV	1010	13269	0.28%	0.008%
31	4.363	4.327	4.392	VV	2285	51594	1.10%	0.032%

rteres

32	4.411	4.392	4.436	VV	2856	46965	1.00%	0.029%
33	4.468	4.436	4.492	VV	1332	40384	0.86%	0.025%
34	4.509	4.492	4.525	VV	1787	24753	0.53%	0.015%
35	4.543	4.525	4.568	VV	1860	33462	0.71%	0.021%
36	4.580	4.568	4.592	VV	794	10515	0.22%	0.007%
37	4.646	4.592	4.668	VV	6014	105773	2.25%	0.065%
38	4.683	4.668	4.710	VV	3491	64289	1.37%	0.040%
39	4.725	4.710	4.739	VV	2888	39677	0.84%	0.025%
40	4.758	4.739	4.772	VV	8784	101653	2.16%	0.063%
41	4.780	4.772	4.798	VV	4988	53121	1.13%	0.033%
42	4.833	4.798	4.851	VV	3446	87761	1.87%	0.054%
43	4.871	4.851	4.880	VV	2821	42100	0.90%	0.026%
44	4.891	4.880	4.902	VV	3053	35479	0.75%	0.022%
45	4.938	4.902	4.959	VV	5344	118876	2.53%	0.074%
46	4.982	4.959	5.022	VV	8516	142020	3.02%	0.088%
47	5.055	5.022	5.073	VV	2712	59832	1.27%	0.037%
48	5.090	5.073	5.124	VV	3321	64336	1.37%	0.040%
49	5.153	5.124	5.168	VV	6358	91047	1.94%	0.056%
50	5.185	5.168	5.208	VV	6350	92200	1.96%	0.057%
51	5.232	5.208	5.241	VV	5678	74458	1.58%	0.046%
52	5.260	5.241	5.281	VV	8447	150039	3.19%	0.093%
53	5.296	5.281	5.332	VV	6837	128018	2.72%	0.079%
54	5.355	5.332	5.371	VV	2867	56176	1.20%	0.035%
55	5.393	5.371	5.407	VV	5807	89268	1.90%	0.055%
56	5.418	5.407	5.429	VV	4851	58731	1.25%	0.036%
57	5.462	5.429	5.506	VV	6988	270327	5.75%	0.167%
58	5.525	5.506	5.543	VV	5345	111485	2.37%	0.069%
59	5.563	5.543	5.593	VV	16347	269585	5.74%	0.167%
60	5.623	5.593	5.646	VV	14337	295652	6.29%	0.183%
61	5.657	5.646	5.674	VV	5805	83281	1.77%	0.052%
62	5.692	5.674	5.720	VV	5217	116384	2.48%	0.072%
63	5.743	5.720	5.756	VV	5020	91358	1.94%	0.057%
64	5.796	5.756	5.857	VV	15404	534324	11.37%	0.331%
65	5.878	5.857	5.891	VV	7942	132266	2.81%	0.082%
66	5.922	5.891	5.948	VV	19847	433154	9.22%	0.268%
67	5.964	5.948	6.016	VV	12715	343369	7.31%	0.212%
68	6.028	6.016	6.038	VV	7403	89750	1.91%	0.056%
69	6.051	6.038	6.076	VV	8157	132275	2.81%	0.082%
70	6.099	6.076	6.118	VV	11019	173795	3.70%	0.108%
71	6.149	6.118	6.168	VV	13447	266906	5.68%	0.165%
72	6.190	6.168	6.267	VV	29199	885245	18.84%	0.548%
73	6.285	6.267	6.304	VV	12207	210106	4.47%	0.130%
74	6.331	6.304	6.356	VV	19399	411181	8.75%	0.254%
75	6.373	6.356	6.400	VV	13820	294508	6.27%	0.182%
76	6.418	6.400	6.430	VV	16323	221271	4.71%	0.137%
77	6.442	6.430	6.453	VV	14837	187037	3.98%	0.116%
78	6.465	6.453	6.506	VV	15236	405588	8.63%	0.251%
79	6.523	6.506	6.544	VV	14774	282335	6.01%	0.175%

rteres

80	6.568	6.544	6.581	VV	16802	326023	6.94%	0.202%
81	6.590	6.581	6.654	VV	15615	513327	10.92%	0.318%
82	6.671	6.654	6.701	VV	12640	318074	6.77%	0.197%
83	6.734	6.701	6.750	VV	15066	380194	8.09%	0.235%
84	6.774	6.750	6.785	VV	18300	329355	7.01%	0.204%
85	6.807	6.785	6.829	VV	59615	869338	18.50%	0.538%
86	6.845	6.829	6.868	VV	22077	427356	9.09%	0.264%
87	6.881	6.868	6.895	VV	17804	252472	5.37%	0.156%
88	6.906	6.895	6.919	VV	15555	212340	4.52%	0.131%
89	6.936	6.919	6.956	VV	25724	404975	8.62%	0.251%
90	6.979	6.956	7.003	VV	30180	573832	12.21%	0.355%
91	7.016	7.003	7.030	VV	18594	263093	5.60%	0.163%
92	7.056	7.030	7.086	VV	27800	675362	14.37%	0.418%
93	7.116	7.086	7.135	VV	18917	519457	11.05%	0.321%
94	7.186	7.135	7.205	VV	30372	931251	19.81%	0.576%
95	7.226	7.205	7.260	VV	38912	841699	17.91%	0.521%
96	7.288	7.260	7.326	VV	48916	1123685	23.91%	0.695%
97	7.337	7.326	7.352	VV	22099	306637	6.52%	0.190%
98	7.377	7.352	7.407	VV	83490	1377380	29.31%	0.852%
99	7.426	7.407	7.458	VV	71134	1244564	26.48%	0.770%
100	7.476	7.458	7.493	VV	32462	539787	11.49%	0.334%
101	7.504	7.493	7.516	VV	23890	318684	6.78%	0.197%
102	7.558	7.516	7.570	VV	29097	840084	17.88%	0.520%
103	7.595	7.570	7.625	VV	29628	867374	18.46%	0.537%
104	7.657	7.625	7.673	VV	35590	812629	17.29%	0.503%
105	7.685	7.673	7.710	VV	31320	631437	13.44%	0.391%
106	7.731	7.710	7.754	VV	29688	711215	15.13%	0.440%
107	7.780	7.754	7.808	VV	57612	1178240	25.07%	0.729%
108	7.828	7.808	7.849	VV	32315	650586	13.84%	0.403%
109	7.975	7.962	8.006	VV	36359	814389	17.33%	0.504%
110	8.036	8.006	8.054	VV	44730	982584	20.91%	0.608%
111	8.072	8.054	8.106	VV	36786	1017626	21.65%	0.630%
112	8.132	8.106	8.150	VV	34493	835105	17.77%	0.517%
113	8.193	8.150	8.204	VV	51241	1298644	27.63%	0.804%
114	8.213	8.204	8.260	VV	50260	1333506	28.37%	0.825%
115	8.307	8.260	8.337	VV	138781	2984995	63.51%	1.847%
116	8.358	8.337	8.379	VV	41412	921179	19.60%	0.570%
117	8.409	8.379	8.425	VV	106863	1754338	37.33%	1.086%
118	8.437	8.425	8.507	VV	69939	2238720	47.63%	1.385%
119	8.536	8.507	8.549	VV	51243	1078692	22.95%	0.668%
120	8.582	8.549	8.620	VV	68127	2137073	45.47%	1.322%
121	8.643	8.620	8.667	VV	117918	1876656	39.93%	1.161%
122	8.686	8.667	8.720	VV	58629	1392541	29.63%	0.862%
123	8.736	8.720	8.756	VV	43814	837955	17.83%	0.519%
124	8.848	8.832	8.861	VV	58699	883634	18.80%	0.547%
125	8.873	8.861	8.902	VV	51593	1143084	24.32%	0.707%
126	8.910	8.902	8.923	VV	40670	498988	10.62%	0.309%

rteres

127	8.944	8.923	8.969	VV	88625	1568238	33.37%	0.970%
128	9.032	8.969	9.094	VV	139068	4397364	93.57%	2.721%
129	9.109	9.094	9.120	VV	46284	671166	14.28%	0.415%
130	9.138	9.120	9.158	VV	69628	1211689	25.78%	0.750%
131	9.176	9.158	9.194	VV	55480	1021226	21.73%	0.632%
132	9.209	9.194	9.224	VV	48272	770695	16.40%	0.477%
133	9.262	9.224	9.291	VV	55505	1875009	39.90%	1.160%
134	9.308	9.291	9.326	VV	71216	1188542	25.29%	0.735%
135	9.350	9.326	9.385	VV	97453	2037647	43.36%	1.261%
136	9.403	9.385	9.428	VV	48041	1063464	22.63%	0.658%
137	9.466	9.428	9.485	VV	83765	1765571	37.57%	1.093%
138	9.499	9.485	9.538	VV	51893	1292145	27.49%	0.800%
139	9.555	9.538	9.564	VV	36638	558235	11.88%	0.345%
140	9.604	9.564	9.639	VV	76787	2395557	50.97%	1.482%
141	9.647	9.639	9.663	VV	38853	541261	11.52%	0.335%
142	9.705	9.663	9.737	VV	66306	2220742	47.25%	1.374%
143	9.768	9.737	9.822	VV	84208	2603445	55.40%	1.611%
144	9.862	9.822	9.882	VV	57538	1715579	36.50%	1.062%
145	9.894	9.882	9.921	VV	50586	1022406	21.75%	0.633%
146	9.933	9.921	9.951	VV	39592	671629	14.29%	0.416%
147	9.969	9.951	9.992	VV	54276	1055585	22.46%	0.653%
148	10.017	9.992	10.034	VV	48953	1080183	22.98%	0.668%
149	10.060	10.034	10.083	VV	61268	1506775	32.06%	0.932%
150	10.103	10.083	10.151	VV	53925	1848825	39.34%	1.144%
151	10.207	10.151	10.244	VV	51562	2342753	49.85%	1.450%
152	10.276	10.244	10.304	VV	53199	1464912	31.17%	0.907%
153	10.313	10.304	10.356	VV	36873	1061593	22.59%	0.657%
154	10.379	10.356	10.408	VV	39326	1080946	23.00%	0.669%
155	10.435	10.408	10.463	VV	49947	1295665	27.57%	0.802%
156	10.492	10.463	10.520	VV	122629	2388069	50.81%	1.478%
157	10.544	10.520	10.557	VV	56015	1057163	22.49%	0.654%
158	10.569	10.557	10.594	VV	54389	1028668	21.89%	0.637%
159	10.614	10.594	10.663	VV	52694	1724399	36.69%	1.067%
160	10.689	10.663	10.728	VV	46788	1588432	33.80%	0.983%
161	10.772	10.728	10.802	VV	47031	1905636	40.55%	1.179%
162	10.824	10.802	10.841	VV	45878	985695	20.97%	0.610%
163	10.861	10.841	10.881	VV	49020	1020085	21.71%	0.631%
164	10.917	10.881	10.946	VV	194164	3673573	78.17%	2.273%
165	10.963	10.946	11.011	VV	44600	1469919	31.28%	0.910%
166	11.046	11.011	11.082	VV	37380	1494013	31.79%	0.925%
167	11.102	11.082	11.151	VV	39770	1481850	31.53%	0.917%
168	11.184	11.151	11.211	VV	39525	1259141	26.79%	0.779%
169	11.238	11.211	11.278	VV	42014	1347278	28.67%	0.834%
170	11.319	11.278	11.341	VV	32836	1173149	24.96%	0.726%
171	11.375	11.341	11.386	VV	32470	838872	17.85%	0.519%
172	11.407	11.386	11.430	VV	38039	881013	18.75%	0.545%
173	11.450	11.430	11.479	VV	35802	987038	21.00%	0.611%
174	11.497	11.479	11.527	VV	35405	976770	20.78%	0.604%

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175	11.544	11.527	11.559	VV	34183	638920	13.59%	0.395%
176	11.574	11.559	11.586	VV	32785	511342	10.88%	0.316%
177	11.592	11.586	11.609	VV	32642	442240	9.41%	0.274%
178	11.641	11.609	11.672	VV	84797	1910811	40.66%	1.182%
179	11.696	11.672	11.731	VV	31294	988517	21.03%	0.612%
180	11.753	11.731	11.776	VV	31644	762159	16.22%	0.472%
181	11.795	11.776	11.808	VV	27935	513941	10.94%	0.318%
182	11.819	11.808	11.838	VV	29432	512256	10.90%	0.317%
183	11.865	11.838	11.896	VV	370593	4699756	100.00%	2.908%
184	11.911	11.896	11.927	VV	27197	498404	10.60%	0.308%
185	11.937	11.927	11.974	VV	27321	686632	14.61%	0.425%
186	12.003	11.974	12.027	VV	24495	742291	15.79%	0.459%
187	12.051	12.027	12.069	VV	26434	623046	13.26%	0.386%
188	12.105	12.069	12.138	VV	26518	1001455	21.31%	0.620%
189	12.160	12.138	12.175	VV	23632	495518	10.54%	0.307%
190	12.203	12.175	12.230	VV	37894	948127	20.17%	0.587%
191	12.244	12.230	12.271	VV	23024	519860	11.06%	0.322%
192	12.294	12.271	12.315	VV	20761	528534	11.25%	0.327%
193	12.350	12.315	12.397	VV	21719	977642	20.80%	0.605%
194	12.419	12.397	12.435	VV	20481	435940	9.28%	0.270%
195	12.451	12.435	12.500	VV	19047	695991	14.81%	0.431%
196	12.523	12.500	12.552	VV	18573	543016	11.55%	0.336%
197	12.583	12.552	12.624	VV	17893	718686	15.29%	0.445%
198	12.653	12.624	12.681	VV	16709	527238	11.22%	0.326%
199	12.703	12.681	12.758	VV	16965	727113	15.47%	0.450%
200	12.785	12.758	12.793	VV	18741	362423	7.71%	0.224%
201	12.807	12.793	12.832	VV	19943	418721	8.91%	0.259%
202	12.865	12.832	12.903	VV	17045	633146	13.47%	0.392%
203	12.929	12.903	12.992	VV	15163	698273	14.86%	0.432%
204	13.009	12.992	13.034	VV	12406	297851	6.34%	0.184%
205	13.046	13.034	13.073	VV	11177	247590	5.27%	0.153%
206	13.092	13.073	13.104	VV	10136	181403	3.86%	0.112%
207	13.122	13.104	13.134	VV	10356	187467	3.99%	0.116%
208	13.143	13.134	13.168	VV	10460	199602	4.25%	0.124%
209	13.182	13.168	13.201	VV	9603	187980	4.00%	0.116%
210	13.224	13.201	13.236	VV	11176	218176	4.64%	0.135%
211	13.252	13.236	13.274	VV	12199	238590	5.08%	0.148%
212	13.311	13.274	13.345	VV	262864	3479404	74.03%	2.153%
213	13.359	13.345	13.458	VV	14463	712661	15.16%	0.441%
214	13.478	13.458	13.491	VV	9410	164534	3.50%	0.102%
215	13.508	13.491	13.537	VV	9112	237523	5.05%	0.147%
216	13.557	13.537	13.599	VV	8693	281123	5.98%	0.174%
217	13.619	13.599	13.633	VV	7207	134643	2.86%	0.083%
218	13.646	13.633	13.675	VV	6991	164938	3.51%	0.102%
219	13.700	13.675	13.771	VV	7220	355127	7.56%	0.220%
220	13.784	13.771	13.872	VV	5502	311292	6.62%	0.193%
221	13.923	13.872	13.953	VV	5627	241435	5.14%	0.149%

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222	13.972	13.953	14.003	VV	5127	142938	3.04%	0.088%
223	14.016	14.003	14.041	VV	4656	99975	2.13%	0.062%
224	14.064	14.041	14.132	VV	4516	216943	4.62%	0.134%
225	14.141	14.132	14.171	VV	3633	80924	1.72%	0.050%
226	14.182	14.171	14.253	VV	3378	150820	3.21%	0.093%
227	14.297	14.253	14.335	VV	3569	149698	3.19%	0.093%
228	14.354	14.335	14.415	VV	2819	124921	2.66%	0.077%
229	14.435	14.415	14.458	VV	2976	69441	1.48%	0.043%
230	14.500	14.458	14.524	VV	2931	109769	2.34%	0.068%
231	14.537	14.524	14.602	VV	2434	100016	2.13%	0.062%
232	14.628	14.602	14.674	VV	3305	94107	2.00%	0.058%
233	14.687	14.674	14.715	VV	1822	41447	0.88%	0.026%
234	14.759	14.715	14.784	VV	1955	71315	1.52%	0.044%
235	14.796	14.784	14.821	VV	1550	31011	0.66%	0.019%
236	14.839	14.821	14.864	VV	1375	34055	0.72%	0.021%
237	14.878	14.864	14.901	VV	1333	27041	0.58%	0.017%
238	14.917	14.901	14.966	VV	1345	41412	0.88%	0.026%
239	15.008	14.966	15.103	VV	8969	219165	4.66%	0.136%
240	15.126	15.103	15.144	VV	1813	37495	0.80%	0.023%
241	15.168	15.144	15.194	VV	2077	47376	1.01%	0.029%
242	15.216	15.194	15.271	VV	1213	37430	0.80%	0.023%
243	15.281	15.271	15.291	VV	673	6994	0.15%	0.004%
244	15.307	15.291	15.351	VV	601	15628	0.33%	0.010%
245	15.368	15.351	15.381	VV	406	5838	0.12%	0.004%
246	15.419	15.381	15.474	VV	440	19162	0.41%	0.012%
247	15.492	15.474	15.531	VV	401	10516	0.22%	0.007%
248	15.565	15.531	15.669	VV	9320	318252	6.77%	0.197%
249	15.691	15.669	15.729	VV	2265	50670	1.08%	0.031%
250	15.758	15.729	15.794	VV	2034	41053	0.87%	0.025%
251	15.814	15.794	15.858	VV	481	13076	0.28%	0.008%
252	15.885	15.858	15.921	VV	232	6167	0.13%	0.004%
253	15.953	15.921	15.994	VV	310	8858	0.19%	0.005%
254	16.014	15.994	16.060	VV	310	8639	0.18%	0.005%
255	16.090	16.060	16.127	VV	438	15107	0.32%	0.009%
256	16.152	16.127	16.172	VV	1352	20780	0.44%	0.013%
257	16.193	16.172	16.230	VV	1419	21566	0.46%	0.013%
258	16.256	16.230	16.307	VV	565	12022	0.26%	0.007%
259	16.324	16.307	16.344	VV	105	1644	0.03%	0.001%
260	16.397	16.344	16.417	PV	157	5201	0.11%	0.003%
261	16.438	16.417	16.457	VV	142	1868	0.04%	0.001%
262	16.493	16.457	16.524	PV	232	5794	0.12%	0.004%
263	16.531	16.524	16.541	VV	164	1265	0.03%	0.001%
264	16.588	16.541	16.657	VV	3820	143562	3.05%	0.089%
265	16.678	16.657	16.730	VV	2881	66930	1.42%	0.041%
266	16.751	16.730	16.794	VV	1069	22179	0.47%	0.014%
267	16.840	16.794	16.858	VV	274	6374	0.14%	0.004%
268	16.868	16.858	16.884	VV	190	2226	0.05%	0.001%
269	16.901	16.884	16.914	VV	155	2005	0.04%	0.001%

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270	16.918	16.914	16.937	VV	120	633	0.01%	0.000%
271	16.969	16.937	16.980	VV	146	1948	0.04%	0.001%
272	17.006	16.980	17.044	VV	432	9767	0.21%	0.006%
273	17.071	17.044	17.095	VV	741	15132	0.32%	0.009%
274	17.109	17.095	17.121	VV	525	7548	0.16%	0.005%
275	17.145	17.121	17.175	VV	1982	33758	0.72%	0.021%
276	17.192	17.175	17.203	VV	491	7144	0.15%	0.004%
277	17.223	17.203	17.254	VV	1320	20737	0.44%	0.013%
278	17.268	17.254	17.290	VV	262	3542	0.08%	0.002%
279	17.307	17.290	17.331	VV	166	2732	0.06%	0.002%
280	17.377	17.331	17.414	VV	296	6214	0.13%	0.004%
281	17.477	17.414	17.500	PV	1384	21332	0.45%	0.013%
282	17.535	17.500	17.571	VV	1910	58359	1.24%	0.036%
283	17.596	17.571	17.658	VV	4534	88701	1.89%	0.055%
284	17.682	17.658	17.734	VV	483	14925	0.32%	0.009%
285	17.751	17.734	17.781	VV	231	4231	0.09%	0.003%
286	17.802	17.781	17.834	VV	299	4429	0.09%	0.003%
287	17.860	17.834	17.897	PV	186	2615	0.06%	0.002%
288	17.918	17.897	17.940	PV	167	2310	0.05%	0.001%
289	17.994	17.940	18.007	PV	749	15305	0.33%	0.009%
290	18.034	18.007	18.067	VV	2889	44665	0.95%	0.028%
291	18.126	18.067	18.151	VV	1120	22725	0.48%	0.014%
292	18.160	18.151	18.191	VV	426	6334	0.13%	0.004%
293	18.207	18.191	18.221	VV	249	2295	0.05%	0.001%
294	18.260	18.221	18.304	PV	829	14794	0.31%	0.009%
295	18.351	18.304	18.374	VV	1128	17436	0.37%	0.011%
296	18.415	18.374	18.424	VV	3318	60996	1.30%	0.038%
297	18.457	18.424	18.553	VV	7344	216434	4.61%	0.134%
298	18.579	18.553	18.618	VV	1079	29585	0.63%	0.018%
299	18.647	18.618	18.672	VV	1327	24347	0.52%	0.015%
300	18.714	18.672	18.801	VV	987	37424	0.80%	0.023%
301	18.867	18.801	18.924	PV	4096	98857	2.10%	0.061%
302	18.934	18.924	18.951	VV	540	7588	0.16%	0.005%
303	19.004	18.951	19.034	VV	3301	76463	1.63%	0.047%
304	19.057	19.034	19.094	VV	3208	61776	1.31%	0.038%
305	19.138	19.094	19.194	VV	3563	116471	2.48%	0.072%
306	19.230	19.194	19.245	VV	4482	84771	1.80%	0.052%
307	19.272	19.245	19.341	VV	6569	222297	4.73%	0.138%
308	19.346	19.341	19.366	VV	1776	23663	0.50%	0.015%
309	19.391	19.366	19.474	VV	2739	76470	1.63%	0.047%
310	19.506	19.474	19.541	VV	1768	40483	0.86%	0.025%
311	19.567	19.541	19.604	VV	576	14182	0.30%	0.009%
312	19.615	19.604	19.621	VV	106	559	0.01%	0.000%
313	19.654	19.621	19.694	PV	1788	31067	0.66%	0.019%
314	19.738	19.694	19.781	VV	875	31578	0.67%	0.020%
315	19.802	19.781	19.821	VV	623	11558	0.25%	0.007%
316	19.934	19.821	19.963	VV	743	34235	0.73%	0.021%

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317	19.995	19.963	20.018	VV	4429	78535	1.67%	0.049%
318	20.029	20.018	20.101	VV	2105	67065	1.43%	0.042%
319	20.175	20.101	20.191	VV	1157	47731	1.02%	0.030%
320	20.271	20.191	20.301	VV	1434	79154	1.68%	0.049%
321	20.395	20.301	20.448	VV	2756	141701	3.02%	0.088%
322	20.551	20.448	20.584	VV	2625	166814	3.55%	0.103%
323	20.754	20.584	20.791	VV	4085	375969	8.00%	0.233%
324	21.130	20.791	21.202	VV	4725	980896	20.87%	0.607%
325	21.384	21.202	21.403	VV	3353	412405	8.78%	0.255%
326	21.489	21.403	21.504	VV	3162	189193	4.03%	0.117%
327	21.553	21.504	21.612	VV	3130	190951	4.06%	0.118%
328	21.744	21.612	21.756	VV	2369	213612	4.55%	0.132%
329	21.896	21.756	21.921	VV	2027	206175	4.39%	0.128%
330	22.030	21.921	22.088	VV	1755	157442	3.35%	0.097%
331	22.106	22.088	22.118	VV	1091	18727	0.40%	0.012%
332	22.209	22.118	22.221	VV	674	48163	1.02%	0.030%
333	22.281	22.221	22.335	VV	1815	55295	1.18%	0.034%

Sum of corrected areas: 161597332

Aliphatic EPH 041725.M Sat May 03 01:47:15 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050525AL\
Data File : FE053637.D
Signal(s) : FID1B.ch
Acq On : 05 May 2025 11:44
Operator : YP\AJ
Sample : Q1939-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GB3

Integration File: sample.E
Quant Time: May 06 04:17:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 29 06:49:03 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			
9) S ortho-Terphenyl (SURR)	11.867	5741828	31.835 ug/ml
Spiked Amount 50.000		Recovery =	63.67%
12) S 1-chlorooctadecane (S...	13.312	5360543	39.656 ug/ml
Spiked Amount 50.000		Recovery =	79.31%
Target Compounds			

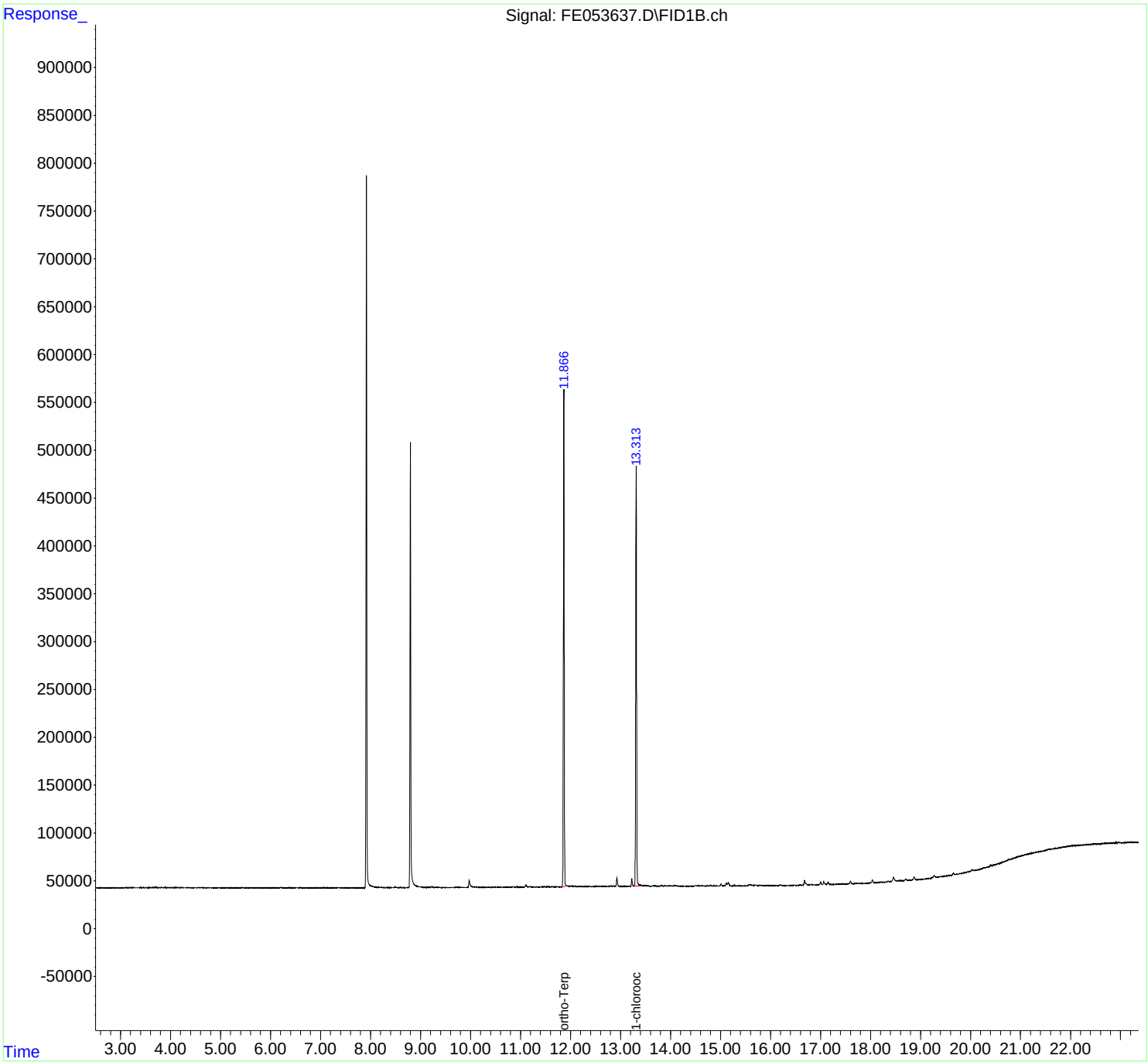
(f)=RT Delta > 1/2 Window (m)=manual int.

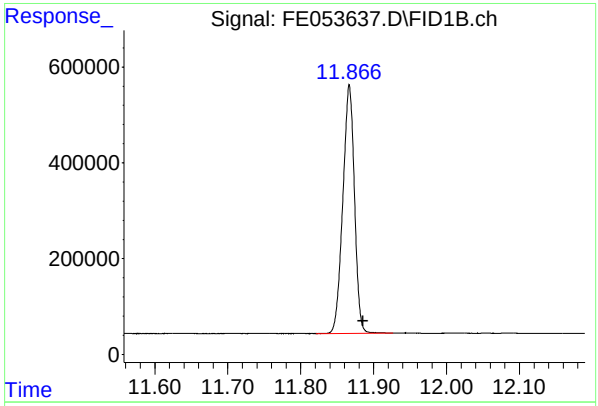
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050525AL\
Data File : FE053637.D
Signal(s) : FID1B.ch
Acq On : 05 May 2025 11:44
Operator : YP\AJ
Sample : Q1939-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
GB3

Integration File: sample.E
Quant Time: May 06 04:17:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 29 06:49:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

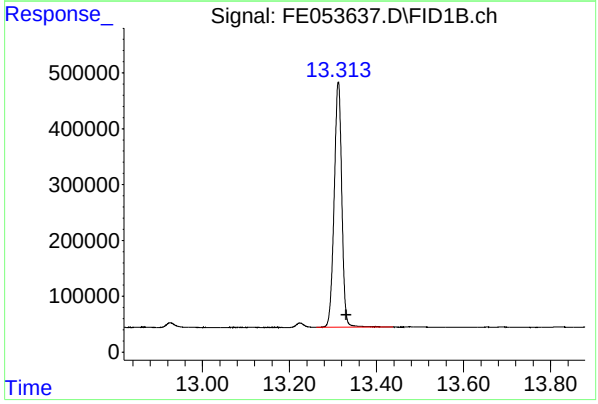




#9 ortho-Terphenyl (SURR)

R.T.: 11.867 min
Delta R.T.: -0.019 min
Response: 5741828
Conc: 31.84 ug/ml

Instrument :
FID_E
ClientSampleId :
GB3



#12 1-chlorooctadecane (SURR)

R.T.: 13.312 min
Delta R.T.: -0.018 min
Response: 5360543
Conc: 39.66 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050525AL\
Data File : FE053637.D
Signal(s) : FID1B.ch
Acq On : 05 May 2025 11:44
Sample : Q1939-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.824	2.805	2.835	BV	25	296	0.01%	0.002%
2	2.847	2.835	2.944	VV	84	2786	0.05%	0.016%
3	2.958	2.944	3.015	VV	93	2536	0.04%	0.015%
4	3.055	3.015	3.076	VV	170	3897	0.07%	0.023%
5	3.093	3.076	3.121	VV	166	3488	0.06%	0.020%
6	3.132	3.121	3.169	VV	194	4043	0.07%	0.023%
7	3.211	3.169	3.248	VV	231	6848	0.12%	0.040%
8	3.273	3.248	3.315	VV	172	4522	0.08%	0.026%
9	3.328	3.315	3.351	VV	160	2416	0.04%	0.014%
10	3.368	3.351	3.381	VV	197	2753	0.05%	0.016%
11	3.403	3.381	3.448	VV	576	10453	0.18%	0.060%
12	3.472	3.448	3.504	VV	181	4683	0.08%	0.027%
13	3.515	3.504	3.549	VV	163	4369	0.08%	0.025%
14	3.562	3.549	3.595	VV	261	5411	0.09%	0.031%
15	3.611	3.595	3.644	VV	328	6695	0.12%	0.039%
16	3.663	3.644	3.678	VV	316	4767	0.08%	0.028%
17	3.697	3.678	3.741	VV	1164	18582	0.32%	0.107%
18	3.753	3.741	3.790	VV	244	5496	0.10%	0.032%
19	3.816	3.790	3.868	VV	649	15203	0.26%	0.088%
20	3.899	3.868	3.975	VV	725	17692	0.31%	0.102%
21	3.985	3.975	3.992	VV	240	1851	0.03%	0.011%
22	4.046	3.992	4.072	VV	281	10400	0.18%	0.060%
23	4.106	4.072	4.120	VV	237	6093	0.11%	0.035%
24	4.130	4.120	4.151	VV	268	3645	0.06%	0.021%
25	4.155	4.151	4.167	VV	229	1629	0.03%	0.009%
26	4.197	4.167	4.225	VV	308	7542	0.13%	0.044%
27	4.241	4.225	4.261	VV	250	3970	0.07%	0.023%
28	4.271	4.261	4.302	VV	175	3751	0.06%	0.022%
29	4.323	4.302	4.358	VV	242	5494	0.09%	0.032%
30	4.368	4.358	4.394	VV	204	2895	0.05%	0.017%
31	4.407	4.394	4.428	VV	169	2397	0.04%	0.014%
32	4.436	4.428	4.454	VV	173	2210	0.04%	0.013%
33	4.474	4.454	4.581	VV	427	13020	0.23%	0.075%
34	4.589	4.581	4.635	VV	205	5108	0.09%	0.030%
35	4.647	4.635	4.745	VV	303	10137	0.18%	0.059%
36	4.759	4.745	4.774	VV	153	1913	0.03%	0.011%

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37	4.784	4.774	4.835	VV	173	4094	0.07%	0.024%
38	4.841	4.835	4.888	VV	135	3211	0.06%	0.019%
39	4.898	4.888	4.914	VV	147	1880	0.03%	0.011%
40	4.932	4.914	4.947	VV	177	2416	0.04%	0.014%
41	4.979	4.947	5.018	VV	188	4259	0.07%	0.025%
42	5.032	5.018	5.045	VV	90	1157	0.02%	0.007%
43	5.048	5.045	5.081	VV	127	1199	0.02%	0.007%
44	5.137	5.081	5.165	VV	176	4566	0.08%	0.026%
45	5.180	5.165	5.221	VV	143	2704	0.05%	0.016%
46	5.231	5.221	5.281	VV	101	2021	0.03%	0.012%
47	5.303	5.281	5.326	VV	140	1894	0.03%	0.011%
48	5.350	5.326	5.373	VV	84	1493	0.03%	0.009%
49	5.385	5.373	5.400	VV	138	1104	0.02%	0.006%
50	5.434	5.400	5.520	VV	311	9162	0.16%	0.053%
51	5.538	5.520	5.552	VV	97	1348	0.02%	0.008%
52	5.572	5.552	5.595	VV	108	1906	0.03%	0.011%
53	5.616	5.595	5.650	PV	188	3346	0.06%	0.019%
54	5.665	5.650	5.679	VV	143	1239	0.02%	0.007%
55	5.698	5.679	5.708	VV	130	1529	0.03%	0.009%
56	5.727	5.708	5.851	VV	148	8067	0.14%	0.047%
57	5.859	5.851	5.903	VV	108	2490	0.04%	0.014%
58	5.914	5.903	5.958	VV	87	2137	0.04%	0.012%
59	5.995	5.958	6.011	VV	98	1632	0.03%	0.009%
60	6.022	6.011	6.040	VV	116	1063	0.02%	0.006%
61	6.067	6.040	6.126	VV	129	3313	0.06%	0.019%
62	6.152	6.126	6.167	PV	100	967	0.02%	0.006%
63	6.195	6.167	6.284	VV	624	16285	0.28%	0.094%
64	6.299	6.284	6.329	VV	187	2680	0.05%	0.015%
65	6.364	6.329	6.406	VV	287	6409	0.11%	0.037%
66	6.431	6.406	6.481	VV	136	4140	0.07%	0.024%
67	6.499	6.481	6.575	VV	261	10946	0.19%	0.063%
68	6.590	6.575	6.641	VV	301	7184	0.12%	0.042%
69	6.649	6.641	6.717	VV	226	4942	0.09%	0.029%
70	6.729	6.717	6.751	VV	180	2238	0.04%	0.013%
71	6.775	6.751	6.825	VV	211	6305	0.11%	0.036%
72	6.832	6.825	6.875	VV	112	2984	0.05%	0.017%
73	6.882	6.875	6.921	VV	99	2039	0.04%	0.012%
74	6.939	6.921	6.951	PV	117	1401	0.02%	0.008%
75	6.960	6.951	6.978	VV	150	1454	0.03%	0.008%
76	6.985	6.978	6.998	VV	111	857	0.01%	0.005%
77	7.011	6.998	7.035	VV	133	2032	0.04%	0.012%
78	7.067	7.035	7.101	VV	308	5945	0.10%	0.034%
79	7.105	7.101	7.115	VV	114	716	0.01%	0.004%
80	7.118	7.115	7.148	VV	175	1967	0.03%	0.011%
81	7.158	7.148	7.183	VV	126	1969	0.03%	0.011%
82	7.203	7.183	7.215	VV	182	2405	0.04%	0.014%
83	7.223	7.215	7.235	VV	137	1258	0.02%	0.007%
84	7.244	7.235	7.276	VV	139	2160	0.04%	0.012%
85	7.294	7.276	7.321	VV	215	4308	0.07%	0.025%
86	7.338	7.321	7.361	VV	278	5008	0.09%	0.029%
87	7.376	7.361	7.412	VV	233	4667	0.08%	0.027%
88	7.435	7.412	7.459	VV	213	3705	0.06%	0.021%
89	7.476	7.459	7.528	VV	190	4440	0.08%	0.026%

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90	7.542	7.528	7.581	VV	124	3151	0.05%	0.018%
91	7.614	7.581	7.625	VV	224	4096	0.07%	0.024%
92	7.627	7.625	7.662	VV	169	2450	0.04%	0.014%
93	7.673	7.662	7.711	VV	172	2854	0.05%	0.016%
94	7.722	7.711	7.751	VV	173	2322	0.04%	0.013%
95	7.760	7.751	7.812	VV	143	2268	0.04%	0.013%
96	7.848	7.812	7.861	PV	135	1373	0.02%	0.008%
97	8.209	8.201	8.235	VV	477	8597	0.15%	0.050%
98	8.244	8.235	8.274	VV	408	7410	0.13%	0.043%
99	8.302	8.274	8.351	VV	367	13400	0.23%	0.077%
100	8.410	8.351	8.430	VV	430	14052	0.24%	0.081%
101	8.491	8.430	8.570	VV	1153	39121	0.68%	0.226%
102	8.599	8.570	8.624	VV	464	10481	0.18%	0.061%
103	8.645	8.624	8.668	VV	356	5869	0.10%	0.034%
104	8.673	8.668	8.711	VV	159	2556	0.04%	0.015%
105	9.030	9.016	9.069	VV	781	18851	0.33%	0.109%
106	9.084	9.069	9.098	VV	453	7468	0.13%	0.043%
107	9.102	9.098	9.131	VV	427	7918	0.14%	0.046%
108	9.142	9.131	9.168	VV	471	8224	0.14%	0.048%
109	9.180	9.168	9.191	VV	427	4975	0.09%	0.029%
110	9.226	9.191	9.291	VV	1146	31623	0.55%	0.183%
111	9.320	9.291	9.349	VV	651	14522	0.25%	0.084%
112	9.357	9.349	9.371	VV	299	3617	0.06%	0.021%
113	9.381	9.371	9.435	VV	261	6059	0.10%	0.035%
114	9.468	9.435	9.490	VV	204	4646	0.08%	0.027%
115	9.503	9.490	9.558	VV	226	5290	0.09%	0.031%
116	9.565	9.558	9.581	VV	131	1506	0.03%	0.009%
117	9.607	9.581	9.665	VV	211	5509	0.10%	0.032%
118	9.704	9.665	9.732	VV	436	8697	0.15%	0.050%
119	9.778	9.732	9.861	VV	246	11459	0.20%	0.066%
120	9.879	9.861	9.914	VV	140	2903	0.05%	0.017%
121	9.933	9.914	9.948	VV	228	3040	0.05%	0.018%
122	9.975	9.948	10.075	VV	7736	158644	2.74%	0.917%
123	10.102	10.075	10.191	VV	778	25171	0.44%	0.146%
124	10.208	10.191	10.235	VV	226	4005	0.07%	0.023%
125	10.278	10.235	10.361	VV	239	6749	0.12%	0.039%
126	10.377	10.361	10.385	PV	78	581	0.01%	0.003%
127	10.448	10.385	10.478	PV	539	11599	0.20%	0.067%
128	10.492	10.478	10.526	VV	436	8062	0.14%	0.047%
129	10.552	10.526	10.598	VV	325	11380	0.20%	0.066%
130	10.612	10.598	10.622	VV	224	2611	0.05%	0.015%
131	10.631	10.622	10.665	VV	198	3304	0.06%	0.019%
132	10.692	10.665	10.738	VV	233	7693	0.13%	0.044%
133	10.770	10.738	10.810	VV	411	11794	0.20%	0.068%
134	10.819	10.810	10.828	VV	275	2614	0.05%	0.015%
135	10.846	10.828	10.884	VV	637	13174	0.23%	0.076%
136	10.921	10.884	11.015	VV	564	22515	0.39%	0.130%
137	11.105	11.015	11.160	VV	2555	56737	0.98%	0.328%
138	11.184	11.160	11.212	VV	745	15301	0.26%	0.088%
139	11.221	11.212	11.268	VV	381	10020	0.17%	0.058%
140	11.275	11.268	11.306	VV	244	5233	0.09%	0.030%
141	11.316	11.306	11.345	VV	232	4362	0.08%	0.025%

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142	11.351	11.345	11.385	VV	204	3703	0.06%	0.021%
143	11.410	11.385	11.437	VV	325	7393	0.13%	0.043%
144	11.481	11.437	11.505	VV	599	13881	0.24%	0.080%
145	11.514	11.505	11.527	VV	285	3304	0.06%	0.019%
146	11.550	11.527	11.577	VV	693	12668	0.22%	0.073%
147	11.594	11.577	11.608	VV	244	4056	0.07%	0.023%
148	11.632	11.608	11.685	VV	637	16362	0.28%	0.095%
149	11.705	11.685	11.724	VV	428	7268	0.13%	0.042%
150	11.745	11.724	11.781	VV	444	9835	0.17%	0.057%
151	11.798	11.781	11.821	VV	319	5784	0.10%	0.033%
152	11.867	11.821	11.927	VV	516310	5783801	100.00%	33.437%
153	11.942	11.927	11.987	VV	1409	35915	0.62%	0.208%
154	12.018	11.987	12.041	VV	1221	31471	0.54%	0.182%
155	12.055	12.041	12.069	VV	905	13362	0.23%	0.077%
156	12.087	12.069	12.132	VV	1002	23036	0.40%	0.133%
157	12.160	12.132	12.175	VV	450	8893	0.15%	0.051%
158	12.222	12.175	12.267	VV	751	23737	0.41%	0.137%
159	12.307	12.267	12.353	VV	608	21967	0.38%	0.127%
160	12.384	12.353	12.420	VV	663	17407	0.30%	0.101%
161	12.430	12.420	12.459	VV	419	8109	0.14%	0.047%
162	12.545	12.459	12.565	VV	552	26171	0.45%	0.151%
163	12.574	12.565	12.607	VV	559	11634	0.20%	0.067%
164	12.673	12.607	12.688	VV	638	22941	0.40%	0.133%
165	12.701	12.688	12.751	VV	586	15124	0.26%	0.087%
166	12.808	12.751	12.828	VV	1065	28999	0.50%	0.168%
167	12.864	12.828	12.901	VV	1061	30026	0.52%	0.174%
168	12.926	12.901	13.046	VV	9059	153024	2.65%	0.885%
169	13.068	13.046	13.101	VV	537	13511	0.23%	0.078%
170	13.117	13.101	13.157	VV	668	15203	0.26%	0.088%
171	13.169	13.157	13.197	VV	460	8900	0.15%	0.051%
172	13.224	13.197	13.265	VV	8414	117403	2.03%	0.679%
173	13.312	13.265	13.456	VV	440362	5443070	94.11%	31.467%
174	13.477	13.456	13.536	VV	1551	48966	0.85%	0.283%
175	13.552	13.536	13.603	VV	747	23648	0.41%	0.137%
176	13.654	13.603	13.668	VV	906	25102	0.43%	0.145%
177	13.689	13.668	13.767	VV	963	32601	0.56%	0.188%
178	13.822	13.767	13.858	VV	1209	35544	0.61%	0.205%
179	13.885	13.858	13.911	VV	1148	21489	0.37%	0.124%
180	13.927	13.911	13.948	VV	724	12209	0.21%	0.071%
181	13.968	13.948	13.995	VV	915	18256	0.32%	0.106%
182	14.018	13.995	14.037	VV	808	15665	0.27%	0.091%
183	14.064	14.037	14.085	VV	1124	21793	0.38%	0.126%
184	14.095	14.085	14.118	VV	979	14529	0.25%	0.084%
185	14.139	14.118	14.160	VV	690	12776	0.22%	0.074%
186	14.178	14.160	14.214	VV	371	9456	0.16%	0.055%
187	14.224	14.214	14.245	VV	274	4358	0.08%	0.025%
188	14.279	14.245	14.389	VV	340	17303	0.30%	0.100%
189	14.406	14.389	14.421	VV	164	2448	0.04%	0.014%
190	14.504	14.421	14.550	VV	1115	30621	0.53%	0.177%
191	14.571	14.550	14.603	VV	734	14507	0.25%	0.084%
192	14.629	14.603	14.706	VV	754	21456	0.37%	0.124%
193	14.741	14.706	14.771	VV	658	15905	0.27%	0.092%
194	14.798	14.771	14.838	VV	1460	27508	0.48%	0.159%

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195	14.876	14.838	14.936	VV	674	22857	0.40%	0.132%
196	14.959	14.936	14.970	VV	237	3892	0.07%	0.023%
197	15.010	14.970	15.050	VV	2383	41315	0.71%	0.239%
198	15.070	15.050	15.085	VV	309	5275	0.09%	0.030%
199	15.115	15.085	15.134	VV	3337	52509	0.91%	0.304%
200	15.155	15.134	15.248	VV	3889	90777	1.57%	0.525%
201	15.275	15.248	15.365	VV	746	22240	0.38%	0.129%
202	15.370	15.365	15.404	VV	168	2920	0.05%	0.017%
203	15.431	15.404	15.448	VV	294	5477	0.09%	0.032%
204	15.470	15.448	15.488	VV	358	5694	0.10%	0.033%
205	15.500	15.488	15.534	VV	83	1778	0.03%	0.010%
206	15.572	15.534	15.662	PV	1455	70718	1.22%	0.409%
207	15.694	15.662	15.734	VV	1260	34792	0.60%	0.201%
208	15.746	15.734	15.765	VV	478	8187	0.14%	0.047%
209	15.789	15.765	15.812	VV	958	18049	0.31%	0.104%
210	15.829	15.812	15.863	VV	590	12275	0.21%	0.071%
211	15.874	15.863	15.886	VV	328	3877	0.07%	0.022%
212	15.902	15.886	15.911	VV	293	4034	0.07%	0.023%
213	15.950	15.911	16.006	VV	514	19448	0.34%	0.112%
214	16.021	16.006	16.061	VV	303	6878	0.12%	0.040%
215	16.076	16.061	16.095	VV	230	2781	0.05%	0.016%
216	16.117	16.095	16.141	VV	287	4323	0.07%	0.025%
217	16.193	16.141	16.274	VV	1182	24975	0.43%	0.144%
218	16.295	16.274	16.306	PV	132	1615	0.03%	0.009%
219	16.326	16.306	16.346	VV	155	1879	0.03%	0.011%
220	16.388	16.346	16.410	PV	211	4182	0.07%	0.024%
221	16.428	16.410	16.454	VV	170	2899	0.05%	0.017%
222	16.481	16.454	16.512	VV	203	4832	0.08%	0.028%
223	16.538	16.512	16.557	PV	159	2717	0.05%	0.016%
224	16.589	16.557	16.608	VV	319	4910	0.08%	0.028%
225	16.679	16.608	16.741	VV	5095	111369	1.93%	0.644%
226	16.759	16.741	16.783	VV	452	7187	0.12%	0.042%
227	16.811	16.783	16.858	VV	773	16523	0.29%	0.096%
228	16.873	16.858	16.901	VV	212	3479	0.06%	0.020%
229	17.002	16.901	17.037	VV	2468	44700	0.77%	0.258%
230	17.064	17.037	17.121	VV	2816	55381	0.96%	0.320%
231	17.147	17.121	17.246	VV	2061	50779	0.88%	0.294%
232	17.315	17.246	17.350	PV	210	6625	0.11%	0.038%
233	17.374	17.350	17.395	VV	123	2233	0.04%	0.013%
234	17.446	17.395	17.464	VV	332	8129	0.14%	0.047%
235	17.475	17.464	17.501	VV	206	2589	0.04%	0.015%
236	17.598	17.501	17.638	PV	2856	52047	0.90%	0.301%
237	17.719	17.638	17.755	VV	341	13625	0.24%	0.079%
238	17.778	17.755	17.805	VV	161	2714	0.05%	0.016%
239	17.861	17.805	17.905	VV	151	4941	0.09%	0.029%
240	17.925	17.905	17.958	PV	135	2197	0.04%	0.013%
241	18.037	17.958	18.096	PV	3291	60671	1.05%	0.351%
242	18.174	18.096	18.188	VV	329	8790	0.15%	0.051%
243	18.260	18.188	18.284	VV	186	8122	0.14%	0.047%
244	18.352	18.284	18.378	PV	667	13544	0.23%	0.078%
245	18.460	18.378	18.532	VV	4561	124194	2.15%	0.718%
246	18.541	18.532	18.555	VV	466	5515	0.10%	0.032%

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247	18.611	18.555	18.650	VV	348	16587	0.29%	0.096%
248	18.659	18.650	18.665	VV	151	1130	0.02%	0.007%
249	18.702	18.665	18.757	VV	1557	38334	0.66%	0.222%
250	18.782	18.757	18.793	VV	135	2557	0.04%	0.015%
251	18.871	18.793	18.915	PV	3071	59081	1.02%	0.342%
252	19.056	18.915	19.071	VV	121	4033	0.07%	0.023%
253	19.272	19.071	19.328	PV	2413	54944	0.95%	0.318%
254	19.525	19.328	19.541	VV	176	9082	0.16%	0.053%
255	19.657	19.541	19.708	PV	1683	26264	0.45%	0.152%
256	20.034	19.708	20.061	PV	1135	-12846	-0.22%	-0.074%
257	20.400	20.061	20.431	PV	1279	5096	0.09%	0.029%
258	22.061	20.431	22.082	VV	1296	2572117	44.47%	14.870%
259	22.094	22.082	22.108	VV	833	12878	0.22%	0.074%
260	22.159	22.108	22.171	VV	251	13533	0.23%	0.078%

Sum of corrected areas: 17297838

Aliphatic EPH 041725.M Tue May 06 04:46:32 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068749.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 16:33
Operator : YP/AJ
Sample : PB167833BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167833BL

Integration File: sample.E
Quant Time: May 05 11:47:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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			
9) S ortho-Terphenyl (SURR)	11.716	4742359	37.242 ug/ml
Spiked Amount 50.000		Recovery =	74.48%
12) S 1-chlorooctadecane (S...	13.149	3580214	38.541 ug/ml
Spiked Amount 50.000		Recovery =	77.08%
Target Compounds			

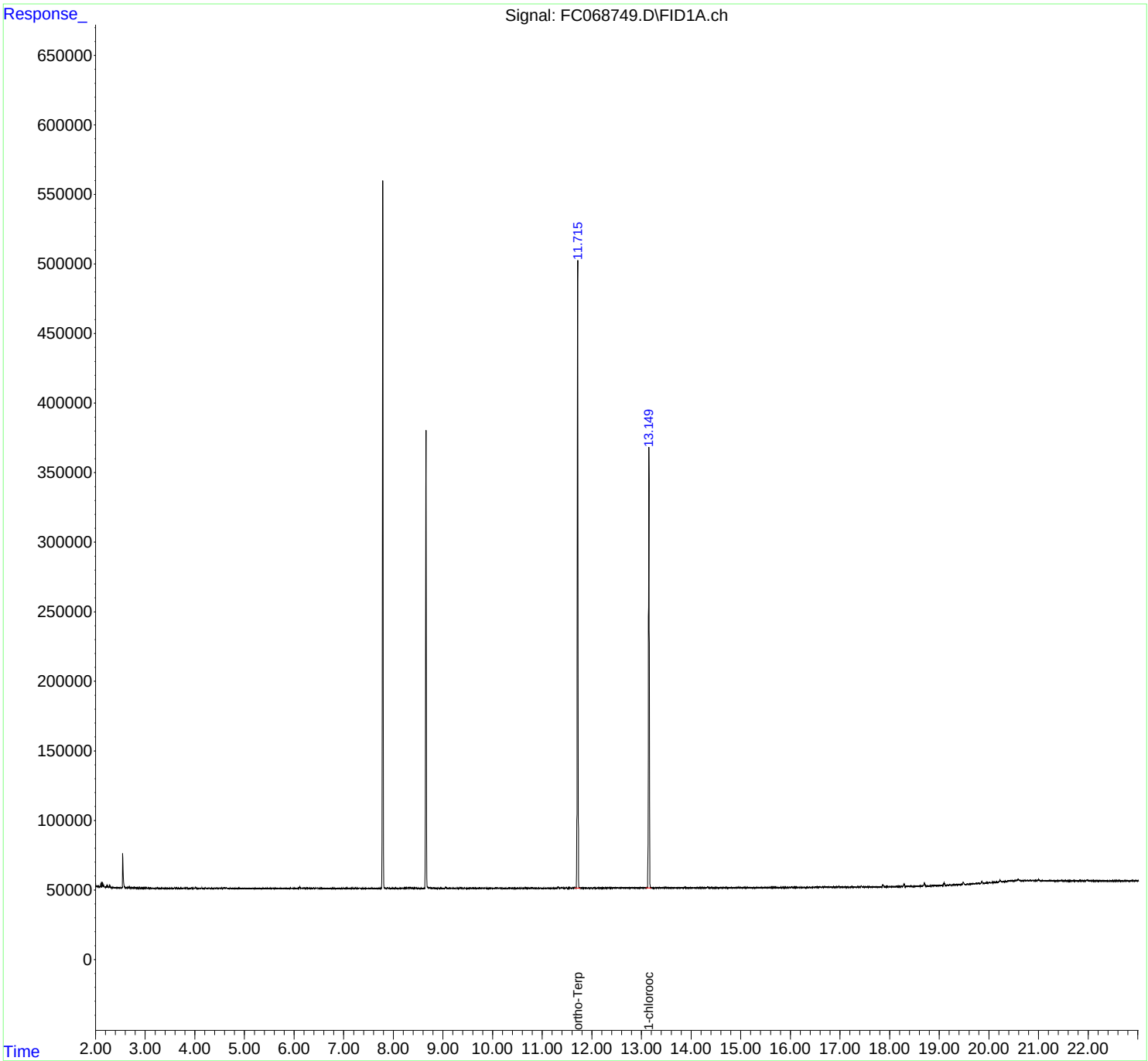
(f)=RT Delta > 1/2 Window (m)=manual int.

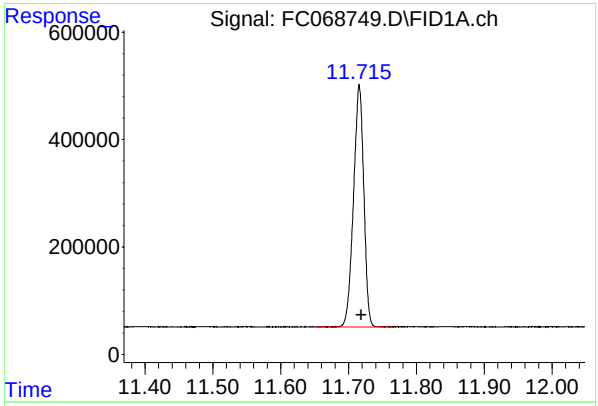
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068749.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 16:33
Operator : YP/AJ
Sample : PB167833BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167833BL

Integration File: sample.E
Quant Time: May 05 11:47:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

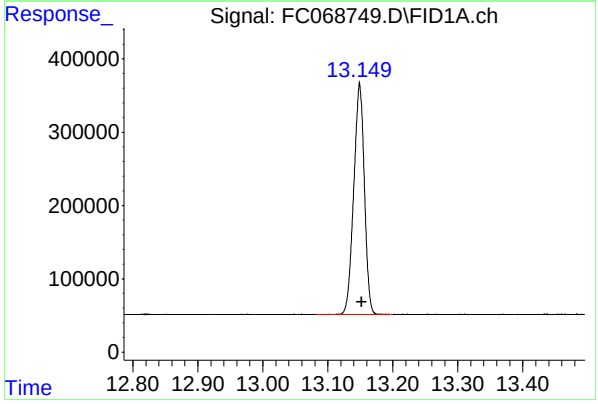




#9 ortho-Terphenyl (SURR)

R.T.: 11.716 min
Delta R.T.: -0.003 min
Response: 4742359
Conc: 37.24 ug/ml

Instrument :
FID_C
ClientSampleId :
PB167833BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.149 min
Delta R.T.: -0.003 min
Response: 3580214
Conc: 38.54 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068749.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 16:33
Sample : PB167833BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	11.716	11.652	11.765	BB	450311	4742359	100.00%	56.982%
2	13.149	13.082	13.200	BB	315366	3580214	75.49%	43.018%
			Sum of corrected areas:			8322574		

Aliphatic EPH 040925.M Mon May 05 11:58:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068750.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 17:11
Operator : YP/AJ
Sample : PB167833BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167833BS

Integration File: sample.E
Quant Time: May 05 11:47:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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			
9)	S ortho-Terphenyl (SURR)	11.716	4746439	37.274 ug/ml
Spiked Amount	50.000		Recovery =	74.55%
12)	S 1-chlorooctadecane (S...	13.149	3617879	38.946 ug/ml
Spiked Amount	50.000		Recovery =	77.89%
	Target Compounds			
1)	T n-Nonane (C9)	3.451	4183534	39.721 ug/ml
2)	T n-Decane (C10)	4.525	4448055	42.218 ug/ml
3)	T A~Naphthalene (C11.7)	6.119	5332662	45.789 ug/ml
4)	T n-Dodecane (C12)	6.547	4612969	43.865 ug/ml
5)	T A~2-methylnaphthalene...	7.177	4930620	42.690 ug/ml
6)	T n-Tetradecane (C14)	8.346	4713974	45.854 ug/ml
7)	T n-Hexadecane (C16)	9.948	4660594	45.763 ug/ml
8)	T n-Octadecane (C18)	11.392	4602652	45.737 ug/ml
10)	T n-Eicosane (C20)	12.704	4697131	47.754 ug/ml
11)	T n-Heneicosane (C21)	13.316	4504471	46.220 ug/ml
13)	T n-Docosane (C22)	13.904	4486199	46.443 ug/ml
14)	T n-Tetracosane (C24)	15.002	9584037	100.689 ug/ml
15)	T n-Hexacosane (C26)	16.033	4462728	47.778 ug/ml
16)	T n-Octacosane (C28)	16.982	4556968	49.772 ug/ml
17)	T n-Tricontane (C30)	17.872	4581526	49.836 ug/ml
18)	T n-Dotriacontane (C32)	18.704	4590126	50.040 ug/ml
19)	T n-Tetratriacontane (C34)	19.489	4662560	52.189 ug/ml
20)	T n-Hexatriacontane (C36)	20.230	4484131	50.058 ug/ml
21)	T n-Octatriacontane (C38)	21.006	4416902	49.958 ug/ml
22)	T n-Tetracontane (C40)	21.987	4332224	49.059 ug/ml

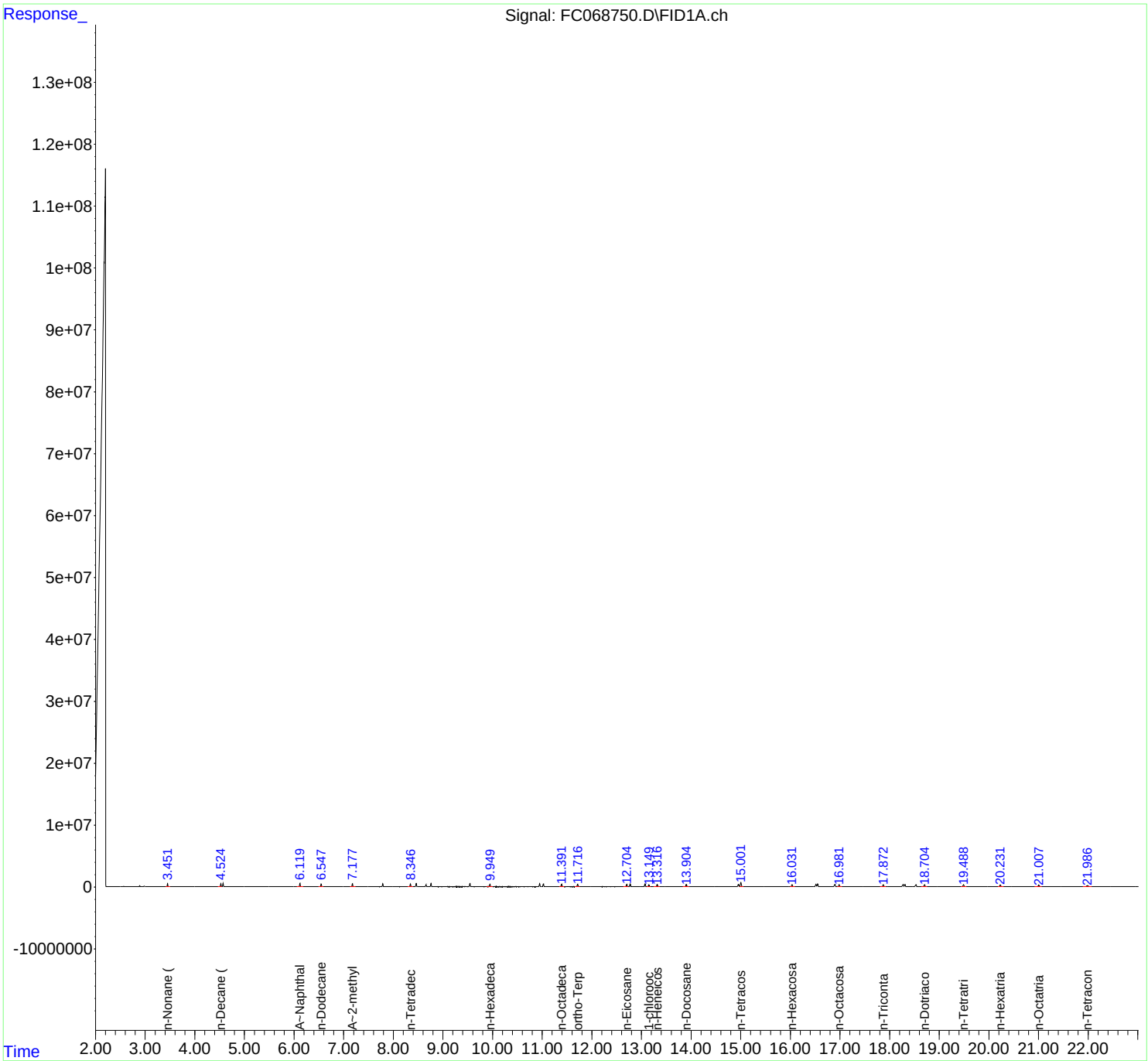
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068750.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 17:11
Operator : YP/AJ
Sample : PB167833BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167833BS

Integration File: sample.E
Quant Time: May 05 11:47:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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\FC050225AL\
Data File : FC068750.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 17:11
Sample : PB167833BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	2.260	2.252	2.292	VV	28026	457215	4.77%	0.240%
2	2.357	2.340	2.384	VV	16559	271185	2.83%	0.142%
3	2.396	2.384	2.430	VV	13969	189029	1.97%	0.099%
4	2.456	2.430	2.500	VV	26993	323426	3.37%	0.170%
5	2.515	2.500	2.557	VV	6647	106834	1.11%	0.056%
6	2.568	2.557	2.596	VV	62783	551950	5.76%	0.289%
7	2.608	2.596	2.649	VV	10832	115646	1.21%	0.061%
8	2.665	2.649	2.689	VV	15734	128492	1.34%	0.067%
9	2.713	2.689	2.755	VB	29270	249755	2.61%	0.131%
10	2.889	2.844	2.940	BB	171816	1268914	13.24%	0.665%
11	2.979	2.940	3.012	BV	94663	1146788	11.97%	0.601%
12	3.451	3.410	3.504	BB	513949	4183534	43.65%	2.193%
13	4.525	4.465	4.547	BV	500407	4448055	46.41%	2.331%
14	4.569	4.547	4.614	VV	567852	4909217	51.22%	2.573%
15	4.631	4.614	4.655	VV	4852	44805	0.47%	0.023%
16	4.677	4.655	4.710	VB	8534	75167	0.78%	0.039%
17	6.119	6.057	6.187	BB	579885	5332662	55.64%	2.795%
18	6.547	6.494	6.587	BB	474593	4612969	48.13%	2.418%
19	7.017	7.000	7.059	BB	5030	43449	0.45%	0.023%
20	7.083	7.062	7.122	BB	13279	127723	1.33%	0.067%
21	7.177	7.129	7.239	BB	518769	4930620	51.45%	2.584%
22	7.789	7.724	7.840	BB	499620	4714279	49.19%	2.471%
23	8.346	8.290	8.394	BB	458495	4713974	49.19%	2.471%
24	8.463	8.409	8.507	BB	553600	5472540	57.10%	2.868%
25	8.661	8.604	8.709	BB	321187	3188274	33.27%	1.671%
26	8.761	8.709	8.807	BB	558613	5486626	57.25%	2.875%
27	9.545	9.485	9.610	BB	541375	5535555	57.76%	2.901%
28	9.755	9.737	9.797	VB	8357	87038	0.91%	0.046%
29	9.948	9.882	10.000	BB	409386	4660594	48.63%	2.443%
30	10.737	10.704	10.772	BB	11107	146466	1.53%	0.077%
31	10.951	10.865	10.985	BV	507351	5337078	55.69%	2.797%
32	11.026	10.985	11.050	PBA	473925	5219141	54.46%	2.735%
33	11.229	11.210	11.264	VB	3455	36023	0.38%	0.019%
34	11.392	11.344	11.440	BB	403921	4602652	48.02%	2.412%
35	11.716	11.659	11.754	BB	430891	4746439	49.52%	2.488%
36	12.704	12.635	12.736	BV	397958	4697131	49.01%	2.462%

rteres

37	12.774	12.736	12.805	VB	466573	5300681	55.31%	2.778%
38	12.955	12.902	12.979	BB	5401	57536	0.60%	0.030%
39	13.074	13.000	13.102	BV	460895	5211115	54.37%	2.731%
40	13.149	13.102	13.182	VB	302677	3617879	37.75%	1.896%
41	13.316	13.245	13.367	BB	369913	4504471	47.00%	2.361%
42	13.904	13.834	13.957	BB	370609	4486199	46.81%	2.351%
43	14.955	14.887	14.974	BV	394909	5184915	54.10%	2.717%
44	15.002	14.974	15.055	VB	699018	9584037	100.00%	5.023%
45	16.033	15.990	16.090	BB	334132	4462728	46.56%	2.339%
46	16.516	16.437	16.531	BV	358033	5386897	56.21%	2.823%
47	16.551	16.531	16.595	VBA	456892	5361004	55.94%	2.810%
48	16.898	16.819	16.942	BV	382873	5209623	54.36%	2.730%
49	16.982	16.942	17.040	VB	339247	4556968	47.55%	2.388%
50	17.760	17.710	17.792	BB	3748	52916	0.55%	0.028%
51	17.872	17.805	17.929	BB	339361	4581526	47.80%	2.401%
52	18.272	18.190	18.287	BV	322482	3356045	35.02%	1.759%
53	18.533	18.455	18.597	BB	345853	5247455	54.75%	2.750%
54	18.704	18.637	18.757	BB	321437	4590126	47.89%	2.406%
55	19.489	19.440	19.549	BB	322988	4662560	48.65%	2.444%
56	20.230	20.180	20.294	BB	312370	4484131	46.79%	2.350%
57	21.006	20.920	21.065	BB	251143	4416902	46.09%	2.315%
58	21.987	21.892	22.072	BB	174626	4332224	45.20%	2.270%

Sum of corrected areas: 190809185

Aliphatic EPH 040925.M Mon May 05 11:58:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068751.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 17:49
Operator : YP/AJ
Sample : PB167833BSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167833BSD

Integration File: sample.E
Quant Time: May 05 11:47:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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			
9)	S ortho-Terphenyl (SURR)	11.716	4644152	36.471 ug/ml
Spiked Amount	50.000		Recovery =	72.94%
12)	S 1-chlorooctadecane (S...	13.148	3546426	38.177 ug/ml
Spiked Amount	50.000		Recovery =	76.35%
	Target Compounds			
1)	T n-Nonane (C9)	3.451	4118059	39.099 ug/ml
2)	T n-Decane (C10)	4.524	4374445	41.519 ug/ml
3)	T A~Naphthalene (C11.7)	6.119	5243339	45.022 ug/ml
4)	T n-Dodecane (C12)	6.547	4522055	43.000 ug/ml
5)	T A~2-methylnaphthalene...	7.177	4840351	41.909 ug/ml
6)	T n-Tetradecane (C14)	8.346	4608046	44.824 ug/ml
7)	T n-Hexadecane (C16)	9.947	4544897	44.627 ug/ml
8)	T n-Octadecane (C18)	11.392	4489707	44.615 ug/ml
10)	T n-Eicosane (C20)	12.704	4591075	46.676 ug/ml
11)	T n-Heneicosane (C21)	13.316	4406271	45.213 ug/ml
13)	T n-Docosane (C22)	13.903	4396944	45.519 ug/ml
14)	T n-Tetracosane (C24)	15.002	9463793	99.426 ug/ml
15)	T n-Hexacosane (C26)	16.032	4393779	47.040 ug/ml
16)	T n-Octacosane (C28)	16.980	4499166	49.140 ug/ml
17)	T n-Tricontane (C30)	17.871	4534830	49.328 ug/ml
18)	T n-Dotriacontane (C32)	18.704	4545874	49.558 ug/ml
19)	T n-Tetratriacontane (C34)	19.489	4606977	51.567 ug/ml
20)	T n-Hexatriacontane (C36)	20.230	4420385	49.346 ug/ml
21)	T n-Octatriacontane (C38)	21.006	4356609	49.276 ug/ml
22)	T n-Tetracontane (C40)	21.987	4274678	48.408 ug/ml

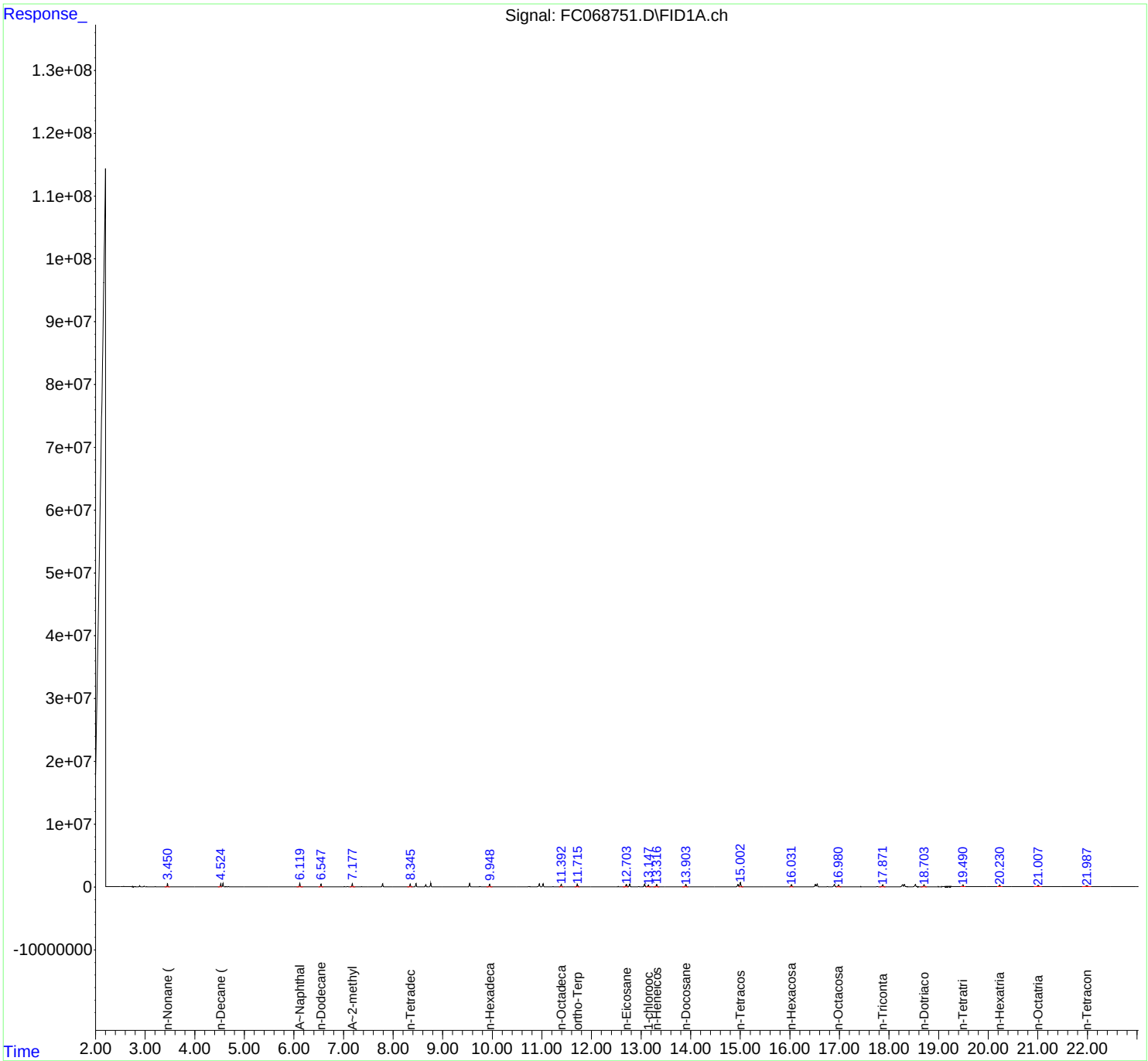
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068751.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 17:49
Operator : YP/AJ
Sample : PB167833BSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167833BSD

Integration File: sample.E
Quant Time: May 05 11:47:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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\FC050225AL\
Data File : FC068751.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 17:49
Sample : PB167833BSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	2.244	2.235	2.252	VV	20468	182804	1.93%	0.097%
2	2.259	2.252	2.292	VV	24033	359797	3.80%	0.192%
3	2.356	2.322	2.385	VV	13376	260607	2.75%	0.139%
4	2.396	2.385	2.428	VV	10931	101570	1.07%	0.054%
5	2.455	2.428	2.502	VB	23870	206524	2.18%	0.110%
6	2.515	2.502	2.555	BV	4102	30567	0.32%	0.016%
7	2.567	2.555	2.596	PV	59430	507167	5.36%	0.270%
8	2.608	2.596	2.642	VV	9338	80646	0.85%	0.043%
9	2.664	2.642	2.687	PV	14964	112040	1.18%	0.060%
10	2.712	2.687	2.755	VB	28270	237292	2.51%	0.126%
11	2.889	2.838	2.922	BB	169221	1247059	13.18%	0.664%
12	2.978	2.935	3.015	BV	94028	1128131	11.92%	0.601%
13	3.451	3.392	3.498	BB	498772	4118059	43.51%	2.193%
14	4.524	4.465	4.547	BV	501346	4374445	46.22%	2.330%
15	4.569	4.547	4.613	VV	551667	4829380	51.03%	2.572%
16	4.630	4.613	4.652	VV	4791	44273	0.47%	0.024%
17	4.677	4.652	4.712	VB	8581	74903	0.79%	0.040%
18	6.119	6.055	6.182	BB	567751	5243339	55.40%	2.793%
19	6.547	6.492	6.593	BB	461495	4522055	47.78%	2.409%
20	7.016	7.000	7.048	BB	5183	44541	0.47%	0.024%
21	7.082	7.062	7.128	BB	13190	124392	1.31%	0.066%
22	7.177	7.128	7.238	BB	501834	4840351	51.15%	2.578%
23	7.789	7.725	7.832	BB	508091	4876480	51.53%	2.597%
24	8.346	8.285	8.388	BB	455465	4608046	48.69%	2.454%
25	8.462	8.407	8.510	BB	548107	5364922	56.69%	2.858%
26	8.660	8.605	8.710	BB	328767	3305632	34.93%	1.761%
27	8.760	8.712	8.805	BB	548286	5379997	56.85%	2.866%
28	9.544	9.475	9.610	BB	531700	5424597	57.32%	2.889%
29	9.755	9.737	9.800	VB	8210	84800	0.90%	0.045%
30	9.947	9.880	10.000	BB	410472	4544897	48.02%	2.421%
31	10.737	10.707	10.773	BB	10832	144963	1.53%	0.077%
32	10.950	10.867	10.987	BV	498797	5239226	55.36%	2.791%
33	11.026	10.987	11.050	PBA	489037	5144166	54.36%	2.740%
34	11.228	11.209	11.270	VB	3379	35183	0.37%	0.019%
35	11.392	11.343	11.427	BB	406601	4489707	47.44%	2.391%
36	11.716	11.658	11.760	BB	425661	4644152	49.07%	2.474%

rteres

37	12.704	12.633	12.737	BV	380737	4591075	48.51%	2.445%
38	12.773	12.737	12.800	VB	465993	5214312	55.10%	2.777%
39	12.955	12.902	12.977	BB	5407	57720	0.61%	0.031%
40	13.074	13.000	13.100	BV	433842	5126631	54.17%	2.731%
41	13.148	13.100	13.195	VB	292148	3546426	37.47%	1.889%
42	13.316	13.247	13.367	BB	387243	4406271	46.56%	2.347%
43	13.903	13.832	13.947	BB	360970	4396944	46.46%	2.342%
44	14.953	14.883	14.973	BV	387973	5148358	54.40%	2.742%
45	15.002	14.973	15.063	VB	697917	9463793	100.00%	5.041%
46	16.032	15.990	16.072	BB	344256	4393779	46.43%	2.340%
47	16.514	16.443	16.530	BV	359103	5328632	56.31%	2.838%
48	16.550	16.530	16.595	VBA	450105	5294837	55.95%	2.820%
49	16.897	16.820	16.942	BV	392886	5155303	54.47%	2.746%
50	16.980	16.942	17.033	VB	334346	4499166	47.54%	2.396%
51	17.760	17.708	17.788	BB	3637	52401	0.55%	0.028%
52	17.871	17.805	17.930	BB	337976	4534830	47.92%	2.415%
53	18.272	18.187	18.287	BV	286232	3181018	33.61%	1.694%
54	18.530	18.455	18.598	BB	351784	5186880	54.81%	2.763%
55	18.704	18.638	18.760	BB	327889	4545874	48.03%	2.421%
56	19.489	19.440	19.540	BB	316638	4606977	48.68%	2.454%
57	20.230	20.180	20.285	BB	311144	4420385	46.71%	2.355%
58	21.006	20.920	21.077	BB	231245	4356609	46.03%	2.321%
59	21.987	21.893	22.078	BB	168721	4274678	45.17%	2.277%

Sum of corrected areas: 187739609

Aliphatic EPH 040925.M Mon May 05 11:59:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068754.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 19:42
Operator : YP/AJ
Sample : Q1928-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
MH-QMS

Integration File: sample.E
Quant Time: May 05 11:48:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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			
9)	S ortho-Terphenyl (SURR)	11.714	2971417	23.335 ug/ml
Spiked Amount	50.000		Recovery =	46.67%
12)	S 1-chlorooctadecane (S...	13.147	2351177	25.310 ug/ml
Spiked Amount	50.000		Recovery =	50.62%
	Target Compounds			
1)	T n-Nonane (C9)	3.445	3474612	32.990 ug/ml
2)	T n-Decane (C10)	4.521	3858767	36.625 ug/ml
3)	T A~Naphthalene (C11.7)	6.117	4555844	39.119 ug/ml
4)	T n-Dodecane (C12)	6.546	3991671	37.957 ug/ml
5)	T A~2-methylnaphthalene...	7.176	4219335	36.532 ug/ml
6)	T n-Tetradecane (C14)	8.344	4145350	40.323 ug/ml
7)	T n-Hexadecane (C16)	9.947	4393332	43.139 ug/ml
8)	T n-Octadecane (C18)	11.391	4524307	44.959 ug/ml
10)	T n-Eicosane (C20)	12.703	4664047	47.418 ug/ml
11)	T n-Heneicosane (C21)	13.315	4453647	45.699 ug/ml
13)	T n-Docosane (C22)	13.902	4435323	45.917 ug/ml
14)	T n-Tetracosane (C24)	15.000	9305303	97.761 ug/ml
15)	T n-Hexacosane (C26)	16.031	4344438	46.512 ug/ml
16)	T n-Octacosane (C28)	16.980	4407162	48.135 ug/ml
17)	T n-Tricontane (C30)	17.870	4419685	48.076 ug/ml
18)	T n-Dotriacontane (C32)	18.702	4409721	48.074 ug/ml
19)	T n-Tetratriacontane (C34)	19.487	4472132	50.058 ug/ml
20)	T n-Hexatriacontane (C36)	20.228	4314181	48.161 ug/ml
21)	T n-Octatriacontane (C38)	21.004	4284800	48.464 ug/ml
22)	T n-Tetracontane (C40)	21.983	4246318	48.086 ug/ml

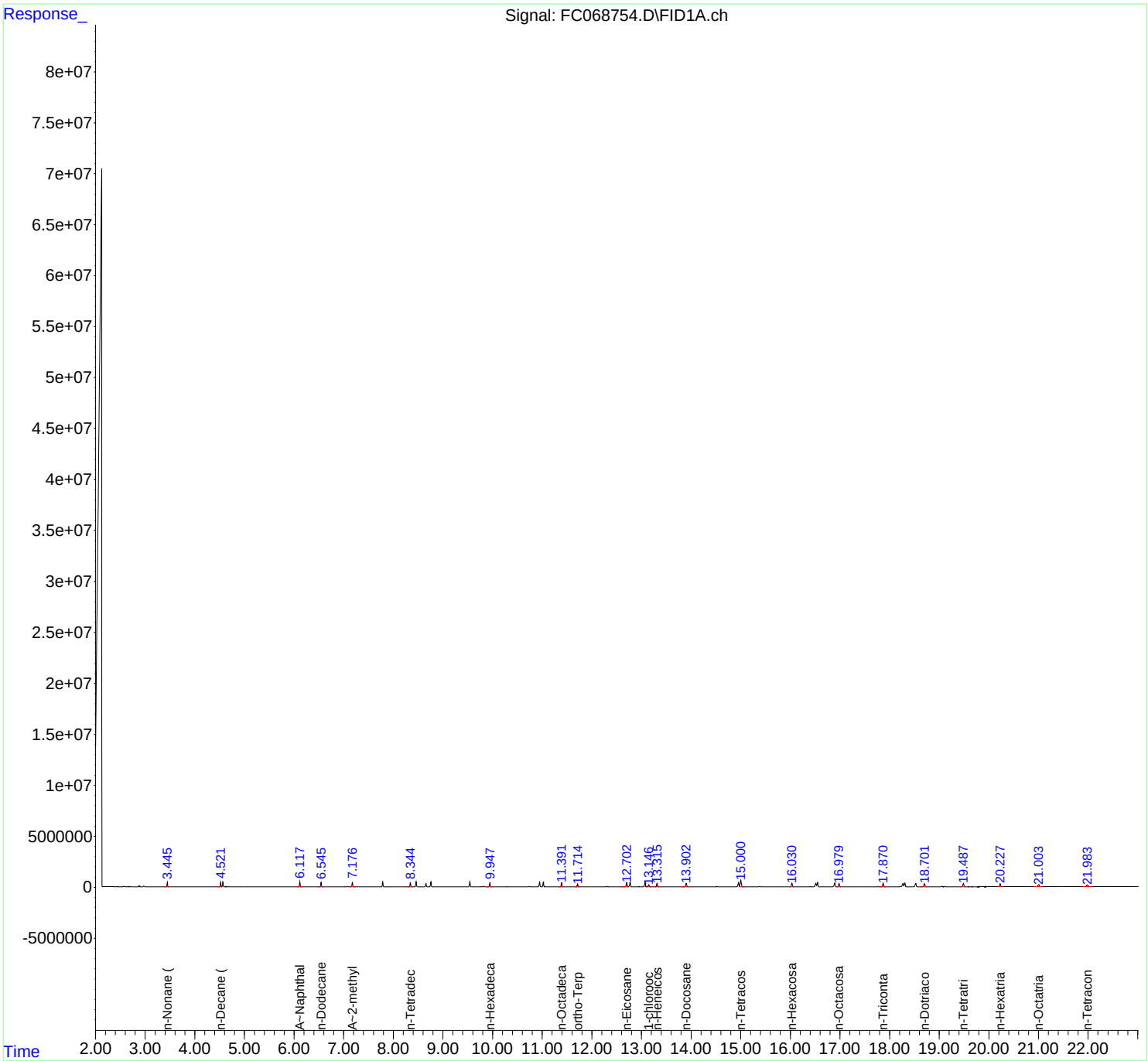
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068754.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 19:42
Operator : YP/AJ
Sample : Q1928-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
MH-QMS

Integration File: sample.E
Quant Time: May 05 11:48:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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\FC050225AL\
Data File : FC068754.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 19:42
Sample : Q1928-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.275	3.238	3.307	BV	189	2603	0.03%	0.001%
2	3.339	3.307	3.375	VV	335	6631	0.07%	0.004%
3	3.389	3.375	3.408	PV	71	690	0.01%	0.000%
4	3.445	3.408	3.491	PV	422038	3476741	37.04%	1.870%
5	3.496	3.491	3.512	VV	153	813	0.01%	0.000%
6	3.574	3.512	3.583	PV	203	2627	0.03%	0.001%
7	3.596	3.583	3.613	VV	459	3881	0.04%	0.002%
8	3.628	3.613	3.637	VV	126	1319	0.01%	0.001%
9	3.649	3.637	3.684	VV	176	2270	0.02%	0.001%
10	3.694	3.684	3.708	VV	211	1789	0.02%	0.001%
11	3.718	3.708	3.727	VV	246	2601	0.03%	0.001%
12	3.742	3.727	3.818	VV	1011	16938	0.18%	0.009%
13	3.832	3.818	3.894	VV	596	7277	0.08%	0.004%
14	3.930	3.894	3.958	VV	390	6920	0.07%	0.004%
15	3.967	3.958	3.982	VV	202	1673	0.02%	0.001%
16	4.013	3.982	4.070	VV	752	10048	0.11%	0.005%
17	4.092	4.070	4.111	VV	1138	10401	0.11%	0.006%
18	4.126	4.111	4.137	VV	213	2273	0.02%	0.001%
19	4.146	4.137	4.176	VV	178	2209	0.02%	0.001%
20	4.199	4.176	4.252	VV	118	3512	0.04%	0.002%
21	4.286	4.252	4.308	VV	536	7360	0.08%	0.004%
22	4.318	4.308	4.490	VV	192	15313	0.16%	0.008%
23	4.521	4.490	4.543	VV	440531	3862883	41.16%	2.078%
24	4.566	4.543	4.610	VV	475203	4142198	44.13%	2.228%
25	4.627	4.610	4.649	VV	4299	40786	0.43%	0.022%
26	4.674	4.649	4.713	VV	7438	71916	0.77%	0.039%
27	4.728	4.713	4.760	VV	202	4083	0.04%	0.002%
28	4.773	4.760	4.796	VV	251	3945	0.04%	0.002%
29	4.807	4.796	4.835	VV	267	3375	0.04%	0.002%
30	4.855	4.835	4.878	VV	212	3284	0.03%	0.002%
31	4.896	4.878	4.921	VV	155	2800	0.03%	0.002%
32	4.943	4.921	4.968	VV	189	2991	0.03%	0.002%
33	5.006	4.968	5.058	VV	168	5098	0.05%	0.003%
34	5.070	5.058	5.084	VV	128	1305	0.01%	0.001%
35	5.095	5.084	5.148	VV	150	4238	0.05%	0.002%
36	5.168	5.148	5.218	VV	173	5188	0.06%	0.003%

rteres

37	5.243	5.218	5.330	VV	233	8103	0.09%	0.004%
38	5.345	5.330	5.360	PV	127	1245	0.01%	0.001%
39	5.380	5.360	5.416	VV	562	6143	0.07%	0.003%
40	5.427	5.416	5.438	VV	91	875	0.01%	0.000%
41	5.478	5.438	5.510	VV	156	4480	0.05%	0.002%
42	5.521	5.510	5.531	VV	145	979	0.01%	0.001%
43	5.560	5.531	5.573	VV	1369	13098	0.14%	0.007%
44	5.587	5.573	5.707	VV	1947	28445	0.30%	0.015%
45	5.717	5.707	5.773	VV	179	5002	0.05%	0.003%
46	5.839	5.773	5.850	VV	179	5460	0.06%	0.003%
47	5.863	5.850	5.893	VV	164	3132	0.03%	0.002%
48	5.908	5.893	5.955	VV	225	4657	0.05%	0.003%
49	5.965	5.955	6.014	VV	127	3950	0.04%	0.002%
50	6.117	6.014	6.154	VV	495437	4565606	48.64%	2.456%
51	6.161	6.154	6.182	VV	743	9271	0.10%	0.005%
52	6.202	6.182	6.228	VV	486	9510	0.10%	0.005%
53	6.263	6.228	6.294	VV	458	12101	0.13%	0.007%
54	6.306	6.294	6.344	VV	247	6243	0.07%	0.003%
55	6.389	6.344	6.418	VV	757	15764	0.17%	0.008%
56	6.438	6.418	6.471	VV	354	8400	0.09%	0.005%
57	6.498	6.471	6.514	VV	361	6487	0.07%	0.003%
58	6.546	6.514	6.601	VV	413779	4002265	42.64%	2.153%
59	6.615	6.601	6.668	VV	1162	15182	0.16%	0.008%
60	6.696	6.668	6.721	VV	512	7004	0.07%	0.004%
61	6.729	6.721	6.734	VV	136	967	0.01%	0.001%
62	6.744	6.734	6.757	VV	202	1979	0.02%	0.001%
63	6.766	6.757	6.775	VV	177	1542	0.02%	0.001%
64	6.840	6.775	6.853	VV	236	7187	0.08%	0.004%
65	6.871	6.853	6.891	VV	205	3145	0.03%	0.002%
66	6.905	6.891	6.918	VV	198	2446	0.03%	0.001%
67	6.941	6.918	6.951	VV	387	4637	0.05%	0.002%
68	6.964	6.951	6.990	VV	440	5158	0.05%	0.003%
69	7.015	6.990	7.051	VV	4811	48229	0.51%	0.026%
70	7.082	7.051	7.118	VV	11610	116105	1.24%	0.062%
71	7.176	7.118	7.241	VV	432232	4232369	45.09%	2.277%
72	7.250	7.241	7.288	VV	358	7093	0.08%	0.004%
73	7.313	7.288	7.348	VV	1496	22691	0.24%	0.012%
74	7.365	7.348	7.381	VV	2329	27864	0.30%	0.015%
75	7.391	7.381	7.416	VV	1248	14321	0.15%	0.008%
76	7.441	7.416	7.454	VV	1058	13238	0.14%	0.007%
77	7.469	7.454	7.489	VV	1179	14467	0.15%	0.008%
78	7.513	7.489	7.524	VV	377	6117	0.07%	0.003%
79	7.537	7.524	7.552	VV	414	5694	0.06%	0.003%
80	7.564	7.552	7.588	VV	422	5443	0.06%	0.003%
81	7.613	7.588	7.630	VV	236	4356	0.05%	0.002%
82	7.650	7.630	7.671	VV	681	9409	0.10%	0.005%
83	7.689	7.671	7.741	VV	351	10014	0.11%	0.005%
84	7.788	7.741	7.842	VV	482035	4649418	49.54%	2.501%
85	7.849	7.842	7.856	VV	335	2675	0.03%	0.001%
86	7.882	7.856	7.914	VV	612	15087	0.16%	0.008%
87	7.926	7.914	8.013	VV	514	14108	0.15%	0.008%
88	8.039	8.013	8.071	VV	585	11172	0.12%	0.006%
89	8.094	8.071	8.111	VV	538	7535	0.08%	0.004%

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90	8.122	8.111	8.137	VV	232	3129	0.03%	0.002%
91	8.166	8.137	8.183	VV	399	7303	0.08%	0.004%
92	8.205	8.183	8.224	VV	319	7250	0.08%	0.004%
93	8.246	8.224	8.286	VV	430	14518	0.15%	0.008%
94	8.344	8.286	8.380	VV	410040	4156588	44.29%	2.236%
95	8.403	8.380	8.420	VV	249	4737	0.05%	0.003%
96	8.461	8.420	8.561	VV	487106	4771178	50.84%	2.567%
97	8.569	8.561	8.618	VV	299	6514	0.07%	0.004%
98	8.659	8.618	8.724	VV	308829	3146472	33.52%	1.693%
99	8.759	8.724	8.798	VV	478062	4829706	51.46%	2.598%
100	8.811	8.798	8.838	VV	528	8091	0.09%	0.004%
101	8.843	8.838	8.859	VV	243	2610	0.03%	0.001%
102	8.880	8.859	8.924	VV	387	7377	0.08%	0.004%
103	8.966	8.924	8.982	VV	300	6022	0.06%	0.003%
104	9.027	8.982	9.048	VV	813	13326	0.14%	0.007%
105	9.062	9.048	9.137	VV	646	15951	0.17%	0.009%
106	9.165	9.137	9.189	VV	707	9941	0.11%	0.005%
107	9.199	9.189	9.221	VV	275	3183	0.03%	0.002%
108	9.227	9.221	9.279	VV	178	3277	0.03%	0.002%
109	9.301	9.279	9.333	VV	197	3729	0.04%	0.002%
110	9.351	9.333	9.372	VV	267	3706	0.04%	0.002%
111	9.401	9.372	9.437	VV	221	5146	0.05%	0.003%
112	9.466	9.437	9.505	PV	284	6607	0.07%	0.004%
113	9.544	9.505	9.572	VV	498899	5027687	53.57%	2.705%
114	9.583	9.572	9.608	VV	821	10767	0.11%	0.006%
115	9.620	9.608	9.650	VV	345	6040	0.06%	0.003%
116	9.684	9.650	9.697	VV	505	8802	0.09%	0.005%
117	9.723	9.697	9.736	VV	2022	28048	0.30%	0.015%
118	9.755	9.736	9.790	VV	7973	85208	0.91%	0.046%
119	9.816	9.790	9.868	VV	35618	377404	4.02%	0.203%
120	9.880	9.868	9.904	VV	657	8587	0.09%	0.005%
121	9.947	9.904	10.008	VV	411854	4409527	46.98%	2.372%
122	10.039	10.008	10.089	VV	363	8276	0.09%	0.004%
123	10.119	10.089	10.157	VV	193	4079	0.04%	0.002%
124	10.168	10.157	10.188	VV	83	1558	0.02%	0.001%
125	10.195	10.188	10.207	VV	96	1125	0.01%	0.001%
126	10.225	10.207	10.263	VV	185	3257	0.03%	0.002%
127	10.291	10.263	10.315	VV	4433	47046	0.50%	0.025%
128	10.336	10.315	10.366	VV	370	6136	0.07%	0.003%
129	10.385	10.366	10.406	VV	306	5144	0.05%	0.003%
130	10.425	10.406	10.446	VV	163	2573	0.03%	0.001%
131	10.463	10.446	10.525	VV	271	5950	0.06%	0.003%
132	10.549	10.525	10.564	VV	195	2969	0.03%	0.002%
133	10.580	10.564	10.601	VV	221	3833	0.04%	0.002%
134	10.614	10.601	10.625	VV	215	2682	0.03%	0.001%
135	10.642	10.625	10.659	VV	370	5666	0.06%	0.003%
136	10.680	10.659	10.704	VV	848	11794	0.13%	0.006%
137	10.737	10.704	10.821	VV	10229	156662	1.67%	0.084%
138	10.828	10.821	10.855	VV	176	2044	0.02%	0.001%
139	10.871	10.855	10.887	PV	196	1892	0.02%	0.001%
140	10.950	10.887	10.991	VV	478202	5102118	54.36%	2.745%
141	11.025	10.991	11.078	VV	470099	5053475	53.84%	2.718%

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142	11.097	11.078	11.125	VV	964	14294	0.15%	0.008%
143	11.133	11.125	11.154	VV	252	3498	0.04%	0.002%
144	11.161	11.154	11.169	VV	220	1815	0.02%	0.001%
145	11.193	11.169	11.208	VV	988	13048	0.14%	0.007%
146	11.227	11.208	11.293	VV	3597	40932	0.44%	0.022%
147	11.320	11.293	11.344	VV	401	6542	0.07%	0.004%
148	11.391	11.344	11.437	VV	402052	4533899	48.31%	2.439%
149	11.473	11.437	11.522	VV	438	11115	0.12%	0.006%
150	11.550	11.522	11.568	VV	200	3273	0.03%	0.002%
151	11.585	11.568	11.602	VV	152	2277	0.02%	0.001%
152	11.662	11.602	11.678	VV	163	4510	0.05%	0.002%
153	11.714	11.678	11.764	VV	291128	2975085	31.70%	1.600%
154	11.804	11.764	11.822	VV	386	8687	0.09%	0.005%
155	11.844	11.822	11.858	VV	828	10447	0.11%	0.006%
156	11.875	11.858	11.909	VV	1206	18417	0.20%	0.010%
157	11.922	11.909	11.968	VV	457	7692	0.08%	0.004%
158	11.992	11.968	12.026	VV	368	6584	0.07%	0.004%
159	12.055	12.026	12.091	VV	379	9178	0.10%	0.005%
160	12.110	12.091	12.131	VV	323	5369	0.06%	0.003%
161	12.153	12.131	12.198	VV	295	6939	0.07%	0.004%
162	12.228	12.198	12.241	VV	207	3585	0.04%	0.002%
163	12.306	12.241	12.379	VV	22134	297284	3.17%	0.160%
164	12.393	12.379	12.414	VV	1475	25800	0.27%	0.014%
165	12.421	12.414	12.473	VV	1034	28706	0.31%	0.015%
166	12.541	12.473	12.613	VV	2520	75744	0.81%	0.041%
167	12.640	12.613	12.663	VV	686	15389	0.16%	0.008%
168	12.703	12.663	12.734	VV	405888	4675314	49.81%	2.515%
169	12.772	12.734	12.871	VV	448502	5191238	55.31%	2.793%
170	12.907	12.871	12.925	VV	325	8125	0.09%	0.004%
171	12.954	12.925	12.994	VV	5511	70496	0.75%	0.038%
172	13.007	12.994	13.030	VV	379	6995	0.07%	0.004%
173	13.072	13.030	13.100	VV	439065	5063841	53.95%	2.724%
174	13.147	13.100	13.184	VV	197821	2365262	25.20%	1.272%
175	13.261	13.223	13.276	VV	511	11100	0.12%	0.006%
176	13.315	13.276	13.352	VV	360645	4468824	47.61%	2.404%
177	13.361	13.352	13.384	VV	363	5882	0.06%	0.003%
178	13.401	13.384	13.421	VV	350	6081	0.06%	0.003%
179	13.444	13.421	13.468	VV	365	7817	0.08%	0.004%
180	13.507	13.468	13.531	VV	816	20112	0.21%	0.011%
181	13.548	13.531	13.559	VV	719	11081	0.12%	0.006%
182	13.590	13.559	13.604	VV	769	19159	0.20%	0.010%
183	13.613	13.604	13.637	VV	714	13866	0.15%	0.007%
184	13.655	13.637	13.672	VV	763	14104	0.15%	0.008%
185	13.691	13.672	13.710	VV	934	17532	0.19%	0.009%
186	13.741	13.710	13.791	VV	1146	34130	0.36%	0.018%
187	13.813	13.791	13.824	VV	516	10238	0.11%	0.006%
188	13.849	13.824	13.864	VV	1067	18694	0.20%	0.010%
189	13.902	13.864	13.939	VV	353039	4450279	47.42%	2.394%
190	13.952	13.939	13.981	VV	603	13631	0.15%	0.007%
191	14.028	13.981	14.058	VV	1478	32777	0.35%	0.018%
192	14.077	14.058	14.095	VV	933	14666	0.16%	0.008%
193	14.105	14.095	14.115	VV	502	5888	0.06%	0.003%
194	14.138	14.115	14.186	VV	572	20791	0.22%	0.011%

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195	14.201	14.186	14.225	VV	555	10630	0.11%	0.006%
196	14.291	14.225	14.320	VV	1138	39716	0.42%	0.021%
197	14.336	14.320	14.431	VV	1032	44608	0.48%	0.024%
198	14.471	14.431	14.495	VV	1741	37285	0.40%	0.020%
199	14.519	14.495	14.551	VV	8538	118244	1.26%	0.064%
200	14.560	14.551	14.581	VV	945	15960	0.17%	0.009%
201	14.588	14.581	14.615	VV	895	15630	0.17%	0.008%
202	14.633	14.615	14.650	VV	704	14015	0.15%	0.008%
203	14.684	14.650	14.712	VV	1160	29293	0.31%	0.016%
204	14.754	14.712	14.784	VV	822	31907	0.34%	0.017%
205	14.845	14.784	14.891	VV	1047	51364	0.55%	0.028%
206	14.953	14.891	14.973	VV	372712	5048697	53.79%	2.716%
207	15.000	14.973	15.128	VV	680934	9385599	100.00%	5.049%
208	15.184	15.154	15.232	VV	1883	53015	0.56%	0.029%
209	15.251	15.232	15.274	VV	897	21147	0.23%	0.011%
210	15.281	15.274	15.321	VV	779	20536	0.22%	0.011%
211	15.380	15.321	15.462	VV	16078	285805	3.05%	0.154%
212	15.472	15.462	15.498	VV	867	16631	0.18%	0.009%
213	15.525	15.498	15.560	VV	1419	38348	0.41%	0.021%
214	15.605	15.560	15.648	VV	2167	54344	0.58%	0.029%
215	15.652	15.648	15.701	VV	668	17008	0.18%	0.009%
216	15.712	15.701	15.718	VV	488	4878	0.05%	0.003%
217	15.727	15.718	15.741	VV	600	6579	0.07%	0.004%
218	15.757	15.741	15.776	VV	578	10542	0.11%	0.006%
219	15.792	15.776	15.823	VV	602	13804	0.15%	0.007%
220	15.860	15.823	15.884	VV	1443	27008	0.29%	0.015%
221	15.902	15.884	15.970	VV	908	29595	0.32%	0.016%
222	16.030	15.970	16.078	VV	346376	4374219	46.61%	2.353%
223	16.090	16.078	16.146	VV	531	14600	0.16%	0.008%
224	16.199	16.146	16.216	VV	575	15243	0.16%	0.008%
225	16.234	16.216	16.284	VV	1089	19174	0.20%	0.010%
226	16.397	16.284	16.450	VV	3872	84015	0.90%	0.045%
227	16.513	16.450	16.529	VV	360227	5193100	55.33%	2.794%
228	16.549	16.529	16.578	VV	433522	5164199	55.02%	2.778%
229	16.592	16.578	16.627	VV	1488	25829	0.28%	0.014%
230	16.638	16.627	16.684	VV	406	10767	0.11%	0.006%
231	16.689	16.684	16.731	VV	300	6981	0.07%	0.004%
232	16.756	16.731	16.800	VV	2945	41666	0.44%	0.022%
233	16.832	16.800	16.837	VV	251	5014	0.05%	0.003%
234	16.895	16.837	16.929	VV	373899	5011290	53.39%	2.696%
235	16.980	16.929	17.018	VV	335235	4430756	47.21%	2.383%
236	17.029	17.018	17.041	VV	566	7018	0.07%	0.004%
237	17.056	17.041	17.114	VV	622	13179	0.14%	0.007%
238	17.125	17.114	17.157	VV	168	2220	0.02%	0.001%
239	17.191	17.157	17.208	PV	184	2854	0.03%	0.002%
240	17.343	17.208	17.386	VV	1229	31624	0.34%	0.017%
241	17.427	17.386	17.465	VV	1778	30561	0.33%	0.016%
242	17.513	17.465	17.561	PV	409	9093	0.10%	0.005%
243	17.603	17.561	17.637	VV	123	3034	0.03%	0.002%
244	17.656	17.637	17.681	PV	203	2719	0.03%	0.001%
245	17.758	17.681	17.787	PV	3625	55209	0.59%	0.030%
246	17.870	17.787	17.931	VV	340550	4431012	47.21%	2.384%

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247	17.957	17.931	18.000	VV	1032	16413	0.17%	0.009%
248	18.063	18.000	18.084	PV	148	4134	0.04%	0.002%
249	18.109	18.084	18.176	VV	369	8178	0.09%	0.004%
250	18.269	18.176	18.286	VV	345307	5477702	58.36%	2.947%
251	18.307	18.286	18.368	VV	379280	4910318	52.32%	2.641%
252	18.380	18.368	18.448	VV	724	22981	0.24%	0.012%
253	18.456	18.448	18.471	VV	250	3292	0.04%	0.002%
254	18.528	18.471	18.617	VV	335370	5025300	53.54%	2.703%
255	18.643	18.617	18.656	VV	512	10039	0.11%	0.005%
256	18.702	18.656	18.757	VV	303573	4425164	47.15%	2.380%
257	18.787	18.757	18.838	VV	1295	32349	0.34%	0.017%
258	18.859	18.838	18.897	VV	569	12421	0.13%	0.007%
259	18.911	18.897	18.930	VV	208	3399	0.04%	0.002%
260	18.981	18.930	19.016	VV	483	13687	0.15%	0.007%
261	19.050	19.016	19.082	VV	4622	91053	0.97%	0.049%
262	19.099	19.082	19.158	VV	2351	57267	0.61%	0.031%
263	19.195	19.158	19.217	VV	668	18340	0.20%	0.010%
264	19.262	19.217	19.321	VV	584	29371	0.31%	0.016%
265	19.345	19.321	19.376	VV	642	16517	0.18%	0.009%
266	19.397	19.376	19.416	VV	521	10906	0.12%	0.006%
267	19.487	19.416	19.531	VV	317858	4503382	47.98%	2.423%
268	19.557	19.531	19.574	VV	908	19944	0.21%	0.011%
269	19.592	19.574	19.621	VV	1199	25908	0.28%	0.014%
270	19.664	19.621	19.699	VV	1163	42601	0.45%	0.023%
271	19.781	19.699	19.801	VV	1209	54320	0.58%	0.029%
272	19.857	19.801	19.886	VV	2579	87852	0.94%	0.047%
273	19.896	19.886	19.908	VV	1196	15685	0.17%	0.008%
274	19.915	19.908	19.927	VV	1176	13065	0.14%	0.007%
275	19.958	19.927	19.991	VV	1267	44037	0.47%	0.024%
276	20.022	19.991	20.051	VV	1572	48658	0.52%	0.026%
277	20.086	20.051	20.104	VV	2118	56851	0.61%	0.031%
278	20.131	20.104	20.168	VV	2642	79514	0.85%	0.043%
279	20.228	20.168	20.291	VV	306413	4450585	47.42%	2.394%
280	20.365	20.291	20.425	VV	4330	197415	2.10%	0.106%
281	20.470	20.425	20.520	VV	2316	115827	1.23%	0.062%
282	20.590	20.520	20.632	VV	2923	154512	1.65%	0.083%
283	20.641	20.632	20.664	VV	2020	38597	0.41%	0.021%
284	20.677	20.664	20.687	VV	1974	26938	0.29%	0.014%
285	20.698	20.687	20.714	VV	1970	31353	0.33%	0.017%
286	20.720	20.714	20.757	VV	1927	48669	0.52%	0.026%
287	20.780	20.757	20.796	VV	2048	45475	0.48%	0.024%
288	20.803	20.796	20.873	VV	1993	83986	0.89%	0.045%
289	20.898	20.873	20.934	VV	1777	62837	0.67%	0.034%
290	21.004	20.934	21.078	VV	213406	4419607	47.09%	2.377%
291	21.117	21.078	21.139	VV	1600	55358	0.59%	0.030%
292	21.167	21.139	21.204	VV	1451	53666	0.57%	0.029%
293	21.215	21.204	21.232	VV	1326	20528	0.22%	0.011%
294	21.241	21.232	21.251	VV	1190	13773	0.15%	0.007%
295	21.256	21.251	21.300	VV	1220	32702	0.35%	0.018%
296	21.336	21.300	21.368	VV	1212	46172	0.49%	0.025%
297	21.374	21.368	21.388	VV	1090	12423	0.13%	0.007%
298	21.399	21.388	21.405	VV	1043	10600	0.11%	0.006%
299	21.459	21.405	21.535	VV	1438	83975	0.89%	0.045%

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300	21.547	21.535	21.603	VV	912	33671	0.36%	0.018%
301	21.623	21.603	21.657	VV	780	23228	0.25%	0.012%
302	21.676	21.657	21.777	VV	729	43765	0.47%	0.024%
303	21.790	21.777	21.825	VV	575	14916	0.16%	0.008%
304	21.834	21.825	21.871	VV	607	13292	0.14%	0.007%
305	21.983	21.906	22.121	VV	170397	4271295	45.51%	2.298%
306	22.137	22.121	22.147	VV	116	1119	0.01%	0.001%

Sum of corrected areas: 185897086

Aliphatic EPH 040925.M Mon May 05 12:00:34 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068755.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 20:19
Operator : YP/AJ
Sample : Q1928-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
MH-QMSD

Integration File: sample.E
Quant Time: May 05 11:49:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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			
9) S	ortho-Terphenyl (SURR)	11.714	2930800	23.016 ug/ml
Spiked Amount	50.000		Recovery =	46.03%
12) S	1-chlorooctadecane (S...	13.147	2271721	24.455 ug/ml
Spiked Amount	50.000		Recovery =	48.91%
	Target Compounds			
1) T	n-Nonane (C9)	3.447	3589621	34.082 ug/ml
2) T	n-Decane (C10)	4.522	3962068	37.605 ug/ml
3) T	A~Naphthalene (C11.7)	6.118	4661571	40.027 ug/ml
4) T	n-Dodecane (C12)	6.546	4042734	38.443 ug/ml
5) T	A~2-methylnaphthalene...	7.176	4282473	37.078 ug/ml
6) T	n-Tetradecane (C14)	8.345	4121660	40.092 ug/ml
7) T	n-Hexadecane (C16)	9.947	4298951	42.212 ug/ml
8) T	n-Octadecane (C18)	11.391	4374877	43.474 ug/ml
10) T	n-Eicosane (C20)	12.704	4477221	45.519 ug/ml
11) T	n-Heneicosane (C21)	13.315	4274596	43.861 ug/ml
13) T	n-Docosane (C22)	13.903	4255877	44.059 ug/ml
14) T	n-Tetracosane (C24)	15.000	9192026	96.571 ug/ml
15) T	n-Hexacosane (C26)	16.031	4221848	45.200 ug/ml
16) T	n-Octacosane (C28)	16.980	4314401	47.122 ug/ml
17) T	n-Tricontane (C30)	17.871	4346666	47.281 ug/ml
18) T	n-Dotriacontane (C32)	18.704	4340625	47.320 ug/ml
19) T	n-Tetratriacontane (C34)	19.488	4407975	49.340 ug/ml
20) T	n-Hexatriacontane (C36)	20.229	4255451	47.505 ug/ml
21) T	n-Octatriacontane (C38)	21.006	4234337	47.893 ug/ml
22) T	n-Tetracontane (C40)	21.983	4200791	47.571 ug/ml

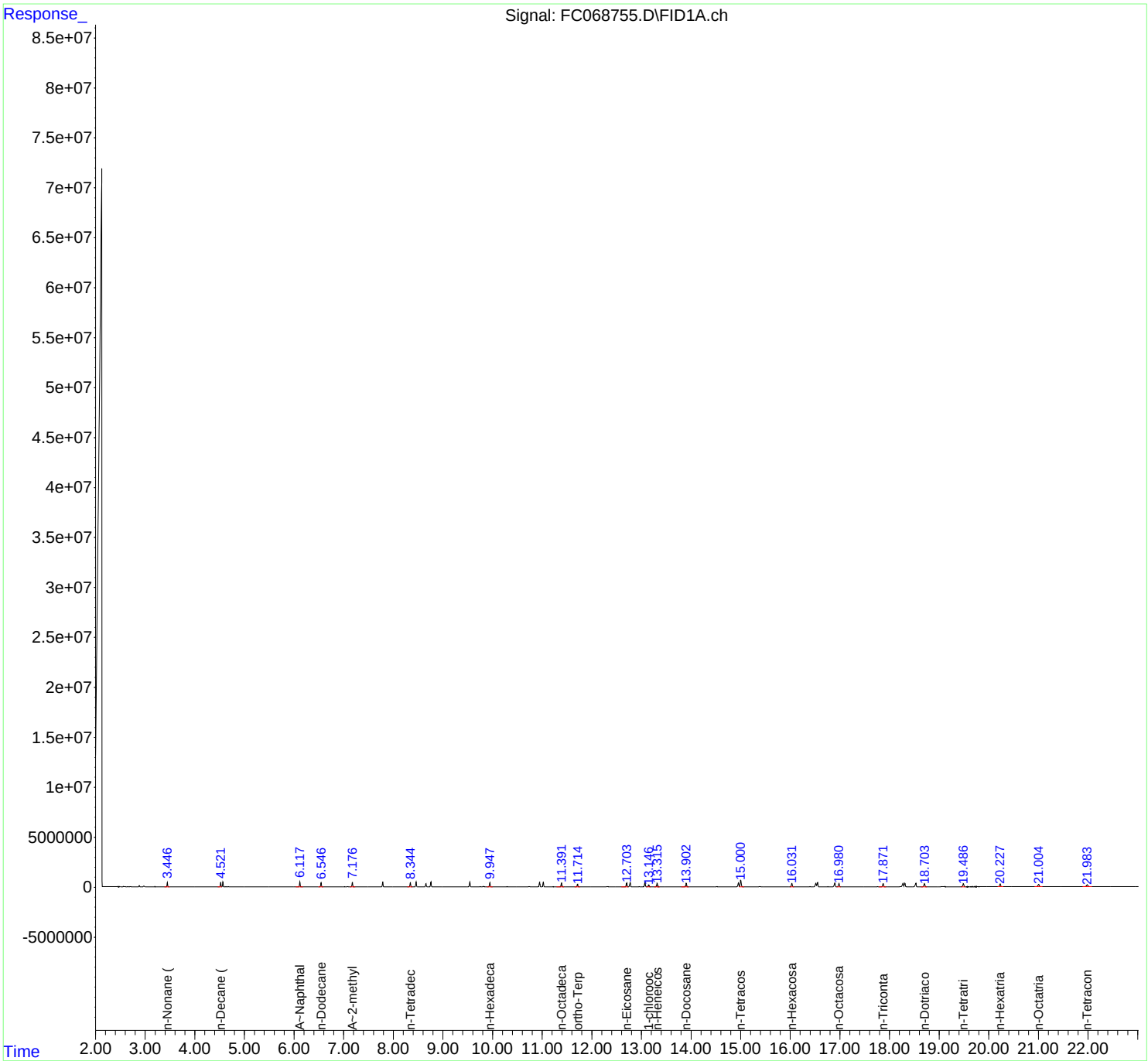
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050225AL\
Data File : FC068755.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 20:19
Operator : YP/AJ
Sample : Q1928-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
MH-QMSD

Integration File: sample.E
Quant Time: May 05 11:49:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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\FC050225AL\
Data File : FC068755.D
Signal(s) : FID1A.ch
Acq On : 02 May 2025 20:19
Sample : Q1928-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.271	3.204	3.308	BV	-47	-13329	-0.14%	-0.007%
2	3.329	3.308	3.391	PV	255	6763	0.07%	0.004%
3	3.400	3.391	3.414	PV	81	719	0.01%	0.000%
4	3.447	3.414	3.558	VV	435973	3591393	38.78%	1.940%
5	3.596	3.558	3.618	VV	553	7572	0.08%	0.004%
6	3.649	3.618	3.672	PV	251	3874	0.04%	0.002%
7	3.719	3.672	3.726	VV	263	5144	0.06%	0.003%
8	3.743	3.726	3.796	VV	1105	17926	0.19%	0.010%
9	3.832	3.796	3.852	VV	721	8078	0.09%	0.004%
10	3.862	3.852	3.914	VV	97	1929	0.02%	0.001%
11	3.931	3.914	3.994	VV	494	8573	0.09%	0.005%
12	4.014	3.994	4.071	PV	929	10234	0.11%	0.006%
13	4.092	4.071	4.111	PV	1122	9736	0.11%	0.005%
14	4.123	4.111	4.172	VV	185	4405	0.05%	0.002%
15	4.185	4.172	4.204	VV	120	1166	0.01%	0.001%
16	4.214	4.204	4.249	VV	148	2057	0.02%	0.001%
17	4.287	4.249	4.311	VV	489	7384	0.08%	0.004%
18	4.322	4.311	4.381	VV	201	5620	0.06%	0.003%
19	4.391	4.381	4.428	VV	116	2523	0.03%	0.001%
20	4.439	4.428	4.494	VV	190	5047	0.05%	0.003%
21	4.522	4.494	4.544	VV	445101	3965256	42.82%	2.141%
22	4.566	4.544	4.610	VV	489410	4272039	46.13%	2.307%
23	4.628	4.610	4.654	VV	4431	42165	0.46%	0.023%
24	4.675	4.654	4.708	VV	7751	70626	0.76%	0.038%
25	4.713	4.708	4.764	VV	156	4069	0.04%	0.002%
26	4.777	4.764	4.793	VV	240	2744	0.03%	0.001%
27	4.807	4.793	4.828	VV	198	2466	0.03%	0.001%
28	4.831	4.828	4.839	VV	211	806	0.01%	0.000%
29	4.858	4.839	4.880	VV	172	3082	0.03%	0.002%
30	4.891	4.880	4.920	VV	150	2380	0.03%	0.001%
31	4.931	4.920	4.968	VV	172	2605	0.03%	0.001%
32	4.978	4.968	4.988	VV	65	752	0.01%	0.000%
33	5.006	4.988	5.087	VV	160	5295	0.06%	0.003%
34	5.101	5.087	5.148	VV	140	3441	0.04%	0.002%
35	5.164	5.148	5.192	VV	177	2691	0.03%	0.001%
36	5.203	5.192	5.207	PV	92	804	0.01%	0.000%

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37	5.222	5.207	5.234	VV	149	1933	0.02%	0.001%
38	5.253	5.234	5.287	VV	181	3412	0.04%	0.002%
39	5.298	5.287	5.307	VV	86	700	0.01%	0.000%
40	5.327	5.307	5.342	VV	120	1531	0.02%	0.001%
41	5.380	5.342	5.515	PV	674	12353	0.13%	0.007%
42	5.525	5.515	5.532	VV	78	536	0.01%	0.000%
43	5.560	5.532	5.573	VV	1186	11955	0.13%	0.006%
44	5.587	5.573	5.654	VV	1940	21829	0.24%	0.012%
45	5.671	5.654	5.709	VV	127	2269	0.02%	0.001%
46	5.719	5.709	5.737	VV	88	940	0.01%	0.001%
47	5.748	5.737	5.770	VV	113	1541	0.02%	0.001%
48	5.791	5.770	5.821	VV	118	2030	0.02%	0.001%
49	5.844	5.821	5.857	VV	118	1386	0.01%	0.001%
50	5.867	5.857	5.888	VV	151	1233	0.01%	0.001%
51	5.921	5.888	5.949	VV	134	2701	0.03%	0.001%
52	5.984	5.949	6.018	PV	139	3128	0.03%	0.002%
53	6.076	6.018	6.088	VV	348	6315	0.07%	0.003%
54	6.118	6.088	6.152	VV	515298	4662519	50.35%	2.518%
55	6.162	6.152	6.187	VV	733	10839	0.12%	0.006%
56	6.202	6.187	6.243	VV	421	9900	0.11%	0.005%
57	6.261	6.243	6.289	VV	444	7975	0.09%	0.004%
58	6.313	6.289	6.331	VV	201	4252	0.05%	0.002%
59	6.389	6.331	6.424	VV	727	17361	0.19%	0.009%
60	6.431	6.424	6.444	VV	249	2546	0.03%	0.001%
61	6.452	6.444	6.513	VV	267	6988	0.08%	0.004%
62	6.546	6.513	6.601	VV	410605	4048077	43.71%	2.186%
63	6.615	6.601	6.642	VV	1189	13285	0.14%	0.007%
64	6.651	6.642	6.664	VV	135	1490	0.02%	0.001%
65	6.694	6.664	6.715	VV	575	6448	0.07%	0.003%
66	6.741	6.715	6.774	VV	188	3553	0.04%	0.002%
67	6.788	6.774	6.814	VV	150	2460	0.03%	0.001%
68	6.837	6.814	6.858	VV	215	3163	0.03%	0.002%
69	6.869	6.858	6.918	VV	164	3521	0.04%	0.002%
70	6.940	6.918	6.952	VV	348	4370	0.05%	0.002%
71	6.964	6.952	6.986	VV	315	4498	0.05%	0.002%
72	7.016	6.986	7.056	VV	4838	47539	0.51%	0.026%
73	7.082	7.056	7.128	VV	11771	115010	1.24%	0.062%
74	7.176	7.128	7.239	VV	443699	4292555	46.35%	2.318%
75	7.248	7.239	7.291	VV	279	5920	0.06%	0.003%
76	7.313	7.291	7.343	VV	1449	19198	0.21%	0.010%
77	7.365	7.343	7.381	VV	2238	26996	0.29%	0.015%
78	7.391	7.381	7.423	VV	1135	14159	0.15%	0.008%
79	7.442	7.423	7.454	VV	974	10233	0.11%	0.006%
80	7.468	7.454	7.491	VV	1152	13245	0.14%	0.007%
81	7.515	7.491	7.524	VV	388	4408	0.05%	0.002%
82	7.538	7.524	7.549	VV	437	4594	0.05%	0.002%
83	7.565	7.549	7.595	VV	396	5386	0.06%	0.003%
84	7.605	7.595	7.613	VV	175	1165	0.01%	0.001%
85	7.649	7.613	7.678	VV	642	9639	0.10%	0.005%
86	7.695	7.678	7.736	VV	260	5373	0.06%	0.003%
87	7.789	7.736	7.837	VV	492539	4663386	50.35%	2.518%
88	7.883	7.837	7.914	VV	518	14249	0.15%	0.008%
89	7.926	7.914	7.979	VV	533	9359	0.10%	0.005%

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90	7.988	7.979	8.017	VV	146	2288	0.02%	0.001%
91	8.038	8.017	8.073	VV	554	7901	0.09%	0.004%
92	8.096	8.073	8.133	VV	375	6285	0.07%	0.003%
93	8.166	8.133	8.187	VV	282	5236	0.06%	0.003%
94	8.206	8.187	8.228	VV	299	5336	0.06%	0.003%
95	8.244	8.228	8.269	VV	388	7945	0.09%	0.004%
96	8.279	8.269	8.291	VV	329	3979	0.04%	0.002%
97	8.345	8.291	8.382	VV	402890	4131234	44.61%	2.231%
98	8.461	8.382	8.501	VV	484068	4797324	51.80%	2.591%
99	8.512	8.501	8.554	VV	266	6375	0.07%	0.003%
100	8.570	8.554	8.594	VV	259	4089	0.04%	0.002%
101	8.659	8.594	8.723	VV	313266	3135753	33.86%	1.693%
102	8.759	8.723	8.795	VV	488116	4856978	52.45%	2.623%
103	8.812	8.795	8.846	VV	480	7631	0.08%	0.004%
104	8.878	8.846	8.905	VV	368	6932	0.07%	0.004%
105	8.916	8.905	8.938	VV	93	1374	0.01%	0.001%
106	8.971	8.938	9.010	VV	183	5676	0.06%	0.003%
107	9.027	9.010	9.043	VV	827	8978	0.10%	0.005%
108	9.061	9.043	9.103	VV	543	11308	0.12%	0.006%
109	9.116	9.103	9.129	VV	170	2016	0.02%	0.001%
110	9.164	9.129	9.190	VV	691	10022	0.11%	0.005%
111	9.206	9.190	9.218	VV	194	2626	0.03%	0.001%
112	9.227	9.218	9.240	VV	131	1441	0.02%	0.001%
113	9.250	9.240	9.284	VV	104	1684	0.02%	0.001%
114	9.317	9.284	9.335	PV	150	2170	0.02%	0.001%
115	9.349	9.335	9.359	VV	176	1670	0.02%	0.001%
116	9.370	9.359	9.382	VV	106	1397	0.02%	0.001%
117	9.422	9.382	9.446	VV	174	4451	0.05%	0.002%
118	9.465	9.446	9.494	VV	264	3408	0.04%	0.002%
119	9.544	9.494	9.574	VV	490818	5027612	54.29%	2.715%
120	9.585	9.574	9.610	VV	765	10418	0.11%	0.006%
121	9.621	9.610	9.628	VV	278	2814	0.03%	0.002%
122	9.634	9.628	9.654	VV	253	3110	0.03%	0.002%
123	9.684	9.668	9.697	VV	524	5902	0.06%	0.003%
124	9.723	9.697	9.736	VV	1946	26371	0.28%	0.014%
125	9.755	9.736	9.790	VV	7941	83529	0.90%	0.045%
126	9.816	9.790	9.867	VV	36726	375337	4.05%	0.203%
127	9.881	9.867	9.908	VV	613	8413	0.09%	0.005%
128	9.947	9.908	10.002	VV	398293	4309329	46.53%	2.327%
129	10.041	10.002	10.071	VV	300	6954	0.08%	0.004%
130	10.079	10.071	10.103	VV	128	1466	0.02%	0.001%
131	10.120	10.103	10.144	VV	152	2408	0.03%	0.001%
132	10.170	10.144	10.183	VV	92	1747	0.02%	0.001%
133	10.193	10.183	10.205	VV	108	1015	0.01%	0.001%
134	10.223	10.205	10.260	PV	201	3289	0.04%	0.002%
135	10.291	10.260	10.315	VV	4451	47049	0.51%	0.025%
136	10.335	10.315	10.374	VV	385	8168	0.09%	0.004%
137	10.385	10.374	10.444	VV	305	7133	0.08%	0.004%
138	10.463	10.444	10.478	VV	275	3470	0.04%	0.002%
139	10.493	10.478	10.520	VV	214	2484	0.03%	0.001%
140	10.587	10.520	10.624	VV	254	9939	0.11%	0.005%
141	10.641	10.624	10.660	VV	372	5477	0.06%	0.003%

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142	10.680	10.660	10.702	VV	834	10106	0.11%	0.005%
143	10.736	10.702	10.811	VV	10293	152898	1.65%	0.083%
144	10.819	10.811	10.831	VV	176	1548	0.02%	0.001%
145	10.835	10.831	10.857	VV	116	989	0.01%	0.001%
146	10.875	10.857	10.888	PV	146	1693	0.02%	0.001%
147	10.950	10.888	10.986	VV	473160	5087885	54.94%	2.748%
148	11.025	10.986	11.077	VV	476366	5048816	54.52%	2.727%
149	11.097	11.077	11.128	VV	852	13060	0.14%	0.007%
150	11.137	11.128	11.151	VV	202	2244	0.02%	0.001%
151	11.192	11.151	11.208	VV	978	13737	0.15%	0.007%
152	11.228	11.208	11.269	VV	3714	39474	0.43%	0.021%
153	11.282	11.269	11.293	VV	126	1544	0.02%	0.001%
154	11.319	11.293	11.351	VV	382	6573	0.07%	0.004%
155	11.391	11.351	11.441	VV	386852	4375633	47.25%	2.363%
156	11.474	11.441	11.516	VV	442	9850	0.11%	0.005%
157	11.550	11.516	11.569	VV	302	4553	0.05%	0.002%
158	11.583	11.569	11.631	VV	286	4131	0.04%	0.002%
159	11.660	11.631	11.681	PV	185	3503	0.04%	0.002%
160	11.714	11.681	11.768	VV	268288	2934150	31.68%	1.585%
161	11.806	11.768	11.824	VV	479	8903	0.10%	0.005%
162	11.843	11.824	11.857	VV	949	10762	0.12%	0.006%
163	11.875	11.857	11.914	VV	1258	20537	0.22%	0.011%
164	11.925	11.914	11.948	VV	465	5866	0.06%	0.003%
165	11.992	11.948	12.014	VV	280	5051	0.05%	0.003%
166	12.052	12.014	12.090	VV	316	8416	0.09%	0.005%
167	12.105	12.090	12.132	VV	238	3929	0.04%	0.002%
168	12.157	12.132	12.204	VV	313	4887	0.05%	0.003%
169	12.216	12.204	12.234	VV	147	1653	0.02%	0.001%
170	12.306	12.234	12.380	VV	22419	292516	3.16%	0.158%
171	12.392	12.380	12.474	VV	1482	54347	0.59%	0.029%
172	12.489	12.474	12.501	VV	692	10476	0.11%	0.006%
173	12.542	12.501	12.604	VV	2428	60233	0.65%	0.033%
174	12.639	12.604	12.668	VV	677	17261	0.19%	0.009%
175	12.704	12.668	12.735	VV	387493	4484628	48.42%	2.422%
176	12.772	12.735	12.844	VV	436475	5182173	55.96%	2.799%
177	12.856	12.844	12.878	VV	232	4096	0.04%	0.002%
178	12.882	12.878	12.891	VV	222	1396	0.02%	0.001%
179	12.908	12.891	12.924	VV	257	4187	0.05%	0.002%
180	12.954	12.924	12.992	VV	5602	68894	0.74%	0.037%
181	13.001	12.992	13.022	VV	327	5475	0.06%	0.003%
182	13.072	13.022	13.101	VV	456659	5072770	54.78%	2.740%
183	13.147	13.101	13.181	VV	194414	2283985	24.66%	1.233%
184	13.190	13.181	13.221	VV	383	7270	0.08%	0.004%
185	13.262	13.221	13.276	VV	474	11577	0.13%	0.006%
186	13.315	13.276	13.394	VV	363275	4293864	46.36%	2.319%
187	13.402	13.394	13.414	VV	280	2894	0.03%	0.002%
188	13.437	13.414	13.462	VV	375	7770	0.08%	0.004%
189	13.505	13.462	13.528	VV	847	20475	0.22%	0.011%
190	13.552	13.528	13.567	VV	717	14833	0.16%	0.008%
191	13.604	13.567	13.645	VV	785	32256	0.35%	0.017%
192	13.655	13.645	13.669	VV	673	9273	0.10%	0.005%
193	13.690	13.669	13.716	VV	878	19919	0.22%	0.011%
194	13.740	13.716	13.783	VV	1079	28904	0.31%	0.016%

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195	13.795	13.783	13.825	VV	552	12325	0.13%	0.007%
196	13.850	13.825	13.865	VV	1021	17261	0.19%	0.009%
197	13.902	13.865	14.003	VV	358627	4290655	46.33%	2.317%
198	14.029	14.003	14.053	VV	1522	23960	0.26%	0.013%
199	14.077	14.053	14.096	VV	895	14417	0.16%	0.008%
200	14.124	14.096	14.177	VV	558	22235	0.24%	0.012%
201	14.188	14.177	14.204	VV	493	7407	0.08%	0.004%
202	14.215	14.204	14.239	VV	515	9407	0.10%	0.005%
203	14.256	14.239	14.267	VV	592	8696	0.09%	0.005%
204	14.291	14.267	14.318	VV	1125	24200	0.26%	0.013%
205	14.337	14.318	14.365	VV	956	20124	0.22%	0.011%
206	14.399	14.365	14.429	VV	680	22141	0.24%	0.012%
207	14.471	14.429	14.494	VV	1754	36378	0.39%	0.020%
208	14.520	14.494	14.554	VV	8358	118131	1.28%	0.064%
209	14.563	14.554	14.591	VV	906	17530	0.19%	0.009%
210	14.595	14.591	14.610	VV	801	8189	0.09%	0.004%
211	14.630	14.610	14.658	VV	701	18104	0.20%	0.010%
212	14.684	14.658	14.725	VV	995	29543	0.32%	0.016%
213	14.753	14.725	14.788	VV	738	24502	0.26%	0.013%
214	14.804	14.788	14.813	VV	610	8189	0.09%	0.004%
215	14.853	14.813	14.881	VV	1011	30904	0.33%	0.017%
216	14.954	14.881	14.973	VV	389351	5090031	54.96%	2.749%
217	15.000	14.973	15.121	VV	666654	9261079	100.00%	5.001%
218	15.138	15.121	15.164	VV	774	19534	0.21%	0.011%
219	15.184	15.164	15.286	VV	1887	69557	0.75%	0.038%
220	15.296	15.286	15.324	VV	779	15342	0.17%	0.008%
221	15.380	15.324	15.474	VV	15976	279416	3.02%	0.151%
222	15.481	15.474	15.499	VV	789	10878	0.12%	0.006%
223	15.524	15.499	15.561	VV	1384	36207	0.39%	0.020%
224	15.605	15.561	15.640	VV	2055	47503	0.51%	0.026%
225	15.658	15.640	15.703	VV	581	17903	0.19%	0.010%
226	15.710	15.703	15.737	VV	502	9155	0.10%	0.005%
227	15.767	15.737	15.834	VV	541	27676	0.30%	0.015%
228	15.860	15.834	15.880	VV	1382	22188	0.24%	0.012%
229	15.904	15.880	15.971	VV	789	28858	0.31%	0.016%
230	16.030	15.971	16.073	VV	336741	4249345	45.88%	2.295%
231	16.090	16.073	16.121	VV	481	10479	0.11%	0.006%
232	16.134	16.121	16.180	VV	314	8717	0.09%	0.005%
233	16.198	16.180	16.214	VV	567	7790	0.08%	0.004%
234	16.234	16.214	16.294	VV	1035	19145	0.21%	0.010%
235	16.331	16.294	16.348	VV	311	6654	0.07%	0.004%
236	16.396	16.348	16.448	VV	3905	70379	0.76%	0.038%
237	16.514	16.448	16.529	VV	364874	5249750	56.69%	2.835%
238	16.549	16.529	16.578	VV	434546	5190057	56.04%	2.803%
239	16.592	16.578	16.630	VV	1499	27236	0.29%	0.015%
240	16.643	16.630	16.674	VV	408	9953	0.11%	0.005%
241	16.691	16.674	16.724	VV	387	9743	0.11%	0.005%
242	16.757	16.724	16.801	VV	2782	44624	0.48%	0.024%
243	16.838	16.801	16.844	VV	344	7229	0.08%	0.004%
244	16.896	16.844	16.932	VV	394518	5061230	54.65%	2.733%
245	16.980	16.932	17.018	VV	331634	4335399	46.81%	2.341%
246	17.029	17.018	17.044	VV	585	7764	0.08%	0.004%

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247	17.054	17.044	17.124	VV	607	11977	0.13%	0.006%
248	17.179	17.124	17.216	PV	188	4467	0.05%	0.002%
249	17.226	17.216	17.291	VV	137	3558	0.04%	0.002%
250	17.342	17.291	17.388	VV	1248	25363	0.27%	0.014%
251	17.427	17.388	17.484	VV	1868	32308	0.35%	0.017%
252	17.514	17.484	17.568	PV	417	8798	0.09%	0.005%
253	17.587	17.568	17.631	VV	173	3742	0.04%	0.002%
254	17.649	17.631	17.686	VV	150	2556	0.03%	0.001%
255	17.759	17.686	17.789	PV	3530	54552	0.59%	0.029%
256	17.871	17.789	17.928	VV	315524	4351310	46.98%	2.350%
257	17.957	17.928	17.989	VV	1024	14863	0.16%	0.008%
258	18.054	17.989	18.068	PV	121	3317	0.04%	0.002%
259	18.111	18.068	18.173	VV	444	7344	0.08%	0.004%
260	18.271	18.173	18.286	PV	363290	5562794	60.07%	3.004%
261	18.309	18.286	18.364	VV	349355	4990915	53.89%	2.695%
262	18.381	18.364	18.454	VV	793	24993	0.27%	0.013%
263	18.464	18.454	18.473	VV	262	2520	0.03%	0.001%
264	18.530	18.473	18.620	VV	354067	5085305	54.91%	2.746%
265	18.642	18.620	18.658	VV	518	8684	0.09%	0.005%
266	18.704	18.658	18.754	VV	295650	4350702	46.98%	2.350%
267	18.788	18.754	18.848	VV	1146	32123	0.35%	0.017%
268	18.859	18.848	18.928	VV	554	11678	0.13%	0.006%
269	18.980	18.928	19.021	VV	425	11598	0.13%	0.006%
270	19.052	19.021	19.081	VV	4712	89275	0.96%	0.048%
271	19.099	19.081	19.157	VV	2380	58223	0.63%	0.031%
272	19.185	19.157	19.219	VV	611	18200	0.20%	0.010%
273	19.266	19.219	19.278	VV	536	16187	0.17%	0.009%
274	19.288	19.278	19.318	VV	473	9811	0.11%	0.005%
275	19.351	19.318	19.372	VV	637	14290	0.15%	0.008%
276	19.399	19.372	19.428	VV	522	13597	0.15%	0.007%
277	19.488	19.428	19.533	VV	296737	4436297	47.90%	2.396%
278	19.563	19.533	19.573	VV	939	18587	0.20%	0.010%
279	19.592	19.573	19.623	VV	1180	26241	0.28%	0.014%
280	19.663	19.623	19.694	VV	1144	36561	0.39%	0.020%
281	19.775	19.694	19.801	VV	1168	53335	0.58%	0.029%
282	19.859	19.801	19.911	VV	2518	105076	1.13%	0.057%
283	19.913	19.911	19.930	VV	1150	11658	0.13%	0.006%
284	19.961	19.930	19.980	VV	1294	34213	0.37%	0.018%
285	20.025	19.980	20.051	VV	1532	54823	0.59%	0.030%
286	20.089	20.051	20.111	VV	2198	63966	0.69%	0.035%
287	20.133	20.111	20.165	VV	2792	69821	0.75%	0.038%
288	20.229	20.165	20.294	VV	291011	4401393	47.53%	2.377%
289	20.309	20.294	20.314	VV	1896	21108	0.23%	0.011%
290	20.367	20.314	20.434	VV	4428	180454	1.95%	0.097%
291	20.471	20.434	20.493	VV	2324	73762	0.80%	0.040%
292	20.576	20.493	20.738	VV	5708	485253	5.24%	0.262%
293	20.784	20.738	20.948	VV	2044	228402	2.47%	0.123%
294	21.006	20.948	21.105	VV	234191	4386405	47.36%	2.369%
295	21.113	21.105	21.144	VV	1590	34662	0.37%	0.019%
296	21.153	21.144	21.294	VV	1464	113770	1.23%	0.061%
297	21.323	21.294	21.421	VV	1159	79688	0.86%	0.043%
298	21.456	21.421	21.546	VV	1438	76444	0.83%	0.041%
299	21.564	21.546	21.572	VV	782	11725	0.13%	0.006%

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300	21.584	21.572	21.611	VV	782	17314	0.19%	0.009%
301	21.614	21.611	21.663	VV	738	20243	0.22%	0.011%
302	21.682	21.663	21.711	VV	692	17838	0.19%	0.010%
303	21.718	21.711	21.767	VV	645	17395	0.19%	0.009%
304	21.804	21.767	21.891	VV	609	32913	0.36%	0.018%
305	21.902	21.891	21.911	VV	348	3521	0.04%	0.002%
306	21.983	21.911	22.081	VV	170572	4220659	45.57%	2.279%
307	22.090	22.081	22.099	VV	181	1317	0.01%	0.001%
308	22.106	22.099	22.113	VV	143	717	0.01%	0.000%
309	22.124	22.113	22.151	VV	111	1328	0.01%	0.001%

Sum of corrected areas: 185167346

Aliphatic EPH 040925.M Mon May 05 12:00:54 2025

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

Manual Integration Report

Sequence:	FC040925AL	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:	FC050225AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068748.D	n-Octatriacontane (C38)	yogesh	5/5/2025 11:56:48 AM	mohammad	5/6/2025 4:46:17	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FC050525AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1937-02	FC068770.D	1-chlorooctadecane (SURR)	yogesh	5/6/2025 9:19:48 AM	mohammad	5/7/2025 6:08:25	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068778.D	n-Octadecane (C18)	yogesh	5/6/2025 9:19:50 AM	mohammad	5/7/2025 6:08:25	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FE041725AL	Instrument	FID_e

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:	FE050225AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE053618.D	n-Tetracontane (C40)	yogesh	5/5/2025 8:40:13 AM	mohammad	5/6/2025 4:47:23	Peak Integrated by Software
Q1932-03	FE053620.D	ortho-Terphenyl (SURR)	yogesh	5/5/2025 8:40:15 AM	mohammad	5/6/2025 4:47:49	Peak Integrated by Software
Q1932-05	FE053621.D	ortho-Terphenyl (SURR)	yogesh	5/5/2025 8:40:16 AM	mohammad	5/6/2025 4:47:30	Peak Integrated by Software
Q1933-02	FE053624.D	ortho-Terphenyl (SURR)	yogesh	5/5/2025 8:40:18 AM	mohammad	5/6/2025 4:47:32	Peak Integrated by Software
Q1935-06	FE053628.D	ortho-Terphenyl (SURR)	yogesh	5/5/2025 8:40:19 AM	mohammad	5/6/2025 4:47:35	Peak Integrated by Software

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Manual Integration Report

Sequence:	FE050525AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FE053636.D	n-Octatriacontane (C38)	yogesh	5/6/2025 8:03:06 AM	mohammad	5/7/2025 6:08:32	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053636.D	n-Tetracontane (C40)	yogesh	5/6/2025 8:03:06 AM	mohammad	5/7/2025 6:08:32	Peak Integrated by Software
Q1932-03DL	FE053638.D	ortho-Terphenyl (SURR)	yogesh	5/6/2025 8:03:08 AM	mohammad	5/7/2025 6:08:32	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE053658.D	n-Tetracontane (C40)	yogesh	5/6/2025 8:03:10 AM	mohammad	5/7/2025 6:08:32	Peak Integrated by Software

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC040925AL

Review By	yogesh	Review On	4/8/2025 3:04:36 PM		
Supervise By	mohammad	Supervise On	4/10/2025 5:31:03 AM		
SubDirectory	FC040925AL	HP Acquire Method		HP Processing Method	FC040925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068513.D	08 Apr 2025 13:05	YP/AJ	Ok
2	I.BLK	FC068514.D	08 Apr 2025 13:42	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068515.D	08 Apr 2025 14:19	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068516.D	08 Apr 2025 14:56	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068517.D	08 Apr 2025 15:34	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068518.D	08 Apr 2025 16:12	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068519.D	08 Apr 2025 16:48	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC068520.D	08 Apr 2025 17:26	YP/AJ	Ok
9	I.BLK	FC068521.D	08 Apr 2025 18:41	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068522.D	08 Apr 2025 19:18	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC050225AL

Review By	yogesh	Review On	5/2/2025 10:00:15 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:46:28 AM		
SubDirectory	FC050225AL	HP Acquire Method		HP Processing Method	FC040925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068740.D	02 May 2025 09:42	YP/AJ	Ok
2	I.BLK	FC068741.D	02 May 2025 10:17	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068742.D	02 May 2025 10:53	YP/AJ	Ok
4	PB167840BL	FC068743.D	02 May 2025 11:36	YP/AJ	Ok
5	PB167840BS	FC068744.D	02 May 2025 13:26	YP/AJ	Ok
6	PB167840BSD	FC068745.D	02 May 2025 14:03	YP/AJ	Ok
7	Q1901-06	FC068746.D	02 May 2025 14:40	YP/AJ	Ok
8	I.BLK	FC068747.D	02 May 2025 15:18	YP/AJ	Ok
9	20 PPM ALIPHATIC HC STD	FC068748.D	02 May 2025 15:56	YP/AJ	Ok,M
10	PB167833BL	FC068749.D	02 May 2025 16:33	YP/AJ	Ok
11	PB167833BS	FC068750.D	02 May 2025 17:11	YP/AJ	Ok
12	PB167833BSD	FC068751.D	02 May 2025 17:49	YP/AJ	Ok
13	Q1928-01	FC068752.D	02 May 2025 18:27	YP/AJ	Ok
14	Q1928-01D	FC068753.D	02 May 2025 19:05	YP/AJ	Ok
15	Q1928-01MS	FC068754.D	02 May 2025 19:42	YP/AJ	Ok
16	Q1928-01MSD	FC068755.D	02 May 2025 20:19	YP/AJ	Ok
17	Q1928-02	FC068756.D	02 May 2025 20:57	YP/AJ	ReRun
18	I.BLK	FC068757.D	02 May 2025 22:11	YP/AJ	Ok
19	20 PPM ALIPHATIC HC STD	FC068758.D	02 May 2025 22:47	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC050525AL

Review By	yogesh	Review On	5/5/2025 11:42:23 AM		
Supervise By	mohammad	Supervise On	5/7/2025 6:08:25 AM		
SubDirectory	FC050525AL	HP Acquire Method		HP Processing Method	FC040925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068759.D	05 May 2025 08:59	YP/AJ	Ok
2	I.BLK	FC068760.D	05 May 2025 09:35	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068761.D	05 May 2025 10:11	YP/AJ	Ok
4	Q1935-02	FC068762.D	05 May 2025 10:48	YP/AJ	Ok
5	Q1928-02	FC068763.D	05 May 2025 11:24	YP/AJ	Ok
6	Q1939-01	FC068764.D	05 May 2025 12:00	YP/AJ	Ok
7	I.BLK	FC068765.D	05 May 2025 12:36	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD	FC068766.D	05 May 2025 13:13	YP/AJ	Ok
9	PB167855BL	FC068767.D	05 May 2025 13:49	YP/AJ	Ok
10	PB167855BS	FC068768.D	05 May 2025 14:26	YP/AJ	Ok
11	PB167855BSD	FC068769.D	05 May 2025 15:02	YP/AJ	Ok
12	Q1937-02	FC068770.D	05 May 2025 15:38	YP/AJ	Ok,M
13	Q1937-02D	FC068771.D	05 May 2025 16:15	YP/AJ	Ok
14	Q1937-02MS	FC068772.D	05 May 2025 16:51	YP/AJ	Ok
15	Q1937-02MSD	FC068773.D	05 May 2025 17:27	YP/AJ	Ok
16	Q1937-04	FC068774.D	05 May 2025 18:04	YP/AJ	Ok
17	Q1937-06	FC068775.D	05 May 2025 18:40	YP/AJ	Ok
18	Q1937-08	FC068776.D	05 May 2025 19:17	YP/AJ	Ok
19	I.BLK	FC068777.D	05 May 2025 20:30	YP/AJ	Ok
20	20 PPM ALIPHATIC HC STD	FC068778.D	05 May 2025 21:06	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE041725AL

Review By	yogesh	Review On	4/16/2025 2:56:14 PM		
Supervise By	mohammad	Supervise On	4/18/2025 1:20:00 AM		
SubDirectory	FE041725AL	HP Acquire Method		HP Processing Method	FE041725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE053385.D	16 Apr 2025 14:34	YP\AJ	Ok
2	I.BLK	FE053386.D	16 Apr 2025 15:04	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE053387.D	16 Apr 2025 15:35	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE053388.D	16 Apr 2025 16:35	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE053389.D	16 Apr 2025 17:05	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE053390.D	16 Apr 2025 17:36	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE053391.D	16 Apr 2025 18:06	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE053392.D	16 Apr 2025 18:36	YP\AJ	Ok
9	I.BLK	FE053393.D	16 Apr 2025 19:36	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE053394.D	16 Apr 2025 20:06	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE050225AL

Review By	yogesh	Review On	5/2/2025 10:03:08 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:48:01 AM		
SubDirectory	FE050225AL	HP Acquire Method		HP Processing Method	FE041725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE053616.D	02 May 2025 08:40	YP\AJ	Ok
2	I.BLK	FE053617.D	02 May 2025 09:10	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE053618.D	02 May 2025 10:11	YP\AJ	Ok,M
4	Q1932-01	FE053619.D	02 May 2025 13:52	YP\AJ	Ok
5	Q1932-03	FE053620.D	02 May 2025 14:22	YP\AJ	Dilution
6	Q1932-05	FE053621.D	02 May 2025 14:53	YP\AJ	Ok,M
7	Q1932-07	FE053622.D	02 May 2025 15:23	YP\AJ	Ok
8	Q1933-01	FE053623.D	02 May 2025 15:53	YP\AJ	Ok
9	Q1933-02	FE053624.D	02 May 2025 16:23	YP\AJ	Ok,M
10	Q1935-01	FE053625.D	02 May 2025 16:53	YP\AJ	Ok
11	Q1935-02	FE053626.D	02 May 2025 17:24	YP\AJ	ReRun
12	Q1935-05	FE053627.D	02 May 2025 17:54	YP\AJ	Ok
13	Q1935-06	FE053628.D	02 May 2025 18:24	YP\AJ	Ok,M
14	Q1939-01	FE053629.D	02 May 2025 18:54	YP\AJ	ReRun
15	Q1939-03	FE053630.D	02 May 2025 19:24	YP\AJ	Ok
16	Q1939-05	FE053631.D	02 May 2025 19:55	YP\AJ	ReRun
17	I.BLK	FE053632.D	02 May 2025 20:55	YP\AJ	Ok
18	20 PPM ALIPHATIC HC STD	FE053633.D	02 May 2025 21:25	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE050525AL

Review By	yogesh	Review On	5/5/2025 11:43:54 AM		
Supervise By	mohammad	Supervise On	5/7/2025 6:08:32 AM		
SubDirectory	FE050525AL	HP Acquire Method		HP Processing Method	FE041725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE053634.D	05 May 2025 09:10	YP\AJ	Ok
2	I.BLK	FE053635.D	05 May 2025 09:40	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE053636.D	05 May 2025 11:14	YP\AJ	Ok,M
4	Q1939-05	FE053637.D	05 May 2025 11:44	YP\AJ	Ok
5	Q1932-03DL	FE053638.D	05 May 2025 12:14	YP\AJ	Not Ok
6	I.BLK	FE053639.D	05 May 2025 13:14	YP\AJ	Ok
7	20 PPM ALIPHATIC HC STD	FE053640.D	05 May 2025 13:44	YP\AJ	Ok
8	Q1936-02	FE053641.D	05 May 2025 14:14	YP\AJ	Ok
9	Q1936-04	FE053642.D	05 May 2025 14:45	YP\AJ	Ok
10	Q1936-06	FE053643.D	05 May 2025 15:14	YP\AJ	Ok
11	Q1936-08	FE053644.D	05 May 2025 15:45	YP\AJ	Ok
12	Q1937-10	FE053645.D	05 May 2025 16:15	YP\AJ	Ok
13	Q1937-12	FE053646.D	05 May 2025 16:45	YP\AJ	Ok
14	Q1938-02	FE053647.D	05 May 2025 17:16	YP\AJ	Ok
15	Q1938-04	FE053648.D	05 May 2025 17:46	YP\AJ	Ok
16	Q1938-06	FE053649.D	05 May 2025 18:16	YP\AJ	Ok
17	Q1938-08	FE053650.D	05 May 2025 18:46	YP\AJ	Ok
18	Q1946-01	FE053651.D	05 May 2025 19:16	YP\AJ	Ok
19	Q1946-02	FE053652.D	05 May 2025 19:46	YP\AJ	Ok
20	Q1947-01	FE053653.D	05 May 2025 20:16	YP\AJ	Ok
21	Q1947-02	FE053654.D	05 May 2025 20:47	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE050525AL

Review By	yogesh	Review On	5/5/2025 11:43:54 AM		
Supervise By	mohammad	Supervise On	5/7/2025 6:08:32 AM		
SubDirectory	FE050525AL	HP Acquire Method		HP Processing Method	FE041725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1947-05	FE053655.D	05 May 2025 21:17	YP\AJ	Ok
23	Q1947-06	FE053656.D	05 May 2025 21:47	YP\AJ	Ok
24	I.BLK	FE053657.D	05 May 2025 22:47	YP\AJ	Ok
25	20 PPM ALIPHATIC HC STD	FE053658.D	05 May 2025 23:18	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC040925AL

Review By	yogesh	Review On	4/8/2025 3:04:36 PM		
Supervise By	mohammad	Supervise On	4/10/2025 5:31:03 AM		
SubDirectory	FC040925AL	HP Acquire Method		HP Processing Method	FC040925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068513.D	08 Apr 2025 13:05		YP/AJ	Ok
2	I.BLK	I.BLK	FC068514.D	08 Apr 2025 13:42		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC068515.D	08 Apr 2025 14:19		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068516.D	08 Apr 2025 14:56		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068517.D	08 Apr 2025 15:34		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068518.D	08 Apr 2025 16:12		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068519.D	08 Apr 2025 16:48		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068520.D	08 Apr 2025 17:26		YP/AJ	Ok
9	I.BLK	I.BLK	FC068521.D	08 Apr 2025 18:41		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068522.D	08 Apr 2025 19:18		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC050225AL

Review By	yogesh	Review On	5/2/2025 10:00:15 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:46:28 AM		
SubDirectory	FC050225AL	HP Acquire Method		HP Processing Method	FC040925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068740.D	02 May 2025 09:42		YP/AJ	Ok
2	I.BLK	I.BLK	FC068741.D	02 May 2025 10:17		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068742.D	02 May 2025 10:53		YP/AJ	Ok
4	PB167840BL	PB167840BL	FC068743.D	02 May 2025 11:36		YP/AJ	Ok
5	PB167840BS	PB167840BS	FC068744.D	02 May 2025 13:26	naphthalene break down - 0.194, 2-methylnephthalene break down - 0.352	YP/AJ	Ok
6	PB167840BSD	PB167840BSD	FC068745.D	02 May 2025 14:03	naphthalene break down - 0.194, 2-methylnephthalene break down - 0.331	YP/AJ	Ok
7	Q1901-06	FB04262025	FC068746.D	02 May 2025 14:40		YP/AJ	Ok
8	I.BLK	I.BLK	FC068747.D	02 May 2025 15:18		YP/AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068748.D	02 May 2025 15:56		YP/AJ	Ok,M
10	PB167833BL	PB167833BL	FC068749.D	02 May 2025 16:33		YP/AJ	Ok
11	PB167833BS	PB167833BS	FC068750.D	02 May 2025 17:11		YP/AJ	Ok
12	PB167833BSD	PB167833BSD	FC068751.D	02 May 2025 17:49		YP/AJ	Ok
13	Q1928-01	MH-Q	FC068752.D	02 May 2025 18:27		YP/AJ	Ok
14	Q1928-01D	Q1928-01D	FC068753.D	02 May 2025 19:05		YP/AJ	Ok
15	Q1928-01MS	MH-QMS	FC068754.D	02 May 2025 19:42	FC068752.D	YP/AJ	Ok
16	Q1928-01MSD	MH-QMSD	FC068755.D	02 May 2025 20:19	FC068752.D!FC068754.D	YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC050225AL

Review By	yogesh	Review On	5/2/2025 10:00:15 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:46:28 AM		
SubDirectory	FC050225AL	HP Acquire Method		HP Processing Method	FC040925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	Q1928-02	MH-Q-EPH	FC068756.D	02 May 2025 20:57	Surrogate Fail	YP/AJ	ReRun
18	I.BLK	I.BLK	FC068757.D	02 May 2025 22:11		YP/AJ	Ok
19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068758.D	02 May 2025 22:47		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC050525AL

Review By	yogesh	Review On	5/5/2025 11:42:23 AM		
Supervise By	mohammad	Supervise On	5/7/2025 6:08:25 AM		
SubDirectory	FC050525AL	HP Acquire Method		HP Processing Method	FC040925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068759.D	05 May 2025 08:59		YP/AJ	Ok
2	I.BLK	I.BLK	FC068760.D	05 May 2025 09:35		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068761.D	05 May 2025 10:11		YP/AJ	Ok
4	Q1935-02	MH-NN-EPH	FC068762.D	05 May 2025 10:48		YP/AJ	Ok
5	Q1928-02	MH-Q-EPH	FC068763.D	05 May 2025 11:24		YP/AJ	Ok
6	Q1939-01	GB1	FC068764.D	05 May 2025 12:00		YP/AJ	Ok
7	I.BLK	I.BLK	FC068765.D	05 May 2025 12:36		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068766.D	05 May 2025 13:13		YP/AJ	Ok
9	PB167855BL	PB167855BL	FC068767.D	05 May 2025 13:49		YP/AJ	Ok
10	PB167855BS	PB167855BS	FC068768.D	05 May 2025 14:26		YP/AJ	Ok
11	PB167855BSD	PB167855BSD	FC068769.D	05 May 2025 15:02		YP/AJ	Ok
12	Q1937-02	LARGE-PILE-A	FC068770.D	05 May 2025 15:38		YP/AJ	Ok,M
13	Q1937-02D	Q1937-02D	FC068771.D	05 May 2025 16:15		YP/AJ	Ok
14	Q1937-02MS	LARGE-PILE-AMS	FC068772.D	05 May 2025 16:51	FC068770.D	YP/AJ	Ok
15	Q1937-02MSD	LARGE-PILE-AMSD	FC068773.D	05 May 2025 17:27	FC068770.D!FC068772.D	YP/AJ	Ok
16	Q1937-04	LARGE-PILE-B	FC068774.D	05 May 2025 18:04		YP/AJ	Ok
17	Q1937-06	LARGE-PILE-C	FC068775.D	05 May 2025 18:40		YP/AJ	Ok
18	Q1937-08	LARGE-PILE-D	FC068776.D	05 May 2025 19:17		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC050525AL

Review By	yogesh	Review On	5/5/2025 11:42:23 AM		
Supervise By	mohammad	Supervise On	5/7/2025 6:08:25 AM		
SubDirectory	FC050525AL	HP Acquire Method		HP Processing Method	FC040925AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	I.BLK	I.BLK	FC068777.D	05 May 2025 20:30		YP/AJ	Ok
20	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068778.D	05 May 2025 21:06		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE041725AL

Review By	yogesh	Review On	4/16/2025 2:56:14 PM		
Supervise By	mohammad	Supervise On	4/18/2025 1:20:00 AM		
SubDirectory	FE041725AL	HP Acquire Method		HP Processing Method	FE041725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE053385.D	16 Apr 2025 14:34		YP\AJ	Ok
2	I.BLK	I.BLK	FE053386.D	16 Apr 2025 15:04		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE053387.D	16 Apr 2025 15:35		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE053388.D	16 Apr 2025 16:35		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053389.D	16 Apr 2025 17:05		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE053390.D	16 Apr 2025 17:36		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE053391.D	16 Apr 2025 18:06		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053392.D	16 Apr 2025 18:36		YP\AJ	Ok
9	I.BLK	I.BLK	FE053393.D	16 Apr 2025 19:36		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053394.D	16 Apr 2025 20:06		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE050225AL

Review By	yogesh	Review On	5/2/2025 10:03:08 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:48:01 AM		
SubDirectory	FE050225AL	HP Acquire Method		HP Processing Method	FE041725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE053616.D	02 May 2025 08:40		YP\AJ	Ok
2	I.BLK	I.BLK	FE053617.D	02 May 2025 09:10		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053618.D	02 May 2025 10:11		YP\AJ	Ok,M
4	Q1932-01	COMP-4	FE053619.D	02 May 2025 13:52		YP\AJ	Ok
5	Q1932-03	COMP-5	FE053620.D	02 May 2025 14:22	need 5x dilution	YP\AJ	Dilution
6	Q1932-05	COMP-6	FE053621.D	02 May 2025 14:53		YP\AJ	Ok,M
7	Q1932-07	COMP-7	FE053622.D	02 May 2025 15:23		YP\AJ	Ok
8	Q1933-01	OK-01-050125	FE053623.D	02 May 2025 15:53		YP\AJ	Ok
9	Q1933-02	OK-01-050125-E2	FE053624.D	02 May 2025 16:23		YP\AJ	Ok,M
10	Q1935-01	MH-NN	FE053625.D	02 May 2025 16:53		YP\AJ	Ok
11	Q1935-02	MH-NN-EPH	FE053626.D	02 May 2025 17:24	Surr Fail	YP\AJ	ReRun
12	Q1935-05	MH-MM	FE053627.D	02 May 2025 17:54		YP\AJ	Ok
13	Q1935-06	MH-MM-EPH	FE053628.D	02 May 2025 18:24		YP\AJ	Ok,M
14	Q1939-01	Q1939-01	FE053629.D	02 May 2025 18:54	Surr Fail	YP\AJ	ReRun
15	Q1939-03	GB2	FE053630.D	02 May 2025 19:24		YP\AJ	Ok
16	Q1939-05	Q1939-05	FE053631.D	02 May 2025 19:55	Surr Fail	YP\AJ	ReRun
17	I.BLK	I.BLK	FE053632.D	02 May 2025 20:55		YP\AJ	Ok
18	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053633.D	02 May 2025 21:25		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE050225AL

Review By	yogesh	Review On	5/2/2025 10:03:08 AM		
Supervise By	mohammad	Supervise On	5/6/2025 4:48:01 AM		
SubDirectory	FE050225AL	HP Acquire Method		HP Processing Method	FE041725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE050525AL

Review By	yogesh	Review On	5/5/2025 11:43:54 AM		
Supervise By	mohammad	Supervise On	5/7/2025 6:08:32 AM		
SubDirectory	FE050525AL	HP Acquire Method		HP Processing Method	FE041725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE053634.D	05 May 2025 09:10		YP\AJ	Ok
2	I.BLK	I.BLK	FE053635.D	05 May 2025 09:40		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053636.D	05 May 2025 11:14		YP\AJ	Ok,M
4	Q1939-05	GB3	FE053637.D	05 May 2025 11:44		YP\AJ	Ok
5	Q1932-03DL	COMP-5DL	FE053638.D	05 May 2025 12:14	Look like original	YP\AJ	Not Ok
6	I.BLK	I.BLK	FE053639.D	05 May 2025 13:14		YP\AJ	Ok
7	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053640.D	05 May 2025 13:44		YP\AJ	Ok
8	Q1936-02	SMALL-PILE-A	FE053641.D	05 May 2025 14:14		YP\AJ	Ok
9	Q1936-04	SMALL-PILE-B	FE053642.D	05 May 2025 14:45		YP\AJ	Ok
10	Q1936-06	SMALL-PILE-C	FE053643.D	05 May 2025 15:14		YP\AJ	Ok
11	Q1936-08	SMALL-PILE-D	FE053644.D	05 May 2025 15:45		YP\AJ	Ok
12	Q1937-10	LARGE-PILE-E	FE053645.D	05 May 2025 16:15		YP\AJ	Ok
13	Q1937-12	LARGE-PILE-F	FE053646.D	05 May 2025 16:45		YP\AJ	Ok
14	Q1938-02	LOWER-WALL-PILE-A	FE053647.D	05 May 2025 17:16		YP\AJ	Ok
15	Q1938-04	LOWER-WALL-PILE-B	FE053648.D	05 May 2025 17:46		YP\AJ	Ok
16	Q1938-06	LOWER-WALL-PILE-C	FE053649.D	05 May 2025 18:16		YP\AJ	Ok
17	Q1938-08	LOWER-WALL-PILE-D	FE053650.D	05 May 2025 18:46		YP\AJ	Ok
18	Q1946-01	BB-CONCRETE	FE053651.D	05 May 2025 19:16		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE050525AL

Review By	yogesh	Review On	5/5/2025 11:43:54 AM		
Supervise By	mohammad	Supervise On	5/7/2025 6:08:32 AM		
SubDirectory	FE050525AL	HP Acquire Method		HP Processing Method	FE041725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1946-02	BB-CONCRETE	FE053652.D	05 May 2025 19:46		YP\AJ	Ok
20	Q1947-01	MH-P	FE053653.D	05 May 2025 20:16		YP\AJ	Ok
21	Q1947-02	MH-P-EPH	FE053654.D	05 May 2025 20:47		YP\AJ	Ok
22	Q1947-05	MH-O	FE053655.D	05 May 2025 21:17		YP\AJ	Ok
23	Q1947-06	MH-O-EPH	FE053656.D	05 May 2025 21:47		YP\AJ	Ok
24	I.BLK	I.BLK	FE053657.D	05 May 2025 22:47		YP\AJ	Ok
25	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE053658.D	05 May 2025 23:18		YP\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167833

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RS

Filter By: EH

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 05/02/2025

Extraction Start Time : 09:15

Extraction End Date : 05/02/2025

Extraction End Time : 13:15

Concentration By: EH

Supervisor By : RUPESH

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	PP24462
Surrogate	1.0ML	100 PPM	PP24491
Fractionation Surrogate	1.0ML	100 PPM	PP24465
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	EP2600
Baked Na2SO4	N/A	EP2607
Sand	N/A	E2865
Hexane	N/A	E3928
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:

N/A

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/2/25	RS (EXT-bot)	Y-P.PESTHPSD.
13:20	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167833

Analytical Method: MNJDEP-EPH-7

Concentration Date: 05/02/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167833BL	PB167833BL	EPH_NF	30.01	N/A	RUPESH	Evelyn	2			U1-1
PB167833BS	PB167833BS	EPH_NF	30.02	N/A	RUPESH	Evelyn	2			2
PB167833BSD	PB167833BSD	EPH_NF	30.02	N/A	RUPESH	Evelyn	2			3
Q1928-01	MH-Q	EPH_NF	30.06	N/A	RUPESH	Evelyn	2	E		4
Q1928-01DUP	MH-QDUP	EPH_NF	30.05	N/A	RUPESH	Evelyn	2	E		5
Q1928-01MS	MH-QMS	EPH_NF	30.03	N/A	RUPESH	Evelyn	2	E		6
Q1928-01MSD	MH-QMSD	EPH_NF	30.08	N/A	RUPESH	Evelyn	2	E		U2-1
Q1928-02	MH-Q-EPH	EPH_NF	30.02	N/A	RUPESH	Evelyn	2			2
Q1932-01	COMP-4	EPH_NF	30.04	N/A	RUPESH	Evelyn	2	F		3
Q1932-03	COMP-5	EPH_NF	30.01	N/A	RUPESH	Evelyn	2	E		4
Q1932-05	COMP-6	EPH_NF	30.07	N/A	RUPESH	Evelyn	2	F		5
Q1932-07	COMP-7	EPH_NF	30.03	N/A	RUPESH	Evelyn	2	F		6
Q1933-01	OK-01-050125	EPH_NF	30.02	N/A	RUPESH	Evelyn	2	E		U3-1
Q1933-02	OK-01-050125-E2	EPH_NF	30.05	N/A	RUPESH	Evelyn	2			2
Q1935-01	MH-NN	EPH_NF	30.05	N/A	RUPESH	Evelyn	2	D		3
Q1935-02	MH-NN-EPH	EPH_NF	30.06	N/A	RUPESH	Evelyn	2			4
Q1935-05	MH-MM	EPH_NF	30.02	N/A	RUPESH	Evelyn	2	D		5
Q1935-06	MH-MM-EPH	EPH_NF	30.01	N/A	RUPESH	Evelyn	2			6
Q1939-01	GB1	EPH_NF	30.03	N/A	RUPESH	Evelyn	2	E		U6-1
Q1939-03	GB2	EPH_NF	30.07	N/A	RUPESH	Evelyn	2	E		2
Q1939-05	GB3	EPH_NF	30.04	N/A	RUPESH	Evelyn	2	E		3

RS 5/12

* **Extracts relinquished on the same date as received.**

Q1939 7833 9:15

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1933 **WorkList ID :** 189283 **Department :** Extraction **Date :** 05-02-2025 08:45:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1928-01	MH-Q	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/01/2025	NJEPH
Q1928-02	MH-Q-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/01/2025	NJEPH
Q1932-01	COMP-4	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/01/2025	NJEPH
Q1932-03	COMP-5	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/01/2025	NJEPH
Q1932-05	COMP-6	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/01/2025	NJEPH
Q1932-07	COMP-7	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/01/2025	NJEPH
Q1933-01	OK-01-050125	Solid	EPH_NF	Cool 4 deg C	PSEG05	L31	05/01/2025	NJEPH
Q1933-02	OK-01-050125-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	L31	05/01/2025	NJEPH
Q1935-01	MH-NN	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/01/2025	NJEPH
Q1935-02	MH-NN-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/01/2025	NJEPH
Q1935-05	MH-MM	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/01/2025	NJEPH
Q1935-06	MH-MM-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	L41	05/01/2025	NJEPH
Q1939-01	GB1	Solid	EPH_NF	Cool 4 deg C	GENV01	L51	05/01/2025	NJEPH
Q1939-03	GB2	Solid	EPH_NF	Cool 4 deg C	GENV01	L51	05/01/2025	NJEPH
Q1939-05	GB3	Solid	EPH_NF	Cool 4 deg C	GENV01	L51	05/01/2025	NJEPH

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Date/Time 5/2/25 9:10
Raw Sample Received by: RS (EXT-Lab)
Raw Sample Relinquished by: CR

Date/Time 5/2/25 9:40
Raw Sample Received by:
Raw Sample Relinquished by: RS (EXT-Lab)

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LAB CHRONICLE

OrderID:	Q1939	**OrderDate:**	5/1/2025 2:51:00 PM
Client:	G Environmental	**Project:**	Amsterdam
Contact:	Gary Landis	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1939-01	**GB1**	**Solid**			**05/01/25**			**05/01/25**
			EPH_NF	NJEPH		05/02/25	05/05/25	
Q1939-03	**GB2**	**Solid**			**05/01/25**			**05/01/25**
			EPH_NF	NJEPH		05/02/25	05/02/25	
Q1939-05	**GB3**	**Solid**			**05/01/25**			**05/01/25**
			EPH_NF	NJEPH		05/02/25	05/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1939 **Order ID:** Q1939

Client: G Environmental **Project ID:** Amsterdam

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : GB1								
Q1939-01	GB1	SOIL	Aluminum	8350		0.93	5.56	mg/Kg
Q1939-01	GB1	SOIL	Antimony	0.94	J	0.25	2.78	mg/Kg
Q1939-01	GB1	SOIL	Arsenic	142		0.21	1.11	mg/Kg
Q1939-01	GB1	SOIL	Barium	111		0.81	5.56	mg/Kg
Q1939-01	GB1	SOIL	Beryllium	0.69		0.028	0.33	mg/Kg
Q1939-01	GB1	SOIL	Cadmium	0.40		0.027	0.33	mg/Kg
Q1939-01	GB1	SOIL	Calcium	2750		12.3	111	mg/Kg
Q1939-01	GB1	SOIL	Chromium	77.6		0.052	0.56	mg/Kg
Q1939-01	GB1	SOIL	Cobalt	6.20		0.11	1.67	mg/Kg
Q1939-01	GB1	SOIL	Copper	62.8		0.25	1.11	mg/Kg
Q1939-01	GB1	SOIL	Iron	10900		4.44	5.56	mg/Kg
Q1939-01	GB1	SOIL	Lead	269		0.14	0.67	mg/Kg
Q1939-01	GB1	SOIL	Magnesium	2160		13.3	111	mg/Kg
Q1939-01	GB1	SOIL	Manganese	127		0.16	1.11	mg/Kg
Q1939-01	GB1	SOIL	Mercury	0.026		0.0080	0.014	mg/Kg
Q1939-01	GB1	SOIL	Nickel	28.7		0.14	2.22	mg/Kg
Q1939-01	GB1	SOIL	Potassium	493		30.8	111	mg/Kg
Q1939-01	GB1	SOIL	Silver	0.34	J	0.13	0.56	mg/Kg
Q1939-01	GB1	SOIL	Sodium	79.2	J	19.8	111	mg/Kg
Q1939-01	GB1	SOIL	Thallium	0.33	J	0.26	2.22	mg/Kg
Q1939-01	GB1	SOIL	Vanadium	17.1		0.28	2.22	mg/Kg
Q1939-01	GB1	SOIL	Zinc	287		0.26	2.22	mg/Kg
Client ID : GB2								
Q1939-03	GB2	SOIL	Aluminum	5130		0.89	5.30	mg/Kg
Q1939-03	GB2	SOIL	Arsenic	30.2		0.20	1.06	mg/Kg
Q1939-03	GB2	SOIL	Barium	84.1		0.77	5.30	mg/Kg
Q1939-03	GB2	SOIL	Beryllium	0.43		0.026	0.32	mg/Kg
Q1939-03	GB2	SOIL	Calcium	1570		11.8	106	mg/Kg
Q1939-03	GB2	SOIL	Chromium	20.5		0.050	0.53	mg/Kg
Q1939-03	GB2	SOIL	Cobalt	3.37		0.11	1.59	mg/Kg
Q1939-03	GB2	SOIL	Copper	1.25		0.23	1.06	mg/Kg
Q1939-03	GB2	SOIL	Iron	7710		4.23	5.30	mg/Kg
Q1939-03	GB2	SOIL	Lead	13.6		0.14	0.64	mg/Kg
Q1939-03	GB2	SOIL	Magnesium	1120		12.7	106	mg/Kg
Q1939-03	GB2	SOIL	Manganese	38.0		0.15	1.06	mg/Kg
Q1939-03	GB2	SOIL	Mercury	0.17		0.010	0.018	mg/Kg
Q1939-03	GB2	SOIL	Nickel	7.39		0.14	2.12	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1939 **Order ID:** Q1939

Client: G Environmental **Project ID:** Amsterdam

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1939-03	GB2	SOIL	Potassium	332		29.3	106	mg/Kg
Q1939-03	GB2	SOIL	Sodium	50.1	J	18.9	106	mg/Kg
Q1939-03	GB2	SOIL	Thallium	0.37	J	0.24	2.12	mg/Kg
Q1939-03	GB2	SOIL	Vanadium	18.8		0.27	2.12	mg/Kg
Q1939-03	GB2	SOIL	Zinc	22.7		0.24	2.12	mg/Kg
Client ID :	**GB3**							
Q1939-05	GB3	SOIL	Aluminum	3610		0.83	4.96	mg/Kg
Q1939-05	GB3	SOIL	Antimony	39.1		0.22	2.48	mg/Kg
Q1939-05	GB3	SOIL	Arsenic	1280		0.19	0.99	mg/Kg
Q1939-05	GB3	SOIL	Barium	84.2		0.72	4.96	mg/Kg
Q1939-05	GB3	SOIL	Beryllium	0.75		0.025	0.30	mg/Kg
Q1939-05	GB3	SOIL	Cadmium	4.60		0.024	0.30	mg/Kg
Q1939-05	GB3	SOIL	Calcium	3540		11.0	99.1	mg/Kg
Q1939-05	GB3	SOIL	Chromium	61.0		0.047	0.50	mg/Kg
Q1939-05	GB3	SOIL	Cobalt	6.40		0.099	1.49	mg/Kg
Q1939-05	GB3	SOIL	Copper	127		0.22	0.99	mg/Kg
Q1939-05	GB3	SOIL	Iron	29800		3.95	4.96	mg/Kg
Q1939-05	GB3	SOIL	Lead	4030		0.13	0.60	mg/Kg
Q1939-05	GB3	SOIL	Magnesium	1170		11.9	99.1	mg/Kg
Q1939-05	GB3	SOIL	Manganese	190		0.14	0.99	mg/Kg
Q1939-05	GB3	SOIL	Mercury	0.86	D	0.016	0.028	mg/Kg
Q1939-05	GB3	SOIL	Nickel	16.2		0.13	1.98	mg/Kg
Q1939-05	GB3	SOIL	Potassium	424		27.5	99.1	mg/Kg
Q1939-05	GB3	SOIL	Silver	0.32	J	0.12	0.50	mg/Kg
Q1939-05	GB3	SOIL	Sodium	40.6	J	17.6	99.1	mg/Kg
Q1939-05	GB3	SOIL	Thallium	2.26		0.23	1.98	mg/Kg
Q1939-05	GB3	SOIL	Vanadium	14.3		0.25	1.98	mg/Kg
Q1939-05	GB3	SOIL	Zinc	1260	D	1.14	9.91	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1	SDG No.:	Q1939
Lab Sample ID:	Q1939-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8350		1	0.93	5.56	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-36-0	Antimony	0.94	JN*	1	0.25	2.78	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-38-2	Arsenic	142		1	0.21	1.11	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-39-3	Barium	111	*	1	0.81	5.56	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-41-7	Beryllium	0.69		1	0.028	0.33	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-43-9	Cadmium	0.40		1	0.027	0.33	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-70-2	Calcium	2750		1	12.3	111	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-47-3	Chromium	77.6		1	0.052	0.56	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-48-4	Cobalt	6.20		1	0.11	1.67	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-50-8	Copper	62.8	N*	1	0.25	1.11	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7439-89-6	Iron	10900		1	4.44	5.56	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7439-92-1	Lead	269	*	1	0.14	0.67	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7439-95-4	Magnesium	2160		1	13.3	111	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7439-96-5	Manganese	127		1	0.16	1.11	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7439-97-6	Mercury	0.026	N	1	0.0080	0.014	mg/Kg	05/02/25 16:00	05/05/25 09:30	SW7471B	
7440-02-0	Nickel	28.7	*	1	0.14	2.22	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-09-7	Potassium	493	*	1	30.8	111	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7782-49-2	Selenium	0.29	U	1	0.29	1.11	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-22-4	Silver	0.34	J	1	0.13	0.56	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-23-5	Sodium	79.2	J	1	19.8	111	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-28-0	Thallium	0.33	J	1	0.26	2.22	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-62-2	Vanadium	17.1		1	0.28	2.22	mg/Kg	05/02/25 13:05	05/06/25 20:10	SW6010	SW3050
7440-66-6	Zinc	287		1	0.26	2.22	mg/Kg	05/02/25 13:05	05/06/25 20:10	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:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2	SDG No.:	Q1939
Lab Sample ID:	Q1939-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	78

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5130		1	0.89	5.30	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-36-0	Antimony	0.23	UN*	1	0.23	2.65	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-38-2	Arsenic	30.2		1	0.20	1.06	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-39-3	Barium	84.1	*	1	0.77	5.30	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-41-7	Beryllium	0.43		1	0.026	0.32	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.32	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-70-2	Calcium	1570		1	11.8	106	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-47-3	Chromium	20.5		1	0.050	0.53	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-48-4	Cobalt	3.37		1	0.11	1.59	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-50-8	Copper	1.25	N*	1	0.23	1.06	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7439-89-6	Iron	7710		1	4.23	5.30	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7439-92-1	Lead	13.6	*	1	0.14	0.64	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7439-95-4	Magnesium	1120		1	12.7	106	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7439-96-5	Manganese	38.0		1	0.15	1.06	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7439-97-6	Mercury	0.17	N	1	0.010	0.018	mg/Kg	05/02/25 16:00	05/05/25 09:33	SW7471B	
7440-02-0	Nickel	7.39	*	1	0.14	2.12	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-09-7	Potassium	332	*	1	29.3	106	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7782-49-2	Selenium	0.28	U	1	0.28	1.06	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-22-4	Silver	0.13	U	1	0.13	0.53	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-23-5	Sodium	50.1	J	1	18.9	106	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-28-0	Thallium	0.37	J	1	0.24	2.12	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-62-2	Vanadium	18.8		1	0.27	2.12	mg/Kg	05/02/25 13:05	05/06/25 20:14	SW6010	SW3050
7440-66-6	Zinc	22.7		1	0.24	2.12	mg/Kg	05/02/25 13:05	05/06/25 20:14	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
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OR = Over Range
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Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3	SDG No.:	Q1939
Lab Sample ID:	Q1939-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3610		1	0.83	4.96	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-36-0	Antimony	39.1	N*	1	0.22	2.48	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-38-2	Arsenic	1280		1	0.19	0.99	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-39-3	Barium	84.2	*	1	0.72	4.96	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-41-7	Beryllium	0.75		1	0.025	0.30	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-43-9	Cadmium	4.60		1	0.024	0.30	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-70-2	Calcium	3540		1	11.0	99.1	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-47-3	Chromium	61.0		1	0.047	0.50	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-48-4	Cobalt	6.40		1	0.099	1.49	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-50-8	Copper	127	N*	1	0.22	0.99	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7439-89-6	Iron	29800		1	3.95	4.96	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7439-92-1	Lead	4030	*	1	0.13	0.60	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7439-95-4	Magnesium	1170		1	11.9	99.1	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7439-96-5	Manganese	190		1	0.14	0.99	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7439-97-6	Mercury	0.86	DN	2	0.016	0.028	mg/Kg	05/02/25 16:00	05/05/25 09:54	SW7471B	
7440-02-0	Nickel	16.2	*	1	0.13	1.98	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-09-7	Potassium	424	*	1	27.5	99.1	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7782-49-2	Selenium	0.26	U	1	0.26	0.99	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-22-4	Silver	0.32	J	1	0.12	0.50	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-23-5	Sodium	40.6	J	1	17.6	99.1	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-28-0	Thallium	2.26		1	0.23	1.98	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-62-2	Vanadium	14.3		1	0.25	1.98	mg/Kg	05/02/25 13:05	05/06/25 19:49	SW6010	SW3050
7440-66-6	Zinc	1260	D	5	1.14	9.91	mg/Kg	05/02/25 13:05	05/07/25 14:22	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
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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB113	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	08:32	LB135655

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB67	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	08:37	LB135655
CCB68	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	09:12	LB135655
CCB69	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	09:44	LB135655
CCB70	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	10:01	LB135655

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/05/2025	14:41	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	14:41	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	14:41	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	14:41	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	14:41	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	14:41	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	14:41	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	14:41	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	14:41	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	14:41	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	14:41	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	14:41	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	14:41	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	14:41	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	14:41	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	14:41	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	14:41	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	14:41	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	14:41	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	14:41	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	14:41	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	14:41	LB135674

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/05/2025	15:26	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	15:26	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	15:26	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	15:26	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	15:26	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	15:26	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	15:26	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	15:26	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	15:26	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	15:26	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	15:26	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	15:26	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	15:26	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	15:26	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	15:26	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	15:26	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	15:26	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	15:26	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	15:26	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	15:26	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	15:26	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	15:26	LB135674
CCB02	Aluminum	100	+/-100	U	100	P	05/05/2025	16:12	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	16:12	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	16:12	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	16:12	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	16:12	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	16:12	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	16:12	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	16:12	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	16:12	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	16:12	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	16:12	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	16:12	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	16:12	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	16:12	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	16:12	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	16:12	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	16:12	LB135674

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/05/2025	16:12	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	16:12	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	16:12	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	16:12	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	16:12	LB135674
CCB03	Aluminum	100	+/-100	U	100	P	05/05/2025	17:00	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	17:00	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	17:00	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	17:00	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	17:00	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	17:00	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	17:00	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	17:00	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	17:00	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	17:00	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	17:00	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	17:00	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	17:00	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	17:00	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	17:00	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	17:00	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	17:00	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	17:00	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	17:00	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	17:00	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	17:00	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	17:00	LB135674
CCB04	Aluminum	100	+/-100	U	100	P	05/05/2025	17:59	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	17:59	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	17:59	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	17:59	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	17:59	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	17:59	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	17:59	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	17:59	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	17:59	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	17:59	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	17:59	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	17:59	LB135674

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/05/2025	17:59	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	17:59	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	17:59	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	17:59	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	17:59	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	17:59	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	17:59	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	17:59	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	17:59	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	17:59	LB135674
CCB05	Aluminum	100	+/-100	U	100	P	05/05/2025	18:47	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	18:47	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	18:47	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	18:47	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	18:47	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	18:47	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	18:47	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	18:47	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	18:47	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	18:47	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	18:47	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	18:47	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	18:47	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	18:47	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	18:47	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	18:47	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	18:47	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	18:47	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	18:47	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	18:47	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	18:47	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	18:47	LB135674
CCB06	Aluminum	100	+/-100	U	100	P	05/05/2025	19:37	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	19:37	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	19:37	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	19:37	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	19:37	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	19:37	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	19:37	LB135674

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/05/2025	19:37	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	19:37	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	19:37	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	19:37	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	19:37	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	19:37	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	19:37	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	19:37	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	19:37	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	19:37	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	19:37	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	19:37	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	19:37	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	19:37	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	19:37	LB135674
CCB07	Aluminum	100	+/-100	U	100	P	05/05/2025	20:23	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	20:23	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	20:23	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	20:23	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	20:23	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	20:23	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	20:23	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	20:23	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	20:23	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	20:23	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	20:23	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	20:23	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	20:23	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	20:23	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	20:23	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	20:23	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	20:23	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	20:23	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	20:23	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	20:23	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	20:23	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	20:23	LB135674
CCB08	Aluminum	100	+/-100	U	100	P	05/05/2025	21:12	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	21:12	LB135674

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/05/2025	21:12	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	21:12	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	21:12	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	21:12	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	21:12	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	21:12	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	21:12	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	21:12	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	21:12	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	21:12	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	21:12	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	21:12	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	21:12	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	21:12	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	21:12	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	21:12	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	21:12	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	21:12	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	21:12	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	21:12	LB135674
CCB09	Aluminum	100	+/-100	U	100	P	05/05/2025	22:03	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	22:03	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	22:03	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	22:03	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	22:03	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	22:03	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	22:03	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	22:03	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	22:03	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	22:03	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	22:03	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	22:03	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	22:03	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	22:03	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	22:03	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	22:03	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	22:03	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	22:03	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	22:03	LB135674

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	22:03	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	22:03	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	22:03	LB135674
CCB10	Aluminum	100	+/-100	U	100	P	05/05/2025	22:37	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	22:37	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	22:37	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	22:37	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	22:37	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	22:37	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	22:37	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	22:37	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	22:37	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	22:37	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	22:37	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	22:37	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	22:37	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	22:37	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	22:37	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	22:37	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	22:37	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	22:37	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	22:37	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	22:37	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	22:37	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	22:37	LB135674

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/06/2025	15:27	LB135689
	Antimony	50.0	+/-50.0	U	50.0	P	05/06/2025	15:27	LB135689
	Arsenic	20.0	+/-20.0	U	20.0	P	05/06/2025	15:27	LB135689
	Barium	100	+/-100	U	100	P	05/06/2025	15:27	LB135689
	Beryllium	6.00	+/-6.00	U	6.00	P	05/06/2025	15:27	LB135689
	Cadmium	6.00	+/-6.00	U	6.00	P	05/06/2025	15:27	LB135689
	Calcium	2000	+/-2000	U	2000	P	05/06/2025	15:27	LB135689
	Chromium	10.0	+/-10.0	U	10.0	P	05/06/2025	15:27	LB135689
	Cobalt	30.0	+/-30.0	U	30.0	P	05/06/2025	15:27	LB135689
	Copper	20.0	+/-20.0	U	20.0	P	05/06/2025	15:27	LB135689
	Iron	100	+/-100	U	100	P	05/06/2025	15:27	LB135689
	Lead	12.0	+/-12.0	U	12.0	P	05/06/2025	15:27	LB135689
	Magnesium	2000	+/-2000	U	2000	P	05/06/2025	15:27	LB135689
	Manganese	20.0	+/-20.0	U	20.0	P	05/06/2025	15:27	LB135689
	Nickel	40.0	+/-40.0	U	40.0	P	05/06/2025	15:27	LB135689
	Potassium	2000	+/-2000	U	2000	P	05/06/2025	15:27	LB135689
	Selenium	20.0	+/-20.0	U	20.0	P	05/06/2025	15:27	LB135689
	Silver	10.0	+/-10.0	U	10.0	P	05/06/2025	15:27	LB135689
	Sodium	2000	+/-2000	U	2000	P	05/06/2025	15:27	LB135689
	Thallium	40.0	+/-40.0	U	40.0	P	05/06/2025	15:27	LB135689
	Vanadium	40.0	+/-40.0	U	40.0	P	05/06/2025	15:27	LB135689
	Zinc	40.0	+/-40.0	U	40.0	P	05/06/2025	15:27	LB135689

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	12.8	+/-100	J	100	P	05/06/2025	16:34	LB135689
	Antimony	50.0	+/-50.0	U	50.0	P	05/06/2025	16:34	LB135689
	Arsenic	20.0	+/-20.0	U	20.0	P	05/06/2025	16:34	LB135689
	Barium	100	+/-100	U	100	P	05/06/2025	16:34	LB135689
	Beryllium	6.00	+/-6.00	U	6.00	P	05/06/2025	16:34	LB135689
	Cadmium	6.00	+/-6.00	U	6.00	P	05/06/2025	16:34	LB135689
	Calcium	2000	+/-2000	U	2000	P	05/06/2025	16:34	LB135689
	Chromium	10.0	+/-10.0	U	10.0	P	05/06/2025	16:34	LB135689
	Cobalt	30.0	+/-30.0	U	30.0	P	05/06/2025	16:34	LB135689
	Copper	20.0	+/-20.0	U	20.0	P	05/06/2025	16:34	LB135689
	Iron	100	+/-100	U	100	P	05/06/2025	16:34	LB135689
	Lead	12.0	+/-12.0	U	12.0	P	05/06/2025	16:34	LB135689
	Magnesium	2000	+/-2000	U	2000	P	05/06/2025	16:34	LB135689
	Manganese	20.0	+/-20.0	U	20.0	P	05/06/2025	16:34	LB135689
	Nickel	40.0	+/-40.0	U	40.0	P	05/06/2025	16:34	LB135689
	Potassium	2000	+/-2000	U	2000	P	05/06/2025	16:34	LB135689
	Selenium	20.0	+/-20.0	U	20.0	P	05/06/2025	16:34	LB135689
	Silver	10.0	+/-10.0	U	10.0	P	05/06/2025	16:34	LB135689
	Sodium	2000	+/-2000	U	2000	P	05/06/2025	16:34	LB135689
	Thallium	40.0	+/-40.0	U	40.0	P	05/06/2025	16:34	LB135689
	Vanadium	40.0	+/-40.0	U	40.0	P	05/06/2025	16:34	LB135689
	Zinc	40.0	+/-40.0	U	40.0	P	05/06/2025	16:34	LB135689
CCB02	Aluminum	14.3	+/-100	J	100	P	05/06/2025	17:20	LB135689
	Antimony	50.0	+/-50.0	U	50.0	P	05/06/2025	17:20	LB135689
	Arsenic	20.0	+/-20.0	U	20.0	P	05/06/2025	17:20	LB135689
	Barium	100	+/-100	U	100	P	05/06/2025	17:20	LB135689
	Beryllium	6.00	+/-6.00	U	6.00	P	05/06/2025	17:20	LB135689
	Cadmium	0.60	+/-6.00	J	6.00	P	05/06/2025	17:20	LB135689
	Calcium	2000	+/-2000	U	2000	P	05/06/2025	17:20	LB135689
	Chromium	10.0	+/-10.0	U	10.0	P	05/06/2025	17:20	LB135689
	Cobalt	30.0	+/-30.0	U	30.0	P	05/06/2025	17:20	LB135689
	Copper	20.0	+/-20.0	U	20.0	P	05/06/2025	17:20	LB135689
	Iron	100	+/-100	U	100	P	05/06/2025	17:20	LB135689
	Lead	12.0	+/-12.0	U	12.0	P	05/06/2025	17:20	LB135689
	Magnesium	2000	+/-2000	U	2000	P	05/06/2025	17:20	LB135689
	Manganese	20.0	+/-20.0	U	20.0	P	05/06/2025	17:20	LB135689
	Nickel	40.0	+/-40.0	U	40.0	P	05/06/2025	17:20	LB135689
	Potassium	2000	+/-2000	U	2000	P	05/06/2025	17:20	LB135689
	Selenium	20.0	+/-20.0	U	20.0	P	05/06/2025	17:20	LB135689

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/06/2025	17:20	LB135689
	Sodium	2000	+/-2000	U	2000	P	05/06/2025	17:20	LB135689
	Thallium	40.0	+/-40.0	U	40.0	P	05/06/2025	17:20	LB135689
	Vanadium	40.0	+/-40.0	U	40.0	P	05/06/2025	17:20	LB135689
	Zinc	40.0	+/-40.0	U	40.0	P	05/06/2025	17:20	LB135689
CCB03	Aluminum	15.8	+/-100	J	100	P	05/06/2025	18:13	LB135689
	Antimony	50.0	+/-50.0	U	50.0	P	05/06/2025	18:13	LB135689
	Arsenic	20.0	+/-20.0	U	20.0	P	05/06/2025	18:13	LB135689
	Barium	100	+/-100	U	100	P	05/06/2025	18:13	LB135689
	Beryllium	6.00	+/-6.00	U	6.00	P	05/06/2025	18:13	LB135689
	Cadmium	0.59	+/-6.00	J	6.00	P	05/06/2025	18:13	LB135689
	Calcium	2000	+/-2000	U	2000	P	05/06/2025	18:13	LB135689
	Chromium	10.0	+/-10.0	U	10.0	P	05/06/2025	18:13	LB135689
	Cobalt	30.0	+/-30.0	U	30.0	P	05/06/2025	18:13	LB135689
	Copper	20.0	+/-20.0	U	20.0	P	05/06/2025	18:13	LB135689
	Iron	23.9	+/-100	J	100	P	05/06/2025	18:13	LB135689
	Lead	12.0	+/-12.0	U	12.0	P	05/06/2025	18:13	LB135689
	Magnesium	2000	+/-2000	U	2000	P	05/06/2025	18:13	LB135689
	Manganese	20.0	+/-20.0	U	20.0	P	05/06/2025	18:13	LB135689
	Nickel	40.0	+/-40.0	U	40.0	P	05/06/2025	18:13	LB135689
	Potassium	2000	+/-2000	U	2000	P	05/06/2025	18:13	LB135689
	Selenium	20.0	+/-20.0	U	20.0	P	05/06/2025	18:13	LB135689
	Silver	10.0	+/-10.0	U	10.0	P	05/06/2025	18:13	LB135689
	Sodium	2000	+/-2000	U	2000	P	05/06/2025	18:13	LB135689
	Thallium	40.0	+/-40.0	U	40.0	P	05/06/2025	18:13	LB135689
	Vanadium	40.0	+/-40.0	U	40.0	P	05/06/2025	18:13	LB135689
	Zinc	40.0	+/-40.0	U	40.0	P	05/06/2025	18:13	LB135689
CCB04	Aluminum	16.7	+/-100	J	100	P	05/06/2025	19:20	LB135689
	Antimony	50.0	+/-50.0	U	50.0	P	05/06/2025	19:20	LB135689
	Arsenic	20.0	+/-20.0	U	20.0	P	05/06/2025	19:20	LB135689
	Barium	100	+/-100	U	100	P	05/06/2025	19:20	LB135689
	Beryllium	6.00	+/-6.00	U	6.00	P	05/06/2025	19:20	LB135689
	Cadmium	6.00	+/-6.00	U	6.00	P	05/06/2025	19:20	LB135689
	Calcium	2000	+/-2000	U	2000	P	05/06/2025	19:20	LB135689
	Chromium	10.0	+/-10.0	U	10.0	P	05/06/2025	19:20	LB135689
	Cobalt	30.0	+/-30.0	U	30.0	P	05/06/2025	19:20	LB135689
	Copper	20.0	+/-20.0	U	20.0	P	05/06/2025	19:20	LB135689
	Iron	100	+/-100	U	100	P	05/06/2025	19:20	LB135689
	Lead	12.0	+/-12.0	U	12.0	P	05/06/2025	19:20	LB135689

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/06/2025	19:20	LB135689
	Manganese	20.0	+/-20.0	U	20.0	P	05/06/2025	19:20	LB135689
	Nickel	40.0	+/-40.0	U	40.0	P	05/06/2025	19:20	LB135689
	Potassium	2000	+/-2000	U	2000	P	05/06/2025	19:20	LB135689
	Selenium	20.0	+/-20.0	U	20.0	P	05/06/2025	19:20	LB135689
	Silver	10.0	+/-10.0	U	10.0	P	05/06/2025	19:20	LB135689
	Sodium	2000	+/-2000	U	2000	P	05/06/2025	19:20	LB135689
	Thallium	40.0	+/-40.0	U	40.0	P	05/06/2025	19:20	LB135689
	Vanadium	40.0	+/-40.0	U	40.0	P	05/06/2025	19:20	LB135689
	Zinc	40.0	+/-40.0	U	40.0	P	05/06/2025	19:20	LB135689
CCB05	Aluminum	100	+/-100	U	100	P	05/06/2025	20:06	LB135689
	Antimony	50.0	+/-50.0	U	50.0	P	05/06/2025	20:06	LB135689
	Arsenic	20.0	+/-20.0	U	20.0	P	05/06/2025	20:06	LB135689
	Barium	100	+/-100	U	100	P	05/06/2025	20:06	LB135689
	Beryllium	6.00	+/-6.00	U	6.00	P	05/06/2025	20:06	LB135689
	Cadmium	6.00	+/-6.00	U	6.00	P	05/06/2025	20:06	LB135689
	Calcium	2000	+/-2000	U	2000	P	05/06/2025	20:06	LB135689
	Chromium	10.0	+/-10.0	U	10.0	P	05/06/2025	20:06	LB135689
	Cobalt	30.0	+/-30.0	U	30.0	P	05/06/2025	20:06	LB135689
	Copper	20.0	+/-20.0	U	20.0	P	05/06/2025	20:06	LB135689
	Iron	100	+/-100	U	100	P	05/06/2025	20:06	LB135689
	Lead	12.0	+/-12.0	U	12.0	P	05/06/2025	20:06	LB135689
	Magnesium	2000	+/-2000	U	2000	P	05/06/2025	20:06	LB135689
	Manganese	20.0	+/-20.0	U	20.0	P	05/06/2025	20:06	LB135689
	Nickel	40.0	+/-40.0	U	40.0	P	05/06/2025	20:06	LB135689
	Potassium	2000	+/-2000	U	2000	P	05/06/2025	20:06	LB135689
	Selenium	20.0	+/-20.0	U	20.0	P	05/06/2025	20:06	LB135689
	Silver	10.0	+/-10.0	U	10.0	P	05/06/2025	20:06	LB135689
	Sodium	2000	+/-2000	U	2000	P	05/06/2025	20:06	LB135689
	Thallium	40.0	+/-40.0	U	40.0	P	05/06/2025	20:06	LB135689
	Vanadium	40.0	+/-40.0	U	40.0	P	05/06/2025	20:06	LB135689
	Zinc	40.0	+/-40.0	U	40.0	P	05/06/2025	20:06	LB135689
CCB06	Aluminum	100	+/-100	U	100	P	05/06/2025	20:35	LB135689
	Antimony	50.0	+/-50.0	U	50.0	P	05/06/2025	20:35	LB135689
	Arsenic	20.0	+/-20.0	U	20.0	P	05/06/2025	20:35	LB135689
	Barium	100	+/-100	U	100	P	05/06/2025	20:35	LB135689
	Beryllium	6.00	+/-6.00	U	6.00	P	05/06/2025	20:35	LB135689
	Cadmium	6.00	+/-6.00	U	6.00	P	05/06/2025	20:35	LB135689
	Calcium	2000	+/-2000	U	2000	P	05/06/2025	20:35	LB135689

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/06/2025	20:35	LB135689
	Cobalt	30.0	+/-30.0	U	30.0	P	05/06/2025	20:35	LB135689
	Copper	20.0	+/-20.0	U	20.0	P	05/06/2025	20:35	LB135689
	Iron	100	+/-100	U	100	P	05/06/2025	20:35	LB135689
	Lead	12.0	+/-12.0	U	12.0	P	05/06/2025	20:35	LB135689
	Magnesium	2000	+/-2000	U	2000	P	05/06/2025	20:35	LB135689
	Manganese	20.0	+/-20.0	U	20.0	P	05/06/2025	20:35	LB135689
	Nickel	40.0	+/-40.0	U	40.0	P	05/06/2025	20:35	LB135689
	Potassium	2000	+/-2000	U	2000	P	05/06/2025	20:35	LB135689
	Selenium	20.0	+/-20.0	U	20.0	P	05/06/2025	20:35	LB135689
	Silver	10.0	+/-10.0	U	10.0	P	05/06/2025	20:35	LB135689
	Sodium	2000	+/-2000	U	2000	P	05/06/2025	20:35	LB135689
	Thallium	40.0	+/-40.0	U	40.0	P	05/06/2025	20:35	LB135689
	Vanadium	40.0	+/-40.0	U	40.0	P	05/06/2025	20:35	LB135689
	Zinc	40.0	+/-40.0	U	40.0	P	05/06/2025	20:35	LB135689

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/07/2025	13:09	LB135699
	Antimony	50.0	+/-50.0	U	50.0	P	05/07/2025	13:09	LB135699
	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	13:09	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	13:09	LB135699
	Beryllium	6.00	+/-6.00	U	6.00	P	05/07/2025	13:09	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	13:09	LB135699
	Calcium	2000	+/-2000	U	2000	P	05/07/2025	13:09	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	13:09	LB135699
	Cobalt	30.0	+/-30.0	U	30.0	P	05/07/2025	13:09	LB135699
	Copper	20.0	+/-20.0	U	20.0	P	05/07/2025	13:09	LB135699
	Iron	100	+/-100	U	100	P	05/07/2025	13:09	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	13:09	LB135699
	Magnesium	2000	+/-2000	U	2000	P	05/07/2025	13:09	LB135699
	Manganese	20.0	+/-20.0	U	20.0	P	05/07/2025	13:09	LB135699
	Nickel	40.0	+/-40.0	U	40.0	P	05/07/2025	13:09	LB135699
	Potassium	2000	+/-2000	U	2000	P	05/07/2025	13:09	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	13:09	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	13:09	LB135699
	Sodium	2000	+/-2000	U	2000	P	05/07/2025	13:09	LB135699
	Thallium	40.0	+/-40.0	U	40.0	P	05/07/2025	13:09	LB135699
	Vanadium	40.0	+/-40.0	U	40.0	P	05/07/2025	13:09	LB135699
	Zinc	40.0	+/-40.0	U	40.0	P	05/07/2025	13:09	LB135699

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/07/2025	13:43	LB135699
	Antimony	50.0	+/-50.0	U	50.0	P	05/07/2025	13:43	LB135699
	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	13:43	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	13:43	LB135699
	Beryllium	6.00	+/-6.00	U	6.00	P	05/07/2025	13:43	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	13:43	LB135699
	Calcium	2000	+/-2000	U	2000	P	05/07/2025	13:43	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	13:43	LB135699
	Cobalt	30.0	+/-30.0	U	30.0	P	05/07/2025	13:43	LB135699
	Copper	20.0	+/-20.0	U	20.0	P	05/07/2025	13:43	LB135699
	Iron	100	+/-100	U	100	P	05/07/2025	13:43	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	13:43	LB135699
	Magnesium	2000	+/-2000	U	2000	P	05/07/2025	13:43	LB135699
	Manganese	20.0	+/-20.0	U	20.0	P	05/07/2025	13:43	LB135699
	Nickel	40.0	+/-40.0	U	40.0	P	05/07/2025	13:43	LB135699
	Potassium	2000	+/-2000	U	2000	P	05/07/2025	13:43	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	13:43	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	13:43	LB135699
	Sodium	2000	+/-2000	U	2000	P	05/07/2025	13:43	LB135699
	Thallium	40.0	+/-40.0	U	40.0	P	05/07/2025	13:43	LB135699
	Vanadium	40.0	+/-40.0	U	40.0	P	05/07/2025	13:43	LB135699
	Zinc	40.0	+/-40.0	U	40.0	P	05/07/2025	13:43	LB135699
CCB02	Aluminum	100	+/-100	U	100	P	05/07/2025	14:39	LB135699
	Antimony	50.0	+/-50.0	U	50.0	P	05/07/2025	14:39	LB135699
	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	14:39	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	14:39	LB135699
	Beryllium	6.00	+/-6.00	U	6.00	P	05/07/2025	14:39	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	14:39	LB135699
	Calcium	2000	+/-2000	U	2000	P	05/07/2025	14:39	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	14:39	LB135699
	Cobalt	30.0	+/-30.0	U	30.0	P	05/07/2025	14:39	LB135699
	Copper	20.0	+/-20.0	U	20.0	P	05/07/2025	14:39	LB135699
	Iron	100	+/-100	U	100	P	05/07/2025	14:39	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	14:39	LB135699
	Magnesium	2000	+/-2000	U	2000	P	05/07/2025	14:39	LB135699
	Manganese	20.0	+/-20.0	U	20.0	P	05/07/2025	14:39	LB135699
	Nickel	40.0	+/-40.0	U	40.0	P	05/07/2025	14:39	LB135699
	Potassium	2000	+/-2000	U	2000	P	05/07/2025	14:39	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	14:39	LB135699

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/07/2025	14:39	LB135699
	Sodium	2000	+/-2000	U	2000	P	05/07/2025	14:39	LB135699
	Thallium	40.0	+/-40.0	U	40.0	P	05/07/2025	14:39	LB135699
	Vanadium	40.0	+/-40.0	U	40.0	P	05/07/2025	14:39	LB135699
	Zinc	40.0	+/-40.0	U	40.0	P	05/07/2025	14:39	LB135699
CCB03	Aluminum	100	+/-100	U	100	P	05/07/2025	15:27	LB135699
	Antimony	50.0	+/-50.0	U	50.0	P	05/07/2025	15:27	LB135699
	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	15:27	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	15:27	LB135699
	Beryllium	6.00	+/-6.00	U	6.00	P	05/07/2025	15:27	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	15:27	LB135699
	Calcium	2000	+/-2000	U	2000	P	05/07/2025	15:27	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	15:27	LB135699
	Cobalt	30.0	+/-30.0	U	30.0	P	05/07/2025	15:27	LB135699
	Copper	20.0	+/-20.0	U	20.0	P	05/07/2025	15:27	LB135699
	Iron	100	+/-100	U	100	P	05/07/2025	15:27	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	15:27	LB135699
	Magnesium	2000	+/-2000	U	2000	P	05/07/2025	15:27	LB135699
	Manganese	20.0	+/-20.0	U	20.0	P	05/07/2025	15:27	LB135699
	Nickel	40.0	+/-40.0	U	40.0	P	05/07/2025	15:27	LB135699
	Potassium	2000	+/-2000	U	2000	P	05/07/2025	15:27	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	15:27	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	15:27	LB135699
	Sodium	2000	+/-2000	U	2000	P	05/07/2025	15:27	LB135699
	Thallium	40.0	+/-40.0	U	40.0	P	05/07/2025	15:27	LB135699
	Vanadium	40.0	+/-40.0	U	40.0	P	05/07/2025	15:27	LB135699
	Zinc	40.0	+/-40.0	U	40.0	P	05/07/2025	15:27	LB135699
CCB04	Aluminum	100	+/-100	U	100	P	05/07/2025	16:09	LB135699
	Antimony	50.0	+/-50.0	U	50.0	P	05/07/2025	16:09	LB135699
	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	16:09	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	16:09	LB135699
	Beryllium	6.00	+/-6.00	U	6.00	P	05/07/2025	16:09	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	16:09	LB135699
	Calcium	2000	+/-2000	U	2000	P	05/07/2025	16:09	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	16:09	LB135699
	Cobalt	30.0	+/-30.0	U	30.0	P	05/07/2025	16:09	LB135699
	Copper	20.0	+/-20.0	U	20.0	P	05/07/2025	16:09	LB135699
	Iron	100	+/-100	U	100	P	05/07/2025	16:09	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	16:09	LB135699

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/07/2025	16:09	LB135699
	Manganese	20.0	+/-20.0	U	20.0	P	05/07/2025	16:09	LB135699
	Nickel	40.0	+/-40.0	U	40.0	P	05/07/2025	16:09	LB135699
	Potassium	2000	+/-2000	U	2000	P	05/07/2025	16:09	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	16:09	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	16:09	LB135699
	Sodium	2000	+/-2000	U	2000	P	05/07/2025	16:09	LB135699
	Thallium	40.0	+/-40.0	U	40.0	P	05/07/2025	16:09	LB135699
	Vanadium	40.0	+/-40.0	U	40.0	P	05/07/2025	16:09	LB135699
	Zinc	40.0	+/-40.0	U	40.0	P	05/07/2025	16:09	LB135699
CCB05	Aluminum	100	+/-100	U	100	P	05/07/2025	16:52	LB135699
	Antimony	50.0	+/-50.0	U	50.0	P	05/07/2025	16:52	LB135699
	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	16:52	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	16:52	LB135699
	Beryllium	6.00	+/-6.00	U	6.00	P	05/07/2025	16:52	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	16:52	LB135699
	Calcium	2000	+/-2000	U	2000	P	05/07/2025	16:52	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	16:52	LB135699
	Cobalt	30.0	+/-30.0	U	30.0	P	05/07/2025	16:52	LB135699
	Copper	20.0	+/-20.0	U	20.0	P	05/07/2025	16:52	LB135699
	Iron	100	+/-100	U	100	P	05/07/2025	16:52	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	16:52	LB135699
	Magnesium	2000	+/-2000	U	2000	P	05/07/2025	16:52	LB135699
	Manganese	20.0	+/-20.0	U	20.0	P	05/07/2025	16:52	LB135699
	Nickel	40.0	+/-40.0	U	40.0	P	05/07/2025	16:52	LB135699
	Potassium	2000	+/-2000	U	2000	P	05/07/2025	16:52	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	16:52	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	16:52	LB135699
	Sodium	2000	+/-2000	U	2000	P	05/07/2025	16:52	LB135699
	Thallium	40.0	+/-40.0	U	40.0	P	05/07/2025	16:52	LB135699
	Vanadium	40.0	+/-40.0	U	40.0	P	05/07/2025	16:52	LB135699
	Zinc	40.0	+/-40.0	U	40.0	P	05/07/2025	16:52	LB135699

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Metals
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PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167841BL		**SOLID**		**Batch Number:**	**PB167841**		**Prep Date:**	**05/02/2025**	
	Mercury	0.014	<0.014	U	0.014	CV	05/05/2025	08:51	LB135655

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Metals
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PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1939

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167832BL		**SOLID**		**Batch Number:**	**PB167832**		**Prep Date:**	**05/02/2025**	
	Aluminum	4.78	<4.78	U	4.78	P	05/05/2025	17:51	LB135674
	Antimony	2.39	<2.39	U	2.39	P	05/05/2025	17:51	LB135674
	Arsenic	0.96	<0.96	U	0.96	P	05/05/2025	17:51	LB135674
	Barium	4.78	<4.78	U	4.78	P	05/05/2025	17:51	LB135674
	Beryllium	0.29	<0.29	U	0.29	P	05/05/2025	17:51	LB135674
	Cadmium	0.29	<0.29	U	0.29	P	05/05/2025	17:51	LB135674
	Calcium	95.7	<95.7	U	95.7	P	05/05/2025	17:51	LB135674
	Chromium	0.48	<0.48	U	0.48	P	05/05/2025	17:51	LB135674
	Cobalt	1.44	<1.44	U	1.44	P	05/05/2025	17:51	LB135674
	Copper	0.96	<0.96	U	0.96	P	05/05/2025	17:51	LB135674
	Iron	4.78	<4.78	U	4.78	P	05/05/2025	17:51	LB135674
	Lead	0.57	<0.57	U	0.57	P	05/05/2025	17:51	LB135674
	Magnesium	95.7	<95.7	U	95.7	P	05/05/2025	17:51	LB135674
	Manganese	0.96	<0.96	U	0.96	P	05/05/2025	17:51	LB135674
	Nickel	1.91	<1.91	U	1.91	P	05/05/2025	17:51	LB135674
	Potassium	95.7	<95.7	U	95.7	P	05/05/2025	17:51	LB135674
	Selenium	0.96	<0.96	U	0.96	P	05/05/2025	17:51	LB135674
	Silver	0.48	<0.48	U	0.48	P	05/05/2025	17:51	LB135674
	Sodium	95.7	<95.7	U	95.7	P	05/05/2025	17:51	LB135674
	Thallium	1.91	<1.91	U	1.91	P	05/05/2025	17:51	LB135674
	Vanadium	1.91	<1.91	U	1.91	P	05/05/2025	17:51	LB135674
	Zinc	1.91	<1.91	U	1.91	P	05/05/2025	17:51	LB135674

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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
ICV113	Mercury	3.79	4.0	95	90 - 110	CV	05/05/2025	08:30	LB135655

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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
CCV67	Mercury	5.16	5.0	103	90 - 110	CV	05/05/2025	08:34	LB135655
CCV68	Mercury	5.02	5.0	100	90 - 110	CV	05/05/2025	09:07	LB135655
CCV69	Mercury	5.09	5.0	102	90 - 110	CV	05/05/2025	09:37	LB135655
CCV70	Mercury	4.98	5.0	100	90 - 110	CV	05/05/2025	09:56	LB135655

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/05/2025	14:18	LB135674
	Antimony	1000	1000	100	90 - 110	P	05/05/2025	14:18	LB135674
	Arsenic	973	1000	97	90 - 110	P	05/05/2025	14:18	LB135674
	Barium	522	520	100	90 - 110	P	05/05/2025	14:18	LB135674
	Beryllium	483	510	95	90 - 110	P	05/05/2025	14:18	LB135674
	Cadmium	501	510	98	90 - 110	P	05/05/2025	14:18	LB135674
	Calcium	9510	10000	95	90 - 110	P	05/05/2025	14:18	LB135674
	Chromium	508	520	98	90 - 110	P	05/05/2025	14:18	LB135674
	Cobalt	489	520	94	90 - 110	P	05/05/2025	14:18	LB135674
	Copper	499	510	98	90 - 110	P	05/05/2025	14:18	LB135674
	Iron	9600	10000	96	90 - 110	P	05/05/2025	14:18	LB135674
	Lead	988	1000	99	90 - 110	P	05/05/2025	14:18	LB135674
	Magnesium	5640	6000	94	90 - 110	P	05/05/2025	14:18	LB135674
	Manganese	485	520	93	90 - 110	P	05/05/2025	14:18	LB135674
	Nickel	490	530	92	90 - 110	P	05/05/2025	14:18	LB135674
	Potassium	9270	9900	94	90 - 110	P	05/05/2025	14:18	LB135674
	Selenium	1020	1000	102	90 - 110	P	05/05/2025	14:18	LB135674
	Silver	228	250	91	90 - 110	P	05/05/2025	14:18	LB135674
	Sodium	9280	10000	93	90 - 110	P	05/05/2025	14:18	LB135674
	Thallium	1020	1000	102	90 - 110	P	05/05/2025	14:18	LB135674
	Vanadium	472	500	94	90 - 110	P	05/05/2025	14:18	LB135674
	Zinc	969	1000	97	90 - 110	P	05/05/2025	14:18	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	100	100	100	80 - 120	P	05/05/2025	14:36	LB135674
	Antimony	53.4	50.0	107	80 - 120	P	05/05/2025	14:36	LB135674
	Arsenic	23.4	20.0	117	80 - 120	P	05/05/2025	14:36	LB135674
	Barium	95.2	100	95	80 - 120	P	05/05/2025	14:36	LB135674
	Beryllium	5.87	6.0	98	80 - 120	P	05/05/2025	14:36	LB135674
	Cadmium	5.83	6.0	97	80 - 120	P	05/05/2025	14:36	LB135674
	Calcium	2030	2000	102	80 - 120	P	05/05/2025	14:36	LB135674
	Chromium	10.2	10.0	102	80 - 120	P	05/05/2025	14:36	LB135674
	Cobalt	29.7	30.0	99	80 - 120	P	05/05/2025	14:36	LB135674
	Copper	22.4	20.0	112	80 - 120	P	05/05/2025	14:36	LB135674
	Iron	90.6	100	91	80 - 120	P	05/05/2025	14:36	LB135674
	Lead	10.9	12.0	91	80 - 120	P	05/05/2025	14:36	LB135674
	Magnesium	2150	2000	107	80 - 120	P	05/05/2025	14:36	LB135674
	Manganese	18.4	20.0	92	80 - 120	P	05/05/2025	14:36	LB135674
	Nickel	39.5	40.0	99	80 - 120	P	05/05/2025	14:36	LB135674
	Potassium	1920	2000	96	80 - 120	P	05/05/2025	14:36	LB135674
	Selenium	22.6	20.0	113	80 - 120	P	05/05/2025	14:36	LB135674
	Silver	10.2	10.0	102	80 - 120	P	05/05/2025	14:36	LB135674
	Sodium	1930	2000	97	80 - 120	P	05/05/2025	14:36	LB135674
	Thallium	41.0	40.0	103	80 - 120	P	05/05/2025	14:36	LB135674
	Vanadium	39.7	40.0	99	80 - 120	P	05/05/2025	14:36	LB135674
	Zinc	41.2	40.0	103	80 - 120	P	05/05/2025	14:36	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	9770	10000	98	90 - 110	P	05/05/2025	15:20	LB135674
	Antimony	4950	5000	99	90 - 110	P	05/05/2025	15:20	LB135674
	Arsenic	4930	5000	99	90 - 110	P	05/05/2025	15:20	LB135674
	Barium	9850	10000	98	90 - 110	P	05/05/2025	15:20	LB135674
	Beryllium	243	250	97	90 - 110	P	05/05/2025	15:20	LB135674
	Cadmium	2450	2500	98	90 - 110	P	05/05/2025	15:20	LB135674
	Calcium	24400	25000	98	90 - 110	P	05/05/2025	15:20	LB135674
	Chromium	996	1000	100	90 - 110	P	05/05/2025	15:20	LB135674
	Cobalt	2450	2500	98	90 - 110	P	05/05/2025	15:20	LB135674
	Copper	1240	1250	99	90 - 110	P	05/05/2025	15:20	LB135674
	Iron	5100	5000	102	90 - 110	P	05/05/2025	15:20	LB135674
	Lead	4940	5000	99	90 - 110	P	05/05/2025	15:20	LB135674
	Magnesium	24200	25000	97	90 - 110	P	05/05/2025	15:20	LB135674
	Manganese	2430	2500	97	90 - 110	P	05/05/2025	15:20	LB135674
	Nickel	2450	2500	98	90 - 110	P	05/05/2025	15:20	LB135674
	Potassium	24900	25000	100	90 - 110	P	05/05/2025	15:20	LB135674
	Selenium	4960	5000	99	90 - 110	P	05/05/2025	15:20	LB135674
	Silver	1240	1250	99	90 - 110	P	05/05/2025	15:20	LB135674
	Sodium	25000	25000	100	90 - 110	P	05/05/2025	15:20	LB135674
	Thallium	4980	5000	100	90 - 110	P	05/05/2025	15:20	LB135674
	Vanadium	2440	2500	98	90 - 110	P	05/05/2025	15:20	LB135674
	Zinc	2480	2500	99	90 - 110	P	05/05/2025	15:20	LB135674
CCV02	Aluminum	9710	10000	97	90 - 110	P	05/05/2025	16:07	LB135674
	Antimony	4910	5000	98	90 - 110	P	05/05/2025	16:07	LB135674
	Arsenic	4880	5000	98	90 - 110	P	05/05/2025	16:07	LB135674
	Barium	9880	10000	99	90 - 110	P	05/05/2025	16:07	LB135674
	Beryllium	240	250	96	90 - 110	P	05/05/2025	16:07	LB135674
	Cadmium	2410	2500	96	90 - 110	P	05/05/2025	16:07	LB135674
	Calcium	24200	25000	97	90 - 110	P	05/05/2025	16:07	LB135674
	Chromium	974	1000	97	90 - 110	P	05/05/2025	16:07	LB135674
	Cobalt	2430	2500	97	90 - 110	P	05/05/2025	16:07	LB135674
	Copper	1230	1250	98	90 - 110	P	05/05/2025	16:07	LB135674
	Iron	4990	5000	100	90 - 110	P	05/05/2025	16:07	LB135674
	Lead	4870	5000	97	90 - 110	P	05/05/2025	16:07	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	24000	25000	96	90 - 110	P	05/05/2025	16:07	LB135674
	Manganese	2430	2500	97	90 - 110	P	05/05/2025	16:07	LB135674
	Nickel	2420	2500	97	90 - 110	P	05/05/2025	16:07	LB135674
	Potassium	24300	25000	97	90 - 110	P	05/05/2025	16:07	LB135674
	Selenium	4920	5000	98	90 - 110	P	05/05/2025	16:07	LB135674
	Silver	1210	1250	97	90 - 110	P	05/05/2025	16:07	LB135674
	Sodium	24400	25000	98	90 - 110	P	05/05/2025	16:07	LB135674
	Thallium	4890	5000	98	90 - 110	P	05/05/2025	16:07	LB135674
	Vanadium	2430	2500	97	90 - 110	P	05/05/2025	16:07	LB135674
	Zinc	2430	2500	97	90 - 110	P	05/05/2025	16:07	LB135674
CCV03	Aluminum	9670	10000	97	90 - 110	P	05/05/2025	16:56	LB135674
	Antimony	5080	5000	102	90 - 110	P	05/05/2025	16:56	LB135674
	Arsenic	5050	5000	101	90 - 110	P	05/05/2025	16:56	LB135674
	Barium	9910	10000	99	90 - 110	P	05/05/2025	16:56	LB135674
	Beryllium	240	250	96	90 - 110	P	05/05/2025	16:56	LB135674
	Cadmium	2410	2500	96	90 - 110	P	05/05/2025	16:56	LB135674
	Calcium	24100	25000	96	90 - 110	P	05/05/2025	16:56	LB135674
	Chromium	975	1000	98	90 - 110	P	05/05/2025	16:56	LB135674
	Cobalt	2430	2500	97	90 - 110	P	05/05/2025	16:56	LB135674
	Copper	1260	1250	100	90 - 110	P	05/05/2025	16:56	LB135674
	Iron	5080	5000	102	90 - 110	P	05/05/2025	16:56	LB135674
	Lead	4880	5000	98	90 - 110	P	05/05/2025	16:56	LB135674
	Magnesium	23800	25000	95	90 - 110	P	05/05/2025	16:56	LB135674
	Manganese	2420	2500	97	90 - 110	P	05/05/2025	16:56	LB135674
	Nickel	2420	2500	97	90 - 110	P	05/05/2025	16:56	LB135674
	Potassium	24800	25000	99	90 - 110	P	05/05/2025	16:56	LB135674
	Selenium	5160	5000	103	90 - 110	P	05/05/2025	16:56	LB135674
	Silver	1230	1250	98	90 - 110	P	05/05/2025	16:56	LB135674
	Sodium	24800	25000	99	90 - 110	P	05/05/2025	16:56	LB135674
	Thallium	4970	5000	99	90 - 110	P	05/05/2025	16:56	LB135674
	Vanadium	2420	2500	97	90 - 110	P	05/05/2025	16:56	LB135674
	Zinc	2460	2500	98	90 - 110	P	05/05/2025	16:56	LB135674
CCV04	Aluminum	9610	10000	96	90 - 110	P	05/05/2025	17:55	LB135674
	Antimony	4970	5000	99	90 - 110	P	05/05/2025	17:55	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	4930	5000	99	90 - 110	P	05/05/2025	17:55	LB135674
	Barium	9690	10000	97	90 - 110	P	05/05/2025	17:55	LB135674
	Beryllium	230	250	92	90 - 110	P	05/05/2025	17:55	LB135674
	Cadmium	2420	2500	97	90 - 110	P	05/05/2025	17:55	LB135674
	Calcium	23800	25000	95	90 - 110	P	05/05/2025	17:55	LB135674
	Chromium	977	1000	98	90 - 110	P	05/05/2025	17:55	LB135674
	Cobalt	2420	2500	97	90 - 110	P	05/05/2025	17:55	LB135674
	Copper	1220	1250	98	90 - 110	P	05/05/2025	17:55	LB135674
	Iron	4990	5000	100	90 - 110	P	05/05/2025	17:55	LB135674
	Lead	4870	5000	98	90 - 110	P	05/05/2025	17:55	LB135674
	Magnesium	23600	25000	95	90 - 110	P	05/05/2025	17:55	LB135674
	Manganese	2360	2500	94	90 - 110	P	05/05/2025	17:55	LB135674
	Nickel	2420	2500	97	90 - 110	P	05/05/2025	17:55	LB135674
	Potassium	24200	25000	97	90 - 110	P	05/05/2025	17:55	LB135674
	Selenium	4980	5000	100	90 - 110	P	05/05/2025	17:55	LB135674
	Silver	1200	1250	96	90 - 110	P	05/05/2025	17:55	LB135674
	Sodium	24400	25000	98	90 - 110	P	05/05/2025	17:55	LB135674
	Thallium	4860	5000	97	90 - 110	P	05/05/2025	17:55	LB135674
	Vanadium	2410	2500	96	90 - 110	P	05/05/2025	17:55	LB135674
	Zinc	2420	2500	97	90 - 110	P	05/05/2025	17:55	LB135674
CCV05	Aluminum	9590	10000	96	90 - 110	P	05/05/2025	18:43	LB135674
	Antimony	5050	5000	101	90 - 110	P	05/05/2025	18:43	LB135674
	Arsenic	4990	5000	100	90 - 110	P	05/05/2025	18:43	LB135674
	Barium	9570	10000	96	90 - 110	P	05/05/2025	18:43	LB135674
	Beryllium	235	250	94	90 - 110	P	05/05/2025	18:43	LB135674
	Cadmium	2420	2500	97	90 - 110	P	05/05/2025	18:43	LB135674
	Calcium	23500	25000	94	90 - 110	P	05/05/2025	18:43	LB135674
	Chromium	970	1000	97	90 - 110	P	05/05/2025	18:43	LB135674
	Cobalt	2410	2500	96	90 - 110	P	05/05/2025	18:43	LB135674
	Copper	1230	1250	99	90 - 110	P	05/05/2025	18:43	LB135674
	Iron	4980	5000	100	90 - 110	P	05/05/2025	18:43	LB135674
	Lead	4860	5000	97	90 - 110	P	05/05/2025	18:43	LB135674
	Magnesium	23300	25000	93	90 - 110	P	05/05/2025	18:43	LB135674
	Manganese	2340	2500	93	90 - 110	P	05/05/2025	18:43	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	2430	2500	97	90 - 110	P	05/05/2025	18:43	LB135674
	Potassium	24500	25000	98	90 - 110	P	05/05/2025	18:43	LB135674
	Selenium	5070	5000	101	90 - 110	P	05/05/2025	18:43	LB135674
	Silver	1220	1250	98	90 - 110	P	05/05/2025	18:43	LB135674
	Sodium	24800	25000	99	90 - 110	P	05/05/2025	18:43	LB135674
	Thallium	4770	5000	95	90 - 110	P	05/05/2025	18:43	LB135674
	Vanadium	2390	2500	96	90 - 110	P	05/05/2025	18:43	LB135674
	Zinc	2470	2500	99	90 - 110	P	05/05/2025	18:43	LB135674
CCV06	Aluminum	9210	10000	92	90 - 110	P	05/05/2025	19:32	LB135674
	Antimony	4780	5000	96	90 - 110	P	05/05/2025	19:32	LB135674
	Arsenic	4750	5000	95	90 - 110	P	05/05/2025	19:32	LB135674
	Barium	9680	10000	97	90 - 110	P	05/05/2025	19:32	LB135674
	Beryllium	215	250	86	90 - 110	P	05/05/2025	19:32	LB135674
	Cadmium	2340	2500	94	90 - 110	P	05/05/2025	19:32	LB135674
	Calcium	22700	25000	91	90 - 110	P	05/05/2025	19:32	LB135674
	Chromium	940	1000	94	90 - 110	P	05/05/2025	19:32	LB135674
	Cobalt	2330	2500	93	90 - 110	P	05/05/2025	19:32	LB135674
	Copper	1180	1250	94	90 - 110	P	05/05/2025	19:32	LB135674
	Iron	5030	5000	101	90 - 110	P	05/05/2025	19:32	LB135674
	Lead	4680	5000	94	90 - 110	P	05/05/2025	19:32	LB135674
	Magnesium	22100	25000	88	90 - 110	P	05/05/2025	19:32	LB135674
	Manganese	2300	2500	92	90 - 110	P	05/05/2025	19:32	LB135674
	Nickel	2360	2500	94	90 - 110	P	05/05/2025	19:32	LB135674
	Potassium	25600	25000	102	90 - 110	P	05/05/2025	19:32	LB135674
	Selenium	4800	5000	96	90 - 110	P	05/05/2025	19:32	LB135674
	Silver	1190	1250	95	90 - 110	P	05/05/2025	19:32	LB135674
	Sodium	25500	25000	102	90 - 110	P	05/05/2025	19:32	LB135674
	Thallium	4620	5000	92	90 - 110	P	05/05/2025	19:32	LB135674
	Vanadium	2340	2500	94	90 - 110	P	05/05/2025	19:32	LB135674
	Zinc	2380	2500	95	90 - 110	P	05/05/2025	19:32	LB135674
CCV07	Aluminum	9210	10000	92	90 - 110	P	05/05/2025	20:19	LB135674
	Antimony	4700	5000	94	90 - 110	P	05/05/2025	20:19	LB135674
	Arsenic	4700	5000	94	90 - 110	P	05/05/2025	20:19	LB135674
	Barium	9380	10000	94	90 - 110	P	05/05/2025	20:19	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	231	250	92	90 - 110	P	05/05/2025	20:19	LB135674
	Cadmium	2350	2500	94	90 - 110	P	05/05/2025	20:19	LB135674
	Calcium	23300	25000	93	90 - 110	P	05/05/2025	20:19	LB135674
	Chromium	955	1000	96	90 - 110	P	05/05/2025	20:19	LB135674
	Cobalt	2330	2500	93	90 - 110	P	05/05/2025	20:19	LB135674
	Copper	1170	1250	93	90 - 110	P	05/05/2025	20:19	LB135674
	Iron	4820	5000	96	90 - 110	P	05/05/2025	20:19	LB135674
	Lead	4710	5000	94	90 - 110	P	05/05/2025	20:19	LB135674
	Magnesium	23100	25000	92	90 - 110	P	05/05/2025	20:19	LB135674
	Manganese	2310	2500	92	90 - 110	P	05/05/2025	20:19	LB135674
	Nickel	2360	2500	94	90 - 110	P	05/05/2025	20:19	LB135674
	Potassium	23800	25000	95	90 - 110	P	05/05/2025	20:19	LB135674
	Selenium	4700	5000	94	90 - 110	P	05/05/2025	20:19	LB135674
	Silver	1180	1250	95	90 - 110	P	05/05/2025	20:19	LB135674
	Sodium	23800	25000	95	90 - 110	P	05/05/2025	20:19	LB135674
	Thallium	4630	5000	92	90 - 110	P	05/05/2025	20:19	LB135674
	Vanadium	2340	2500	94	90 - 110	P	05/05/2025	20:19	LB135674
	Zinc	2350	2500	94	90 - 110	P	05/05/2025	20:19	LB135674
CCV08	Aluminum	9250	10000	92	90 - 110	P	05/05/2025	21:07	LB135674
	Antimony	4760	5000	95	90 - 110	P	05/05/2025	21:07	LB135674
	Arsenic	4790	5000	96	90 - 110	P	05/05/2025	21:07	LB135674
	Barium	9390	10000	94	90 - 110	P	05/05/2025	21:07	LB135674
	Beryllium	232	250	93	90 - 110	P	05/05/2025	21:07	LB135674
	Cadmium	2380	2500	95	90 - 110	P	05/05/2025	21:07	LB135674
	Calcium	23300	25000	93	90 - 110	P	05/05/2025	21:07	LB135674
	Chromium	961	1000	96	90 - 110	P	05/05/2025	21:07	LB135674
	Cobalt	2360	2500	95	90 - 110	P	05/05/2025	21:07	LB135674
	Copper	1190	1250	95	90 - 110	P	05/05/2025	21:07	LB135674
	Iron	4870	5000	97	90 - 110	P	05/05/2025	21:07	LB135674
	Lead	4770	5000	95	90 - 110	P	05/05/2025	21:07	LB135674
	Magnesium	23300	25000	93	90 - 110	P	05/05/2025	21:07	LB135674
	Manganese	2310	2500	92	90 - 110	P	05/05/2025	21:07	LB135674
	Nickel	2380	2500	95	90 - 110	P	05/05/2025	21:07	LB135674
	Potassium	23400	25000	94	90 - 110	P	05/05/2025	21:07	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	4800	5000	96	90 - 110	P	05/05/2025	21:07	LB135674
	Silver	1180	1250	94	90 - 110	P	05/05/2025	21:07	LB135674
	Sodium	23700	25000	95	90 - 110	P	05/05/2025	21:07	LB135674
	Thallium	4670	5000	94	90 - 110	P	05/05/2025	21:07	LB135674
	Vanadium	2340	2500	94	90 - 110	P	05/05/2025	21:07	LB135674
	Zinc	2350	2500	94	90 - 110	P	05/05/2025	21:07	LB135674
CCV09	Aluminum	9270	10000	93	90 - 110	P	05/05/2025	21:59	LB135674
	Antimony	4680	5000	94	90 - 110	P	05/05/2025	21:59	LB135674
	Arsenic	4740	5000	95	90 - 110	P	05/05/2025	21:59	LB135674
	Barium	9390	10000	94	90 - 110	P	05/05/2025	21:59	LB135674
	Beryllium	242	250	97	90 - 110	P	05/05/2025	21:59	LB135674
	Cadmium	2410	2500	97	90 - 110	P	05/05/2025	21:59	LB135674
	Calcium	23600	25000	94	90 - 110	P	05/05/2025	21:59	LB135674
	Chromium	959	1000	96	90 - 110	P	05/05/2025	21:59	LB135674
	Cobalt	2380	2500	95	90 - 110	P	05/05/2025	21:59	LB135674
	Copper	1180	1250	95	90 - 110	P	05/05/2025	21:59	LB135674
	Iron	4770	5000	95	90 - 110	P	05/05/2025	21:59	LB135674
	Lead	4810	5000	96	90 - 110	P	05/05/2025	21:59	LB135674
	Magnesium	23700	25000	95	90 - 110	P	05/05/2025	21:59	LB135674
	Manganese	2370	2500	95	90 - 110	P	05/05/2025	21:59	LB135674
	Nickel	2410	2500	96	90 - 110	P	05/05/2025	21:59	LB135674
	Potassium	23200	25000	93	90 - 110	P	05/05/2025	21:59	LB135674
	Selenium	4740	5000	95	90 - 110	P	05/05/2025	21:59	LB135674
	Silver	1190	1250	95	90 - 110	P	05/05/2025	21:59	LB135674
	Sodium	23000	25000	92	90 - 110	P	05/05/2025	21:59	LB135674
	Thallium	4640	5000	93	90 - 110	P	05/05/2025	21:59	LB135674
	Vanadium	2360	2500	94	90 - 110	P	05/05/2025	21:59	LB135674
	Zinc	2320	2500	93	90 - 110	P	05/05/2025	21:59	LB135674
CCV10	Aluminum	9230	10000	92	90 - 110	P	05/05/2025	22:33	LB135674
	Antimony	4720	5000	94	90 - 110	P	05/05/2025	22:33	LB135674
	Arsenic	4740	5000	95	90 - 110	P	05/05/2025	22:33	LB135674
	Barium	9090	10000	91	90 - 110	P	05/05/2025	22:33	LB135674
	Beryllium	239	250	96	90 - 110	P	05/05/2025	22:33	LB135674
	Cadmium	2380	2500	95	90 - 110	P	05/05/2025	22:33	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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
CCV10	Calcium	23300	25000	93	90 - 110	P	05/05/2025	22:33	LB135674
	Chromium	967	1000	97	90 - 110	P	05/05/2025	22:33	LB135674
	Cobalt	2360	2500	94	90 - 110	P	05/05/2025	22:33	LB135674
	Copper	1180	1250	95	90 - 110	P	05/05/2025	22:33	LB135674
	Iron	4620	5000	92	90 - 110	P	05/05/2025	22:33	LB135674
	Lead	4750	5000	95	90 - 110	P	05/05/2025	22:33	LB135674
	Magnesium	23600	25000	94	90 - 110	P	05/05/2025	22:33	LB135674
	Manganese	2300	2500	92	90 - 110	P	05/05/2025	22:33	LB135674
	Nickel	2370	2500	95	90 - 110	P	05/05/2025	22:33	LB135674
	Potassium	22800	25000	91	90 - 110	P	05/05/2025	22:33	LB135674
	Selenium	4730	5000	95	90 - 110	P	05/05/2025	22:33	LB135674
	Silver	1180	1250	94	90 - 110	P	05/05/2025	22:33	LB135674
	Sodium	23300	25000	93	90 - 110	P	05/05/2025	22:33	LB135674
	Thallium	4550	5000	91	90 - 110	P	05/05/2025	22:33	LB135674
	Vanadium	2330	2500	93	90 - 110	P	05/05/2025	22:33	LB135674
	Zinc	2330	2500	93	90 - 110	P	05/05/2025	22:33	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	2400	2500	96	90 - 110	P	05/06/2025	14:47	LB135689
	Antimony	972	1000	97	90 - 110	P	05/06/2025	14:47	LB135689
	Arsenic	976	1000	98	90 - 110	P	05/06/2025	14:47	LB135689
	Barium	531	520	102	90 - 110	P	05/06/2025	14:47	LB135689
	Beryllium	552	510	108	90 - 110	P	05/06/2025	14:47	LB135689
	Cadmium	498	510	98	90 - 110	P	05/06/2025	14:47	LB135689
	Calcium	9500	10000	95	90 - 110	P	05/06/2025	14:47	LB135689
	Chromium	498	520	96	90 - 110	P	05/06/2025	14:47	LB135689
	Cobalt	487	520	94	90 - 110	P	05/06/2025	14:47	LB135689
	Copper	500	510	98	90 - 110	P	05/06/2025	14:47	LB135689
	Iron	10500	10000	105	90 - 110	P	05/06/2025	14:47	LB135689
	Lead	975	1000	98	90 - 110	P	05/06/2025	14:47	LB135689
	Magnesium	5640	6000	94	90 - 110	P	05/06/2025	14:47	LB135689
	Manganese	493	520	95	90 - 110	P	05/06/2025	14:47	LB135689
	Nickel	492	530	93	90 - 110	P	05/06/2025	14:47	LB135689
	Potassium	10100	9900	102	90 - 110	P	05/06/2025	14:47	LB135689
	Selenium	1000	1000	100	90 - 110	P	05/06/2025	14:47	LB135689
	Silver	232	250	93	90 - 110	P	05/06/2025	14:47	LB135689
	Sodium	10000	10000	100	90 - 110	P	05/06/2025	14:47	LB135689
	Thallium	1000	1000	100	90 - 110	P	05/06/2025	14:47	LB135689
	Vanadium	478	500	96	90 - 110	P	05/06/2025	14:47	LB135689
	Zinc	975	1000	98	90 - 110	P	05/06/2025	14:47	LB135689

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	105	100	105	80 - 120	P	05/06/2025	15:22	LB135689
	Antimony	50.3	50.0	101	80 - 120	P	05/06/2025	15:22	LB135689
	Arsenic	18.2	20.0	91	80 - 120	P	05/06/2025	15:22	LB135689
	Barium	91.5	100	92	80 - 120	P	05/06/2025	15:22	LB135689
	Beryllium	5.90	6.0	98	80 - 120	P	05/06/2025	15:22	LB135689
	Cadmium	5.98	6.0	100	80 - 120	P	05/06/2025	15:22	LB135689
	Calcium	1930	2000	96	80 - 120	P	05/06/2025	15:22	LB135689
	Chromium	9.31	10.0	93	80 - 120	P	05/06/2025	15:22	LB135689
	Cobalt	28.6	30.0	95	80 - 120	P	05/06/2025	15:22	LB135689
	Copper	21.1	20.0	106	80 - 120	P	05/06/2025	15:22	LB135689
	Iron	98.2	100	98	80 - 120	P	05/06/2025	15:22	LB135689
	Lead	11.1	12.0	92	80 - 120	P	05/06/2025	15:22	LB135689
	Magnesium	2030	2000	102	80 - 120	P	05/06/2025	15:22	LB135689
	Manganese	19.6	20.0	98	80 - 120	P	05/06/2025	15:22	LB135689
	Nickel	38.9	40.0	97	80 - 120	P	05/06/2025	15:22	LB135689
	Potassium	1770	2000	88	80 - 120	P	05/06/2025	15:22	LB135689
	Selenium	19.1	20.0	95	80 - 120	P	05/06/2025	15:22	LB135689
	Silver	9.80	10.0	98	80 - 120	P	05/06/2025	15:22	LB135689
	Sodium	1790	2000	89	80 - 120	P	05/06/2025	15:22	LB135689
	Thallium	39.9	40.0	100	80 - 120	P	05/06/2025	15:22	LB135689
	Vanadium	38.0	40.0	95	80 - 120	P	05/06/2025	15:22	LB135689
	Zinc	40.4	40.0	101	80 - 120	P	05/06/2025	15:22	LB135689

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	9630	10000	96	90 - 110	P	05/06/2025	16:29	LB135689
	Antimony	4790	5000	96	90 - 110	P	05/06/2025	16:29	LB135689
	Arsenic	4780	5000	96	90 - 110	P	05/06/2025	16:29	LB135689
	Barium	9340	10000	93	90 - 110	P	05/06/2025	16:29	LB135689
	Beryllium	249	250	100	90 - 110	P	05/06/2025	16:29	LB135689
	Cadmium	2390	2500	95	90 - 110	P	05/06/2025	16:29	LB135689
	Calcium	23900	25000	96	90 - 110	P	05/06/2025	16:29	LB135689
	Chromium	998	1000	100	90 - 110	P	05/06/2025	16:29	LB135689
	Cobalt	2390	2500	96	90 - 110	P	05/06/2025	16:29	LB135689
	Copper	1210	1250	97	90 - 110	P	05/06/2025	16:29	LB135689
	Iron	5040	5000	101	90 - 110	P	05/06/2025	16:29	LB135689
	Lead	5030	5000	101	90 - 110	P	05/06/2025	16:29	LB135689
	Magnesium	23900	25000	95	90 - 110	P	05/06/2025	16:29	LB135689
	Manganese	2400	2500	96	90 - 110	P	05/06/2025	16:29	LB135689
	Nickel	2400	2500	96	90 - 110	P	05/06/2025	16:29	LB135689
	Potassium	23900	25000	95	90 - 110	P	05/06/2025	16:29	LB135689
	Selenium	4800	5000	96	90 - 110	P	05/06/2025	16:29	LB135689
	Silver	1240	1250	99	90 - 110	P	05/06/2025	16:29	LB135689
	Sodium	24100	25000	96	90 - 110	P	05/06/2025	16:29	LB135689
	Thallium	4670	5000	94	90 - 110	P	05/06/2025	16:29	LB135689
	Vanadium	2400	2500	96	90 - 110	P	05/06/2025	16:29	LB135689
	Zinc	2470	2500	99	90 - 110	P	05/06/2025	16:29	LB135689
CCV02	Aluminum	9480	10000	95	90 - 110	P	05/06/2025	17:15	LB135689
	Antimony	4750	5000	95	90 - 110	P	05/06/2025	17:15	LB135689
	Arsenic	4730	5000	95	90 - 110	P	05/06/2025	17:15	LB135689
	Barium	9710	10000	97	90 - 110	P	05/06/2025	17:15	LB135689
	Beryllium	237	250	95	90 - 110	P	05/06/2025	17:15	LB135689
	Cadmium	2390	2500	96	90 - 110	P	05/06/2025	17:15	LB135689
	Calcium	24000	25000	96	90 - 110	P	05/06/2025	17:15	LB135689
	Chromium	962	1000	96	90 - 110	P	05/06/2025	17:15	LB135689
	Cobalt	2390	2500	96	90 - 110	P	05/06/2025	17:15	LB135689
	Copper	1200	1250	96	90 - 110	P	05/06/2025	17:15	LB135689
	Iron	5000	5000	100	90 - 110	P	05/06/2025	17:15	LB135689
	Lead	4890	5000	98	90 - 110	P	05/06/2025	17:15	LB135689

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	23700	25000	95	90 - 110	P	05/06/2025	17:15	LB135689
	Manganese	2410	2500	96	90 - 110	P	05/06/2025	17:15	LB135689
	Nickel	2390	2500	96	90 - 110	P	05/06/2025	17:15	LB135689
	Potassium	24100	25000	96	90 - 110	P	05/06/2025	17:15	LB135689
	Selenium	4750	5000	95	90 - 110	P	05/06/2025	17:15	LB135689
	Silver	1200	1250	96	90 - 110	P	05/06/2025	17:15	LB135689
	Sodium	24100	25000	96	90 - 110	P	05/06/2025	17:15	LB135689
	Thallium	4770	5000	96	90 - 110	P	05/06/2025	17:15	LB135689
	Vanadium	2390	2500	95	90 - 110	P	05/06/2025	17:15	LB135689
	Zinc	2410	2500	96	90 - 110	P	05/06/2025	17:15	LB135689
CCV03	Aluminum	9460	10000	95	90 - 110	P	05/06/2025	18:08	LB135689
	Antimony	4590	5000	92	90 - 110	P	05/06/2025	18:08	LB135689
	Arsenic	4570	5000	92	90 - 110	P	05/06/2025	18:08	LB135689
	Barium	9450	10000	94	90 - 110	P	05/06/2025	18:08	LB135689
	Beryllium	240	250	96	90 - 110	P	05/06/2025	18:08	LB135689
	Cadmium	2340	2500	94	90 - 110	P	05/06/2025	18:08	LB135689
	Calcium	23700	25000	95	90 - 110	P	05/06/2025	18:08	LB135689
	Chromium	954	1000	95	90 - 110	P	05/06/2025	18:08	LB135689
	Cobalt	2340	2500	94	90 - 110	P	05/06/2025	18:08	LB135689
	Copper	1170	1250	94	90 - 110	P	05/06/2025	18:08	LB135689
	Iron	4700	5000	94	90 - 110	P	05/06/2025	18:08	LB135689
	Lead	4690	5000	94	90 - 110	P	05/06/2025	18:08	LB135689
	Magnesium	23600	25000	94	90 - 110	P	05/06/2025	18:08	LB135689
	Manganese	2390	2500	95	90 - 110	P	05/06/2025	18:08	LB135689
	Nickel	2340	2500	94	90 - 110	P	05/06/2025	18:08	LB135689
	Potassium	23200	25000	93	90 - 110	P	05/06/2025	18:08	LB135689
	Selenium	4550	5000	91	90 - 110	P	05/06/2025	18:08	LB135689
	Silver	1180	1250	94	90 - 110	P	05/06/2025	18:08	LB135689
	Sodium	23300	25000	93	90 - 110	P	05/06/2025	18:08	LB135689
	Thallium	4710	5000	94	90 - 110	P	05/06/2025	18:08	LB135689
	Vanadium	2360	2500	94	90 - 110	P	05/06/2025	18:08	LB135689
	Zinc	2370	2500	95	90 - 110	P	05/06/2025	18:08	LB135689
CCV04	Aluminum	9960	10000	100	90 - 110	P	05/06/2025	19:16	LB135689
	Antimony	4840	5000	97	90 - 110	P	05/06/2025	19:16	LB135689

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	4840	5000	97	90 - 110	P	05/06/2025	19:16	LB135689
	Barium	9930	10000	99	90 - 110	P	05/06/2025	19:16	LB135689
	Beryllium	264	250	106	90 - 110	P	05/06/2025	19:16	LB135689
	Cadmium	2470	2500	99	90 - 110	P	05/06/2025	19:16	LB135689
	Calcium	25000	25000	100	90 - 110	P	05/06/2025	19:16	LB135689
	Chromium	988	1000	99	90 - 110	P	05/06/2025	19:16	LB135689
	Cobalt	2470	2500	99	90 - 110	P	05/06/2025	19:16	LB135689
	Copper	1240	1250	99	90 - 110	P	05/06/2025	19:16	LB135689
	Iron	4820	5000	96	90 - 110	P	05/06/2025	19:16	LB135689
	Lead	4970	5000	99	90 - 110	P	05/06/2025	19:16	LB135689
	Magnesium	24900	25000	100	90 - 110	P	05/06/2025	19:16	LB135689
	Manganese	2530	2500	101	90 - 110	P	05/06/2025	19:16	LB135689
	Nickel	2470	2500	99	90 - 110	P	05/06/2025	19:16	LB135689
	Potassium	23600	25000	94	90 - 110	P	05/06/2025	19:16	LB135689
	Selenium	4820	5000	96	90 - 110	P	05/06/2025	19:16	LB135689
	Silver	1240	1250	99	90 - 110	P	05/06/2025	19:16	LB135689
	Sodium	23500	25000	94	90 - 110	P	05/06/2025	19:16	LB135689
	Thallium	4760	5000	95	90 - 110	P	05/06/2025	19:16	LB135689
	Vanadium	2470	2500	99	90 - 110	P	05/06/2025	19:16	LB135689
	Zinc	2490	2500	100	90 - 110	P	05/06/2025	19:16	LB135689
CCV05	Aluminum	10000	10000	100	90 - 110	P	05/06/2025	20:01	LB135689
	Antimony	4800	5000	96	90 - 110	P	05/06/2025	20:01	LB135689
	Arsenic	4780	5000	96	90 - 110	P	05/06/2025	20:01	LB135689
	Barium	9940	10000	99	90 - 110	P	05/06/2025	20:01	LB135689
	Beryllium	260	250	104	90 - 110	P	05/06/2025	20:01	LB135689
	Cadmium	2460	2500	99	90 - 110	P	05/06/2025	20:01	LB135689
	Calcium	25000	25000	100	90 - 110	P	05/06/2025	20:01	LB135689
	Chromium	995	1000	100	90 - 110	P	05/06/2025	20:01	LB135689
	Cobalt	2450	2500	98	90 - 110	P	05/06/2025	20:01	LB135689
	Copper	1230	1250	98	90 - 110	P	05/06/2025	20:01	LB135689
	Iron	4860	5000	97	90 - 110	P	05/06/2025	20:01	LB135689
	Lead	4900	5000	98	90 - 110	P	05/06/2025	20:01	LB135689
	Magnesium	25000	25000	100	90 - 110	P	05/06/2025	20:01	LB135689
	Manganese	2520	2500	101	90 - 110	P	05/06/2025	20:01	LB135689

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	2450	2500	98	90 - 110	P	05/06/2025	20:01	LB135689
	Potassium	23700	25000	95	90 - 110	P	05/06/2025	20:01	LB135689
	Selenium	4730	5000	95	90 - 110	P	05/06/2025	20:01	LB135689
	Silver	1230	1250	99	90 - 110	P	05/06/2025	20:01	LB135689
	Sodium	23700	25000	95	90 - 110	P	05/06/2025	20:01	LB135689
	Thallium	4800	5000	96	90 - 110	P	05/06/2025	20:01	LB135689
	Vanadium	2470	2500	99	90 - 110	P	05/06/2025	20:01	LB135689
	Zinc	2480	2500	99	90 - 110	P	05/06/2025	20:01	LB135689
CCV06	Aluminum	9830	10000	98	90 - 110	P	05/06/2025	20:31	LB135689
	Antimony	4880	5000	98	90 - 110	P	05/06/2025	20:31	LB135689
	Arsenic	4840	5000	97	90 - 110	P	05/06/2025	20:31	LB135689
	Barium	9850	10000	98	90 - 110	P	05/06/2025	20:31	LB135689
	Beryllium	241	250	96	90 - 110	P	05/06/2025	20:31	LB135689
	Cadmium	2440	2500	98	90 - 110	P	05/06/2025	20:31	LB135689
	Calcium	24400	25000	98	90 - 110	P	05/06/2025	20:31	LB135689
	Chromium	975	1000	98	90 - 110	P	05/06/2025	20:31	LB135689
	Cobalt	2430	2500	97	90 - 110	P	05/06/2025	20:31	LB135689
	Copper	1240	1250	99	90 - 110	P	05/06/2025	20:31	LB135689
	Iron	4920	5000	98	90 - 110	P	05/06/2025	20:31	LB135689
	Lead	4870	5000	97	90 - 110	P	05/06/2025	20:31	LB135689
	Magnesium	24300	25000	97	90 - 110	P	05/06/2025	20:31	LB135689
	Manganese	2440	2500	98	90 - 110	P	05/06/2025	20:31	LB135689
	Nickel	2430	2500	97	90 - 110	P	05/06/2025	20:31	LB135689
	Potassium	24200	25000	97	90 - 110	P	05/06/2025	20:31	LB135689
	Selenium	4820	5000	96	90 - 110	P	05/06/2025	20:31	LB135689
	Silver	1210	1250	97	90 - 110	P	05/06/2025	20:31	LB135689
	Sodium	24400	25000	98	90 - 110	P	05/06/2025	20:31	LB135689
	Thallium	4750	5000	95	90 - 110	P	05/06/2025	20:31	LB135689
	Vanadium	2430	2500	97	90 - 110	P	05/06/2025	20:31	LB135689
	Zinc	2440	2500	98	90 - 110	P	05/06/2025	20:31	LB135689

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	2310	2500	92	90 - 110	P	05/07/2025	12:59	LB135699
	Antimony	965	1000	96	90 - 110	P	05/07/2025	12:59	LB135699
	Arsenic	968	1000	97	90 - 110	P	05/07/2025	12:59	LB135699
	Barium	534	520	103	90 - 110	P	05/07/2025	12:59	LB135699
	Beryllium	515	510	101	90 - 110	P	05/07/2025	12:59	LB135699
	Cadmium	501	510	98	90 - 110	P	05/07/2025	12:59	LB135699
	Calcium	9400	10000	94	90 - 110	P	05/07/2025	12:59	LB135699
	Chromium	503	520	97	90 - 110	P	05/07/2025	12:59	LB135699
	Cobalt	488	520	94	90 - 110	P	05/07/2025	12:59	LB135699
	Copper	495	510	97	90 - 110	P	05/07/2025	12:59	LB135699
	Iron	11000	10000	110	90 - 110	P	05/07/2025	12:59	LB135699
	Lead	980	1000	98	90 - 110	P	05/07/2025	12:59	LB135699
	Magnesium	5440	6000	91	90 - 110	P	05/07/2025	12:59	LB135699
	Manganese	488	520	94	90 - 110	P	05/07/2025	12:59	LB135699
	Nickel	492	530	93	90 - 110	P	05/07/2025	12:59	LB135699
	Potassium	10600	9900	107	90 - 110	P	05/07/2025	12:59	LB135699
	Selenium	996	1000	100	90 - 110	P	05/07/2025	12:59	LB135699
	Silver	231	250	93	90 - 110	P	05/07/2025	12:59	LB135699
	Sodium	10100	10000	101	90 - 110	P	05/07/2025	12:59	LB135699
	Thallium	1020	1000	102	90 - 110	P	05/07/2025	12:59	LB135699
	Vanadium	466	500	93	90 - 110	P	05/07/2025	12:59	LB135699
	Zinc	970	1000	97	90 - 110	P	05/07/2025	12:59	LB135699

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	101	100	101	80 - 120	P	05/07/2025	13:05	LB135699
	Antimony	50.9	50.0	102	80 - 120	P	05/07/2025	13:05	LB135699
	Arsenic	19.8	20.0	99	80 - 120	P	05/07/2025	13:05	LB135699
	Barium	86.9	100	87	80 - 120	P	05/07/2025	13:05	LB135699
	Beryllium	5.69	6.0	95	80 - 120	P	05/07/2025	13:05	LB135699
	Cadmium	6.10	6.0	102	80 - 120	P	05/07/2025	13:05	LB135699
	Calcium	1950	2000	97	80 - 120	P	05/07/2025	13:05	LB135699
	Chromium	9.59	10.0	96	80 - 120	P	05/07/2025	13:05	LB135699
	Cobalt	28.7	30.0	96	80 - 120	P	05/07/2025	13:05	LB135699
	Copper	21.5	20.0	108	80 - 120	P	05/07/2025	13:05	LB135699
	Iron	97.0	100	97	80 - 120	P	05/07/2025	13:05	LB135699
	Lead	12.8	12.0	106	80 - 120	P	05/07/2025	13:05	LB135699
	Magnesium	2040	2000	102	80 - 120	P	05/07/2025	13:05	LB135699
	Manganese	22.5	20.0	113	80 - 120	P	05/07/2025	13:05	LB135699
	Nickel	38.9	40.0	97	80 - 120	P	05/07/2025	13:05	LB135699
	Potassium	1880	2000	94	80 - 120	P	05/07/2025	13:05	LB135699
	Selenium	18.3	20.0	91	80 - 120	P	05/07/2025	13:05	LB135699
	Silver	10.3	10.0	103	80 - 120	P	05/07/2025	13:05	LB135699
	Sodium	1790	2000	89	80 - 120	P	05/07/2025	13:05	LB135699
	Thallium	43.2	40.0	108	80 - 120	P	05/07/2025	13:05	LB135699
	Vanadium	40.8	40.0	102	80 - 120	P	05/07/2025	13:05	LB135699
	Zinc	41.0	40.0	102	80 - 120	P	05/07/2025	13:05	LB135699

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	10100	10000	101	90 - 110	P	05/07/2025	13:39	LB135699
	Antimony	5020	5000	100	90 - 110	P	05/07/2025	13:39	LB135699
	Arsenic	5080	5000	102	90 - 110	P	05/07/2025	13:39	LB135699
	Barium	9770	10000	98	90 - 110	P	05/07/2025	13:39	LB135699
	Beryllium	267	250	107	90 - 110	P	05/07/2025	13:39	LB135699
	Cadmium	2570	2500	103	90 - 110	P	05/07/2025	13:39	LB135699
	Calcium	25600	25000	102	90 - 110	P	05/07/2025	13:39	LB135699
	Chromium	1050	1000	104	90 - 110	P	05/07/2025	13:39	LB135699
	Cobalt	2550	2500	102	90 - 110	P	05/07/2025	13:39	LB135699
	Copper	1280	1250	102	90 - 110	P	05/07/2025	13:39	LB135699
	Iron	4960	5000	99	90 - 110	P	05/07/2025	13:39	LB135699
	Lead	5150	5000	103	90 - 110	P	05/07/2025	13:39	LB135699
	Magnesium	25600	25000	102	90 - 110	P	05/07/2025	13:39	LB135699
	Manganese	2520	2500	101	90 - 110	P	05/07/2025	13:39	LB135699
	Nickel	2570	2500	103	90 - 110	P	05/07/2025	13:39	LB135699
	Potassium	24200	25000	97	90 - 110	P	05/07/2025	13:39	LB135699
	Selenium	5050	5000	101	90 - 110	P	05/07/2025	13:39	LB135699
	Silver	1280	1250	102	90 - 110	P	05/07/2025	13:39	LB135699
	Sodium	23900	25000	96	90 - 110	P	05/07/2025	13:39	LB135699
	Thallium	5090	5000	102	90 - 110	P	05/07/2025	13:39	LB135699
	Vanadium	2530	2500	101	90 - 110	P	05/07/2025	13:39	LB135699
	Zinc	2540	2500	102	90 - 110	P	05/07/2025	13:39	LB135699
CCV02	Aluminum	10100	10000	102	90 - 110	P	05/07/2025	14:35	LB135699
	Antimony	5040	5000	101	90 - 110	P	05/07/2025	14:35	LB135699
	Arsenic	5050	5000	101	90 - 110	P	05/07/2025	14:35	LB135699
	Barium	10000	10000	100	90 - 110	P	05/07/2025	14:35	LB135699
	Beryllium	260	250	104	90 - 110	P	05/07/2025	14:35	LB135699
	Cadmium	2490	2500	100	90 - 110	P	05/07/2025	14:35	LB135699
	Calcium	24900	25000	100	90 - 110	P	05/07/2025	14:35	LB135699
	Chromium	1020	1000	102	90 - 110	P	05/07/2025	14:35	LB135699
	Cobalt	2490	2500	100	90 - 110	P	05/07/2025	14:35	LB135699
	Copper	1270	1250	101	90 - 110	P	05/07/2025	14:35	LB135699
	Iron	4870	5000	97	90 - 110	P	05/07/2025	14:35	LB135699
	Lead	5030	5000	101	90 - 110	P	05/07/2025	14:35	LB135699

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	24800	25000	99	90 - 110	P	05/07/2025	14:35	LB135699
	Manganese	2470	2500	99	90 - 110	P	05/07/2025	14:35	LB135699
	Nickel	2500	2500	100	90 - 110	P	05/07/2025	14:35	LB135699
	Potassium	24200	25000	97	90 - 110	P	05/07/2025	14:35	LB135699
	Selenium	5040	5000	101	90 - 110	P	05/07/2025	14:35	LB135699
	Silver	1270	1250	101	90 - 110	P	05/07/2025	14:35	LB135699
	Sodium	24100	25000	96	90 - 110	P	05/07/2025	14:35	LB135699
	Thallium	5120	5000	102	90 - 110	P	05/07/2025	14:35	LB135699
	Vanadium	2490	2500	100	90 - 110	P	05/07/2025	14:35	LB135699
	Zinc	2540	2500	102	90 - 110	P	05/07/2025	14:35	LB135699
CCV03	Aluminum	9790	10000	98	90 - 110	P	05/07/2025	15:23	LB135699
	Antimony	4870	5000	97	90 - 110	P	05/07/2025	15:23	LB135699
	Arsenic	4880	5000	98	90 - 110	P	05/07/2025	15:23	LB135699
	Barium	9500	10000	95	90 - 110	P	05/07/2025	15:23	LB135699
	Beryllium	256	250	102	90 - 110	P	05/07/2025	15:23	LB135699
	Cadmium	2420	2500	97	90 - 110	P	05/07/2025	15:23	LB135699
	Calcium	24500	25000	98	90 - 110	P	05/07/2025	15:23	LB135699
	Chromium	993	1000	99	90 - 110	P	05/07/2025	15:23	LB135699
	Cobalt	2420	2500	97	90 - 110	P	05/07/2025	15:23	LB135699
	Copper	1220	1250	98	90 - 110	P	05/07/2025	15:23	LB135699
	Iron	4820	5000	96	90 - 110	P	05/07/2025	15:23	LB135699
	Lead	4870	5000	97	90 - 110	P	05/07/2025	15:23	LB135699
	Magnesium	24500	25000	98	90 - 110	P	05/07/2025	15:23	LB135699
	Manganese	2430	2500	97	90 - 110	P	05/07/2025	15:23	LB135699
	Nickel	2430	2500	97	90 - 110	P	05/07/2025	15:23	LB135699
	Potassium	23400	25000	94	90 - 110	P	05/07/2025	15:23	LB135699
	Selenium	4900	5000	98	90 - 110	P	05/07/2025	15:23	LB135699
	Silver	1230	1250	98	90 - 110	P	05/07/2025	15:23	LB135699
	Sodium	23100	25000	92	90 - 110	P	05/07/2025	15:23	LB135699
	Thallium	5080	5000	102	90 - 110	P	05/07/2025	15:23	LB135699
	Vanadium	2430	2500	97	90 - 110	P	05/07/2025	15:23	LB135699
	Zinc	2450	2500	98	90 - 110	P	05/07/2025	15:23	LB135699
CCV04	Aluminum	9600	10000	96	90 - 110	P	05/07/2025	16:05	LB135699
	Antimony	4860	5000	97	90 - 110	P	05/07/2025	16:05	LB135699

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	05/07/2025	16:05	LB135699
	Barium	9490	10000	95	90 - 110	P	05/07/2025	16:05	LB135699
	Beryllium	236	250	94	90 - 110	P	05/07/2025	16:05	LB135699
	Cadmium	2400	2500	96	90 - 110	P	05/07/2025	16:05	LB135699
	Calcium	24100	25000	96	90 - 110	P	05/07/2025	16:05	LB135699
	Chromium	968	1000	97	90 - 110	P	05/07/2025	16:05	LB135699
	Cobalt	2400	2500	96	90 - 110	P	05/07/2025	16:05	LB135699
	Copper	1220	1250	97	90 - 110	P	05/07/2025	16:05	LB135699
	Iron	4800	5000	96	90 - 110	P	05/07/2025	16:05	LB135699
	Lead	4840	5000	97	90 - 110	P	05/07/2025	16:05	LB135699
	Magnesium	23700	25000	95	90 - 110	P	05/07/2025	16:05	LB135699
	Manganese	2380	2500	95	90 - 110	P	05/07/2025	16:05	LB135699
	Nickel	2410	2500	96	90 - 110	P	05/07/2025	16:05	LB135699
	Potassium	23300	25000	93	90 - 110	P	05/07/2025	16:05	LB135699
	Selenium	4860	5000	97	90 - 110	P	05/07/2025	16:05	LB135699
	Silver	1180	1250	95	90 - 110	P	05/07/2025	16:05	LB135699
	Sodium	23000	25000	92	90 - 110	P	05/07/2025	16:05	LB135699
	Thallium	5120	5000	102	90 - 110	P	05/07/2025	16:05	LB135699
	Vanadium	2410	2500	96	90 - 110	P	05/07/2025	16:05	LB135699
	Zinc	2390	2500	96	90 - 110	P	05/07/2025	16:05	LB135699
CCV05	Aluminum	9820	10000	98	90 - 110	P	05/07/2025	16:47	LB135699
	Antimony	5170	5000	103	90 - 110	P	05/07/2025	16:47	LB135699
	Arsenic	5140	5000	103	90 - 110	P	05/07/2025	16:47	LB135699
	Barium	9560	10000	96	90 - 110	P	05/07/2025	16:47	LB135699
	Beryllium	233	250	93	90 - 110	P	05/07/2025	16:47	LB135699
	Cadmium	2360	2500	95	90 - 110	P	05/07/2025	16:47	LB135699
	Calcium	23500	25000	94	90 - 110	P	05/07/2025	16:47	LB135699
	Chromium	965	1000	96	90 - 110	P	05/07/2025	16:47	LB135699
	Cobalt	2390	2500	95	90 - 110	P	05/07/2025	16:47	LB135699
	Copper	1280	1250	102	90 - 110	P	05/07/2025	16:47	LB135699
	Iron	4960	5000	99	90 - 110	P	05/07/2025	16:47	LB135699
	Lead	4800	5000	96	90 - 110	P	05/07/2025	16:47	LB135699
	Magnesium	22800	25000	91	90 - 110	P	05/07/2025	16:47	LB135699
	Manganese	2330	2500	93	90 - 110	P	05/07/2025	16:47	LB135699

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	2410	2500	96	90 - 110	P	05/07/2025	16:47	LB135699
	Potassium	25000	25000	100	90 - 110	P	05/07/2025	16:47	LB135699
	Selenium	5200	5000	104	90 - 110	P	05/07/2025	16:47	LB135699
	Silver	1220	1250	98	90 - 110	P	05/07/2025	16:47	LB135699
	Sodium	24900	25000	100	90 - 110	P	05/07/2025	16:47	LB135699
	Thallium	5060	5000	101	90 - 110	P	05/07/2025	16:47	LB135699
	Vanadium	2400	2500	96	90 - 110	P	05/07/2025	16:47	LB135699
	Zinc	2480	2500	99	90 - 110	P	05/07/2025	16:47	LB135699

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- 2b -
CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	0.23	0.2	113	40 - 160	CV	05/05/2025	08:39	LB135655
CRI01	Aluminum	99.6	100	100	40 - 160	P	05/05/2025	14:47	LB135674
	Antimony	52.8	50.0	106	40 - 160	P	05/05/2025	14:47	LB135674
	Arsenic	20.6	20.0	103	40 - 160	P	05/05/2025	14:47	LB135674
	Barium	92.2	100	92	40 - 160	P	05/05/2025	14:47	LB135674
	Beryllium	5.85	6.0	98	40 - 160	P	05/05/2025	14:47	LB135674
	Cadmium	5.79	6.0	96	40 - 160	P	05/05/2025	14:47	LB135674
	Calcium	2000	2000	100	40 - 160	P	05/05/2025	14:47	LB135674
	Chromium	10.3	10.0	103	40 - 160	P	05/05/2025	14:47	LB135674
	Cobalt	29.6	30.0	99	40 - 160	P	05/05/2025	14:47	LB135674
	Copper	22.4	20.0	112	40 - 160	P	05/05/2025	14:47	LB135674
	Iron	93.9	100	94	40 - 160	P	05/05/2025	14:47	LB135674
	Lead	11.2	12.0	93	40 - 160	P	05/05/2025	14:47	LB135674
	Magnesium	2100	2000	105	40 - 160	P	05/05/2025	14:47	LB135674
	Manganese	18.0	20.0	90	40 - 160	P	05/05/2025	14:47	LB135674
	Nickel	39.9	40.0	100	40 - 160	P	05/05/2025	14:47	LB135674
	Potassium	2020	2000	101	40 - 160	P	05/05/2025	14:47	LB135674
	Selenium	22.8	20.0	114	40 - 160	P	05/05/2025	14:47	LB135674
	Silver	10.3	10.0	103	40 - 160	P	05/05/2025	14:47	LB135674
	Sodium	2000	2000	100	40 - 160	P	05/05/2025	14:47	LB135674
	Thallium	42.8	40.0	107	40 - 160	P	05/05/2025	14:47	LB135674
	Vanadium	41.7	40.0	104	40 - 160	P	05/05/2025	14:47	LB135674
	Zinc	42.7	40.0	107	40 - 160	P	05/05/2025	14:47	LB135674
CRI01	Aluminum	102	100	102	40 - 160	P	05/06/2025	15:31	LB135689
	Antimony	50.4	50.0	101	40 - 160	P	05/06/2025	15:31	LB135689
	Arsenic	20.3	20.0	101	40 - 160	P	05/06/2025	15:31	LB135689
	Barium	89.4	100	89	40 - 160	P	05/06/2025	15:31	LB135689
	Beryllium	5.91	6.0	98	40 - 160	P	05/06/2025	15:31	LB135689
	Cadmium	5.91	6.0	98	40 - 160	P	05/06/2025	15:31	LB135689
	Calcium	1950	2000	97	40 - 160	P	05/06/2025	15:31	LB135689
	Chromium	9.54	10.0	95	40 - 160	P	05/06/2025	15:31	LB135689
	Cobalt	28.3	30.0	94	40 - 160	P	05/06/2025	15:31	LB135689
	Copper	21.6	20.0	108	40 - 160	P	05/06/2025	15:31	LB135689
	Iron	95.6	100	96	40 - 160	P	05/06/2025	15:31	LB135689
	Lead	10.0	12.0	83	40 - 160	P	05/06/2025	15:31	LB135689

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Metals

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CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	Magnesium	2050	2000	102	40 - 160	P	05/06/2025	15:31	LB135689
	Manganese	19.8	20.0	99	40 - 160	P	05/06/2025	15:31	LB135689
	Nickel	38.6	40.0	97	40 - 160	P	05/06/2025	15:31	LB135689
	Potassium	1730	2000	87	40 - 160	P	05/06/2025	15:31	LB135689
	Selenium	22.5	20.0	112	40 - 160	P	05/06/2025	15:31	LB135689
	Silver	9.66	10.0	97	40 - 160	P	05/06/2025	15:31	LB135689
	Sodium	1760	2000	88	40 - 160	P	05/06/2025	15:31	LB135689
	Thallium	37.5	40.0	94	40 - 160	P	05/06/2025	15:31	LB135689
	Vanadium	39.4	40.0	98	40 - 160	P	05/06/2025	15:31	LB135689
	Zinc	39.7	40.0	99	40 - 160	P	05/06/2025	15:31	LB135689
CRI01	Aluminum	95.9	100	96	40 - 160	P	05/07/2025	13:16	LB135699
	Antimony	51.7	50.0	103	40 - 160	P	05/07/2025	13:16	LB135699
	Arsenic	19.7	20.0	98	40 - 160	P	05/07/2025	13:16	LB135699
	Barium	88.3	100	88	40 - 160	P	05/07/2025	13:16	LB135699
	Beryllium	5.55	6.0	92	40 - 160	P	05/07/2025	13:16	LB135699
	Cadmium	6.09	6.0	102	40 - 160	P	05/07/2025	13:16	LB135699
	Calcium	1950	2000	98	40 - 160	P	05/07/2025	13:16	LB135699
	Chromium	9.49	10.0	95	40 - 160	P	05/07/2025	13:16	LB135699
	Cobalt	29.1	30.0	97	40 - 160	P	05/07/2025	13:16	LB135699
	Copper	21.5	20.0	108	40 - 160	P	05/07/2025	13:16	LB135699
	Iron	96.4	100	96	40 - 160	P	05/07/2025	13:16	LB135699
	Lead	13.4	12.0	112	40 - 160	P	05/07/2025	13:16	LB135699
	Magnesium	2010	2000	100	40 - 160	P	05/07/2025	13:16	LB135699
	Manganese	22.3	20.0	112	40 - 160	P	05/07/2025	13:16	LB135699
	Nickel	39.2	40.0	98	40 - 160	P	05/07/2025	13:16	LB135699
	Potassium	1850	2000	93	40 - 160	P	05/07/2025	13:16	LB135699
	Selenium	16.5	20.0	82	40 - 160	P	05/07/2025	13:16	LB135699
	Silver	10.2	10.0	102	40 - 160	P	05/07/2025	13:16	LB135699
	Sodium	1790	2000	90	40 - 160	P	05/07/2025	13:16	LB135699
	Thallium	43.0	40.0	108	40 - 160	P	05/07/2025	13:16	LB135699
	Vanadium	40.2	40.0	101	40 - 160	P	05/07/2025	13:16	LB135699
	Zinc	40.3	40.0	101	40 - 160	P	05/07/2025	13:16	LB135699

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	240000	255000	94	216000	294000	05/05/2025	14:52	LB135674
	Antimony	-3.42			-50	50	05/05/2025	14:52	LB135674
	Arsenic	4.47			-20	20	05/05/2025	14:52	LB135674
	Barium	0.40	6.0	7	-94	106	05/05/2025	14:52	LB135674
	Beryllium	1.29			-6	6	05/05/2025	14:52	LB135674
	Cadmium	-1.99	1.0	199	-5	7	05/05/2025	14:52	LB135674
	Calcium	226000	245000	92	208000	282000	05/05/2025	14:52	LB135674
	Chromium	53.8	52.0	104	42	62	05/05/2025	14:52	LB135674
	Cobalt	1.10			-30	30	05/05/2025	14:52	LB135674
	Copper	12.1	2.0	605	-18	22	05/05/2025	14:52	LB135674
	Iron	91500	101000	91	85600	116500	05/05/2025	14:52	LB135674
	Lead	-1.42			-12	12	05/05/2025	14:52	LB135674
	Magnesium	242000	255000	95	216000	294000	05/05/2025	14:52	LB135674
	Manganese	1.97	7.0	28	-13	27	05/05/2025	14:52	LB135674
	Nickel	1.16	2.0	58	-38	42	05/05/2025	14:52	LB135674
	Potassium	-11.6			0	0	05/05/2025	14:52	LB135674
	Selenium	-15.2			-20	20	05/05/2025	14:52	LB135674
	Silver	0.79			-10	10	05/05/2025	14:52	LB135674
	Sodium	7.57			0	0	05/05/2025	14:52	LB135674
	Thallium	5.95			-40	40	05/05/2025	14:52	LB135674
	Vanadium	1.94			-40	40	05/05/2025	14:52	LB135674
	Zinc	3.23			-40	40	05/05/2025	14:52	LB135674
ICSAB01	Aluminum	233000	247000	94	209000	285000	05/05/2025	15:07	LB135674
	Antimony	651	618	105	525	711	05/05/2025	15:07	LB135674
	Arsenic	112	104	108	88.4	120	05/05/2025	15:07	LB135674
	Barium	496	537	92	437	637	05/05/2025	15:07	LB135674
	Beryllium	504	495	102	420	570	05/05/2025	15:07	LB135674
	Cadmium	1050	972	108	826	1120	05/05/2025	15:07	LB135674
	Calcium	219000	235000	93	199000	271000	05/05/2025	15:07	LB135674
	Chromium	572	542	106	460	624	05/05/2025	15:07	LB135674
	Cobalt	517	476	109	404	548	05/05/2025	15:07	LB135674
	Copper	520	511	102	434	588	05/05/2025	15:07	LB135674
	Iron	93700	99300	94	84400	114500	05/05/2025	15:07	LB135674
	Lead	48.4	49.0	99	37	61	05/05/2025	15:07	LB135674
	Magnesium	234000	248000	94	210000	286000	05/05/2025	15:07	LB135674
	Manganese	491	507	97	430	584	05/05/2025	15:07	LB135674
	Nickel	1020	954	107	810	1100	05/05/2025	15:07	LB135674
	Potassium	-13.2			0	0	05/05/2025	15:07	LB135674
	Selenium	35.7	46.0	78	26	66	05/05/2025	15:07	LB135674
	Silver	195	201	97	170	232	05/05/2025	15:07	LB135674
	Sodium	-28.0			0	0	05/05/2025	15:07	LB135674
	Thallium	104	108	96	68	148	05/05/2025	15:07	LB135674

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	487	491	99	417	565	05/05/2025	15:07	LB135674
	Zinc	1070	952	112	809	1095	05/05/2025	15:07	LB135674
ICSA01	Aluminum	237000	255000	93	216000	294000	05/06/2025	15:50	LB135689
	Antimony	-1.78			-50	50	05/06/2025	15:50	LB135689
	Arsenic	4.12			-20	20	05/06/2025	15:50	LB135689
	Barium	2.93	6.0	49	-94	106	05/06/2025	15:50	LB135689
	Beryllium	1.32			-6	6	05/06/2025	15:50	LB135689
	Cadmium	-2.60	1.0	260	-5	7	05/06/2025	15:50	LB135689
	Calcium	225000	245000	92	208000	282000	05/06/2025	15:50	LB135689
	Chromium	52.9	52.0	102	42	62	05/06/2025	15:50	LB135689
	Cobalt	0.63			-30	30	05/06/2025	15:50	LB135689
	Copper	-0.0080	2.0		-18	22	05/06/2025	15:50	LB135689
	Iron	91100	101000	90	85600	116500	05/06/2025	15:50	LB135689
	Lead	0.71			-12	12	05/06/2025	15:50	LB135689
	Magnesium	240000	255000	94	216000	294000	05/06/2025	15:50	LB135689
	Manganese	1.70	7.0	24	-13	27	05/06/2025	15:50	LB135689
	Nickel	1.98	2.0	99	-38	42	05/06/2025	15:50	LB135689
	Potassium	-66.1			0	0	05/06/2025	15:50	LB135689
	Selenium	-10.5			-20	20	05/06/2025	15:50	LB135689
	Silver	0.23			-10	10	05/06/2025	15:50	LB135689
	Sodium	-51.3			0	0	05/06/2025	15:50	LB135689
	Thallium	4.79			-40	40	05/06/2025	15:50	LB135689
	Vanadium	1.20			-40	40	05/06/2025	15:50	LB135689
	Zinc	3.59			-40	40	05/06/2025	15:50	LB135689
ICSAB01	Aluminum	230000	247000	93	209000	285000	05/06/2025	15:55	LB135689
	Antimony	641	618	104	525	711	05/06/2025	15:55	LB135689
	Arsenic	114	104	110	88.4	120	05/06/2025	15:55	LB135689
	Barium	512	537	95	437	637	05/06/2025	15:55	LB135689
	Beryllium	505	495	102	420	570	05/06/2025	15:55	LB135689
	Cadmium	1060	972	109	826	1120	05/06/2025	15:55	LB135689
	Calcium	220000	235000	94	199000	271000	05/06/2025	15:55	LB135689
	Chromium	576	542	106	460	624	05/06/2025	15:55	LB135689
	Cobalt	523	476	110	404	548	05/06/2025	15:55	LB135689
	Copper	516	511	101	434	588	05/06/2025	15:55	LB135689
	Iron	94200	99300	95	84400	114500	05/06/2025	15:55	LB135689
	Lead	48.7	49.0	99	37	61	05/06/2025	15:55	LB135689
	Magnesium	232000	248000	94	210000	286000	05/06/2025	15:55	LB135689
	Manganese	507	507	100	430	584	05/06/2025	15:55	LB135689
	Nickel	1040	954	109	810	1100	05/06/2025	15:55	LB135689
	Potassium	-56.0			0	0	05/06/2025	15:55	LB135689
	Selenium	41.3	46.0	90	26	66	05/06/2025	15:55	LB135689
	Silver	195	201	97	170	232	05/06/2025	15:55	LB135689

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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	-60.0			0	0	05/06/2025	15:55	LB135689
	Thallium	112	108	104	68	148	05/06/2025	15:55	LB135689
	Vanadium	498	491	101	417	565	05/06/2025	15:55	LB135689
	Zinc	1070	952	112	809	1095	05/06/2025	15:55	LB135689
ICSA01	Aluminum	233000	255000	91	216000	294000	05/07/2025	13:21	LB135699
	Antimony	-1.02			-50	50	05/07/2025	13:21	LB135699
	Arsenic	-1.60			-20	20	05/07/2025	13:21	LB135699
	Barium	-1.29	6.0	22	-94	106	05/07/2025	13:21	LB135699
	Beryllium	1.26			-6	6	05/07/2025	13:21	LB135699
	Cadmium	-2.63	1.0	263	-5	7	05/07/2025	13:21	LB135699
	Calcium	225000	245000	92	208000	282000	05/07/2025	13:21	LB135699
	Chromium	54.1	52.0	104	42	62	05/07/2025	13:21	LB135699
	Cobalt	1.12			-30	30	05/07/2025	13:21	LB135699
	Copper	-2.32	2.0	116	-18	22	05/07/2025	13:21	LB135699
	Iron	94700	101000	94	85600	116500	05/07/2025	13:21	LB135699
	Lead	-2.88			-12	12	05/07/2025	13:21	LB135699
	Magnesium	239000	255000	94	216000	294000	05/07/2025	13:21	LB135699
	Manganese	7.87	7.0	112	-13	27	05/07/2025	13:21	LB135699
	Nickel	2.04	2.0	102	-38	42	05/07/2025	13:21	LB135699
	Potassium	0.38			0	0	05/07/2025	13:21	LB135699
	Selenium	-9.82			-20	20	05/07/2025	13:21	LB135699
	Silver	1.08			-10	10	05/07/2025	13:21	LB135699
	Sodium	35.9			0	0	05/07/2025	13:21	LB135699
	Thallium	7.75			-40	40	05/07/2025	13:21	LB135699
	Vanadium	2.40			-40	40	05/07/2025	13:21	LB135699
	Zinc	3.10			-40	40	05/07/2025	13:21	LB135699
ICSAB01	Aluminum	231000	247000	94	209000	285000	05/07/2025	13:25	LB135699
	Antimony	642	618	104	525	711	05/07/2025	13:25	LB135699
	Arsenic	117	104	112	88.4	120	05/07/2025	13:25	LB135699
	Barium	502	537	94	437	637	05/07/2025	13:25	LB135699
	Beryllium	528	495	107	420	570	05/07/2025	13:25	LB135699
	Cadmium	1070	972	110	826	1120	05/07/2025	13:25	LB135699
	Calcium	221000	235000	94	199000	271000	05/07/2025	13:25	LB135699
	Chromium	586	542	108	460	624	05/07/2025	13:25	LB135699
	Cobalt	523	476	110	404	548	05/07/2025	13:25	LB135699
	Copper	509	511	100	434	588	05/07/2025	13:25	LB135699
	Iron	90800	99300	91	84400	114500	05/07/2025	13:25	LB135699
	Lead	55.5	49.0	113	37	61	05/07/2025	13:25	LB135699
	Magnesium	235000	248000	95	210000	286000	05/07/2025	13:25	LB135699
	Manganese	512	507	101	430	584	05/07/2025	13:25	LB135699
	Nickel	1040	954	109	810	1100	05/07/2025	13:25	LB135699
	Potassium	-13.9			0	0	05/07/2025	13:25	LB135699

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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	41.2	46.0	90	26	66	05/07/2025	13:25	LB135699
	Silver	197	201	98	170	232	05/07/2025	13:25	LB135699
	Sodium	-3.21			0	0	05/07/2025	13:25	LB135699
	Thallium	115	108	106	68	148	05/07/2025	13:25	LB135699
	Vanadium	501	491	102	417	565	05/07/2025	13:25	LB135699
	Zinc	1080	952	113	809	1095	05/07/2025	13:25	LB135699

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1939

contract: GENV01 **lab code:** CHEM **case no.:** Q1939 **sas no.:** Q1939

matrix: Solid **sample id:** Q1933-01 **client id:** OK-01-050125MS

Percent Solids for Sample: 91.8 **Spiked ID:** Q1933-01MS **Percent Solids for Spike Sample:** 91.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5560		4780		100	779		P
Antimony	mg/Kg	75 - 125	15.0		2.31	U	41.1	36	N	P
Arsenic	mg/Kg	75 - 125	35.1		1.44		41.1	82		P
Barium	mg/Kg	75 - 125	36.3		24.8		10.3	111		P
Beryllium	mg/Kg	75 - 125	8.88		0.31		10.3	83		P
Cadmium	mg/Kg	75 - 125	9.71		0.28	U	10.3	94		P
Calcium	mg/Kg	75 - 125	2700		2610		51.4	170		P
Chromium	mg/Kg	75 - 125	33.8		15.0		20.6	91		P
Cobalt	mg/Kg	75 - 125	17.8		7.43		10.3	101		P
Copper	mg/Kg	75 - 125	54.3		39.8		15.4	94		P
Iron	mg/Kg	75 - 125	12800		12000		150	487		P
Lead	mg/Kg	75 - 125	52.7		5.19		51.4	93		P
Magnesium	mg/Kg	75 - 125	3450		3090		100	358		P
Manganese	mg/Kg	75 - 125	149		159		10.3	-93		P
Nickel	mg/Kg	75 - 125	41.3		13.5		25.7	108		P
Potassium	mg/Kg	75 - 125	1820		1310		510	99		P
Selenium	mg/Kg	75 - 125	79.7		0.92	U	100	80		P
Silver	mg/Kg	75 - 125	3.33		0.46	U	3.9	85		P
Sodium	mg/Kg	75 - 125	244		113		150	88		P
Thallium	mg/Kg	75 - 125	95.1		1.85	U	100	95		P
Vanadium	mg/Kg	75 - 125	33.2		18.4		15.4	96		P
Zinc	mg/Kg	75 - 125	29.0		19.8		10.3	89		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1939

contract: GENV01 **lab code:** CHEM **case no.:** Q1939 **sas no.:** Q1939

matrix: Solid **sample id:** Q1933-01 **client id:** OK-01-050125MSD

Percent Solids for Sample: 91.8 **Spiked ID:** Q1933-01MSD **Percent Solids for Spike Sample:** 91.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	4800		4780		91.9	18		P
Antimony	mg/Kg	75 - 125	12.1		2.31	U	36.8	33	N	P
Arsenic	mg/Kg	75 - 125	31.4		1.44		36.8	81		P
Barium	mg/Kg	75 - 125	32.3		24.8		9.2	82		P
Beryllium	mg/Kg	75 - 125	7.47		0.31		9.2	78		P
Cadmium	mg/Kg	75 - 125	8.56		0.28	U	9.2	93		P
Calcium	mg/Kg	75 - 125	2580		2610		46.0	-65		P
Chromium	mg/Kg	75 - 125	29.3		15.0		18.4	78		P
Cobalt	mg/Kg	75 - 125	15.2		7.43		9.2	84		P
Copper	mg/Kg	75 - 125	36.5		39.8		13.8	-24	N	P
Iron	mg/Kg	75 - 125	11700		12000		140	-240		P
Lead	mg/Kg	75 - 125	47.6		5.19		46.0	92		P
Magnesium	mg/Kg	75 - 125	3040		3090		91.9	-49		P
Manganese	mg/Kg	75 - 125	140		159		9.2	-205		P
Nickel	mg/Kg	75 - 125	32.6		13.5		23.0	83		P
Potassium	mg/Kg	75 - 125	1760		1310		460	98		P
Selenium	mg/Kg	75 - 125	70.9		0.92	U	91.9	77		P
Silver	mg/Kg	75 - 125	3.05		0.46	U	3.4	90		P
Sodium	mg/Kg	75 - 125	254		113		140	101		P
Thallium	mg/Kg	75 - 125	84.3		1.85	U	91.9	92		P
Vanadium	mg/Kg	75 - 125	28.9		18.4		13.8	76		P
Zinc	mg/Kg	75 - 125	27.0		19.8		9.2	77		P

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metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1939

contract: GENV01 **lab code:** CHEM **case no.:** Q1939 **sas no.:** Q1939

matrix: Solid **sample id:** Q1935-01 **client id:** MH-NNMS

Percent Solids for Sample: 88.2 **Spiked ID:** Q1935-01MS **Percent Solids for Spike Sample:** 88.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.22		0.014		0.3	69	N	CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1939

contract: GENV01 **lab code:** CHEM **case no.:** Q1939 **sas no.:** Q1939

matrix: Solid **sample id:** Q1935-01 **client id:** MH-NNMSD

Percent Solids for Sample: 88.2 **Spiked ID:** Q1935-01MSD **Percent Solids for Spike Sample:** 88.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.22		0.014		0.3	67	N	CV

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Metals
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POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

Matrix: Solid **Level:** LOW **Client ID:** OK-01-050125A

Sample ID: Q1933-01 **Spiked ID:** Q1933-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	30.8		2.31	U	36.9	84		P
Copper	mg/Kg	75 - 125	50.5		39.8		13.8	77		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

Matrix: Solid **Level:** LOW **Client ID:** MH-NNA

Sample ID: Q1935-01 **Spiked ID:** Q1935-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.17		0.014		0.29	55		CV

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

Matrix: Solid **Sample ID:** Q1933-01 **Client ID:** OK-01-050125DUP

Percent Solids for Sample: 91.8 **Duplicate ID** Q1933-01DUP **Percent Solids for Spike Sample:** 91.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	4780		5400		12		P
Antimony	mg/Kg	20	2.31	U	2.59	U			P
Arsenic	mg/Kg	20	1.44		2.19		41		P
Barium	mg/Kg	20	24.8		36.2		37	*	P
Beryllium	mg/Kg	20	0.31		0.31	J	1		P
Cadmium	mg/Kg	20	0.28	U	0.31	U			P
Calcium	mg/Kg	20	2610		2810		7		P
Chromium	mg/Kg	20	15.0		18.1		19		P
Cobalt	mg/Kg	20	7.43		6.92		7		P
Copper	mg/Kg	20	39.8		26.9		39	*	P
Iron	mg/Kg	20	12000		12900		7		P
Lead	mg/Kg	20	5.19		4.19		21	*	P
Magnesium	mg/Kg	20	3090		3520		13		P
Manganese	mg/Kg	20	159		154		3		P
Nickel	mg/Kg	20	13.5		12.9		5		P
Potassium	mg/Kg	20	1310		1830		33	*	P
Selenium	mg/Kg	20	0.92	U	1.04	U			P
Silver	mg/Kg	20	0.46	U	0.23	J	200.0		P
Sodium	mg/Kg	20	113		139		21		P
Thallium	mg/Kg	20	1.85	U	2.07	U			P
Vanadium	mg/Kg	20	18.4		22.5		20		P
Zinc	mg/Kg	20	19.8		21.5		8		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

Matrix: Solid **Sample ID:** Q1933-01MS **Client ID:** OK-01-050125MSD

Percent Solids for Sample: 91.8 **Duplicate ID** Q1933-01MSD **Percent Solids for Spike Sample:** 91.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5560		4800		15		P
Antimony	mg/Kg	20	15.0		12.1		21	*	P
Arsenic	mg/Kg	20	35.1		31.4		11		P
Barium	mg/Kg	20	36.3		32.3		12		P
Beryllium	mg/Kg	20	8.88		7.47		17		P
Cadmium	mg/Kg	20	9.71		8.56		13		P
Calcium	mg/Kg	20	2700		2580		5		P
Chromium	mg/Kg	20	33.8		29.3		14		P
Cobalt	mg/Kg	20	17.8		15.2		16		P
Copper	mg/Kg	20	54.3		36.5		39	*	P
Iron	mg/Kg	20	12800		11700		9		P
Lead	mg/Kg	20	52.7		47.6		10		P
Magnesium	mg/Kg	20	3450		3040		13		P
Manganese	mg/Kg	20	149		140		6		P
Nickel	mg/Kg	20	41.3		32.6		24	*	P
Potassium	mg/Kg	20	1820		1760		3		P
Selenium	mg/Kg	20	79.7		70.9		12		P
Silver	mg/Kg	20	3.33		3.05		9		P
Sodium	mg/Kg	20	244		254		4		P
Thallium	mg/Kg	20	95.1		84.3		12		P
Vanadium	mg/Kg	20	33.2		28.9		14		P
Zinc	mg/Kg	20	29.0		27.0		7		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

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

Matrix: Solid **Sample ID:** Q1935-01 **Client ID:** MH-NNDUP

Percent Solids for Sample: 88.2 **Duplicate ID** Q1935-01DUP **Percent Solids for Spike Sample:** 88.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.014		0.015		7		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

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

Matrix: Solid **Sample ID:** Q1935-01MS **Client ID:** MH-NNMSD

Percent Solids for Sample: 88.2 **Duplicate ID** Q1935-01MSD **Percent Solids for Spike Sample:** 88.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.22		0.22		3		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167832BS							
Aluminum	mg/Kg	98.0	85.6		87	80 - 120	P
Antimony	mg/Kg	39.2	36.6		93	80 - 120	P
Arsenic	mg/Kg	39.2	36.5		93	80 - 120	P
Barium	mg/Kg	9.8	8.31		85	80 - 120	P
Beryllium	mg/Kg	9.8	8.82		90	80 - 120	P
Cadmium	mg/Kg	9.8	8.98		92	80 - 120	P
Calcium	mg/Kg	49.0	43.9	J	90	80 - 120	P
Chromium	mg/Kg	19.6	17.8		91	80 - 120	P
Cobalt	mg/Kg	9.8	8.75		89	80 - 120	P
Copper	mg/Kg	14.7	13.7		93	80 - 120	P
Iron	mg/Kg	150	130		87	80 - 120	P
Lead	mg/Kg	49.0	44.5		91	80 - 120	P
Magnesium	mg/Kg	98.0	83.9	J	86	80 - 120	P
Manganese	mg/Kg	9.8	8.78		90	80 - 120	P
Nickel	mg/Kg	24.5	22.2		91	80 - 120	P
Potassium	mg/Kg	490	421		86	80 - 120	P
Selenium	mg/Kg	98.0	91.8		94	80 - 120	P
Silver	mg/Kg	3.7	3.32		90	80 - 120	P
Sodium	mg/Kg	150	129		86	80 - 120	P
Thallium	mg/Kg	98.0	90.2		92	80 - 120	P
Vanadium	mg/Kg	14.7	13.1		89	80 - 120	P
Zinc	mg/Kg	9.8	8.98		92	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167841BS							
Mercury	mg/Kg	0.26	0.23		88	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

OK-01-050125L

Lab Name: Chemtech Consulting Group **Contract:** GENV01

Lab Code: CHEM **Lb No.:** lb135689 **Lab Sample ID :** Q1933-01L **SDG No.:** Q1939

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	4780		5080		6		P
Antimony	2.31	U	11.5	U			P
Arsenic	1.44		1.62	J	13		P
Barium	24.8		26.5		7		P
Beryllium	0.31		0.34	J	12		P
Cadmium	0.28	U	1.38	U			P
Calcium	2610		2860		10		P
Chromium	15.0		16.6		11		P
Cobalt	7.43		7.15		4		P
Copper	39.8		44.9		13		P
Iron	12000		13600		13		P
Lead	5.19		4.72		9		P
Magnesium	3090		3270		6		P
Manganese	159		173		9		P
Nickel	13.5		13.3		2		P
Potassium	1310		1380		5		P
Selenium	0.92	U	4.62	U			P
Silver	0.46	U	2.31	U			P
Sodium	113		103	J	9		P
Thallium	1.85	U	9.23	U			P
Vanadium	18.4		20.3		10		P
Zinc	19.8		21.6		9		P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MH-NNL

Lab Name: Chemtech Consulting Group **Contract:** GENV01

Lab Code: CHEM **Lb No.:** lb135655 **Lab Sample ID :** Q1935-01L **SDG No.:** Q1939

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	0.014		0.072	U	100.0		CV

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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1939 **Sas no.:** Q1939 **Sdg no.:** Q1939

Instrument id number: **Method:** **Run number:** LB135655

Start date: 05/05/2025 **End date:** 05/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0815	HG
S0.2	S0.2	1	0817	HG
S2.5	S2.5	1	0820	HG
S5	S5	1	0822	HG
S7.5	S7.5	1	0824	HG
S10	S10	1	0827	HG
ICV113	ICV113	1	0830	HG
ICB113	ICB113	1	0832	HG
CCV67	CCV67	1	0834	HG
CCB67	CCB67	1	0837	HG
CRA	CRA	1	0839	HG
PB167841BL	PB167841BL	1	0851	HG
PB167841BS	PB167841BS	1	0853	HG
CCV68	CCV68	1	0907	HG
CCB68	CCB68	1	0912	HG
Q1935-01DUP	MH-NNDUP	1	0919	HG
Q1935-01MS	MH-NNMS	1	0923	HG
Q1935-01MSD	MH-NNMSD	1	0926	HG
Q1939-01	GB1	1	0930	HG
Q1939-03	GB2	1	0933	HG
CCV69	CCV69	1	0937	HG
CCB69	CCB69	1	0944	HG
Q1935-01L	MH-NNL	5	0946	HG
Q1935-01A	MH-NNA	1	0948	HG
Q1939-05	GB3	2	0954	HG
CCV70	CCV70	1	0956	HG
CCB70	CCB70	1	1001	HG

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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1939 **Sas no.:** Q1939 **Sdg no.:** Q1939

Instrument id number: **Method:** **Run number:** LB135674

Start date: 05/05/2025 **End date:** 05/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1302	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	1307	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	1311	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	1315	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	1319	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	1324	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	1418	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	1436	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	1441	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	1447	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	1452	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	1507	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	1520	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	1526	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	1607	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	1612	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	1656	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	1700	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167832BL	PB167832BL	1	1751	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	1755	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	1759	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167832BS	PB167832BS	1	1804	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	1843	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	1847	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	1932	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	1937	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	2019	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	2023	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	2107	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	2112	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	2159	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2233	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2237	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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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1939 **Sas no.:** Q1939 **Sdg no.:** Q1939

Instrument id number: **Method:** **Run number:** LB135689

Start date: 05/06/2025 **End date:** 05/06/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1343	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	1348	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	1352	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	1356	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	1401	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	1405	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	1447	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	1522	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	1527	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	1531	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	1550	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	1555	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	1629	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	1634	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1933-01DUP	OK-01-050125DUP	1	1707	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1933-01L	OK-01-050125L	5	1711	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	1715	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	1720	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1933-01MS	OK-01-050125MS	1	1724	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1933-01MSD	OK-01-050125MSD	1	1728	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1933-01A	OK-01-050125A	1	1732	Cu,Sb
CCV03	CCV03	1	1808	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	1813	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	1916	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	1920	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1939-05	GB3	1	1949	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V
CCV05	CCV05	1	2001	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	2006	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1939-01	GB1	1	2010	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1939-03	GB2	1	2014	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	2031	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	2035	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
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1939 **Sas no.:** Q1939 **Sdg no.:** Q1939

Instrument id number: **Method:** **Run number:** LB135699

Start date: 05/07/2025 **End date:** 05/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1234	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	1238	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	1243	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	1247	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	1251	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	1255	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	1259	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	1305	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	1309	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	1316	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	1321	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	1325	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	1339	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	1343	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1939-05	GB3	5	1422	Zn
CCV02	CCV02	1	1435	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	1439	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	1523	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	1527	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	1605	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	1609	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	1647	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	1652	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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1939 **SAS No.:** Q1939

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:	Q1939	**OrderDate:**	5/1/2025 2:51:00 PM
Client:	G Environmental	**Project:**	Amsterdam
Contact:	Gary Landis	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1939-01	**GB1**	**SOIL**			**05/01/25**			**05/01/25**
			Mercury	7471B		05/02/25	05/05/25	
			Metals ICP-TAL	6010D		05/02/25	05/06/25	
Q1939-03	**GB2**	**SOIL**			**05/01/25**			**05/01/25**
			Mercury	7471B		05/02/25	05/05/25	
			Metals ICP-TAL	6010D		05/02/25	05/06/25	
Q1939-05	**GB3**	**SOIL**			**05/01/25**			**05/01/25**
			Mercury	7471B		05/02/25	05/05/25	
			Metals ICP-TAL	6010D		05/02/25	05/06/25	
			Metals ICP-TAL	6010D		05/02/25	05/07/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q1939 **SAS No.:** Q1939

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167832**						
PB167832BL	PB167832BL	MB	SOLID	05/02/2025	2.09	100.0	100.00
PB167832BS	PB167832BS	LCS	SOLID	05/02/2025	2.04	100.0	100.00
Q1933-01DUP	OK-01-050125DUP	DUP	SOLID	05/02/2025	2.10	100.0	91.80
Q1933-01MS	OK-01-050125MS	MS	SOLID	05/02/2025	2.12	100.0	91.80
Q1933-01MSD	OK-01-050125MSD	MSD	SOLID	05/02/2025	2.37	100.0	91.80
Q1939-01	GB1	SAM	SOLID	05/02/2025	2.12	100.0	84.80
Q1939-03	GB2	SAM	SOLID	05/02/2025	2.42	100.0	78.00
Q1939-05	GB3	SAM	SOLID	05/02/2025	2.33	100.0	86.60

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1939

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q1939 **SAS No.:** Q1939

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167841**						
PB167841BL	PB167841BL	MB	SOLID	05/02/2025	0.51	35.0	100.00
PB167841BS	PB167841BS	LCS	SOLID	05/02/2025	0.53	35.0	100.00
Q1935-01DUP	MH-NNDUP	DUP	SOLID	05/02/2025	0.52	35.0	88.20
Q1935-01MS	MH-NNMS	MS	SOLID	05/02/2025	0.53	35.0	88.20
Q1935-01MSD	MH-NNMSD	MSD	SOLID	05/02/2025	0.53	35.0	88.20
Q1939-01	GB1	SAM	SOLID	05/02/2025	0.60	35.0	84.80
Q1939-03	GB2	SAM	SOLID	05/02/2025	0.51	35.0	78.00
Q1939-05	GB3	SAM	SOLID	05/02/2025	0.58	35.0	86.60

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135655

Review By	mohan	Review On	5/6/2025 10:08:19 AM
Supervise By	JANVI	Supervise On	5/6/2025 2:57:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP85530,MP85531,MP85532,MP85533,MP85534,MP85535
ICV Standard	MP85536
CCV Standard	MP85538
ICSA Standard	
CRI Standard	MP85540
LCS Standard	
Chk Standard	MP85537,MP85539,MP85541,MP85543

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	05/05/25 08:15		MOHAN	OK
2	S0.2	S0.2	CAL2	05/05/25 08:17		MOHAN	OK
3	S2.5	S2.5	CAL3	05/05/25 08:20		MOHAN	OK
4	S5	S5	CAL4	05/05/25 08:22		MOHAN	OK
5	S7.5	S7.5	CAL5	05/05/25 08:24		MOHAN	OK
6	S10	S10	CAL6	05/05/25 08:27		MOHAN	OK
7	ICV113	ICV113	ICV	05/05/25 08:30		MOHAN	OK
8	ICB113	ICB113	ICB	05/05/25 08:32		MOHAN	OK
9	CCV67	CCV67	CCV	05/05/25 08:34		MOHAN	OK
10	CCB67	CCB67	CCB	05/05/25 08:37		MOHAN	OK
11	CRA	CRA	CRDL	05/05/25 08:39		MOHAN	OK
12	HighStd	HighStd	HIGH STD	05/05/25 08:41		MOHAN	OK
13	ChkStd	ChkStd	SAM	05/05/25 08:43		MOHAN	OK
14	PB167841BL	PB167841BL	MB	05/05/25 08:51		MOHAN	OK
15	PB167841BS	PB167841BS	LCS	05/05/25 08:53		MOHAN	OK
16	Q1928-01	MH-Q	SAM	05/05/25 08:55		MOHAN	OK
17	Q1932-01	COMP-4	SAM	05/05/25 08:58		MOHAN	OK
18	Q1932-03	COMP-5	SAM	05/05/25 09:00		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135655

Review By	mohan	Review On	5/6/2025 10:08:19 AM
Supervise By	JANVI	Supervise On	5/6/2025 2:57:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP85530,MP85531,MP85532,MP85533,MP85534,MP85535
ICV Standard	MP85536
CCV Standard	MP85538
ICSA Standard	
CRI Standard	MP85540
LCS Standard	
Chk Standard	MP85537,MP85539,MP85541,MP85543

19	Q1932-05	COMP-6	SAM	05/05/25 09:02		MOHAN	OK
20	Q1932-07	COMP-7	SAM	05/05/25 09:05		MOHAN	OK
21	CCV68	CCV68	CCV	05/05/25 09:07		MOHAN	OK
22	CCB68	CCB68	CCB	05/05/25 09:12		MOHAN	OK
23	Q1933-01	OK-01-050125	SAM	05/05/25 09:14		MOHAN	OK
24	Q1935-01	MH-NN	SAM	05/05/25 09:16		MOHAN	OK
25	Q1935-01DUP	MH-NNDUP	DUP	05/05/25 09:19		MOHAN	OK
26	Q1935-01MS	MH-NNMS	MS	05/05/25 09:23		MOHAN	OK
27	Q1935-01MSD	MH-NNMSD	MSD	05/05/25 09:26		MOHAN	OK
28	Q1935-05	MH-MM	SAM	05/05/25 09:28		MOHAN	OK
29	Q1939-01	GB1	SAM	05/05/25 09:30		MOHAN	OK
30	Q1939-03	GB2	SAM	05/05/25 09:33		MOHAN	OK
31	Q1939-05	GB3	SAM	05/05/25 09:35	Mercury High	MOHAN	Dilution
32	CCV69	CCV69	CCV	05/05/25 09:37		MOHAN	OK
33	CCB69	CCB69	CCB	05/05/25 09:44		MOHAN	OK
34	Q1935-01L	MH-NNL	SD	05/05/25 09:46		MOHAN	OK
35	Q1935-01A	MH-NNA	PS	05/05/25 09:48		MOHAN	OK
36	Q1939-05DL	GB3DL	SAM	05/05/25 09:54	2X for Hg	MOHAN	Confirms
37	CCV70	CCV70	CCV	05/05/25 09:56		MOHAN	OK
38	CCB70	CCB70	CCB	05/05/25 10:01		MOHAN	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135674

Review By	JANVI	Review On	5/6/2025 4:57:41 PM
Supervise By	jaswal	Supervise On	5/7/2025 1:30:24 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	
LCS Standard	
Chk Standard	MP85557,MP85558

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	05/05/25 13:02		Kareem	OK
2	S1	S1	CAL2	05/05/25 13:07		Kareem	OK
3	S2	S2	CAL3	05/05/25 13:11		Kareem	OK
4	S3	S3	CAL4	05/05/25 13:15		Kareem	OK
5	S4	S4	CAL5	05/05/25 13:19		Kareem	OK
6	S5	S5	CAL6	05/05/25 13:24		Kareem	OK
7	ICV01	ICV01	ICV	05/05/25 14:18		Kareem	OK
8	LLICV01	LLICV01	LLICV	05/05/25 14:36		Kareem	OK
9	ICB01	ICB01	ICB	05/05/25 14:41		Kareem	OK
10	CRI01	CRI01	CRDL	05/05/25 14:47		Kareem	OK
11	ICSA01	ICSA01	ICSA	05/05/25 14:52		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	05/05/25 15:07		Kareem	OK
13	ICSADL	ICSADL	ICSA	05/05/25 15:11		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	05/05/25 15:16		Kareem	OK
15	CCV01	CCV01	CCV	05/05/25 15:20		Kareem	OK
16	CCB01	CCB01	CCB	05/05/25 15:26		Kareem	OK
17	Q1916-01	WC-12	SAM	05/05/25 15:30		Kareem	OK
18	Q1917-01	MH-JJ	SAM	05/05/25 15:35		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135674

Review By	JANVI	Review On	5/6/2025 4:57:41 PM
Supervise By	jaswal	Supervise On	5/7/2025 1:30:24 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	
LCS Standard	
Chk Standard	MP85557,MP85558

19	Q1923-01	TR-05-04302025	SAM	05/05/25 15:39		Kareem	OK
20	Q1923-01DUP	TR-05-04302025DUP	DUP	05/05/25 15:43		Kareem	OK
21	Q1923-01L	TR-05-04302025L	SD	05/05/25 15:47		Kareem	OK
22	Q1923-01MS	TR-05-04302025MS	MS	05/05/25 15:51		Kareem	OK
23	Q1923-01MSD	TR-05-04302025MSD	MSD	05/05/25 15:55		Kareem	OK
24	Q1923-01A	TR-05-04302025A	PS	05/05/25 15:59		Kareem	OK
25	Q1944-01	MELTED-RUBBER-SA	SAM	05/05/25 16:03		Kareem	OK
26	CCV02	CCV02	CCV	05/05/25 16:07		Kareem	OK
27	CCB02	CCB02	CCB	05/05/25 16:12		Kareem	OK
28	Q1865-08	SOM-25-00051	SAM	05/05/25 16:16		Kareem	OK
29	Q1916-04	WC-12	SAM	05/05/25 16:20		Kareem	OK
30	Q1906-04	WC-4	SAM	05/05/25 16:25		Kareem	OK
31	Q1944-02	CITY-WATER	SAM	05/05/25 16:29		Kareem	OK
32	Q1944-03DL	CHILLER-WATERDL	SAM	05/05/25 16:33	Straight 5x for all elements	Kareem	OK
33	Q1913-01	WC-12-S-202504	SAM	05/05/25 16:38		Kareem	OK
34	Q1913-03	WC-13-S-202504	SAM	05/05/25 16:42	MS/MSD fail for many parameters	Kareem	Not Ok
35	Q1913-03DUP	WC-13-S-202504DUP	DUP	05/05/25 16:47	MS/MSD fail for many parameters	Kareem	Not Ok
36	Q1913-03L	WC-13-S-202504L	SD	05/05/25 16:51	MS/MSD fail for many parameters	Kareem	Not Ok
37	CCV03	CCV03	CCV	05/05/25 16:56		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135674

Review By	JANVI	Review On	5/6/2025 4:57:41 PM
Supervise By	jaswal	Supervise On	5/7/2025 1:30:24 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	
LCS Standard	
Chk Standard	MP85557,MP85558

38	CCB03	CCB03	CCB	05/05/25 17:00		Kareem	OK
39	Q1913-03MS	WC-13-S-202504MS	MS	05/05/25 17:04	MS/MSD fail for many parameters	Kareem	Not Ok
40	Q1913-03MSD	WC-13-S-202504MSD	MSD	05/05/25 17:08	MS/MSD fail for many parameters	Kareem	Not Ok
41	Q1913-03A	WC-13-S-202504A	PS	05/05/25 17:13	MS/MSD fail for many parameters	Kareem	Not Ok
42	PB167837BL	PB167837BL	MB	05/05/25 17:17		Kareem	OK
43	PB167815TB	PB167815TB	MB	05/05/25 17:31		Kareem	OK
44	PB167837BS	PB167837BS	LCS	05/05/25 17:36		Kareem	OK
45	PB167817BL	PB167817BL	MB	05/05/25 17:41		Kareem	OK
46	PB167817BS	PB167817BS	LCS	05/05/25 17:46		Kareem	OK
47	PB167832BL	PB167832BL	MB	05/05/25 17:51		Kareem	OK
48	CCV04	CCV04	CCV	05/05/25 17:55		Kareem	OK
49	CCB04	CCB04	CCB	05/05/25 17:59		Kareem	OK
50	PB167832BS	PB167832BS	LCS	05/05/25 18:04		Kareem	OK
51	PB167868BL	PB167868BL	MB	05/05/25 18:10		Kareem	OK
52	PB167868BS	PB167868BS	LCS	05/05/25 18:14		Kareem	OK
53	PB167774TB	PB167774TB	MB	05/05/25 18:18		Kareem	OK
54	PB167858BL	PB167858BL	MB	05/05/25 18:22		Kareem	OK
55	PB167858BS	PB167858BS	LCS	05/05/25 18:27		Kareem	OK
56	Q1922-01	MH-R	SAM	05/05/25 18:31		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135674

Review By	JANVI	Review On	5/6/2025 4:57:41 PM
Supervise By	jaswal	Supervise On	5/7/2025 1:30:24 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	
LCS Standard	
Chk Standard	MP85557,MP85558

57	Q1922-05	MH-S	SAM	05/05/25 18:35		Kareem	OK
58	Q1928-01	MH-Q	SAM	05/05/25 18:39		Kareem	OK
59	CCV05	CCV05	CCV	05/05/25 18:43		Kareem	OK
60	CCB05	CCB05	CCB	05/05/25 18:47		Kareem	OK
61	Q1932-01	COMP-4	SAM	05/05/25 18:52	CCV fail for Be,Mg	Kareem	Not Ok
62	Q1932-03	COMP-5	SAM	05/05/25 18:56	CCV fail for Be,Mg	Kareem	Not Ok
63	Q1932-05	COMP-6	SAM	05/05/25 19:00	CCV fail for Be,Mg	Kareem	Not Ok
64	Q1932-07	COMP-7	SAM	05/05/25 19:04	CCV fail for Be,Mg	Kareem	Not Ok
65	Q1933-01	OK-01-050125	SAM	05/05/25 19:08	CCV fail for Be,Mg	Kareem	Not Ok
66	Q1933-01DUP	OK-01-050125DUP	DUP	05/05/25 19:12	CCV fail for Be,Mg	Kareem	Not Ok
67	Q1933-01L	OK-01-050125L	SD	05/05/25 19:16	CCV fail for Be,Mg	Kareem	Not Ok
68	Q1933-01MS	OK-01-050125MS	MS	05/05/25 19:20	CCV fail for Be,Mg	Kareem	Not Ok
69	Q1933-01MSD	OK-01-050125MSD	MSD	05/05/25 19:24	CCV fail for Be,Mg	Kareem	Not Ok
70	Q1933-01A	OK-01-050125A	PS	05/05/25 19:28	CCV fail for Be,Mg	Kareem	Not Ok
71	CCV06	CCV06	CCV	05/05/25 19:32	CCV fail for Be,Mg	Kareem	OK
72	CCB06	CCB06	CCB	05/05/25 19:37		Kareem	OK
73	Q1939-05	GB3	SAM	05/05/25 19:41	CCV fail for Be,Mg	Kareem	Not Ok
74	Q1935-01	MH-NN	SAM	05/05/25 19:45	CCV fail for Be,Mg	Kareem	Not Ok
75	Q1935-05	MH-MM	SAM	05/05/25 19:49	CCV fail for Be,Mg	Kareem	Not Ok
76	Q1939-01	GB1	SAM	05/05/25 19:53	CCV fail for Be,Mg	Kareem	Not Ok

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135674

Review By	JANVI	Review On	5/6/2025 4:57:41 PM
Supervise By	jaswal	Supervise On	5/7/2025 1:30:24 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	
LCS Standard	
Chk Standard	MP85557,MP85558

77	Q1939-03	GB2	SAM	05/05/25 19:57	CCV fail for Be,Mg	Kareem	Not Ok
78	Q1917-04	MH-JJ	SAM	05/05/25 20:01		Kareem	OK
79	Q1922-04	MH-R	SAM	05/05/25 20:06		Kareem	OK
80	Q1922-08	MH-S	SAM	05/05/25 20:10		Kareem	OK
81	Q1925-01	AUD-25-0068	SAM	05/05/25 20:15		Kareem	OK
82	CCV07	CCV07	CCV	05/05/25 20:19		Kareem	OK
83	CCB07	CCB07	CCB	05/05/25 20:23		Kareem	OK
84	Q1925-02	AUD-25-0069	SAM	05/05/25 20:28		Kareem	OK
85	Q1925-03	AUD-25-0070	SAM	05/05/25 20:32		Kareem	OK
86	Q1928-04	MH-Q	SAM	05/05/25 20:36		Kareem	OK
87	Q1929-03	WC-A4-02-C	SAM	05/05/25 20:41		Kareem	OK
88	Q1929-07	WC-A1-03-C	SAM	05/05/25 20:45		Kareem	OK
89	Q1929-11	WC-A1-04-C	SAM	05/05/25 20:50		Kareem	OK
90	Q1932-02	COMP-4	SAM	05/05/25 20:54		Kareem	OK
91	Q1932-04	COMP-5	SAM	05/05/25 20:59		Kareem	OK
92	Q1932-06	COMP-6	SAM	05/05/25 21:03		Kareem	OK
93	CCV08	CCV08	CCV	05/05/25 21:07		Kareem	OK
94	CCB08	CCB08	CCB	05/05/25 21:12		Kareem	OK
95	Q1932-08	COMP-7	SAM	05/05/25 21:16		Kareem	OK
96	Q1935-04	MH-NN	SAM	05/05/25 21:20		Kareem	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB135674

Review By	JANVI	Review On	5/6/2025 4:57:41 PM
Supervise By	jaswal	Supervise On	5/7/2025 1:30:24 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	
LCS Standard	
Chk Standard	MP85557,MP85558

97	Q1935-08	MH-MM	SAM	05/05/25 21:25		Kareem	OK
98	Q1935-08DUP	MH-MMDUP	DUP	05/05/25 21:29		Kareem	OK
99	Q1935-08L	MH-MML	SD	05/05/25 21:34		Kareem	OK
100	Q1935-08MS	MH-MMMS	MS	05/05/25 21:38		Kareem	OK
101	Q1935-08MSD	MH-MMMSD	MSD	05/05/25 21:42		Kareem	OK
102	Q1935-08A	MH-MMA	PS	05/05/25 21:46		Kareem	OK
103	Q1945-01	GB1W	SAM	05/05/25 21:51	Zn high	Kareem	Dilution
104	Q1956-07	FB-05022025	SAM	05/05/25 21:55		Kareem	OK
105	CCV09	CCV09	CCV	05/05/25 21:59		Kareem	OK
106	CCB09	CCB09	CCB	05/05/25 22:03		Kareem	OK
107	Q1930-01	WATER-TREATMENT	SAM	05/05/25 22:08		Kareem	OK
108	Q1930-01DUP	WATER-TREATMENT	DUP	05/05/25 22:12		Kareem	OK
109	Q1930-01L	WATER-TREATMENT	SD	05/05/25 22:16		Kareem	OK
110	Q1930-01MS	WATER-TREATMENT	MS	05/05/25 22:21		Kareem	OK
111	Q1930-01MSD	WATER-TREATMENT	MSD	05/05/25 22:25		Kareem	OK
112	Q1930-01A	WATER-TREATMENT	PS	05/05/25 22:29		Kareem	OK
113	CCV10	CCV10	CCV	05/05/25 22:33		Kareem	OK
114	CCB10	CCB10	CCB	05/05/25 22:37		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135689

Review By	JANVI	Review On	5/7/2025 11:23:01 AM
Supervise By	jaswal	Supervise On	5/7/2025 11:23:43 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	05/06/25 13:43		Kareem	OK
2	S1	S1	CAL2	05/06/25 13:48		Kareem	OK
3	S2	S2	CAL3	05/06/25 13:52		Kareem	OK
4	S3	S3	CAL4	05/06/25 13:56		Kareem	OK
5	S4	S4	CAL5	05/06/25 14:01		Kareem	OK
6	S5	S5	CAL6	05/06/25 14:05		Kareem	OK
7	ICV01	ICV01	ICV	05/06/25 14:47		Kareem	OK
8	LLICV01	LLICV01	LLICV	05/06/25 15:22		Kareem	OK
9	ICB01	ICB01	ICB	05/06/25 15:27		Kareem	OK
10	CRI01	CRI01	CRDL	05/06/25 15:31		Kareem	OK
11	ICSA01	ICSA01	ICSA	05/06/25 15:50		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	05/06/25 15:55		Kareem	OK
13	ICSADL	ICSADL	ICSA	05/06/25 15:59		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	05/06/25 16:03		Kareem	OK
15	CCV01	CCV01	CCV	05/06/25 16:29		Kareem	OK
16	CCB01	CCB01	CCB	05/06/25 16:34		Kareem	OK
17	Q1948-01	001-WILLETS-PT-BL	SAM	05/06/25 16:38		Kareem	OK
18	Q1948-02	002-35TH-AVE(APR)	SAM	05/06/25 16:42		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135689

Review By	JANVI	Review On	5/7/2025 11:23:01 AM
Supervise By	jaswal	Supervise On	5/7/2025 11:23:43 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

19	Q1932-01	COMP-4	SAM	05/06/25 16:47		Kareem	OK
20	Q1932-03	COMP-5	SAM	05/06/25 16:51		Kareem	OK
21	Q1932-05	COMP-6	SAM	05/06/25 16:55		Kareem	OK
22	Q1932-07	COMP-7	SAM	05/06/25 16:59		Kareem	OK
23	Q1933-01	OK-01-050125	SAM	05/06/25 17:03		Kareem	OK
24	Q1933-01DUP	OK-01-050125DUP	DUP	05/06/25 17:07		Kareem	OK
25	Q1933-01L	OK-01-050125L	SD	05/06/25 17:11		Kareem	OK
26	CCV02	CCV02	CCV	05/06/25 17:15		Kareem	OK
27	CCB02	CCB02	CCB	05/06/25 17:20		Kareem	OK
28	Q1933-01MS	OK-01-050125MS	MS	05/06/25 17:24		Kareem	OK
29	Q1933-01MSD	OK-01-050125MSD	MSD	05/06/25 17:28		Kareem	OK
30	Q1933-01A	OK-01-050125A	PS	05/06/25 17:32		Kareem	OK
31	Q1913-03	WC-13-S-202504	SAM	05/06/25 17:43		Kareem	OK
32	Q1913-03DUP	WC-13-S-202504DUP	DUP	05/06/25 17:47		Kareem	OK
33	Q1913-03L	WC-13-S-202504L	SD	05/06/25 17:51		Kareem	OK
34	Q1913-03MS	WC-13-S-202504MS	MS	05/06/25 17:56		Kareem	OK
35	Q1913-03MSD	WC-13-S-202504MSD	MSD	05/06/25 18:00		Kareem	OK
36	Q1913-03A	WC-13-S-202504A	PS	05/06/25 18:04		Kareem	OK
37	CCV03	CCV03	CCV	05/06/25 18:08		Kareem	OK
38	CCB03	CCB03	CCB	05/06/25 18:13		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135689

Review By	JANVI	Review On	5/7/2025 11:23:01 AM
Supervise By	jaswal	Supervise On	5/7/2025 11:23:43 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

39	PB167860BL	PB167860BL	MB	05/06/25 18:17		Kareem	OK
40	PB167860BS	PB167860BS	LCS	05/06/25 18:21		Kareem	OK
41	PB167781BL	PB167781BL	MB	05/06/25 18:25		Kareem	OK
42	PB167781BS	PB167781BS	LCS	05/06/25 18:37		Kareem	OK
43	PB167757BL	PB167757BL	MB	05/06/25 18:41		Kareem	OK
44	PB167757BS	PB167757BS	LCS	05/06/25 19:01		Kareem	OK
45	Q1949-01	001-WILLETS-PT-BL	SAM	05/06/25 19:05		Kareem	OK
46	CCV04	CCV04	CCV	05/06/25 19:16		Kareem	OK
47	CCB04	CCB04	CCB	05/06/25 19:20		Kareem	OK
48	Q1949-04	002-35TH-AVE(MAY)	SAM	05/06/25 19:24		Kareem	OK
49	Q1949-04DUP	002-35TH-AVE(MAY)[	DUP	05/06/25 19:29		Kareem	OK
50	Q1949-04L	002-35TH-AVE(MAY)[	SD	05/06/25 19:33		Kareem	OK
51	Q1949-04MS	002-35TH-AVE(MAY)[	MS	05/06/25 19:37		Kareem	OK
52	Q1949-04MSD	002-35TH-AVE(MAY)[	MSD	05/06/25 19:41		Kareem	OK
53	Q1949-04A	002-35TH-AVE(MAY)A	PS	05/06/25 19:45		Kareem	OK
54	Q1939-05	GB3	SAM	05/06/25 19:49	Zn high	Kareem	Dilution
55	Q1935-01	MH-NN	SAM	05/06/25 19:53		Kareem	OK
56	Q1935-05	MH-MM	SAM	05/06/25 19:57		Kareem	OK
57	CCV05	CCV05	CCV	05/06/25 20:01		Kareem	OK
58	CCB05	CCB05	CCB	05/06/25 20:06		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135689

Review By	JANVI	Review On	5/7/2025 11:23:01 AM
Supervise By	jaswal	Supervise On	5/7/2025 11:23:43 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

59	Q1939-01	GB1	SAM	05/06/25 20:10		Kareem	OK
60	Q1939-03	GB2	SAM	05/06/25 20:14		Kareem	OK
61	Q1945-01DL	GB1WDL	SAM	05/06/25 20:18	10x for Zn	Kareem	Confirms
62	Q1946-01	BB-CONCRETE	SAM	05/06/25 20:22		Kareem	OK
63	Q1961-01	EO-01-050525	SAM	05/06/25 20:27		Kareem	OK
64	CCV06	CCV06	CCV	05/06/25 20:31		Kareem	OK
65	CCB06	CCB06	CCB	05/06/25 20:35		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135699

Review By	Janvi	Review On	5/8/2025 12:56:21 PM
Supervise By	jaswal	Supervise On	5/8/2025 4:11:40 PM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	05/07/25 12:34		Kareem	OK
2	S1	S1	CAL2	05/07/25 12:38		Kareem	OK
3	S2	S2	CAL3	05/07/25 12:43		Kareem	OK
4	S3	S3	CAL4	05/07/25 12:47		Kareem	OK
5	S4	S4	CAL5	05/07/25 12:51		Kareem	OK
6	S5	S5	CAL6	05/07/25 12:55		Kareem	OK
7	ICV01	ICV01	ICV	05/07/25 12:59		Kareem	OK
8	LLICV01	LLICV01	LLICV	05/07/25 13:05		Kareem	OK
9	ICB01	ICB01	ICB	05/07/25 13:09		Kareem	OK
10	CRI01	CRI01	CRDL	05/07/25 13:16		Kareem	OK
11	ICSA01	ICSA01	ICSA	05/07/25 13:21		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	05/07/25 13:25		Kareem	OK
13	ICSADL	ICSADL	ICSA	05/07/25 13:30		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	05/07/25 13:34		Kareem	OK
15	CCV01	CCV01	CCV	05/07/25 13:39		Kareem	OK
16	CCB01	CCB01	CCB	05/07/25 13:43		Kareem	OK
17	PB167882BL	PB167882BL	MB	05/07/25 13:47		Kareem	OK
18	PB167882BS	PB167882BS	LCS	05/07/25 13:58		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 # LB135699

Review By	Janvi	Review On	5/8/2025 12:56:21 PM
Supervise By	jaswal	Supervise On	5/8/2025 4:11:40 PM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

19	PB167880BL	PB167880BL	MB	05/07/25 14:04		Kareem	OK
20	PB167880BS	PB167880BS	LCS	05/07/25 14:08		Kareem	OK
21	PB167859BL	PB167859BL	MB	05/07/25 14:12		Kareem	OK
22	PB167859BS	PB167859BS	LCS	05/07/25 14:17		Kareem	OK
23	Q1939-05DL	GB3DL	SAM	05/07/25 14:22	5X for Zn	Kareem	Confirms
24	PB167851TB	PB167851TB	MB	05/07/25 14:26		Kareem	OK
25	Q1947-04	MH-P	SAM	05/07/25 14:31		Kareem	OK
26	CCV02	CCV02	CCV	05/07/25 14:35		Kareem	OK
27	CCB02	CCB02	CCB	05/07/25 14:39		Kareem	OK
28	Q1947-08	MH-O	SAM	05/07/25 14:44		Kareem	OK
29	Q1951-04	MH-KK	SAM	05/07/25 14:48		Kareem	OK
30	Q1956-05	COMP1	SAM	05/07/25 14:53		Kareem	OK
31	Q1959-01	SOIL-PILE	SAM	05/07/25 14:57		Kareem	OK
32	Q1960-03	72-11933	SAM	05/07/25 15:01		Kareem	OK
33	Q1960-03DUP	72-11933DUP	DUP	05/07/25 15:06		Kareem	OK
34	Q1960-03L	72-11933L	SD	05/07/25 15:10		Kareem	OK
35	Q1960-03MS	72-11933MS	MS	05/07/25 15:15		Kareem	OK
36	Q1960-03MSD	72-11933MSD	MSD	05/07/25 15:19		Kareem	OK
37	CCV03	CCV03	CCV	05/07/25 15:23		Kareem	OK
38	CCB03	CCB03	CCB	05/07/25 15:27		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 # LB135699

Review By	Janvi	Review On	5/8/2025 12:56:21 PM
Supervise By	jaswal	Supervise On	5/8/2025 4:11:40 PM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	MP85552
LCS Standard	
Chk Standard	MP85557,MP85558

39	Q1960-03A	72-11933A	PS	05/07/25 15:32		Kareem	OK
40	Q1956-01	SB1-3-4	SAM	05/07/25 15:36		Kareem	OK
41	Q1956-02	SB2-4-5	SAM	05/07/25 15:40		Kareem	OK
42	Q1956-02DUP	SB2-4-5DUP	DUP	05/07/25 15:44		Kareem	OK
43	Q1956-02L	SB2-4-5L	SD	05/07/25 15:48		Kareem	OK
44	Q1956-03	SB2-4-5MS	MS	05/07/25 15:53		Kareem	OK
45	Q1956-04	SB2-4-5MSD	MSD	05/07/25 15:57		Kareem	OK
46	Q1956-02A	SB2-4-5A	PS	05/07/25 16:01		Kareem	OK
47	CCV04	CCV04	CCV	05/07/25 16:05		Kareem	OK
48	CCB04	CCB04	CCB	05/07/25 16:09		Kareem	OK
49	Q1956-06	SB91-3-4	SAM	05/07/25 16:13		Kareem	OK
50	Q1960-02	72-11933	SAM	05/07/25 16:18		Kareem	OK
51	Q1962-01	HD-01-050525	SAM	05/07/25 16:22		Kareem	OK
52	Q1964-01	MH-LL	SAM	05/07/25 16:26		Kareem	OK
53	Q1936-01	SMALL-PILE-A	SAM	05/07/25 16:30		Kareem	OK
54	Q1936-03	SMALL-PILE-B	SAM	05/07/25 16:35		Kareem	OK
55	Q1936-05	SMALL-PILE-C	SAM	05/07/25 16:39		Kareem	OK
56	Q1936-07	SMALL-PILE-D	SAM	05/07/25 16:43		Kareem	OK
57	CCV05	CCV05	CCV	05/07/25 16:47		Kareem	OK
58	CCB05	CCB05	CCB	05/07/25 16:52		Kareem	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB167832

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 #3 2. N/A

Start Digest Date: 05/02/2025 **Time :** 13:05 **Temp :** 96 °C

End Digest Date: 05/02/2025 **Time :** 15:10 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: SLB.

Supervisor Signature: JPP

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6005
LFS-2	1.00	M6016
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	5.00	M6158
1:1 HNO3	10.00	MP84041
30% H2O2	3.00	M6125
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
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#3 CELL#35 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/02/25 16:10	SLB. met. dig	JPP (Met Lab)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB167832

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB167832BL	PBS832	N/A	2.09	100	Colorless	Colorless	Fine	N/A	N/A	1
PB167832BS	LCS832	N/A	2.04	100	Colorless	Colorless	Fine	N/A	M6005,M6016	2
Q1932-01	COMP-4	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	3
Q1932-03	COMP-5	N/A	2.17	100	Brown	Yellow	Medium	N/A	N/A	4
Q1932-05	COMP-6	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	5
Q1932-07	COMP-7	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	6
Q1933-01	OK-01-050125	N/A	2.36	100	Brown	Yellow	Medium	N/A	N/A	7
Q1933-01MS	OK-01-050125MS	N/A	2.12	100	Brown	Yellow	Medium	N/A	M6005,M6016	9
Q1933-01MSD	OK-01-050125MSD	N/A	2.37	100	Brown	Yellow	Medium	N/A	M6005,M6016	10
Q1933-01DUP	OK-01-050125DUP	N/A	2.10	100	Brown	Yellow	Medium	N/A	N/A	8
Q1935-01	MH-NN	N/A	2.18	100	Brown	Yellow	Medium	N/A	N/A	11
Q1935-05	MH-MM	N/A	2.41	100	Brown	Yellow	Medium	N/A	N/A	12
Q1939-01	GB1	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	13
Q1939-03	GB2	N/A	2.42	100	Brown	Yellow	Medium	N/A	N/A	14
Q1939-05	GB3	N/A	2.33	100	Brown	Yellow	Medium	N/A	N/A	15
Q1944-01	MELTED-RUBBER-SAMPLE	N/A	0.82	100	Brown	Yellow	Medium	N/A	N/A	16

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB167841

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: 05/02/2025 **Time :** 16:00 **Temp :** 95 °C

End Digest Date: 05/02/2025 **Time :** 16:30 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: 12

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP85520
CCV	30mL	MP85522
CRA	30mL	MP85524
Blank Spike	0.48mL	MP85513
Matrix Spike	0.48mL	MP85513

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP85526
KMnO4 (5%)	4.5mL	MP85241
Hydroxylamine HCL (12%)	2.0mL	MP85243
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	MP85514
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85155
2.5 ppb	S2.5	30mL	MP85516
5.0 ppb	S5.0	30mL	MP85517
7.5 ppb	S7.5	30mL	MP85518
10.0 ppb	S10.0	30mL	MP85519
ICV	ICV	30mL	MP85520
ICB	ICB	30mL	MP85521
CCV	CCV	30mL	MP85522
CCB	CCB	30mL	MP85523
CRI	CRI	30mL	MP85524
CHK STD	CHK STD	30mL	MP85525

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/2/25 @ 17:10	MB - DIG - Lab	MB - MERC Lab
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB167841

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB167841BL	PBS841	0.51	35	NA	N/A	3-1
PB167841BS	LCS841	0.53	35	NA	MP85513	2
Q1928-01	MH-Q	0.53	35	NA	N/A	3
Q1932-01	COMP-4	0.55	35	NA	N/A	4
Q1932-03	COMP-5	0.55	35	NA	N/A	5
Q1932-05	COMP-6	0.55	35	NA	N/A	6
Q1932-07	COMP-7	0.58	35	NA	N/A	7
Q1933-01	OK-01-050125	0.55	35	NA	N/A	8
Q1935-01	MH-NN	0.55	35	NA	N/A	9
Q1935-01DUP	MH-NNDUP	0.52	35	NA	N/A	10
Q1935-01MS	MH-NNMS	0.53	35	NA	MP85513	11
Q1935-01MSD	MH-NNMSD	0.53	35	NA	MP85513	12
Q1935-05	MH-MM	0.59	35	NA	N/A	13
Q1939-01	GB1	0.60	35	NA	N/A	14
Q1939-03	GB2	0.51	35	NA	N/A	15
Q1939-05	GB3	0.58	35	NA	N/A	16

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1939
COC Number 2045866

9
9.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G Environmental
ADDRESS: 8 Carriage
CITY Succasunna STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amsterdam
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G Environmental
ADDRESS: 8 Carriage Lane
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) X NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other Excel pdf
X EDD FORMAT hazsite NJDEP

ANALYSIS

1. TCL VOC + 15 20
2. EPH (at)
3. TAL Metals
4. 1,4 Dioxane
5.
6.
7.
8.
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								Ferric Cl		ice							← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	GB1	Soil		X	5/1/25	1121	5	X		X	X						
2.	GB1B					1128						X					
3.	GB2					1305				X	X						
4.	GB2B					1310						X					
5.	GB3					1315				X	X						
6.	GB3B	Soil		X	5/1/25	1325	5	X				X					
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/1/25 1423	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2-3° °C
Comments: Amsterdam Adjust Factor +1 TCL VOC #1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
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 : Q1939 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 5/1/2025 2:51:00 PM
Project Name : Amsterdam
Receive DateTime : 5/1/2025 2:23:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level I~~ NJ reduce
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1939-01	GB1	Solid	05/01/2025	11:21					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-02	GB1B	Solid	05/01/2025	11:28					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-03	GB2	Solid	05/01/2025	13:05					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-04	GB2B	Solid	05/01/2025	13:10					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-05	GB3	Solid	05/01/2025	13:15					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-06	GB3B	Solid	05/01/2025	13:25					
					VOCMS Group1		8260D		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q1939 GENV01	**Order Date :**	5/1/2025 2:51:00 PM	**Project Mgr :**	
Client Name :	G Environmental	**Project Name :**	Amsterdam	**Report Type :**	~~Level I~~ NJ Reduce
Client Contact :	Gary Landis	**Receive DateTime :**	5/1/2025 2:23:00 PM	**EDD Type :**	Excel NJ
Invoice Name :	G Environmental	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Gary Landis			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Tentatively stored in VOA freezer 2 Extract in VOA ref #06

Relinguished By : _____
Date / Time : 5/1/25 1520

Received By : _____
Date / Time : 5-1-25 15:30

Storage Area : VOA Refridgerator Room