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

GENERAL CHEMISTRY
METALS
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : Q2869

ATTENTION : John Ynfante

Laboratory Certification ID # 20012

Table Of Contents for Q2869

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : JACOBS Engineering Group, Inc.

Project Location : Princeton Junction Project Number : D3868221

Laboratory Sample ID(s) : Q2869 Sampling Date(s) : 8/13/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,6020B,7470A,8260D,8270-Modified,9056A,SFAM_VOCSIM,SM2320 B,SM2540 C**

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

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

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Cover Page

Order ID : Q2869

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q2869-01	MW-19B-71.5-081325
Q2869-02	MW-19B-71.5-081325
Q2869-03	MW-01-6.5-081325
Q2869-04	MW-11A-13.5-081325
Q2869-05	MW-19B-71.5-081325-FD
Q2869-06	MW-19B-71.5-081325-FD
Q2869-07	EB01-081325
Q2869-08	EB01-081325
Q2869-09	MW-19B-71.5-081325-SIM
Q2869-10	EB02-081325
Q2869-11	TB01-081325

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 : APPROVED
Sohil Jodhani, QA/QC Director , 8/27/2025, 1:37:41 PM

Date: 8/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2869
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
7 Water samples were received on 08/13/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:
The analysis perform ed on instrument MSVOA_X were done using GC colu mn DB-624UI 20m 0.18mm 1.0 um . Cat#121-1324UI. The analysis of VOCMS Group3 was based on method 8260D.

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

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
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.

Samples MW-19B-71.5-081325, MW-11A-13.5-081325, MW-19B-71.5-081325-FD, All these samples were run at straight dilution after checking past history of these samples containing high amounts of compounds cis-1,2-Dichloroethene and Trichloroethene.

Sample MW-11A-13.5-081325 was diluted due to high concentration.

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E. Additional Comments:
The SIM analysis is not required for the sample MW-19B-71.5-081325-SIM as all the SIM target analytes are detected at or above the sample adjusted CRQLs in the full scan analysis, a SIM analysis is not to be performed for that sample."

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
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 p ackage is in compliance with the te rms and conditions of the contract, both technically and for com pleteness, 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.

Signature__ APPROVED
Sohil Jodhani, QA/QC Director , 8/27/2025, 1:37:48 PM

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2869
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
11 Water samples were received on 08/13/2025.
B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1. 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 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.

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.

Sample MW-19B-71.5-081325 was diluted due to high concentration.

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

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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.

Signature___ APPROVED
Sohil Jodhani, QA/QC Director , 8/27/2025, 1:37:54 PM

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2869
Test Name: Dissolved ICP-Group2,Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
11 Water samples were received on 08/13/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS, VOC-SIM and VOCMS Group3. This data package contains results for Dissolved ICP-Group2,Mercury,Metals ICP-TAL.

C. Analytical Techniques:
The analysis of Dissolved ICP-Group2,Metals ICP-TAL was based on method 6020B, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (MW-17B-55.5-08122025MS) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (MW-17B-55.5-08122025MSD) analysis met criteria for all compounds except for Silver 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:

The Post Digest Spike (MW-17B-55.5-08122025A) analysis met criteria for all compounds except for Silver due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

Sample Q2869-01, Q2869-05, Q2869-07 were analyzed as Total Metal and Sample Q2869-02, Q2869-06, Q2869-08 were analyzed as Dissolved Metal.

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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Sohil Jodhani, QA/QC Director , 8/27/2025, 1:37:59 PM

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2869
Test Name: Alkalinity,Anions Group1,TDS

A. Number of Samples and Date of Receipt:
3 Water samples were received on 08/13/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Alkalinity,Anions Group1,TDS. This data package contains results for Alkalinity,Anions Group1,TDS.

C. Analytical Techniques:
The analysis of Anions Group1 was based on method 9056A, The analysis of Alkalinity was based on method SM2320 B and The analysis of TDS was based on method SM2540 C.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample MW-19B-71.5-081325 was diluted due to high concentrations for Chloride,Sulfate & Sample MW-19B-71.5-081325-FD was diluted due to high concentrations for Chloride,Sulfate.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike analysis met criteria for all compounds.
The Matrix Spike Duplicate analysis met criteria for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

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.

Signature___ APPROVED
Sohil Jodhani, QA/QC Director , 8/27/2025, 1:38:05 PM

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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 #: Q2869

	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:** 08/26/2025

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2869

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW-19B-71.5-081325**							
Q2869-01	MW-19B-71.5-0813	Water	cis-1,2-Dichloroethene	4900		19.0	100	ug/L
Q2869-01	MW-19B-71.5-0813	Water	Trichloroethene	5400		9.30	100	ug/L
Q2869-01	MW-19B-71.5-0813	Water	Tetrachloroethene	240		23.0	100	ug/L
			Total Voc :	10500				
			Total Concentration:	10500				
Client ID:	**MW-01-6.5-081325**							
Q2869-03	MW-01-6.5-081325	Water	cis-1,2-Dichloroethene	14.2		0.19	1.00	ug/L
Q2869-03	MW-01-6.5-081325	Water	Trichloroethene	41.5		0.090	1.00	ug/L
Q2869-03	MW-01-6.5-081325	Water	Tetrachloroethene	0.31	J	0.23	1.00	ug/L
			Total Voc :	56.0				
			Total Concentration:	56.0				
Client ID:	**MW-11A-13.5-081325**							
Q2869-04	MW-11A-13.5-0813	Water	Vinyl Chloride	11.2		2.60	10.0	ug/L
Q2869-04	MW-11A-13.5-0813	Water	cis-1,2-Dichloroethene	1500		1.90	10.0	ug/L
Q2869-04	MW-11A-13.5-0813	Water	Trichloroethene	1900	E	0.93	10.0	ug/L
Q2869-04	MW-11A-13.5-0813	Water	Tetrachloroethene	14.1		2.30	10.0	ug/L
			Total Voc :	3430				
			Total Concentration:	3430				
Client ID:	**MW-11A-13.5-081325DL**							
Q2869-04DL	MW-11A-13.5-0813	Water	cis-1,2-Dichloroethene	1500	D	3.80	20.0	ug/L
Q2869-04DL	MW-11A-13.5-0813	Water	Trichloroethene	1900	D	1.90	20.0	ug/L
Q2869-04DL	MW-11A-13.5-0813	Water	Tetrachloroethene	13.2	JD	4.60	20.0	ug/L
			Total Voc :	3410				
			Total Concentration:	3410				
Client ID:	**MW-19B-71.5-081325-FD**							
Q2869-05	MW-19B-71.5-0813	Water	Vinyl Chloride	29.5	J	10.4	40.0	ug/L
Q2869-05	MW-19B-71.5-0813	Water	1,1-Dichloroethene	27.6	J	9.20	40.0	ug/L
Q2869-05	MW-19B-71.5-0813	Water	cis-1,2-Dichloroethene	4200		7.60	40.0	ug/L
Q2869-05	MW-19B-71.5-0813	Water	Trichloroethene	4100		3.70	40.0	ug/L
Q2869-05	MW-19B-71.5-0813	Water	Tetrachloroethene	180		9.20	40.0	ug/L
			Total Voc :	8540				
			Total Concentration:	8540				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047421.D	100	08/19/25 18:22	VX081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	26.0	U	26.0	100	ug/L
75-35-4	1,1-Dichloroethene	23.0	U	23.0	100	ug/L
75-34-3	1,1-Dichloroethane	23.0	U	23.0	100	ug/L
156-59-2	cis-1,2-Dichloroethene	4900		19.0	100	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	U	20.0	100	ug/L
71-43-2	Benzene	15.0	U	15.0	100	ug/L
107-06-2	1,2-Dichloroethane	22.0	U	22.0	100	ug/L
79-01-6	Trichloroethene	5400		9.30	100	ug/L
79-00-5	1,1,2-Trichloroethane	21.0	U	21.0	100	ug/L
127-18-4	Tetrachloroethene	240		23.0	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.9		70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	49.4		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		70 (77) - 130 (121)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	5.568			
540-36-3	1,4-Difluorobenzene	405000	6.769			
3114-55-4	Chlorobenzene-d5	407000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	211000	12.018			

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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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-01-6.5-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047462.D	1	08/21/25 12:22	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	14.2		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	41.5		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.31	J	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.8		70 (74) - 130 (125)	120%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		70 (77) - 130 (121)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	206000	5.568			
540-36-3	1,4-Difluorobenzene	419000	6.769			
3114-55-4	Chlorobenzene-d5	421000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	214000	12.018			

U = Not Detected
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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:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-11A-13.5-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047460.D	10	08/21/25 11:39	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	11.2		2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	U	2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	U	2.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1500		1.90	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	U	2.00	10.0	ug/L
71-43-2	Benzene	1.50	U	1.50	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	10.0	ug/L
79-01-6	Trichloroethene	1900	E	0.93	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	U	2.10	10.0	ug/L
127-18-4	Tetrachloroethene	14.1		2.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	48.1		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		70 (77) - 130 (121)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	5.562			
540-36-3	1,4-Difluorobenzene	413000	6.769			
3114-55-4	Chlorobenzene-d5	400000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	194000	12.018			

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-11A-13.5-081325DL	SDG No.:	Q2869
Lab Sample ID:	Q2869-04DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047468.D	20	08/21/25 14:28	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5.20	UD	5.20	20.0	ug/L
75-35-4	1,1-Dichloroethene	4.60	UD	4.60	20.0	ug/L
75-34-3	1,1-Dichloroethane	4.60	UD	4.60	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1500	D	3.80	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	UD	4.00	20.0	ug/L
71-43-2	Benzene	3.00	UD	3.00	20.0	ug/L
107-06-2	1,2-Dichloroethane	4.40	UD	4.40	20.0	ug/L
79-01-6	Trichloroethene	1900	D	1.90	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	4.20	UD	4.20	20.0	ug/L
127-18-4	Tetrachloroethene	13.2	JD	4.60	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	48.4		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	5.562			
540-36-3	1,4-Difluorobenzene	387000	6.769			
3114-55-4	Chlorobenzene-d5	376000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	186000	12.018			

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Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325-FD	SDG No.:	Q2869
Lab Sample ID:	Q2869-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047461.D	40	08/21/25 12:00	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	29.5	J	10.4	40.0	ug/L
75-35-4	1,1-Dichloroethene	27.6	J	9.20	40.0	ug/L
75-34-3	1,1-Dichloroethane	9.20	U	9.20	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	4200		7.60	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	8.00	U	8.00	40.0	ug/L
71-43-2	Benzene	6.00	U	6.00	40.0	ug/L
107-06-2	1,2-Dichloroethane	8.80	U	8.80	40.0	ug/L
79-01-6	Trichloroethene	4100		3.70	40.0	ug/L
79-00-5	1,1,2-Trichloroethane	8.40	U	8.40	40.0	ug/L
127-18-4	Tetrachloroethene	180		9.20	40.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.8		70 (74) - 130 (125)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	49.1		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	235000	5.562			
540-36-3	1,4-Difluorobenzene	478000	6.769			
3114-55-4	Chlorobenzene-d5	478000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	248000	12.018			

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	EB01-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047416.D	1	08/19/25 16:36	VX081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.9		70 (74) - 130 (125)	122%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.2		70 (77) - 130 (121)	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223000	5.562			
540-36-3	1,4-Difluorobenzene	450000	6.769			
3114-55-4	Chlorobenzene-d5	465000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	239000	12.018			

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	EB02-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047417.D	1	08/19/25 16:57	VX081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.0		70 (74) - 130 (125)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.2		70 (77) - 130 (121)	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	206000	5.562			
540-36-3	1,4-Difluorobenzene	414000	6.769			
3114-55-4	Chlorobenzene-d5	418000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	213000	12.018			

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	TB01-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047418.D	1	08/19/25 17:18	VX081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		70 (74) - 130 (125)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.8		70 (77) - 130 (121)	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	5.562			
540-36-3	1,4-Difluorobenzene	415000	6.769			
3114-55-4	Chlorobenzene-d5	421000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	220000	12.018			

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QC SUMMARY

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

Surrogate Summary

SDG No.: Q2869

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2869-01	MW-19B-71.5-081325	1,2-Dichloroethane-d4	50	57.9	116		70 (74)	130 (125)
		Dibromofluoromethane	50	50.5	101		70 (75)	130 (124)
		Toluene-d8	50	49.4	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.0	110		70 (77)	130 (121)
Q2869-03	MW-01-6.5-081325	1,2-Dichloroethane-d4	50	59.8	120		70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101		70 (75)	130 (124)
		Toluene-d8	50	48.8	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.5	113		70 (77)	130 (121)
Q2869-04	MW-11A-13.5-081325	1,2-Dichloroethane-d4	50	52.2	104		70 (74)	130 (125)
		Dibromofluoromethane	50	48.0	96		70 (75)	130 (124)
		Toluene-d8	50	48.1	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.3	107		70 (77)	130 (121)
Q2869-04DL	MW-11A-13.5-081325DL	1,2-Dichloroethane-d4	50	53.2	106		70 (74)	130 (125)
		Dibromofluoromethane	50	48.4	97		70 (75)	130 (124)
		Toluene-d8	50	48.5	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.1	106		70 (77)	130 (121)
Q2869-05	MW-19B-71.5-081325-FD	1,2-Dichloroethane-d4	50	56.8	114		70 (74)	130 (125)
		Dibromofluoromethane	50	49.6	99		70 (75)	130 (124)
		Toluene-d8	50	49.1	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.7	111		70 (77)	130 (121)
Q2869-07	EB01-081325	1,2-Dichloroethane-d4	50	60.9	122		70 (74)	130 (125)
		Dibromofluoromethane	50	51.7	103		70 (75)	130 (124)
		Toluene-d8	50	50.0	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.2	114		70 (77)	130 (121)
Q2869-10	EB02-081325	1,2-Dichloroethane-d4	50	57.0	114		70 (74)	130 (125)
		Dibromofluoromethane	50	51.0	102		70 (75)	130 (124)
		Toluene-d8	50	50.3	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.1	112		70 (77)	130 (121)
Q2869-11	TB01-081325	1,2-Dichloroethane-d4	50	58.6	117		70 (74)	130 (125)
		Dibromofluoromethane	50	49.8	100		70 (75)	130 (124)
		Toluene-d8	50	48.2	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.8	112		70 (77)	130 (121)
VX0819WBL01	VX0819WBL01	1,2-Dichloroethane-d4	50	57.3	114		70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102		70 (75)	130 (124)
		Toluene-d8	50	49.5	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.1	112		70 (77)	130 (121)
VX0819WBS01	VX0819WBS01	1,2-Dichloroethane-d4	50	54.3	109		70 (74)	130 (125)
		Dibromofluoromethane	50	52.1	104		70 (75)	130 (124)
		Toluene-d8	50	50.5	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.8	106		70 (77)	130 (121)
VX0819WBSD0	VX0819WBSD01	1,2-Dichloroethane-d4	50	54.2	108		70 (74)	130 (125)
		Dibromofluoromethane	50	52.0	104		70 (75)	130 (124)
		Toluene-d8	50	50.7	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.7	107		70 (77)	130 (121)
VX0821WBL01	VX0821WBL01	1,2-Dichloroethane-d4	50	57.4	115		70 (74)	130 (125)
		Dibromofluoromethane	50	49.0	98		70 (75)	130 (124)
		Toluene-d8	50	48.7	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.6	111		70 (77)	130 (121)
VX0821WBS02	VX0821WBS02	1,2-Dichloroethane-d4	50	57.3	115		70 (74)	130 (125)
		Dibromofluoromethane	50	51.6	103		70 (75)	130 (124)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q2869

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VX0821WBS02	VX0821WBS02	Toluene-d8	50	50.2	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.6	111		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2869 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, Inc. **Datafile :** VX047403.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0819WBS01	Vinyl chloride	20	16.6	ug/L	83			70 (65)	130 (117)	
	1,1-Dichloroethene	20	17.3	ug/L	86			70 (74)	130 (110)	
	1,1-Dichloroethane	20	18.6	ug/L	93			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	18.5	ug/L	93			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	17.9	ug/L	90			70 (80)	130 (108)	
	Benzene	20	18.0	ug/L	90			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.7	ug/L	94			70 (80)	130 (115)	
	Trichloroethene	20	17.2	ug/L	86			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	18.8	ug/L	94			70 (83)	130 (112)	
	Tetrachloroethene	20	16.7	ug/L	84			70 (67)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2869 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, Inc. **Datafile :** VX047405.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0819WBSD01	Vinyl chloride	20	16.4	ug/L	82	1		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	16.5	ug/L	83	4		70 (74)	130 (110)	20 (20)
	1,1-Dichloroethane	20	17.9	ug/L	90	3		70 (78)	130 (112)	20 (20)
	cis-1,2-Dichloroethene	20	17.8	ug/L	89	4		70 (77)	130 (110)	20 (20)
	1,1,1-Trichloroethane	20	17.5	ug/L	88	2		70 (80)	130 (108)	20 (20)
	Benzene	20	17.6	ug/L	88	2		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	19.0	ug/L	95	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.1	ug/L	86	0		70 (77)	130 (113)	20 (15)
	1,1,2-Trichloroethane	20	19.2	ug/L	96	2		70 (83)	130 (112)	20 (20)
	Tetrachloroethene	20	16.4	ug/L	82	2		70 (67)	130 (123)	20 (15)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2869 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, Inc. **Datafile :** VX047467.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0821WBS02	Vinyl chloride	20	19.3	ug/L	97			70 (65)	130 (117)	
	1,1-Dichloroethene	20	20.0	ug/L	100			70 (74)	130 (110)	
	1,1-Dichloroethane	20	21.8	ug/L	109			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	21.9	ug/L	110			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	20.6	ug/L	103			70 (80)	130 (108)	
	Benzene	20	20.6	ug/L	103			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.5	ug/L	108			70 (80)	130 (115)	
	Trichloroethene	20	20.1	ug/L	101			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			70 (83)	130 (112)	
	Tetrachloroethene	20	18.2	ug/L	91			70 (67)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0819WBL01

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2869

Lab File ID: VX047402.D | Lab Sample ID: VX0819WBL01

Date Analyzed: 08/19/2025 | Time Analyzed: 10:55

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0819WBS01	VX0819WBS01	VX047403.D	08/19/2025
VX0819WBSD01	VX0819WBSD01	VX047405.D	08/19/2025
EB01-081325	Q2869-07	VX047416.D	08/19/2025
EB02-081325	Q2869-10	VX047417.D	08/19/2025
TB01-081325	Q2869-11	VX047418.D	08/19/2025
MW-19B-71.5-081325	Q2869-01	VX047421.D	08/19/2025

COMMENTS:

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Fax : 908 789 8922

VOLATILE METHOD BLANK SUMMARY

Client ID: VX0821WBL01

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2869

Lab File ID: VX047457.D | Lab Sample ID: VX0821WBL01

Date Analyzed: 08/21/2025 | Time Analyzed: 10:24

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-11A-13.5-081325	Q2869-04	VX047460.D	08/21/2025
MW-19B-71.5-081325-FD	Q2869-05	VX047461.D	08/21/2025
MW-01-6.5-081325	Q2869-03	VX047462.D	08/21/2025
VX0821WBS02	VX0821WBS02	VX047467.D	08/21/2025
MW-11A-13.5-081325DL	Q2869-04DL	VX047468.D	08/21/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2869

Lab File ID: VX047347.D | BFB Injection Date: 08/15/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:28

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.4
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	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	71.9 (96.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VX047349.D	08/15/2025	09:40
VSTDICC020	VSTDICC020	VX047350.D	08/15/2025	10:01
VSTDICCC050	VSTDICCC050	VX047351.D	08/15/2025	10:22
VSTDICC100	VSTDICC100	VX047352.D	08/15/2025	10:43
VSTDICC150	VSTDICC150	VX047353.D	08/15/2025	11:05
VSTDICC001	VSTDICC001	VX047356.D	08/15/2025	12:30

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2869

Lab File ID: VX047399.D | BFB Injection Date: 08/19/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:38

GC Column: DB-624UI ID: 0.18 (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	50.5
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	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.1
175	5.0 - 9.0% of mass 174	5.3 (7.4) 1
176	95.0 - 101.0% of mass 174	70.3 (97.6) 1
177	5.0 - 9.0% of mass 176	5 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047400.D	08/19/2025	09:37
VX0819WBL01	VX0819WBL01	VX047402.D	08/19/2025	10:55
VX0819WBS01	VX0819WBS01	VX047403.D	08/19/2025	11:55
VX0819WBSD01	VX0819WBSD01	VX047405.D	08/19/2025	12:37
EB01-081325	Q2869-07	VX047416.D	08/19/2025	16:36
EB02-081325	Q2869-10	VX047417.D	08/19/2025	16:57
TB01-081325	Q2869-11	VX047418.D	08/19/2025	17:18
MW-19B-71.5-081325	Q2869-01	VX047421.D	08/19/2025	18:22

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2869

Lab File ID: VX047454.D | BFB Injection Date: 08/21/2025

Instrument ID: MSVOA_X | BFB Injection Time: 07:58

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	51.8
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	0.8 (1) 1
174	50.0 - 100.0% of mass 95	77.9
175	5.0 - 9.0% of mass 174	5.5 (7.1) 1
176	95.0 - 101.0% of mass 174	74.3 (95.4) 1
177	5.0 - 9.0% of mass 176	5 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047455.D	08/21/2025	09:35
VX0821WBL01	VX0821WBL01	VX047457.D	08/21/2025	10:24
MW-11A-13.5-081325	Q2869-04	VX047460.D	08/21/2025	11:39
MW-19B-71.5-081325-FD	Q2869-05	VX047461.D	08/21/2025	12:00
MW-01-6.5-081325	Q2869-03	VX047462.D	08/21/2025	12:22
VX0821WBS02	VX0821WBS02	VX047467.D	08/21/2025	14:07
MW-11A-13.5-081325DL	Q2869-04DL	VX047468.D	08/21/2025	14:28

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2869

Lab File ID: VX047400.D Date Analyzed: 08/19/2025

Instrument ID: MSVOA_X Time Analyzed: 09:37

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	203851	5.56	365078	6.76	334051	10.06
UPPER LIMIT	407702	6.062	730156	7.263	668102	10.555
LOWER LIMIT	101926	5.062	182539	6.263	167026	9.555
EPA SAMPLE NO.						
MW-19B-71.5-081325	199878	5.57	404740	6.77	406772	10.06
EB01-081325	223227	5.56	449571	6.77	464745	10.06
EB02-081325	205773	5.56	414097	6.77	417583	10.06
TB01-081325	204851	5.56	415100	6.77	420679	10.06
VX0819WBL01	204625	5.56	410508	6.76	416324	10.06
VX0819WBS01	225610	5.56	400778	6.76	370967	10.05
VX0819WBSD01	228746	5.57	395063	6.77	371284	10.06

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: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2869

Lab File ID: VX047400.D Date Analyzed: 08/19/2025

Instrument ID: MSVOA_X Time Analyzed: 09:37

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	167955	12.018				
UPPER LIMIT	335910	12.518				
LOWER LIMIT	83977.5	11.518				
EPA SAMPLE NO.						
MW-19B-71.5-081325	210685	12.02				
EB01-081325	238761	12.02				
EB02-081325	212656	12.02				
TB01-081325	219893	12.02				
VX0819WBL01	212865	12.02				
VX0819WBS01	189862	12.02				
VX0819WBSD01	189413	12.02				

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: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2869

Lab File ID: VX047455.D Date Analyzed: 08/21/2025

Instrument ID: MSVOA_X Time Analyzed: 09:35

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	229258	5.56	398048	6.76	349454	10.05
UPPER LIMIT	458516	6.056	796096	7.263	698908	10.549
LOWER LIMIT	114629	5.056	199024	6.263	174727	9.549
EPA SAMPLE NO.						
MW-01-6.5-081325	206081	5.57	418758	6.77	421107	10.06
MW-11A-13.5-081325	209250	5.56	413436	6.77	399927	10.06
MW-11A-13.5-081325DL	195089	5.56	386665	6.77	376333	10.06
MW-19B-71.5-081325-FD	234783	5.56	477817	6.77	477729	10.06
VX0821WBL01	216518	5.56	445927	6.77	448054	10.06
VX0821WBS02	219757	5.56	395822	6.77	370697	10.06

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: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2869

Lab File ID: VX047455.D Date Analyzed: 08/21/2025

Instrument ID: MSVOA_X Time Analyzed: 09:35

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	170891	12.018				
UPPER LIMIT	341782	12.518				
LOWER LIMIT	85445.5	11.518				
EPA SAMPLE NO.						
MW-01-6.5-081325	214194	12.02				
MW-11A-13.5-081325	194035	12.02				
MW-11A-13.5-081325DL	185836	12.02				
MW-19B-71.5-081325-FD	247621	12.02				
VX0821WBL01	231897	12.02				
VX0821WBS02	193487	12.02				

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0819WBL01	SDG No.:	Q2869
Lab Sample ID:	VX0819WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047402.D	1	08/19/25 10:55	VX081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.2		70 (74) - 130 (125)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		70 (77) - 130 (121)	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	5.562			
540-36-3	1,4-Difluorobenzene	411000	6.763			
3114-55-4	Chlorobenzene-d5	416000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	213000	12.018			

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:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0821WBL01	SDG No.:	Q2869
Lab Sample ID:	VX0821WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047457.D	1	08/21/25 10:24	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.4		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	217000	5.562			
540-36-3	1,4-Difluorobenzene	446000	6.769			
3114-55-4	Chlorobenzene-d5	448000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	232000	12.018			

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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:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0819WBS01	SDG No.:	Q2869
Lab Sample ID:	VX0819WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047403.D	1	08/19/25 11:55	VX081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.6		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.6		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.9		0.20	1.00	ug/L
71-43-2	Benzene	18.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.7		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.2		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.8		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	16.7		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	226000	5.556			
540-36-3	1,4-Difluorobenzene	401000	6.763			
3114-55-4	Chlorobenzene-d5	371000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	190000	12.018			

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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:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0821WBS02	SDG No.:	Q2869
Lab Sample ID:	VX0821WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047467.D	1	08/21/25 14:07	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.3		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.8		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.9		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.6		0.20	1.00	ug/L
71-43-2	Benzene	20.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.1		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	18.2		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.3		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	5.562			
540-36-3	1,4-Difluorobenzene	396000	6.769			
3114-55-4	Chlorobenzene-d5	371000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	193000	12.018			

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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:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0819WBSD01	SDG No.:	Q2869
Lab Sample ID:	VX0819WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047405.D	1	08/19/25 12:37	VX081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.4		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.5		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.9		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.8		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.5		0.20	1.00	ug/L
71-43-2	Benzene	17.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.1		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.2		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	16.4		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.2		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		70 (77) - 130 (121)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	229000	5.568			
540-36-3	1,4-Difluorobenzene	395000	6.769			
3114-55-4	Chlorobenzene-d5	371000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	189000	12.018			

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MDL = Method Detection Limit
LOD = Limit of Detection
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D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: MSVOA_X Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 12:30

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.651	0.751	0.800	0.729	0.757	0.630	0.720	9.2
1,1-Dichloroethene	0.575	0.664	0.697	0.635	0.651	0.555	0.630	8.6
1,1-Dichloroethane	1.180	1.294	1.356	1.210	1.238	1.052	1.222	8.5
cis-1,2-Dichloroethene	0.758	0.826	0.846	0.769	0.779	0.692	0.778	7
1,1,1-Trichloroethane	1.043	1.151	1.195	1.081	1.106	0.863	1.073	10.8
Benzene	1.502	1.665	1.701	1.516	1.504	1.312	1.533	9.1
1,2-Dichloroethane	0.521	0.594	0.600	0.532	0.528	0.484	0.543	8.3
Trichloroethene	0.383	0.423	0.432	0.390	0.391	0.336	0.393	8.6
1,1,2-Trichloroethane	0.358	0.393	0.396	0.352	0.347	0.313	0.360	8.6
Tetrachloroethene	0.351	0.384	0.398	0.360	0.360	0.316	0.362	7.8
1,2-Dichloroethane-d4	0.709	0.581	0.700	0.747	0.762		0.700	10.2
Dibromofluoromethane	0.310	0.278	0.331	0.354	0.349		0.325	9.6
Toluene-d8	1.157	0.994	1.171	1.246	1.232		1.160	8.7
4-Bromofluorobenzene	0.441	0.371	0.428	0.452	0.448		0.428	7.8

* 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: Alliance | Contract: JACO05

Lab Code: ACE | SDG No.: Q2869

Instrument ID: MSVOA_X | Calibration Date/Time: 08/19/2025 09:37

Lab File ID: VX047400.D | Init. Calib. Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:40 12:30

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.720	0.658		-8.61	20
1,1-Dichloroethene	0.630	0.596		-5.4	20
1,1-Dichloroethane	1.222	1.251	0.1	2.37	20
cis-1,2-Dichloroethene	0.778	0.806		3.6	20
1,1,1-Trichloroethane	1.073	1.041		-2.98	20
Benzene	1.533	1.493		-2.61	20
1,2-Dichloroethane	0.543	0.561		3.32	20
Trichloroethene	0.393	0.360		-8.4	20
1,1,2-Trichloroethane	0.360	0.376		4.44	20
Tetrachloroethene	0.362	0.319		-11.88	20
1,2-Dichloroethane-d4	0.700	0.805		15	20
Dibromofluoromethane	0.325	0.344		5.85	20
Toluene-d8	1.160	1.173		1.12	20
4-Bromofluorobenzene	0.428	0.455		6.31	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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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: MSVOA_X Calibration Date/Time: 08/21/2025 09:35

Lab File ID: VX047455.D Init. Calib. Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:40 12:30

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.720	0.680		-5.56	20
1,1-Dichloroethene	0.630	0.604		-4.13	20
1,1-Dichloroethane	1.222	1.230	0.1	0.65	20
cis-1,2-Dichloroethene	0.778	0.772		-0.77	20
1,1,1-Trichloroethane	1.073	1.042		-2.89	20
Benzene	1.533	1.480		-3.46	20
1,2-Dichloroethane	0.543	0.540		-0.55	20
Trichloroethene	0.393	0.363		-7.63	20
1,1,2-Trichloroethane	0.360	0.356		-1.11	20
Tetrachloroethene	0.362	0.340		-6.08	20
1,2-Dichloroethane-d4	0.700	0.705		0.71	20
Dibromofluoromethane	0.325	0.317		-2.46	20
Toluene-d8	1.160	1.105		-4.74	20
4-Bromofluorobenzene	0.428	0.421		-1.64	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_X\Data\VX081925\
Data File : VX047421.D
Acq On : 19 Aug 2025 18:22
Operator : JC/MD
Sample : Q2869-01 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

Quant Time: Aug 20 01:31:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

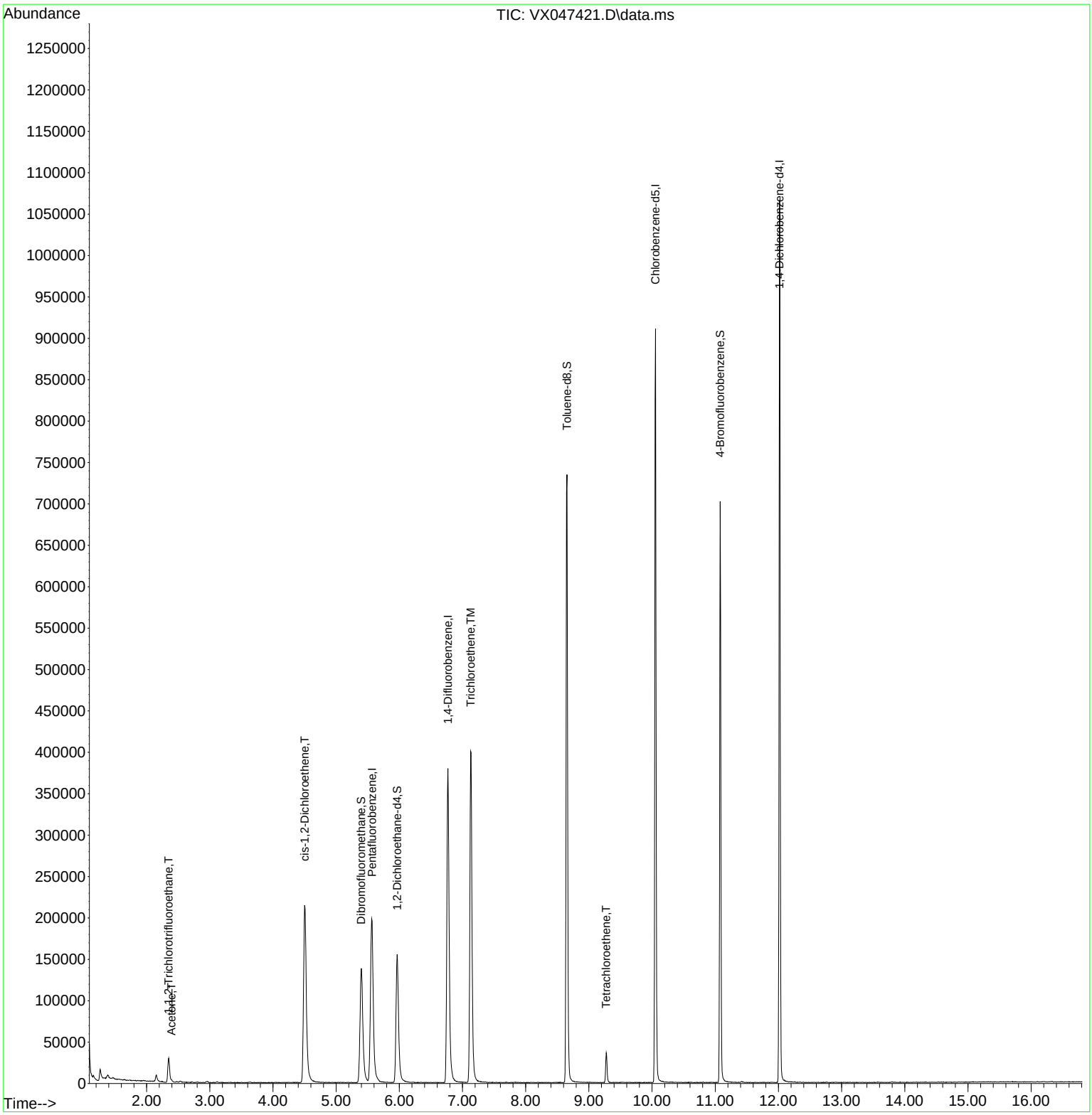
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	199878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	404740	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	406772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	161847	57.857	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.720%			
35) Dibromofluoromethane	5.397	113	132697	50.517	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.040%			
50) Toluene-d8	8.653	98	463512	49.368	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.740%			
62) 4-Bromofluorobenzene	11.079	95	190416	54.959	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.920%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.349	101	12950	5.246	ug/l	98
16) Acetone	2.392	43	2004	1.906	ug/l #	84
27) cis-1,2-Dichloroethene	4.501	96	151907	48.828	ug/l	90
44) Trichloroethene	7.129	130	170320	53.593	ug/l	100
64) Tetrachloroethene	9.275	164	7149	2.430	ug/l	95

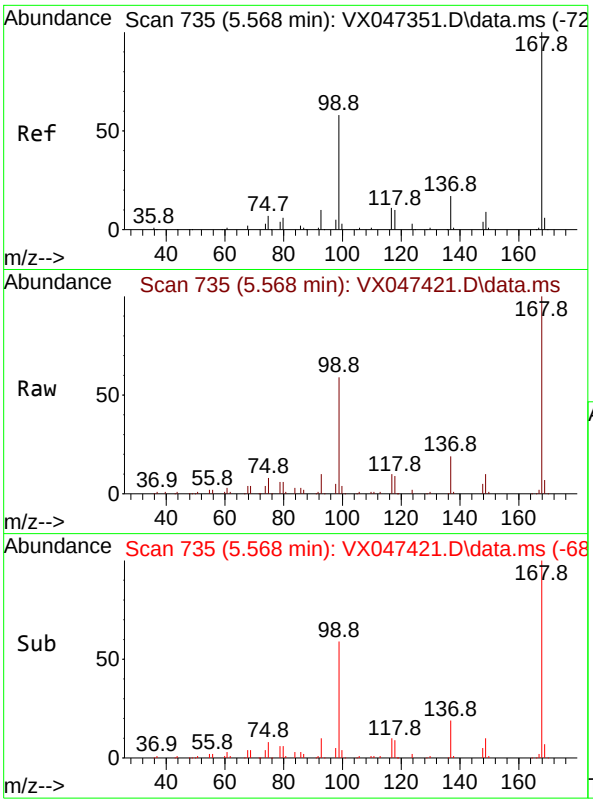
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047421.D
Acq On : 19 Aug 2025 18:22
Operator : JC/MD
Sample : Q2869-01 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

Quant Time: Aug 20 01:31:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



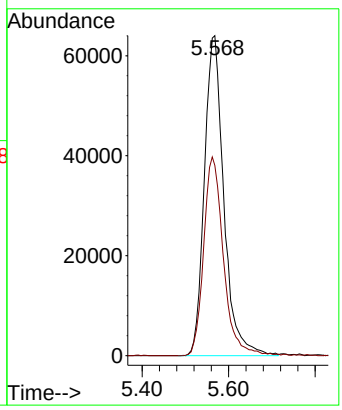


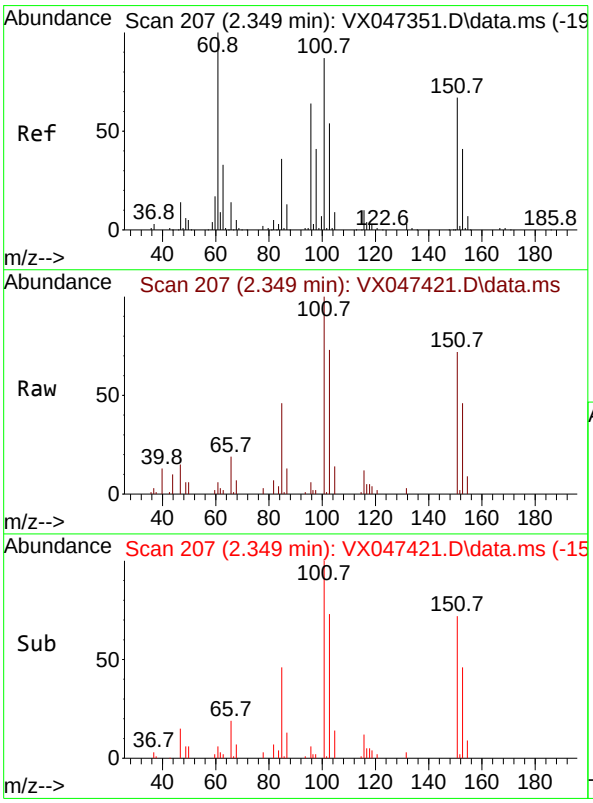
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

Tgt Ion:168 Resp: 199878

Ion	Ratio	Lower	Upper
168	100		
99	59.5	47.9	71.9

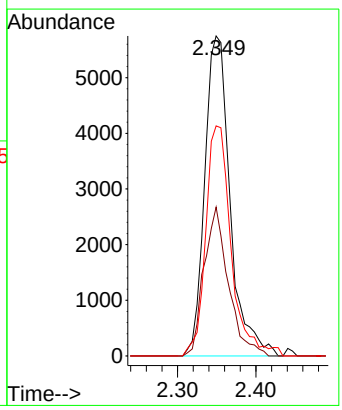


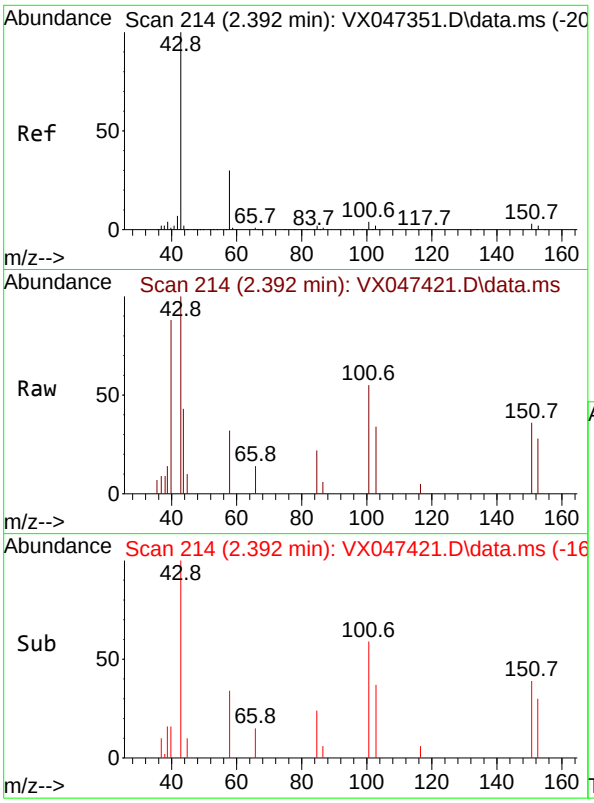


#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.246 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion:101 Resp: 12950

Ion	Ratio	Lower	Upper
101	100		
85	44.8	34.3	51.5
151	72.1	59.2	88.8



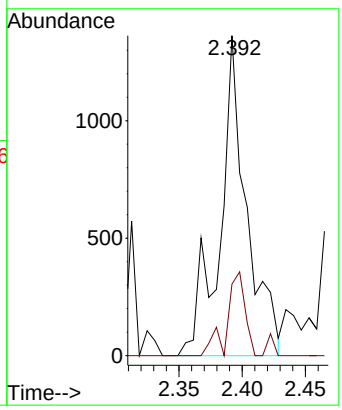


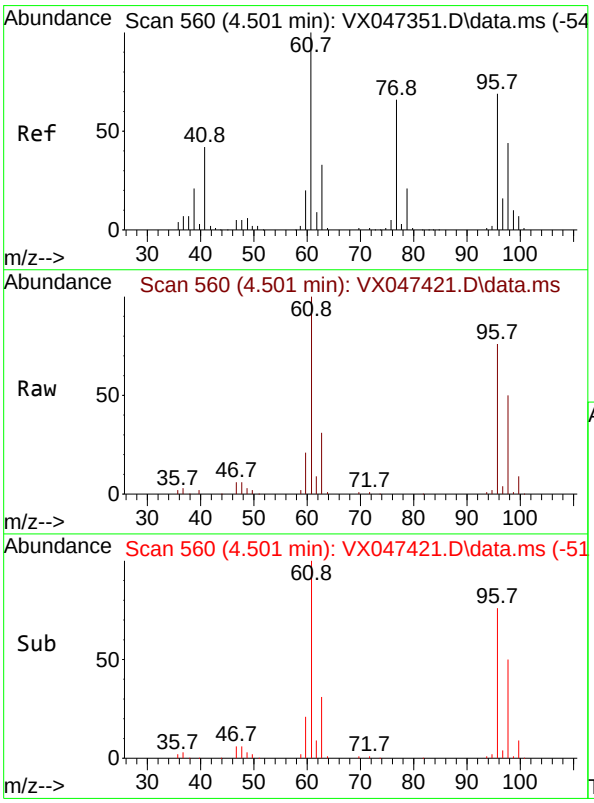
#16
Acetone
Concen: 1.906 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

Tgt Ion: 43 Resp: 2004

Ion	Ratio	Lower	Upper
43	100		
58	22.3	24.8	37.2#

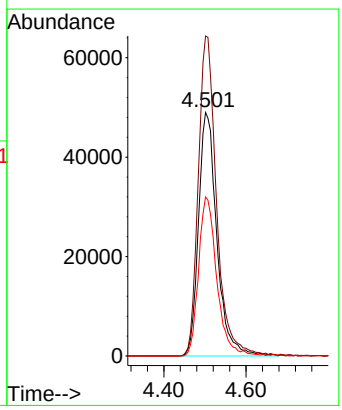


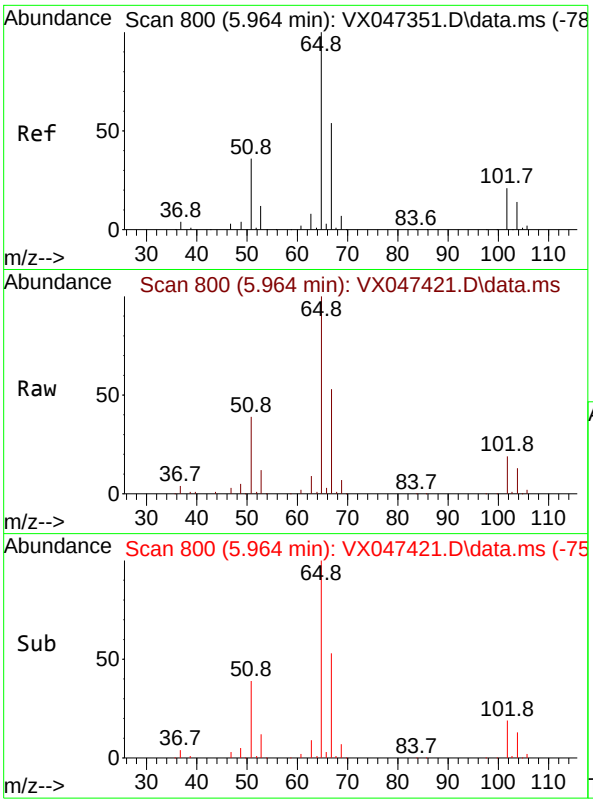


#27
cis-1,2-Dichloroethene
Concen: 48.828 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion: 96 Resp: 151907

Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	296.6
98	64.8	0.0	130.4



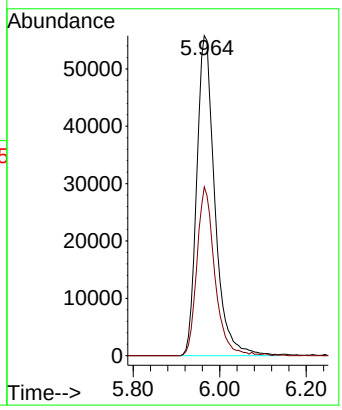


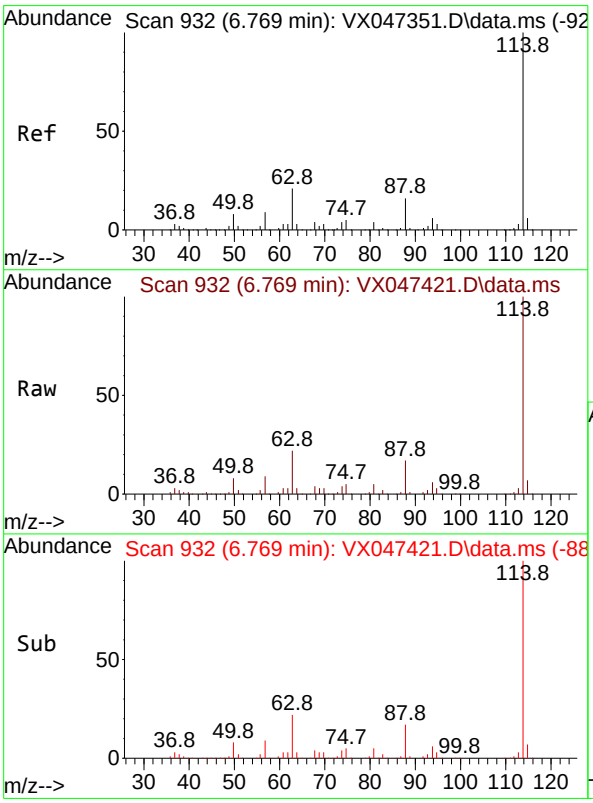
#33
1,2-Dichloroethane-d4
Concen: 57.857 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

Tgt Ion: 65 Resp: 161847

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.0

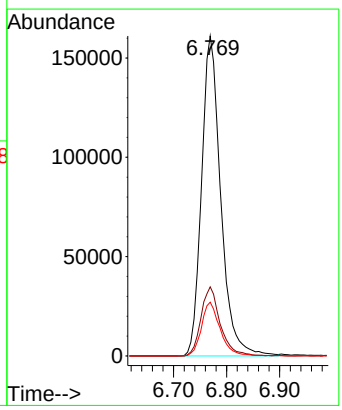


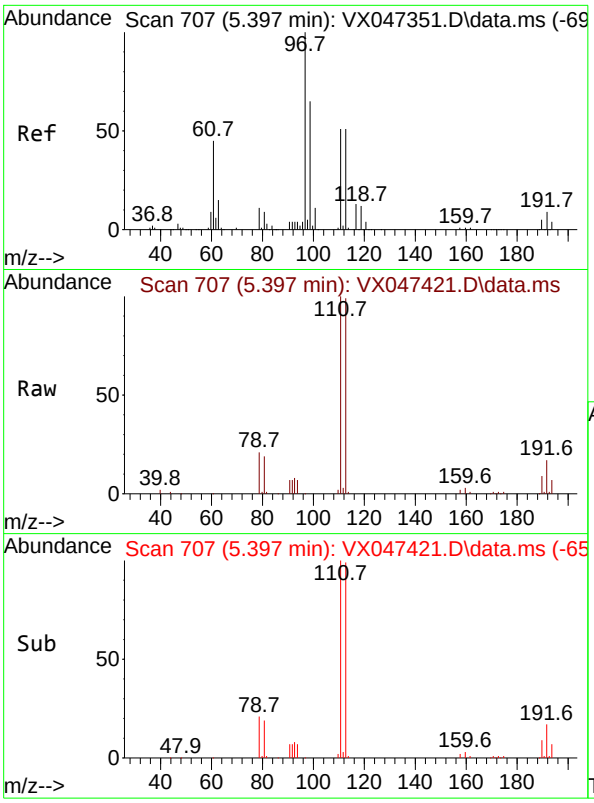


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion:114 Resp: 404740

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.4
88	16.8	0.0	33.0



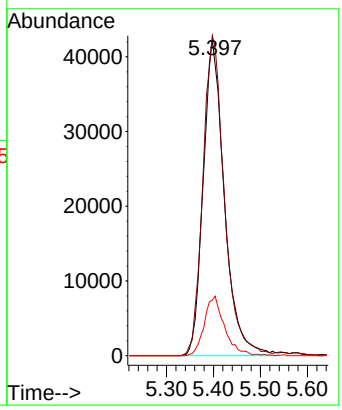


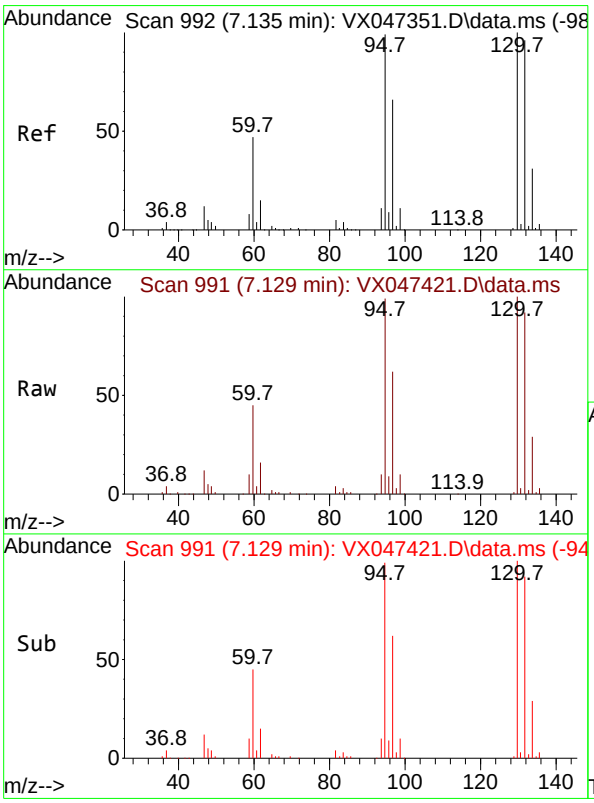
#35
Dibromofluoromethane
Concen: 50.517 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

Tgt Ion:113 Resp: 132697

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.2
192	18.0	14.1	21.1

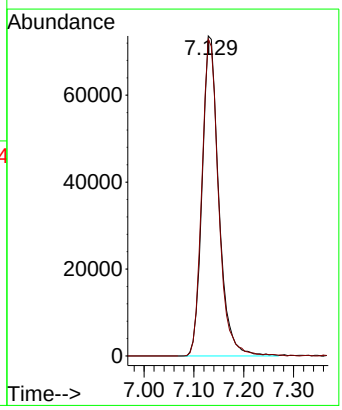


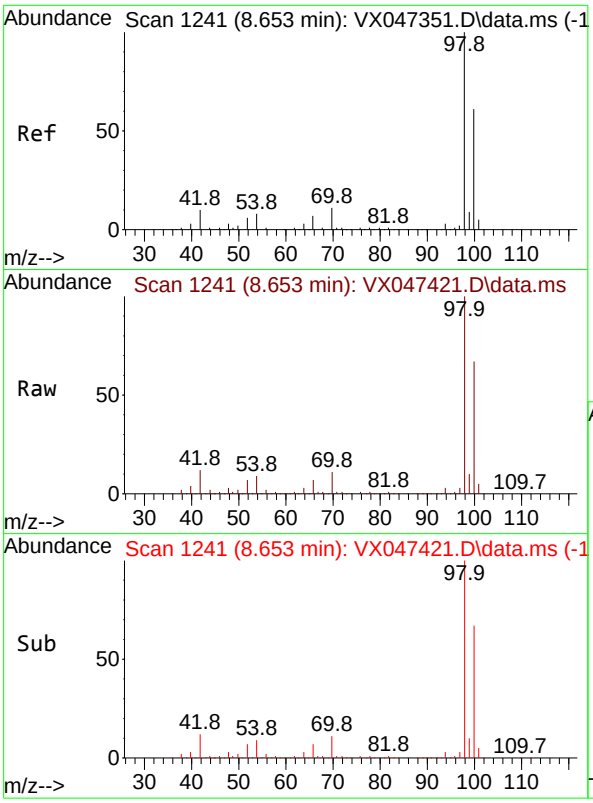


#44
Trichloroethene
Concen: 53.593 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion:130 Resp: 170320

Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	198.6



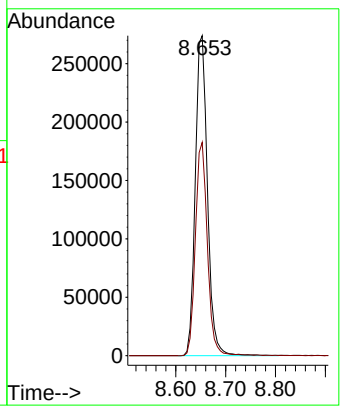


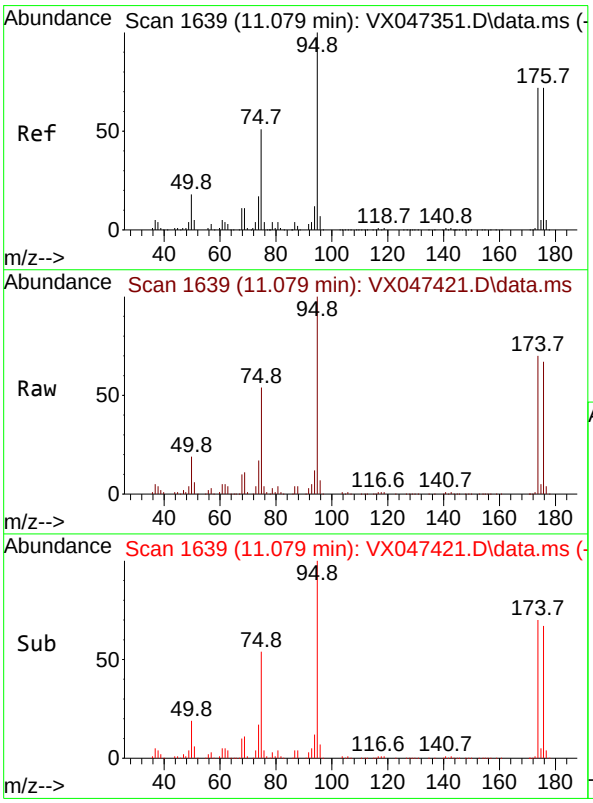
#50
Toluene-d8
Concen: 49.368 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

Tgt Ion: 98 Resp: 463512

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.9	80.9

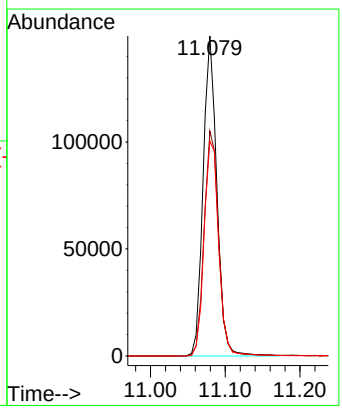


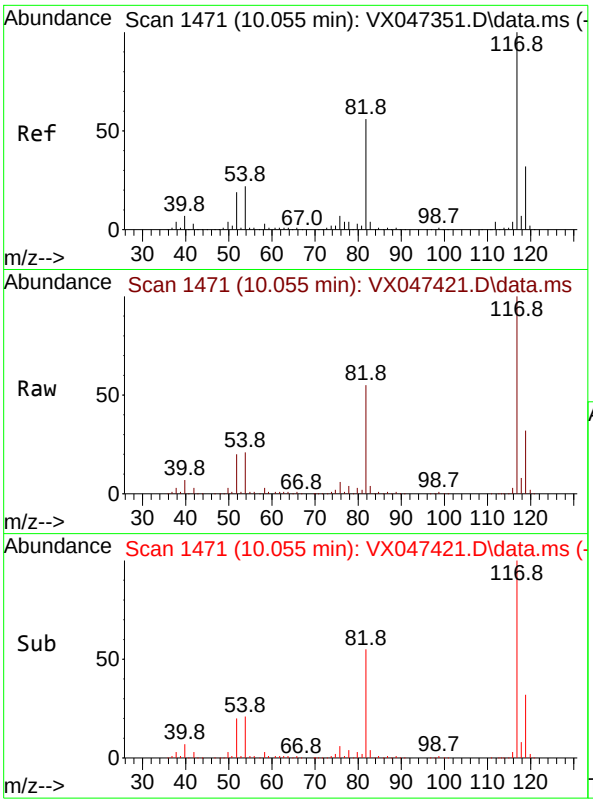


#62
4-Bromofluorobenzene
Concen: 54.959 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion: 95 Resp: 190416

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	148.0
176	71.8	0.0	145.4



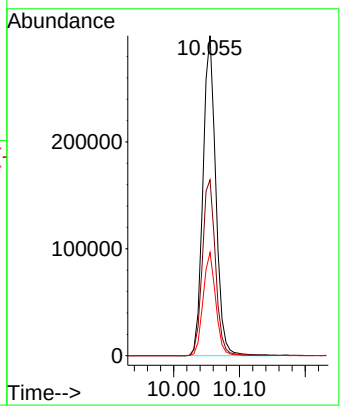


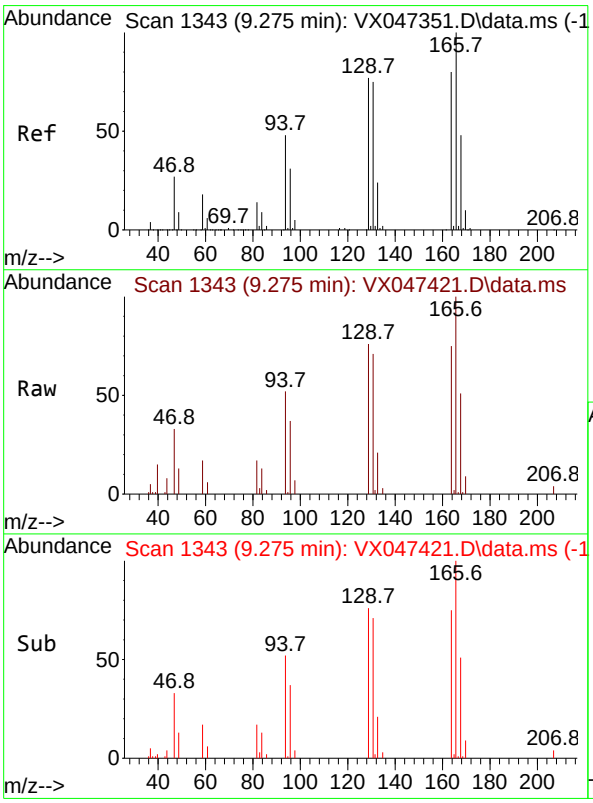
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

Tgt Ion:117 Resp: 406772

Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.0	67.4
119	32.2	25.8	38.8

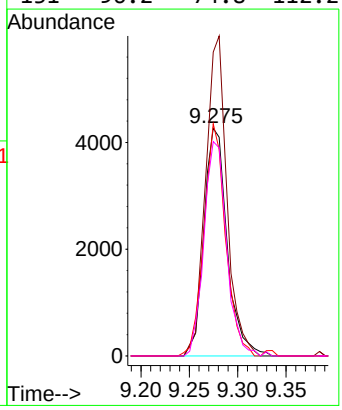


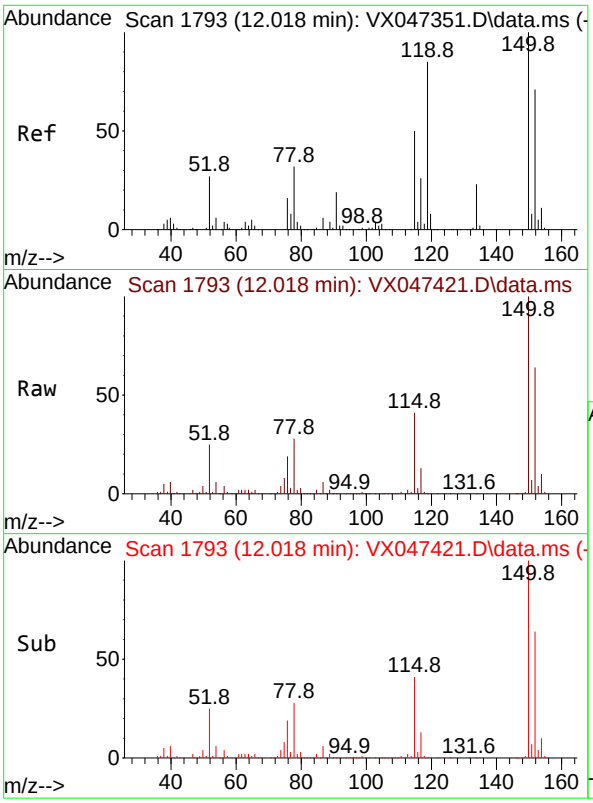


#64
Tetrachloroethene
Concen: 2.430 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion:164 Resp: 7149

Ion	Ratio	Lower	Upper
164	100		
166	133.4	100.3	150.5
129	102.0	77.7	116.5
131	96.2	74.8	112.2



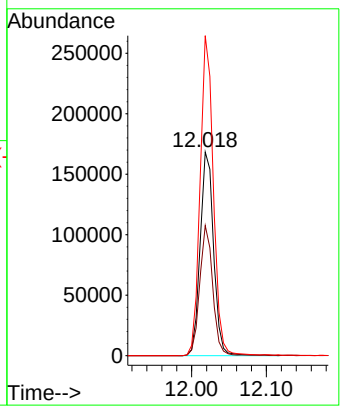


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

Tgt Ion:152 Resp: 210685

Ion	Ratio	Lower	Upper
152	100		
115	61.9	44.6	133.8
150	154.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047462.D
Acq On : 21 Aug 2025 12:22
Operator : JC/MD
Sample : Q2869-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

Quant Time: Aug 22 03:43:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

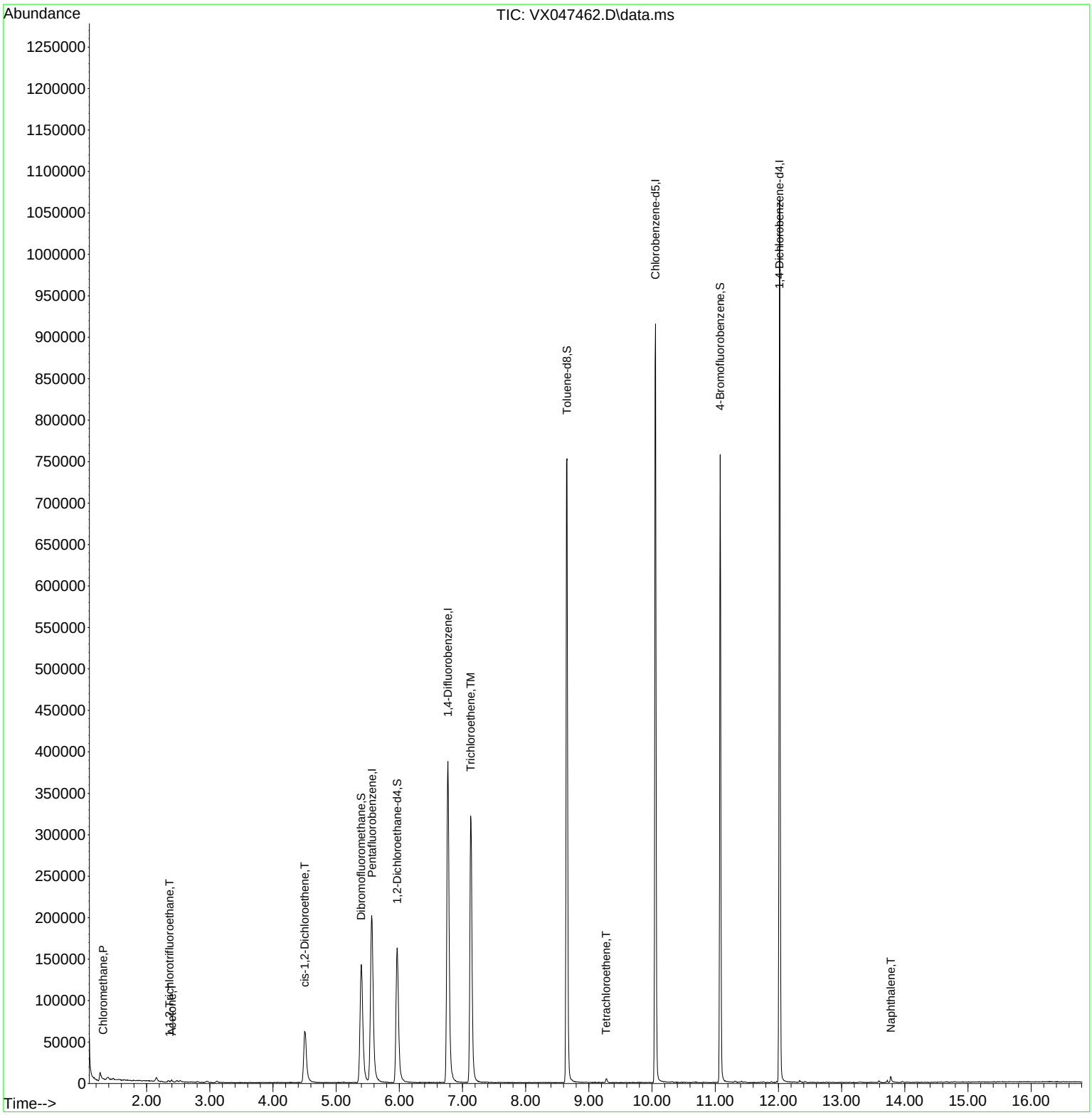
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	206081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	418758	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	421107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	214194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	172517	59.815	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.640%#			
35) Dibromofluoromethane	5.397	113	137805	50.705	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.420%			
50) Toluene-d8	8.653	98	473569	48.751	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.500%			
62) 4-Bromofluorobenzene	11.079	95	202612	56.522	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.040%			
Target Compounds						Qvalue
3) Chloromethane	1.313	50	685	0.290	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.361	101	770	0.303	ug/l	89
16) Acetone	2.398	43	4044	3.730	ug/l #	79
27) cis-1,2-Dichloroethene	4.501	96	45426	14.162	ug/l	90
44) Trichloroethene	7.129	130	136522	41.520	ug/l	97
64) Tetrachloroethene	9.275	164	938	0.308	ug/l #	82
95) Naphthalene	13.780	128	6519	0.458	ug/l #	93

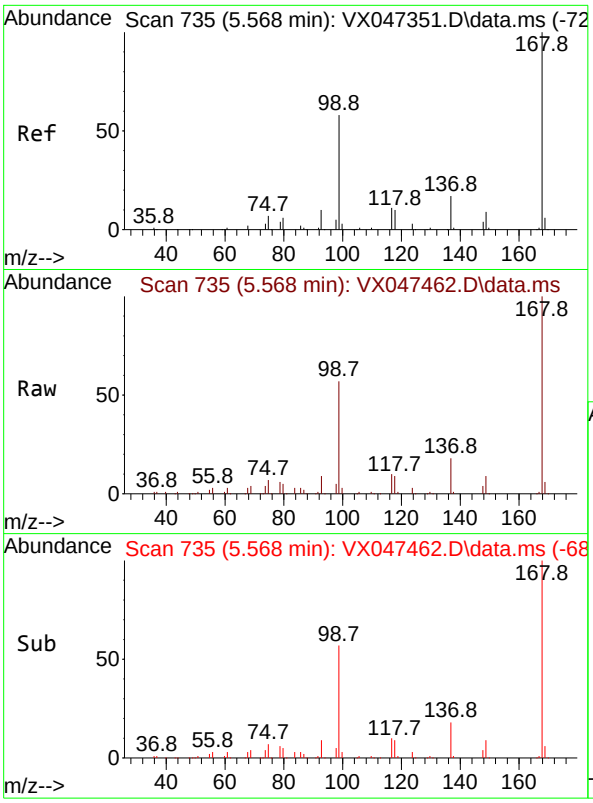
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047462.D
Acq On : 21 Aug 2025 12:22
Operator : JC/MD
Sample : Q2869-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

Quant Time: Aug 22 03:43:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



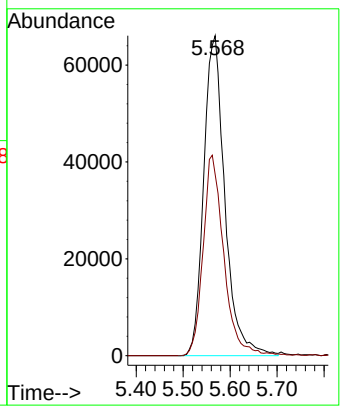


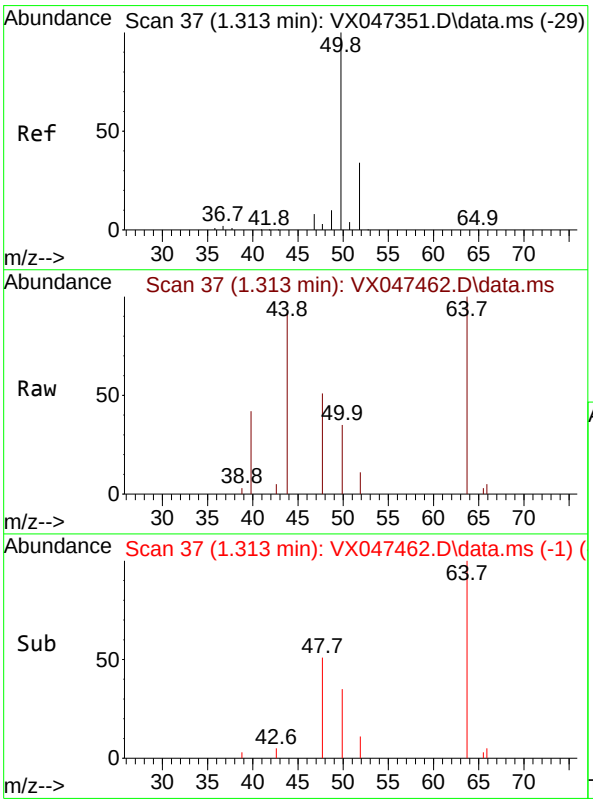
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

Tgt Ion:168 Resp: 206081

Ion	Ratio	Lower	Upper
168	100		
99	56.6	47.9	71.9

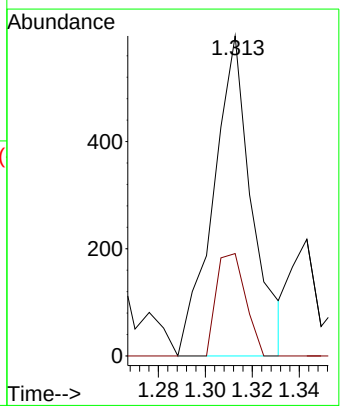


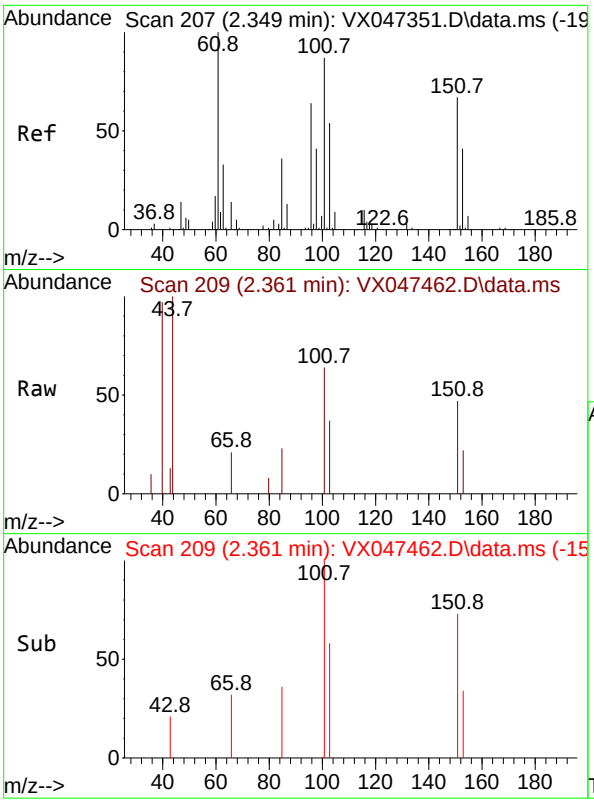


#3
Chloromethane
Concen: 0.290 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion: 50 Resp: 685

Ion	Ratio	Lower	Upper
50	100		
52	32.0	27.0	40.4



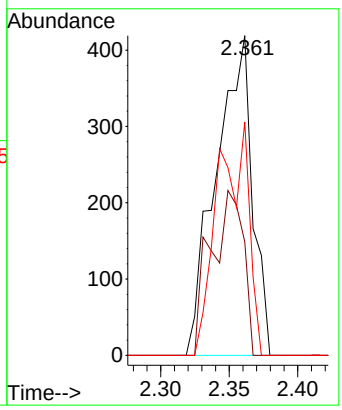


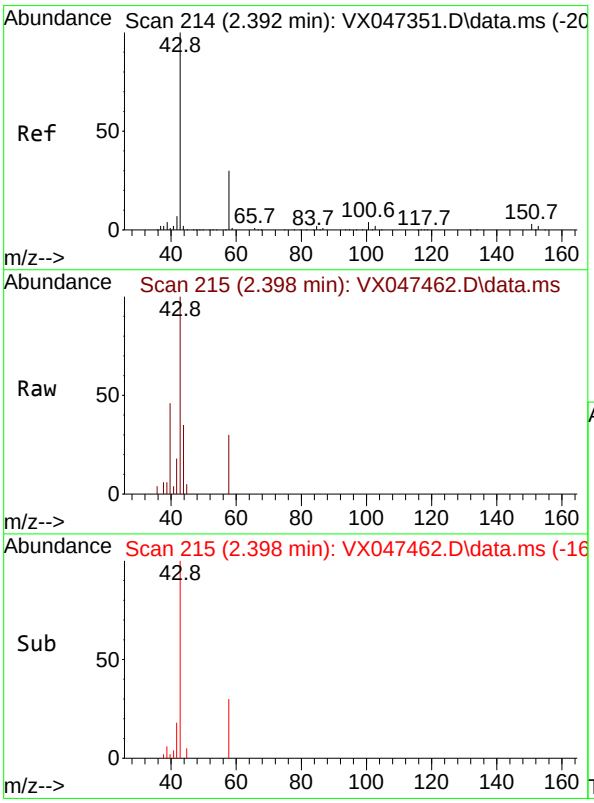
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.303 ug/l
RT: 2.361 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

Tgt Ion:101 Resp: 770

Ion	Ratio	Lower	Upper
101	100		
85	46.4	34.3	51.5
151	62.6	59.2	88.8

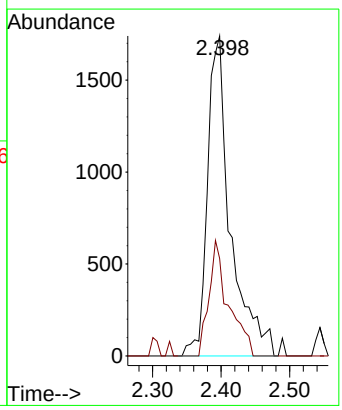


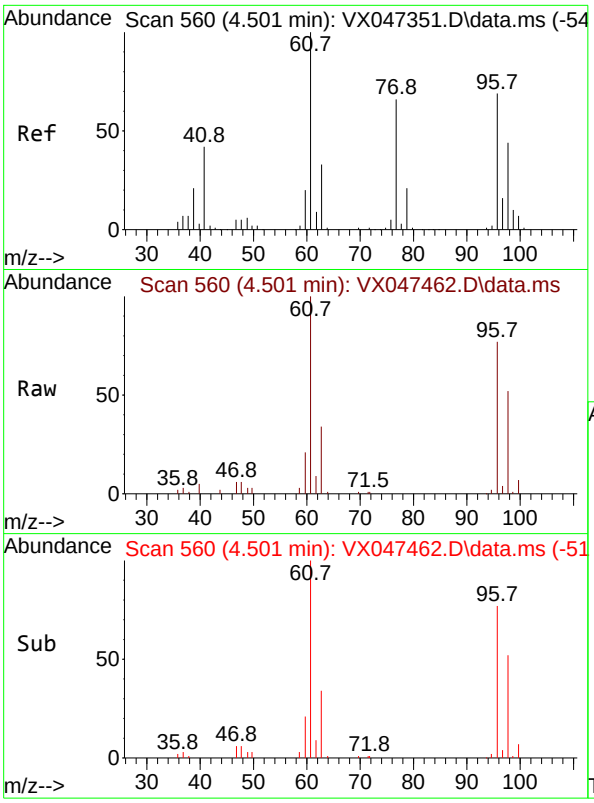


#16
Acetone
Concen: 3.730 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion: 43 Resp: 4044

Ion	Ratio	Lower	Upper
43	100		
58	42.4	24.8	37.2#



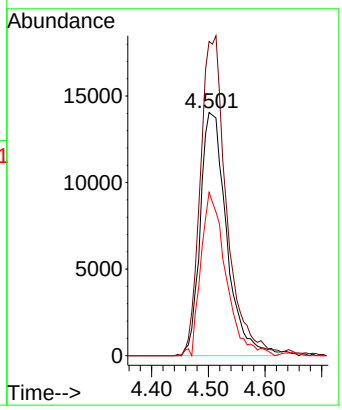


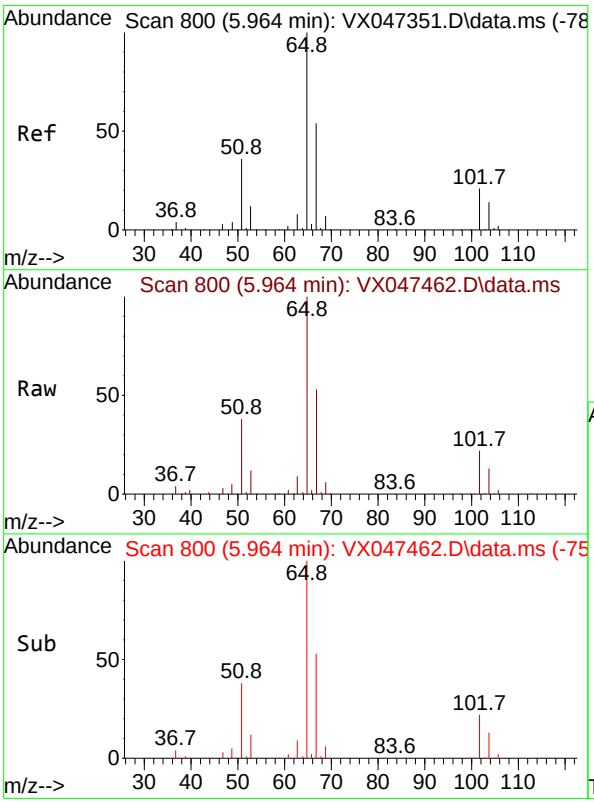
#27
cis-1,2-Dichloroethene
Concen: 14.162 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

Tgt Ion: 96 Resp: 45426

Ion	Ratio	Lower	Upper
96	100		
61	130.6	0.0	296.6
98	63.5	0.0	130.4

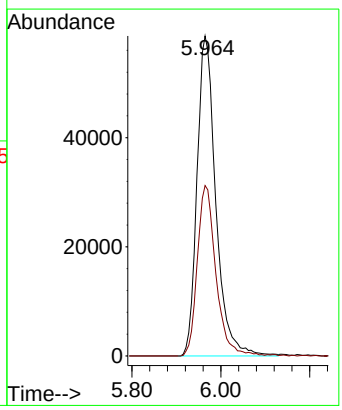


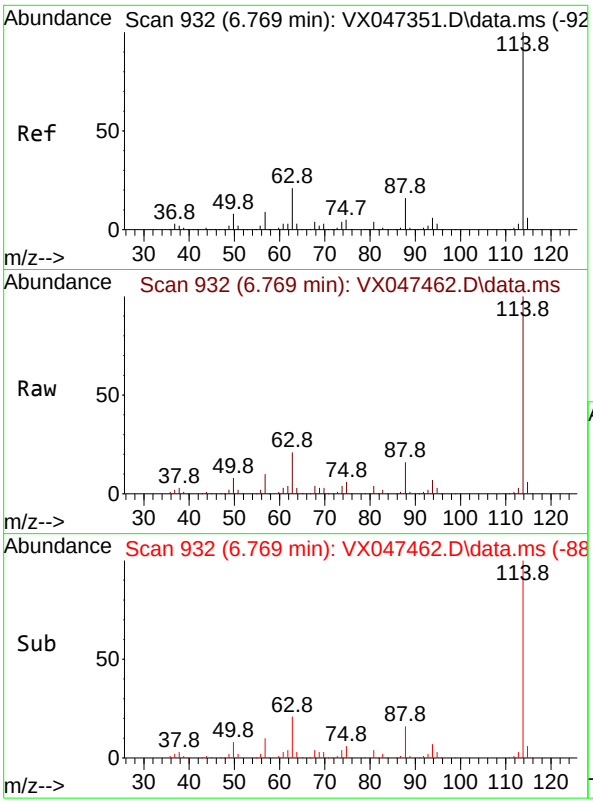


#33
1,2-Dichloroethane-d4
Concen: 59.815 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion: 65 Resp: 172517

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	106.0



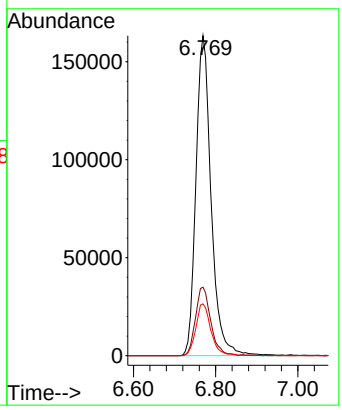


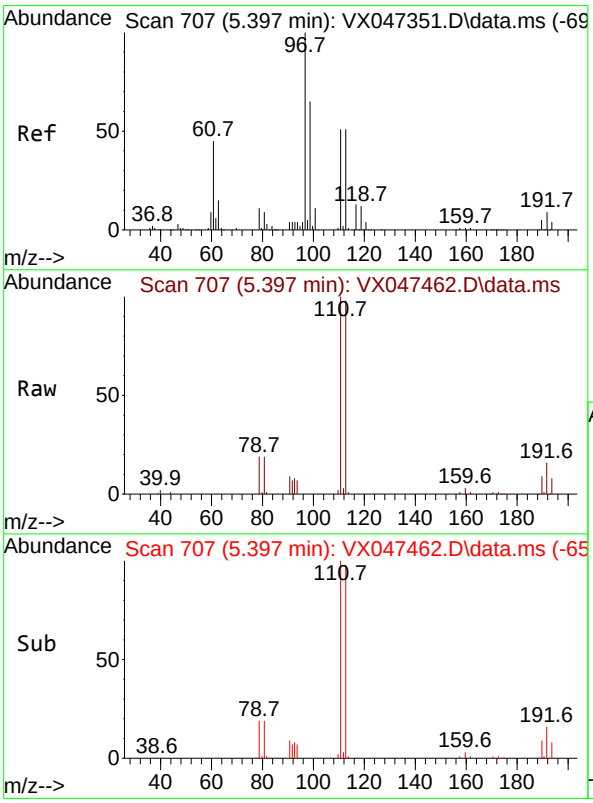
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

Tgt Ion:114 Resp: 418758

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	42.4
88	16.2	0.0	33.0

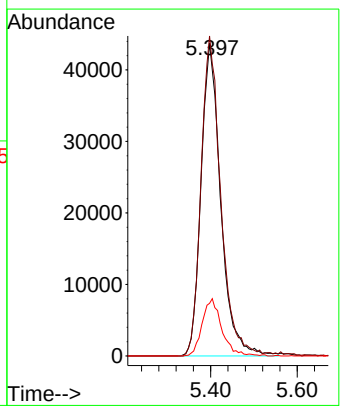


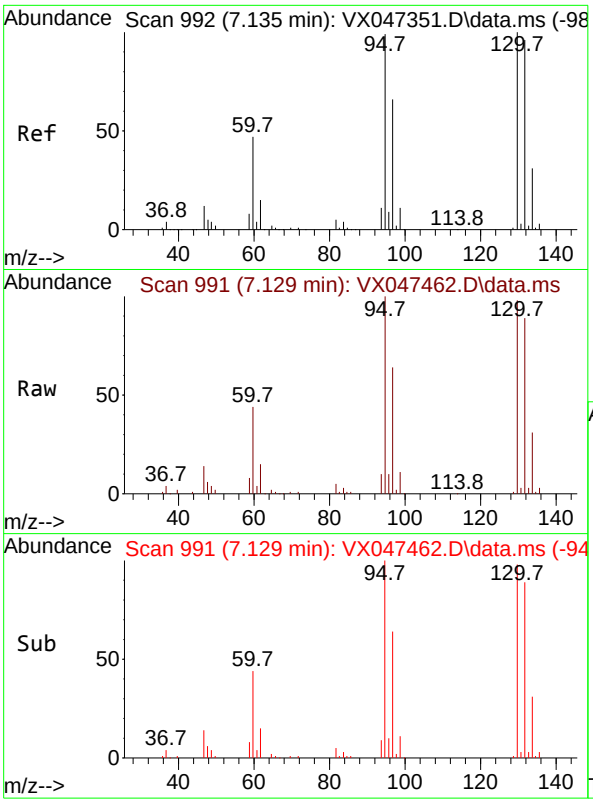


#35
Dibromofluoromethane
Concen: 50.705 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion:113 Resp: 137805

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.2
192	18.0	14.1	21.1



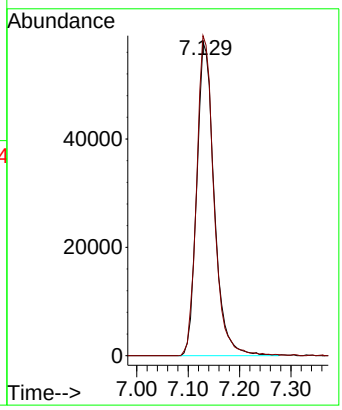


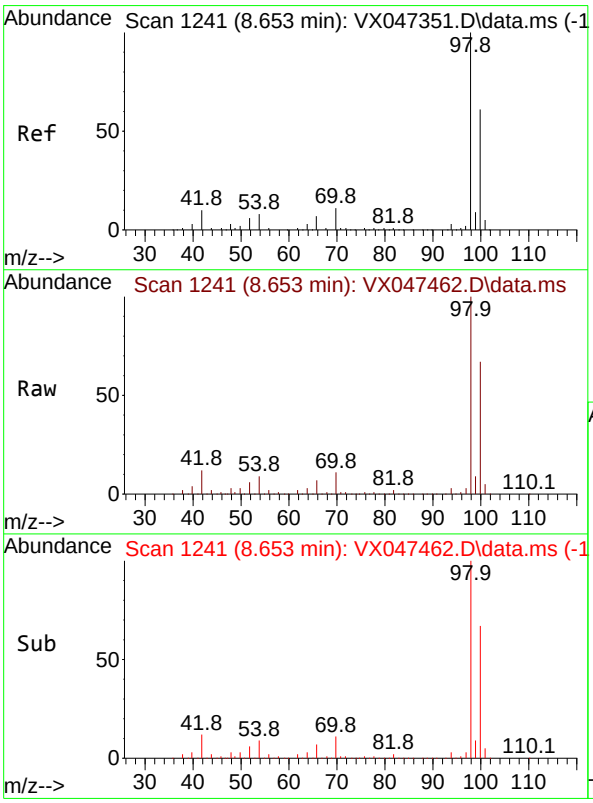
#44
Trichloroethene
Concen: 41.520 ug/l
RT: 7.129 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

Tgt Ion:130 Resp: 136522

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	198.6

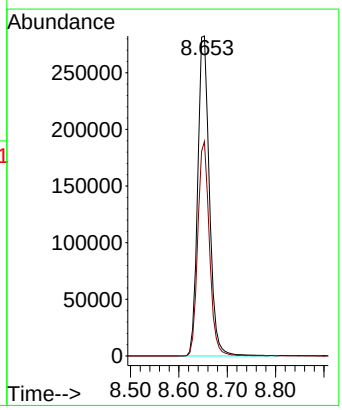


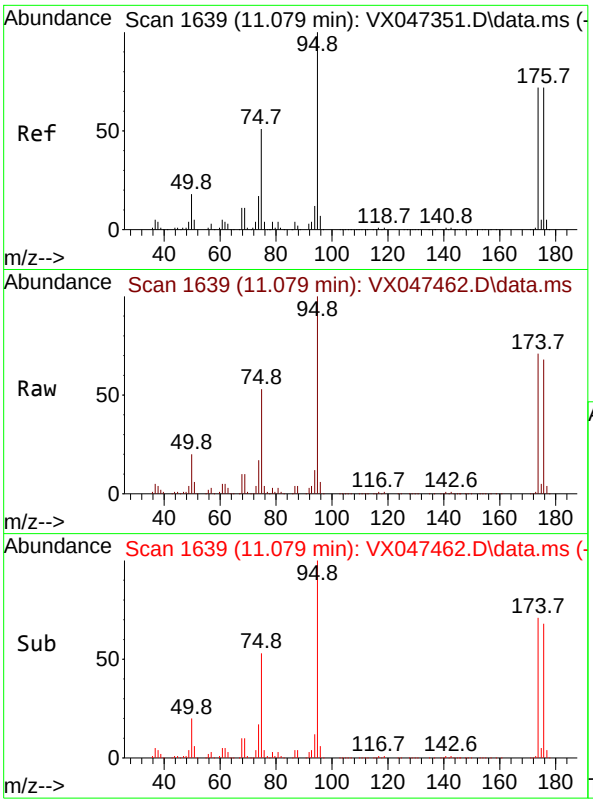


#50
Toluene-d8
Concen: 48.751 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion: 98 Resp: 473569

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.9	80.9



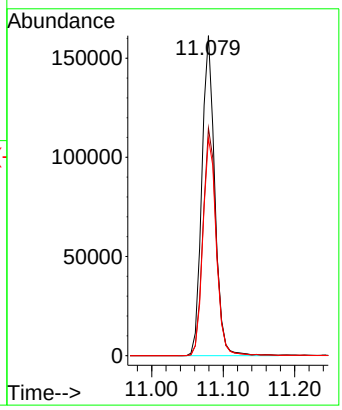


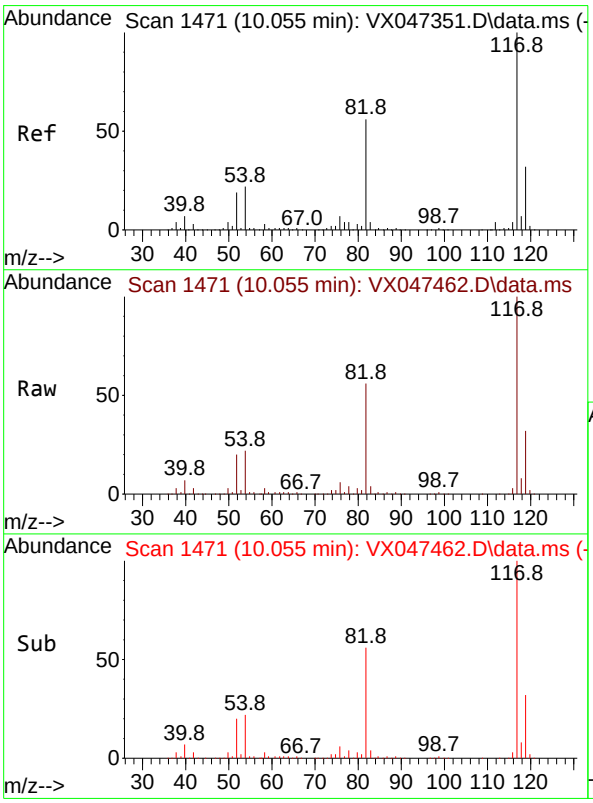
#62
4-Bromofluorobenzene
Concen: 56.522 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

Tgt Ion: 95 Resp: 202612

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	148.0
176	70.5	0.0	145.4

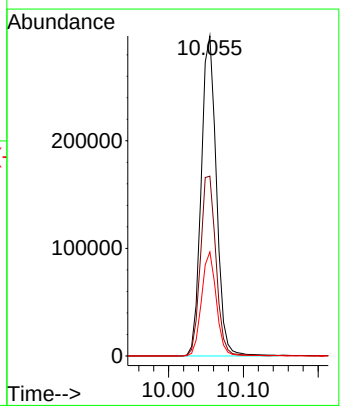




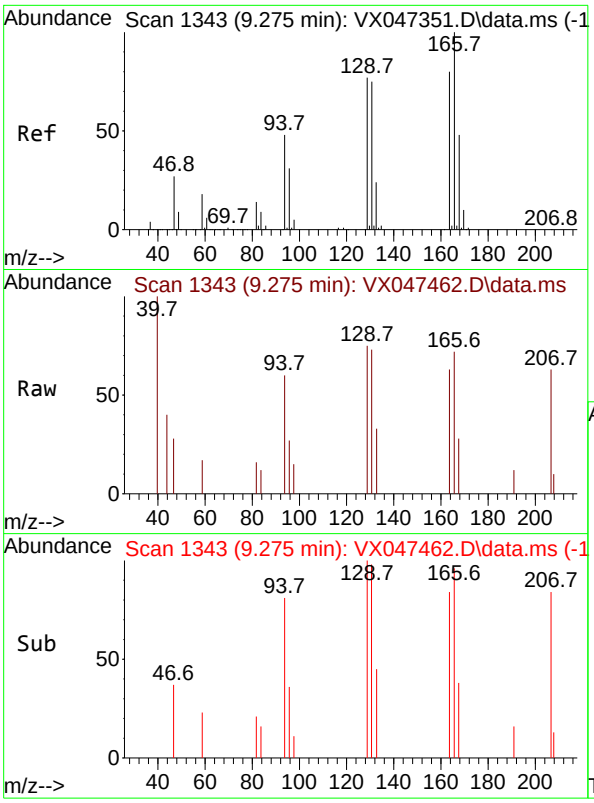
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion:117 Resp: 421107

Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.0	67.4
119	32.5	25.8	38.8



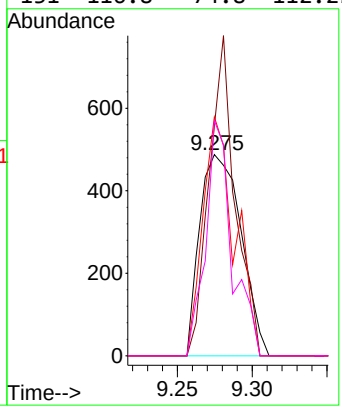
Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

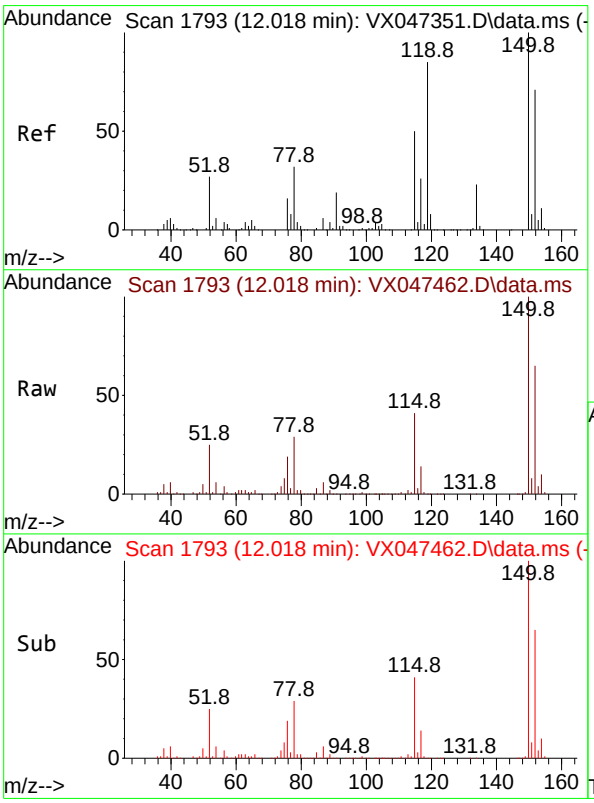


#64
Tetrachloroethene
Concen: 0.308 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion:164 Resp: 938

Ion	Ratio	Lower	Upper
164	100		
166	113.9	100.3	150.5
129	118.6	77.7	116.5#
131	116.8	74.8	112.2#

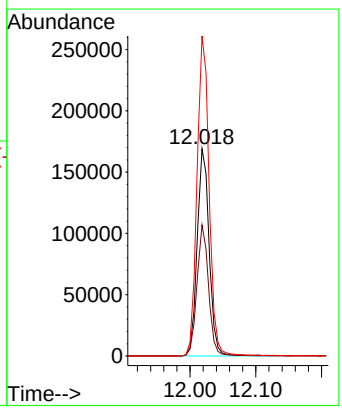


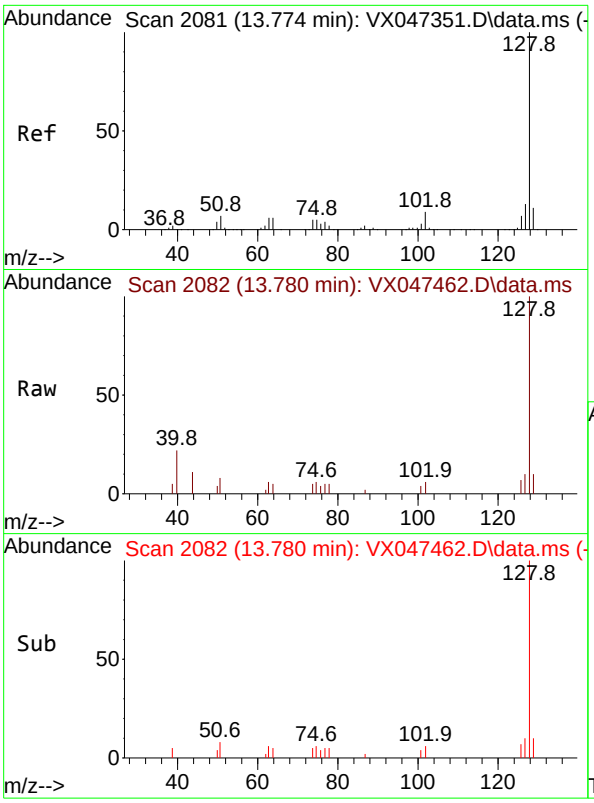


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Tgt Ion:152 Resp: 214194

Ion	Ratio	Lower	Upper
152	100		
115	61.5	44.6	133.8
150	156.5	0.0	349.8



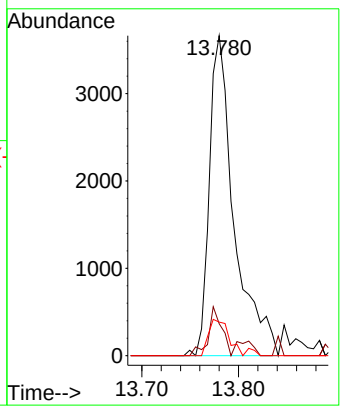


#95
Naphthalene
Concen: 0.458 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047462.D
Acq: 21 Aug 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
MW-01-6.5-081325

Tgt Ion:128 Resp: 6519

Ion	Ratio	Lower	Upper
128	100		
127	8.3	10.1	15.1#
129	10.0	8.7	13.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047460.D
Acq On : 21 Aug 2025 11:39
Operator : JC/MD
Sample : Q2869-04 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325

Quant Time: Aug 22 03:42:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

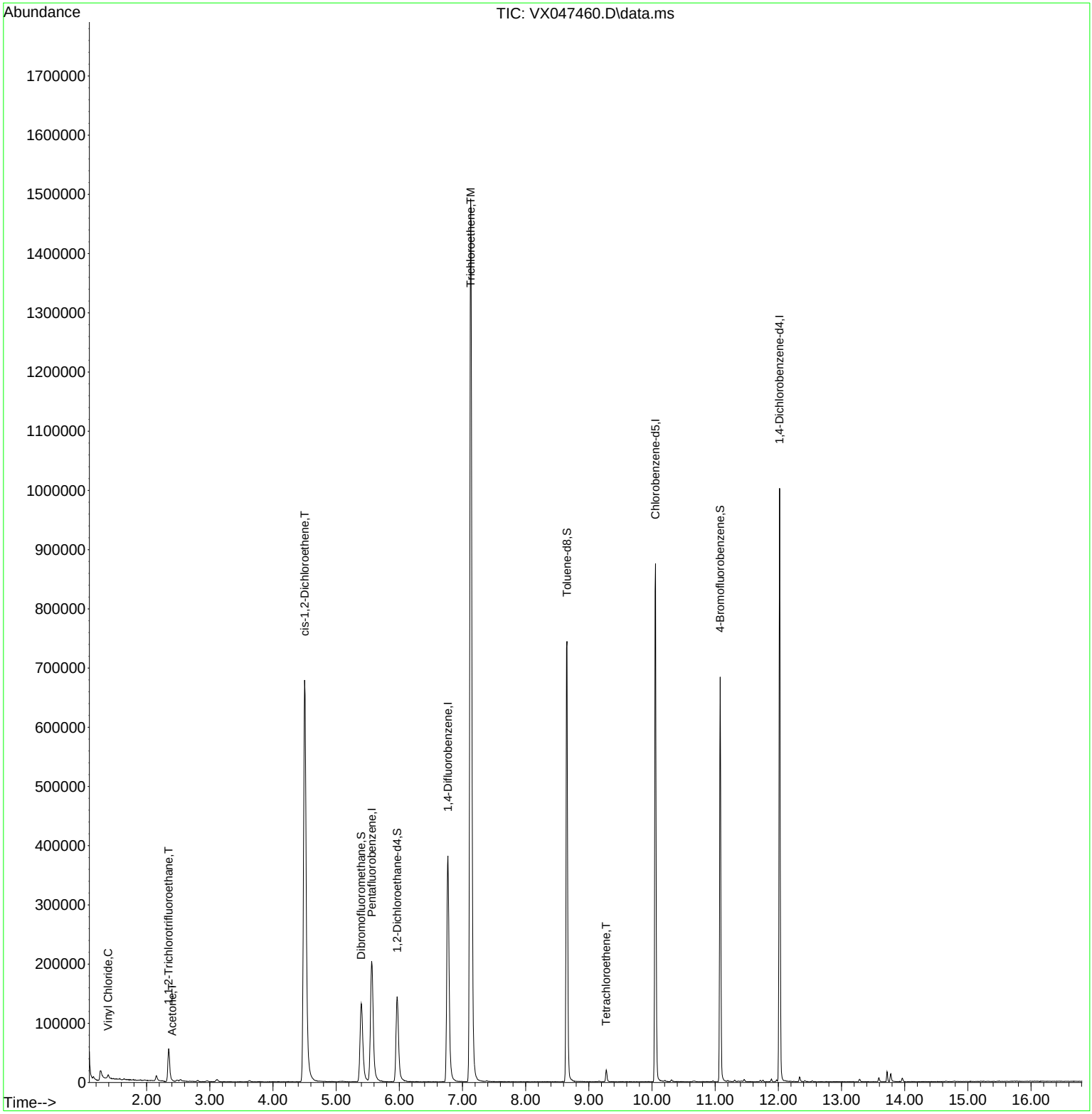
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	209250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	413436	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	399927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	194035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152914	52.215	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.440%			
35) Dibromofluoromethane	5.397	113	128659	47.949	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.900%			
50) Toluene-d8	8.653	98	461732	48.144	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.280%			
62) 4-Bromofluorobenzene	11.079	95	188755	53.334	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.660%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	3369	1.119	ug/l #	66
9) 1,1,2-Trichlorotrifluo...	2.349	101	23528	9.104	ug/l	98
16) Acetone	2.404	43	2290	2.080	ug/l #	86
27) cis-1,2-Dichloroethene	4.501	96	476083	146.176	ug/l	90
44) Trichloroethene	7.129	130	609435	187.731	ug/l	100
64) Tetrachloroethene	9.275	164	4063	1.405	ug/l #	84

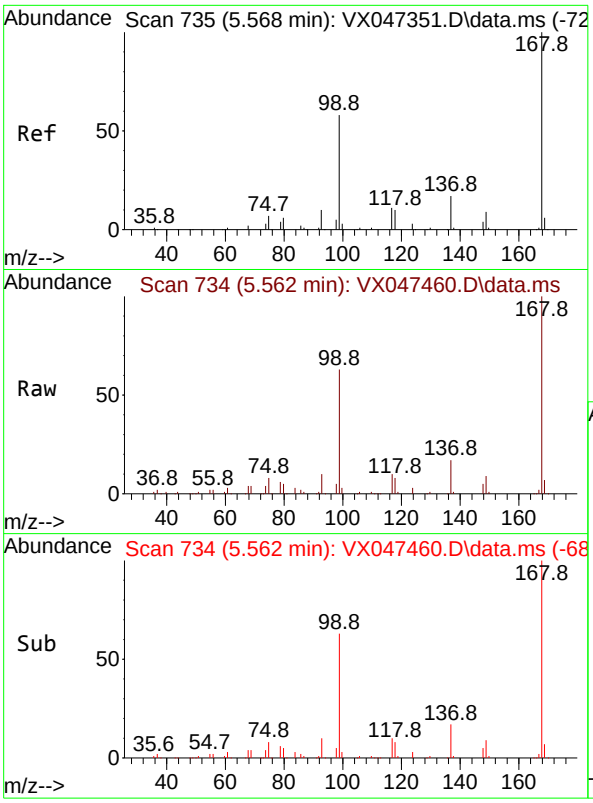
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047460.D
Acq On : 21 Aug 2025 11:39
Operator : JC/MD
Sample : Q2869-04 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325

Quant Time: Aug 22 03:42:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



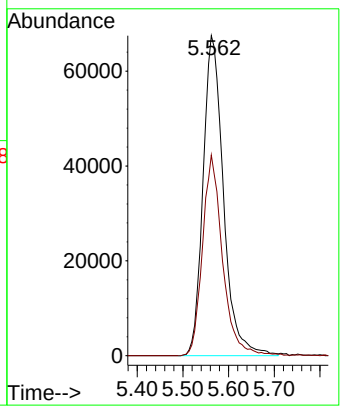


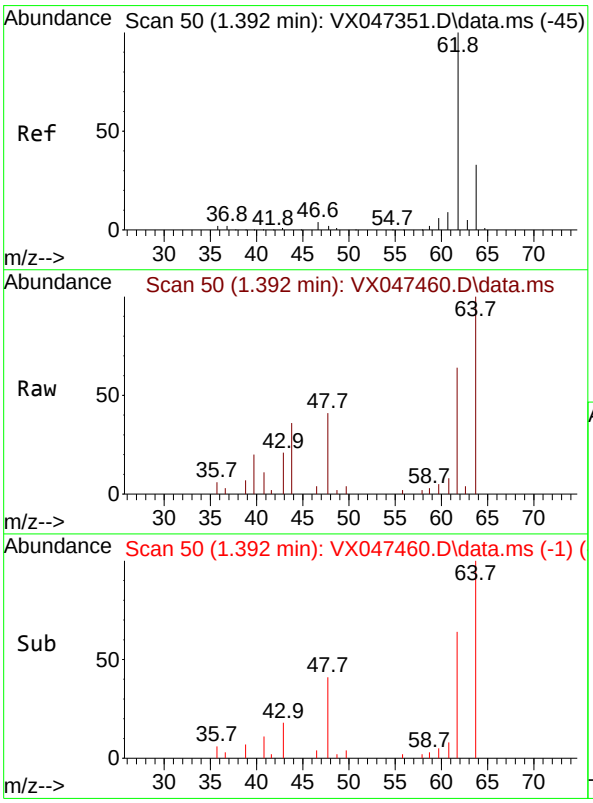
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion:168 Resp: 209250

Ion	Ratio	Lower	Upper
168	100		
99	62.7	47.9	71.9

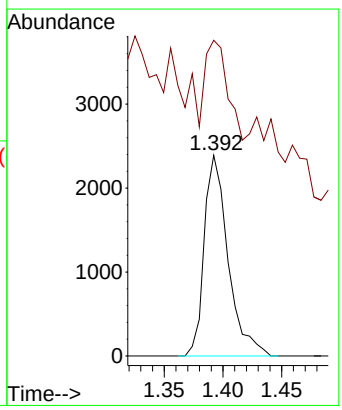


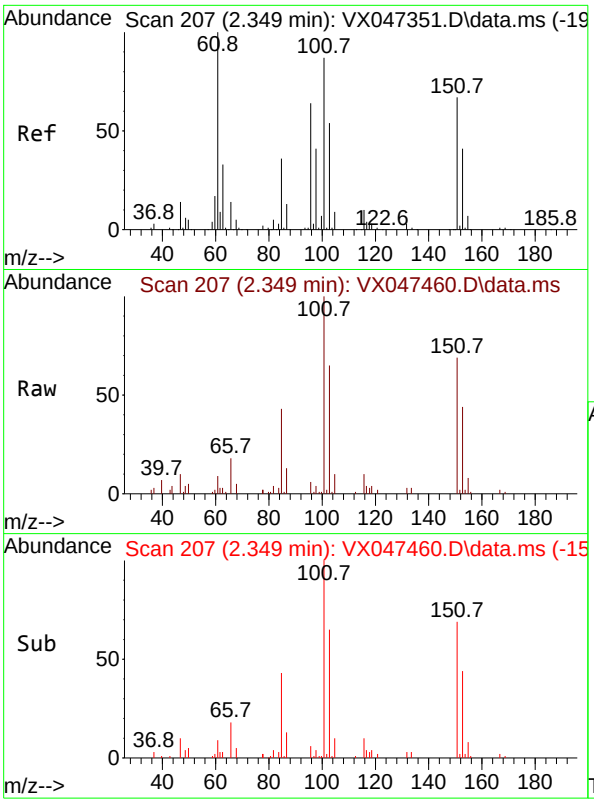


#4
Vinyl Chloride
Concen: 1.119 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Tgt Ion: 62 Resp: 3369

Ion	Ratio	Lower	Upper
62	100		
64	52.3	26.5	39.7#



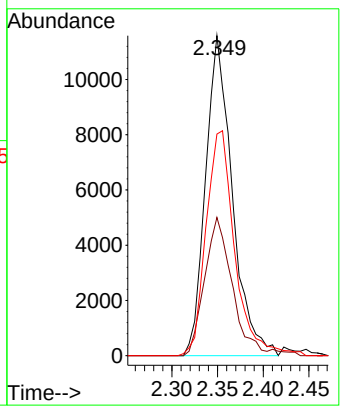


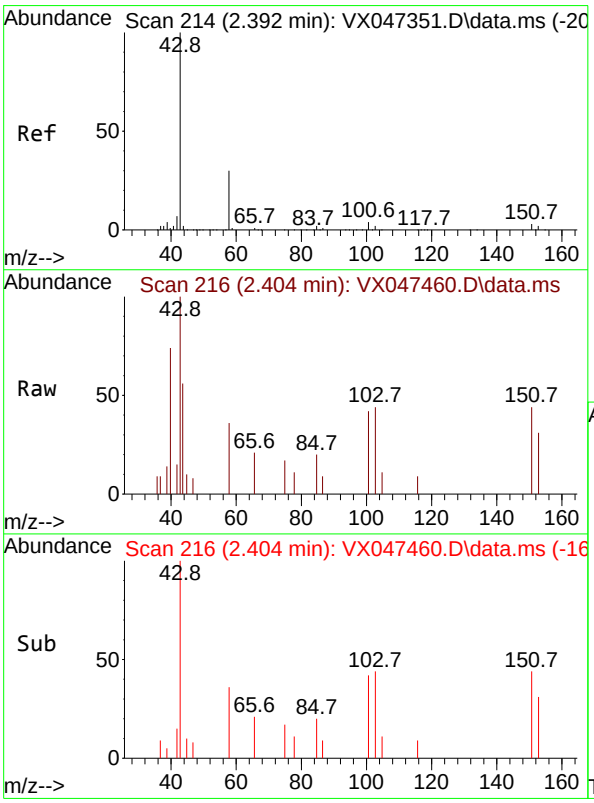
#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.104 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion:101 Resp: 23528

Ion	Ratio	Lower	Upper
101	100		
85	44.3	34.3	51.5
151	75.6	59.2	88.8

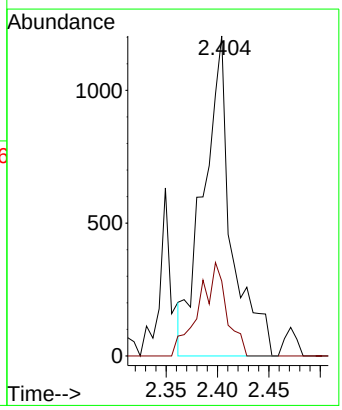


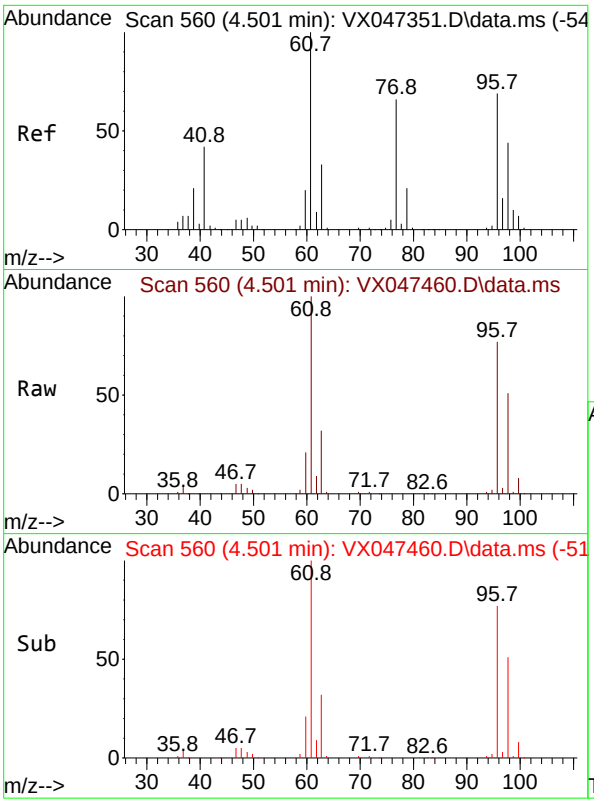


#16
Acetone
Concen: 2.080 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.012 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Tgt Ion: 43 Resp: 2290

Ion	Ratio	Lower	Upper
43	100		
58	23.4	24.8	37.2#



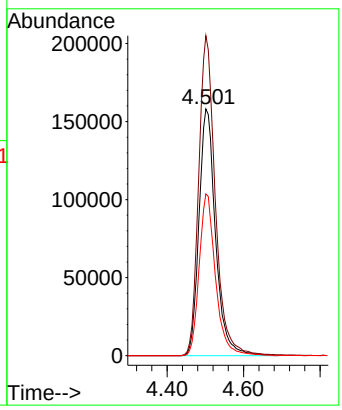


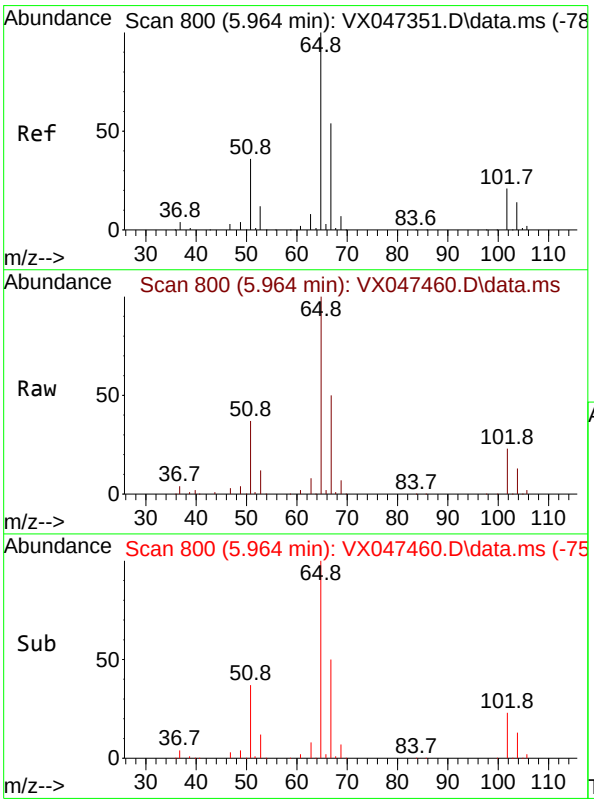
#27
cis-1,2-Dichloroethene
Concen: 146.176 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion: 96 Resp: 476083

Ion	Ratio	Lower	Upper
96	100		
61	130.2	0.0	296.6
98	64.6	0.0	130.4

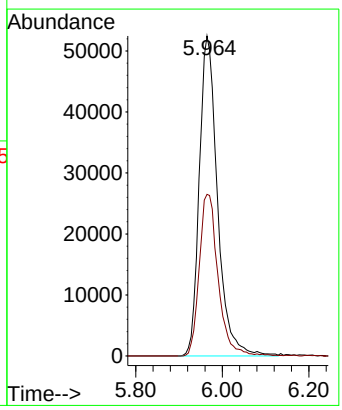




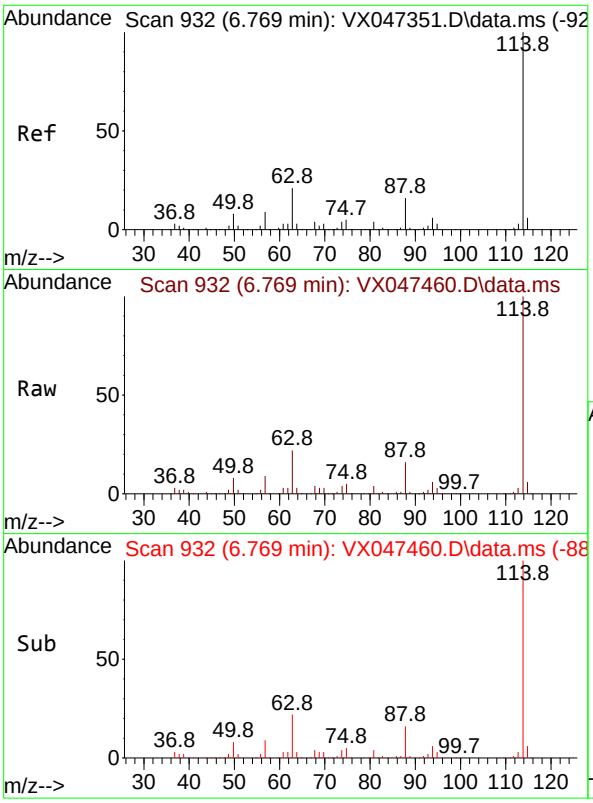
#33
1,2-Dichloroethane-d4
Concen: 52.215 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Tgt Ion: 65 Resp: 152914

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	106.0



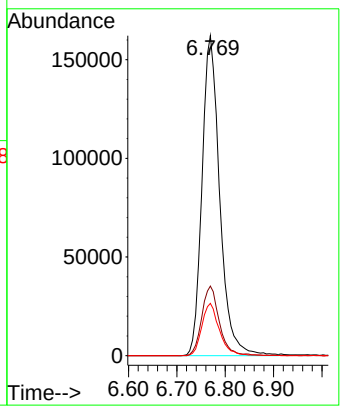
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325

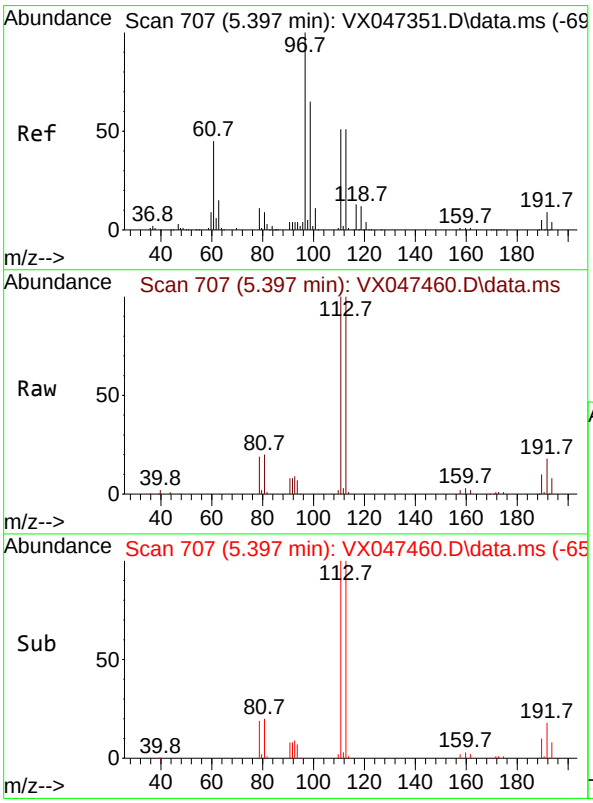


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Tgt Ion:114 Resp: 413436

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	42.4
88	16.4	0.0	33.0

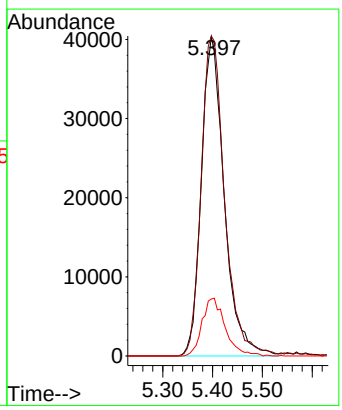


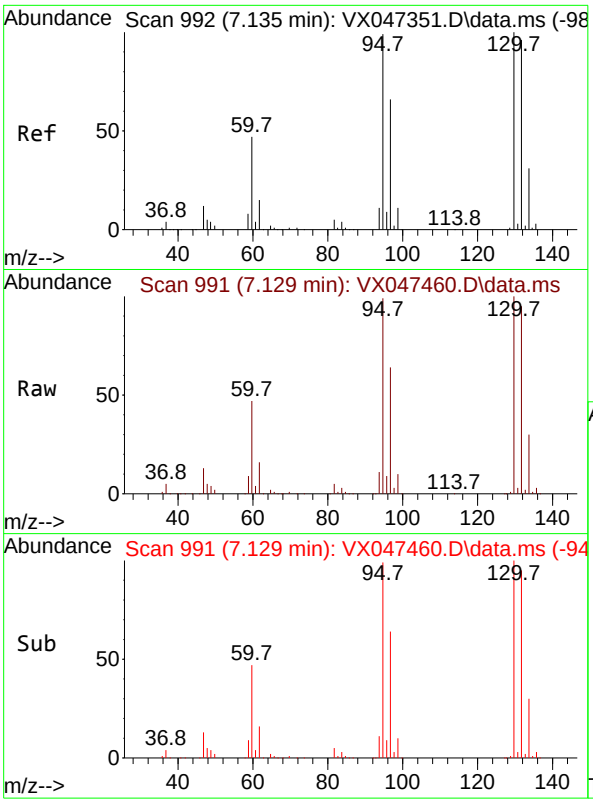


#35
Dibromofluoromethane
Concen: 47.949 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Tgt Ion:113 Resp: 128659

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	18.3	14.1	21.1



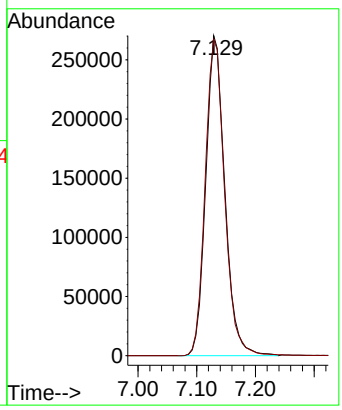


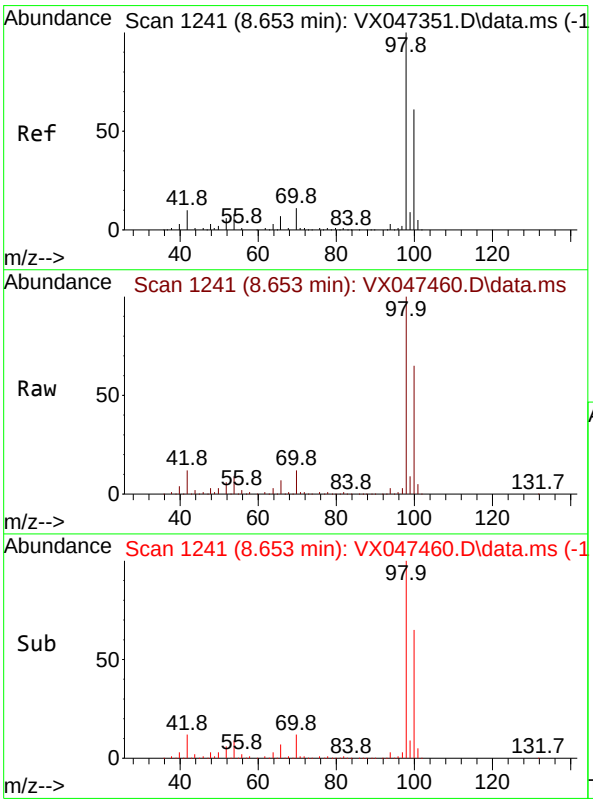
#44
Trichloroethene
Concen: 187.731 ug/l
RT: 7.129 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion:130 Resp: 609435

Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	198.6

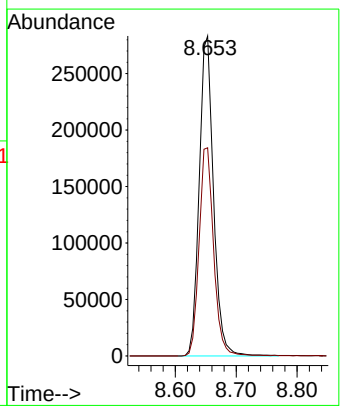


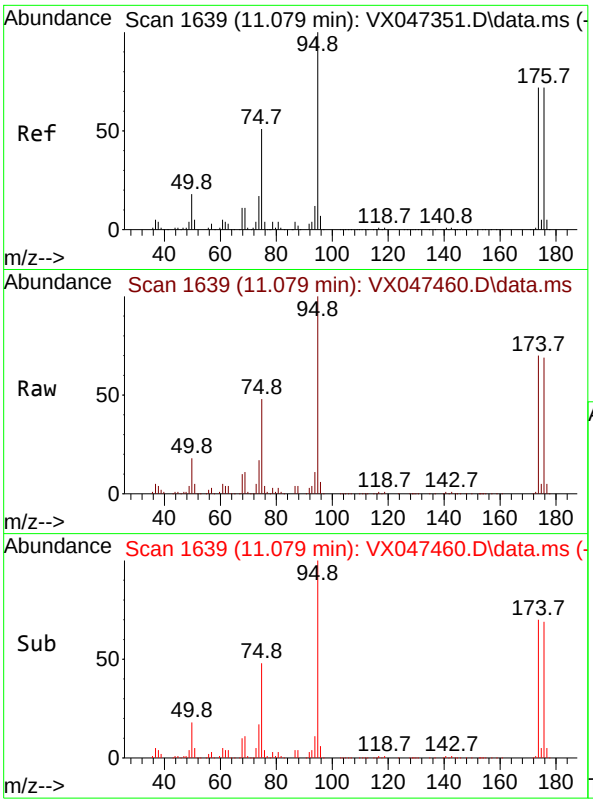


#50
Toluene-d8
Concen: 48.144 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Tgt Ion: 98 Resp: 461732

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.9	80.9



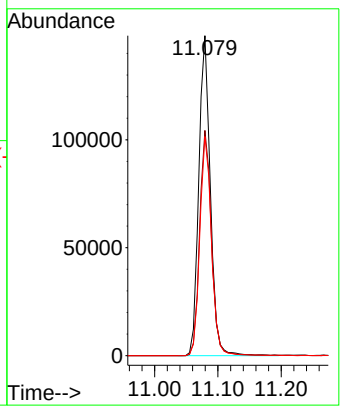


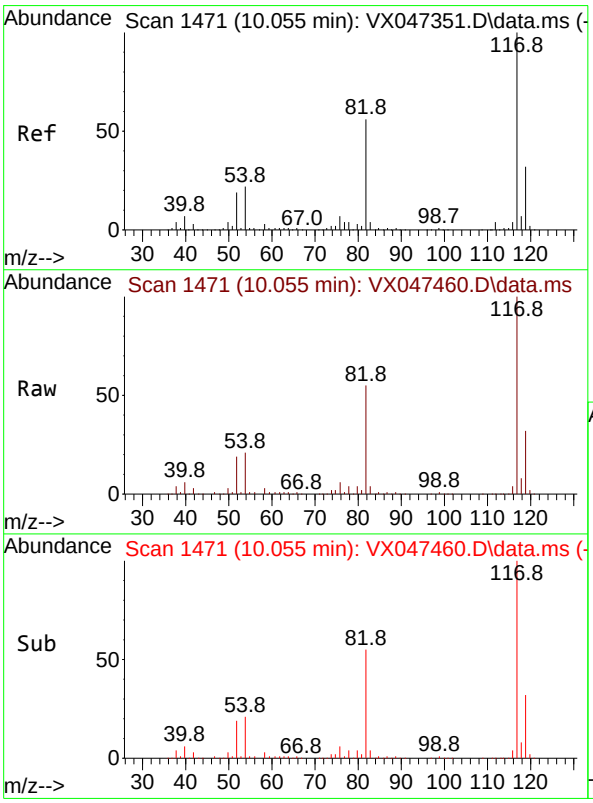
#62
4-Bromofluorobenzene
Concen: 53.334 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion: 95 Resp: 188755

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	148.0
176	69.1	0.0	145.4

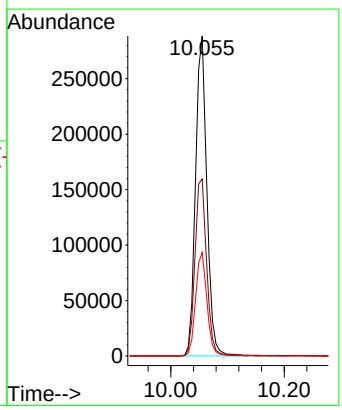




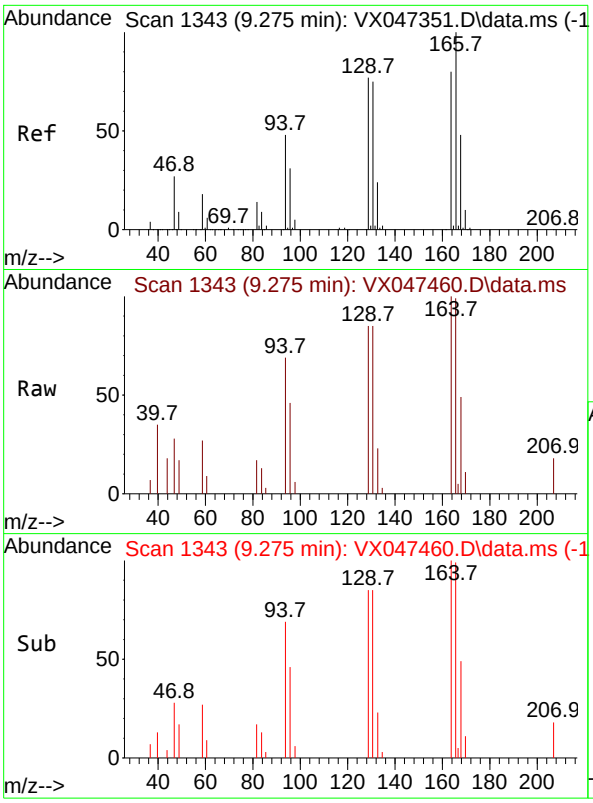
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Tgt Ion:117 Resp: 399927

Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.0	67.4
119	32.3	25.8	38.8



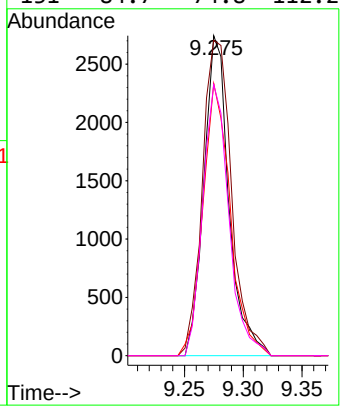
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325

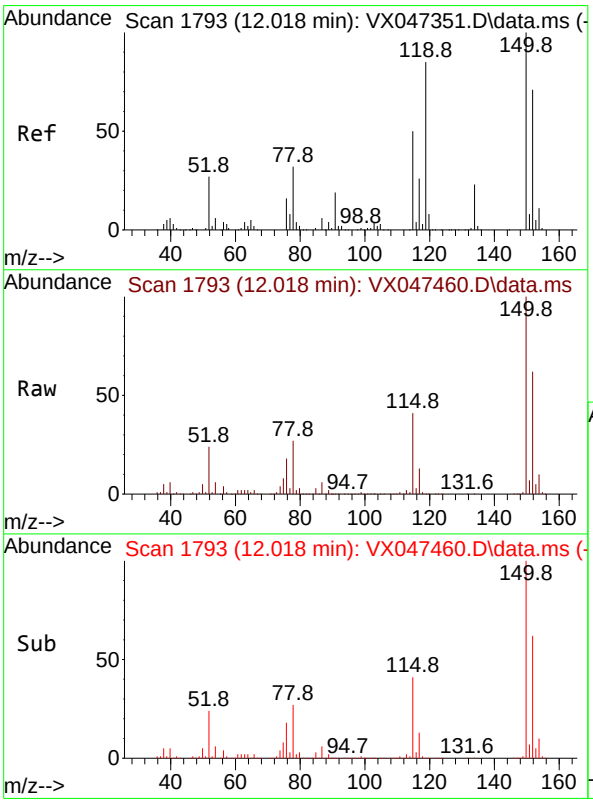


#64
Tetrachloroethene
Concen: 1.405 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Tgt Ion:164 Resp: 4063

Ion	Ratio	Lower	Upper
164	100		
166	98.5	100.3	150.5#
129	85.1	77.7	116.5
131	84.7	74.8	112.2

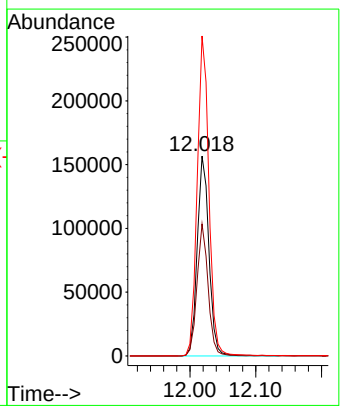




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047460.D
Acq: 21 Aug 2025 11:39

Tgt Ion:152 Resp: 194035

Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.6	133.8
150	159.8	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047468.D
Acq On : 21 Aug 2025 14:28
Operator : JC/MD
Sample : Q2869-04DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325DL

Quant Time: Aug 22 03:47:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

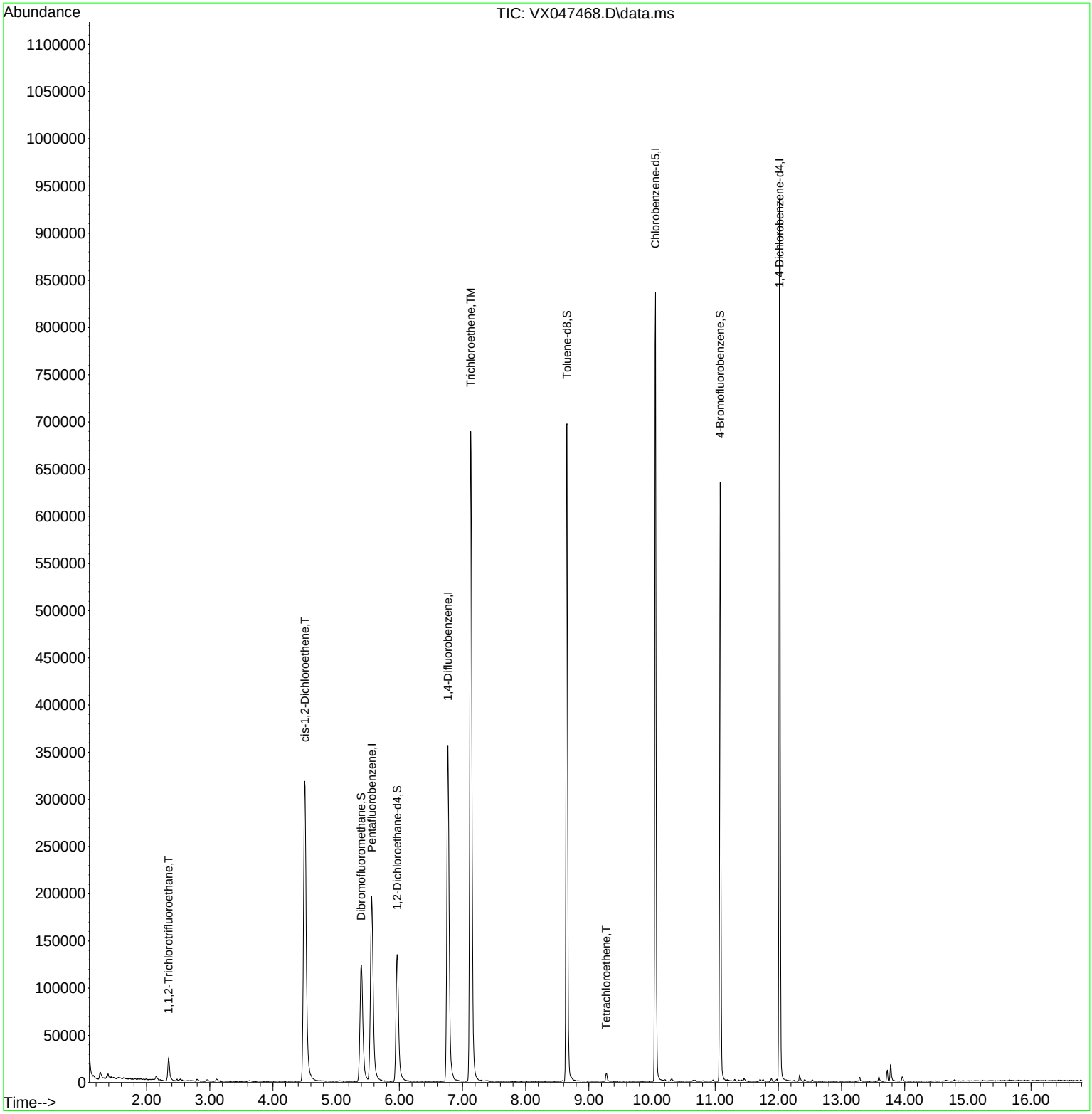
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	195089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	386665	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	376333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	185836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	145202	53.181	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.360%			
35) Dibromofluoromethane	5.397	113	121502	48.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.840%			
50) Toluene-d8	8.653	98	434529	48.445	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.880%			
62) 4-Bromofluorobenzene	11.079	95	175623	53.059	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.120%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.349	101	10607	4.402	ug/l	96
27) cis-1,2-Dichloroethene	4.507	96	227423	74.896	ug/l	89
44) Trichloroethene	7.129	130	286321	94.305	ug/l	99
64) Tetrachloroethene	9.275	164	1793	0.659	ug/l	95

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

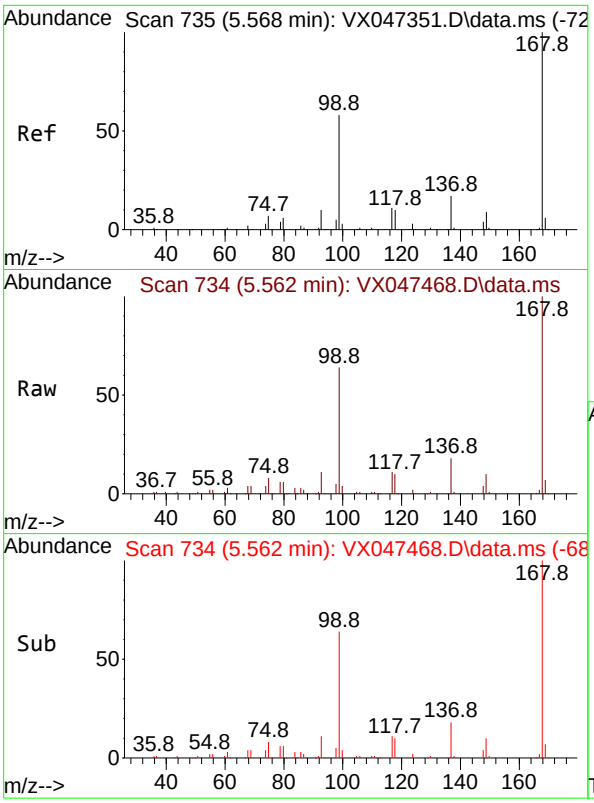
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047468.D
Acq On : 21 Aug 2025 14:28
Operator : JC/MD
Sample : Q2869-04DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325DL

Quant Time: Aug 22 03:47:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



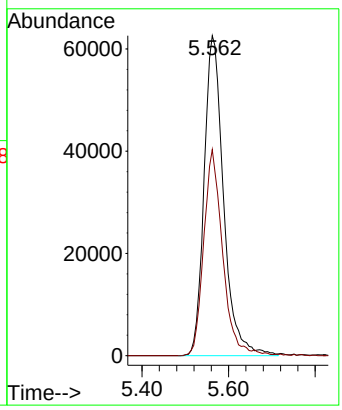
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325DL

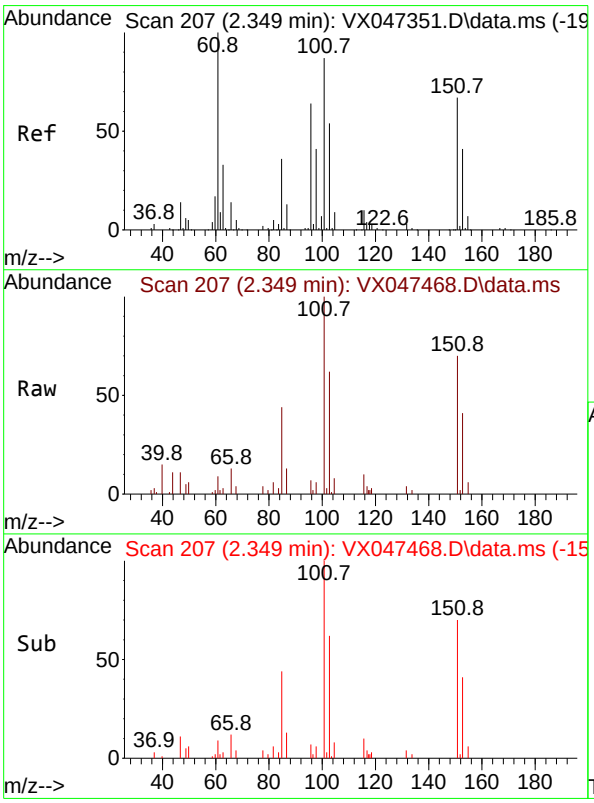


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047468.D
Acq: 21 Aug 2025 14:28

Tgt Ion:168 Resp: 195089

Ion	Ratio	Lower	Upper
168	100		
99	64.4	47.9	71.9

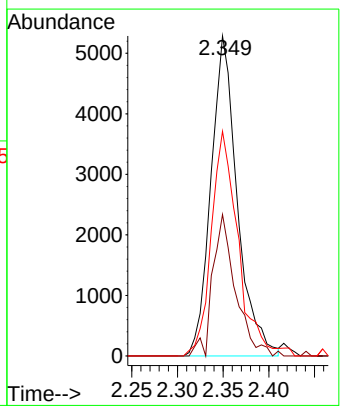




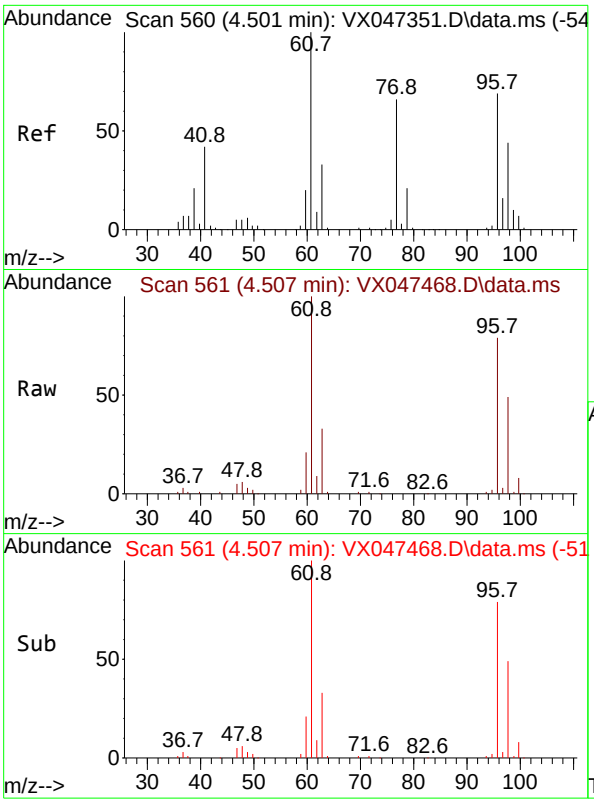
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.402 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX047468.D
Acq: 21 Aug 2025 14:28

Tgt Ion:101 Resp: 10607

Ion	Ratio	Lower	Upper
101	100		
85	38.5	34.3	51.5
151	71.8	59.2	88.8



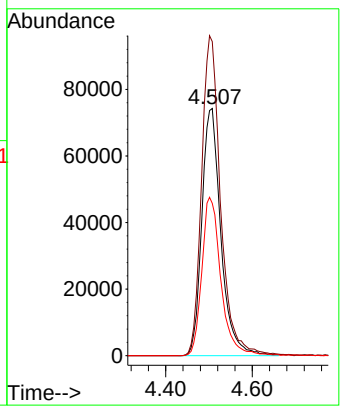
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325DL

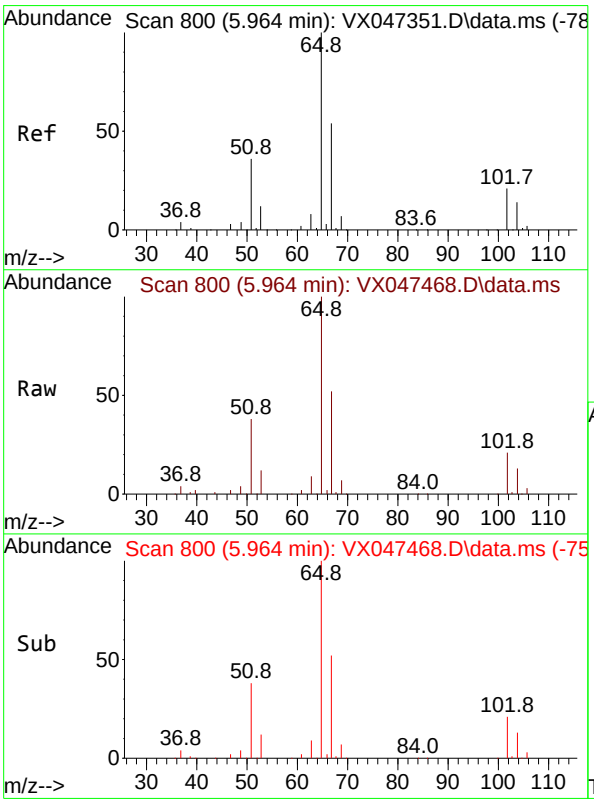


#27
cis-1,2-Dichloroethene
Concen: 74.896 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047468.D
Acq: 21 Aug 2025 14:28

Tgt Ion: 96 Resp: 227423

Ion	Ratio	Lower	Upper
96	100		
61	129.5	0.0	296.6
98	64.0	0.0	130.4

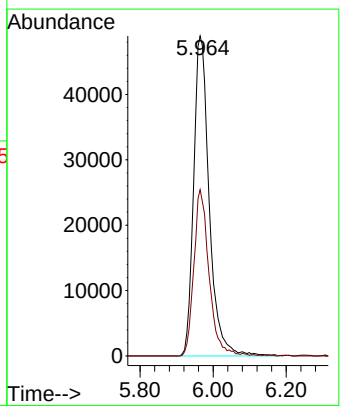


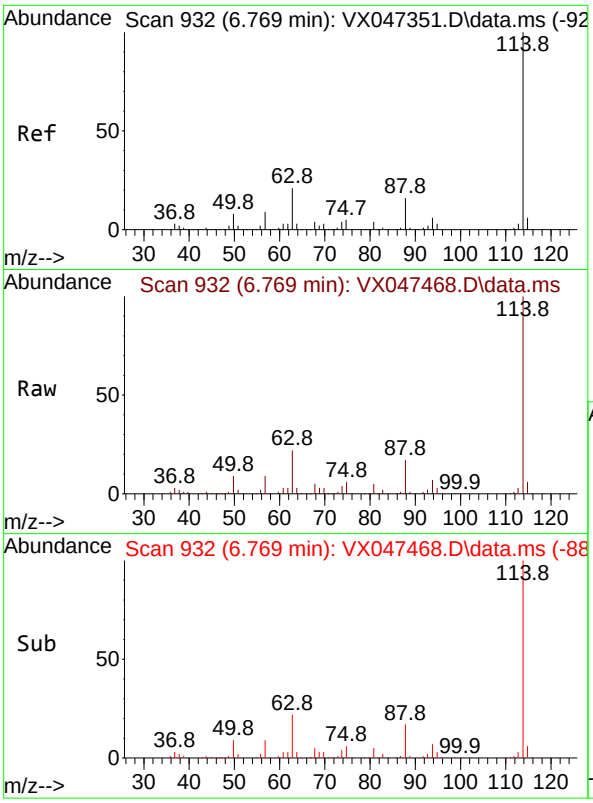


#33
1,2-Dichloroethane-d4
Concen: 53.181 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047468.D
Acq: 21 Aug 2025 14:28

Tgt Ion: 65 Resp: 145202

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	106.0



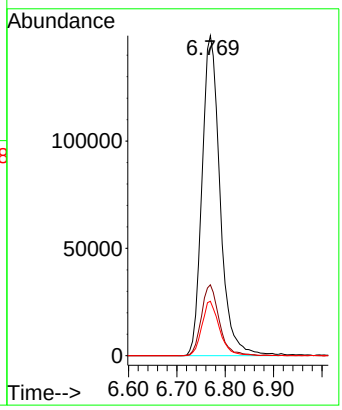


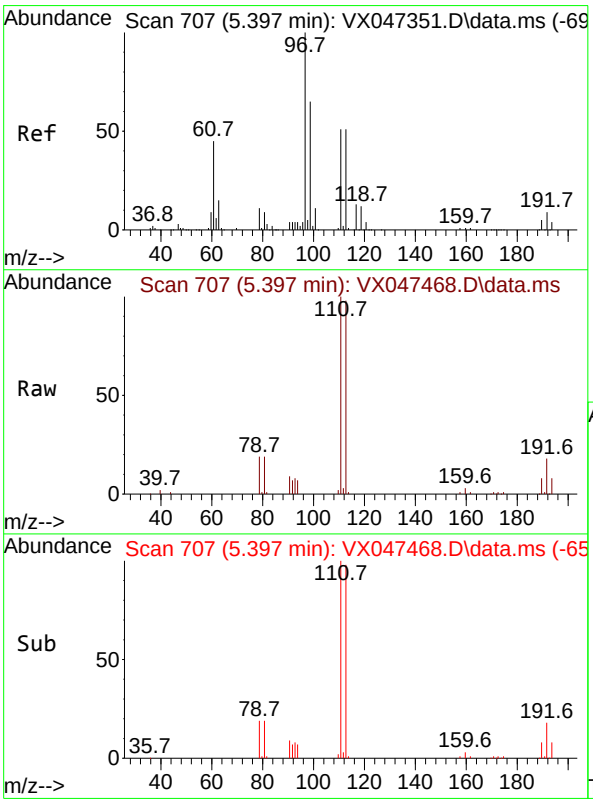
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047468.D
Acq: 21 Aug 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325DL

Tgt Ion:114 Resp: 386665

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.4
88	17.0	0.0	33.0

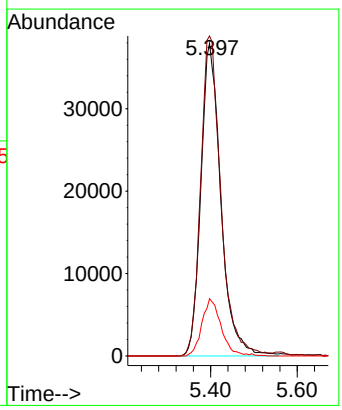


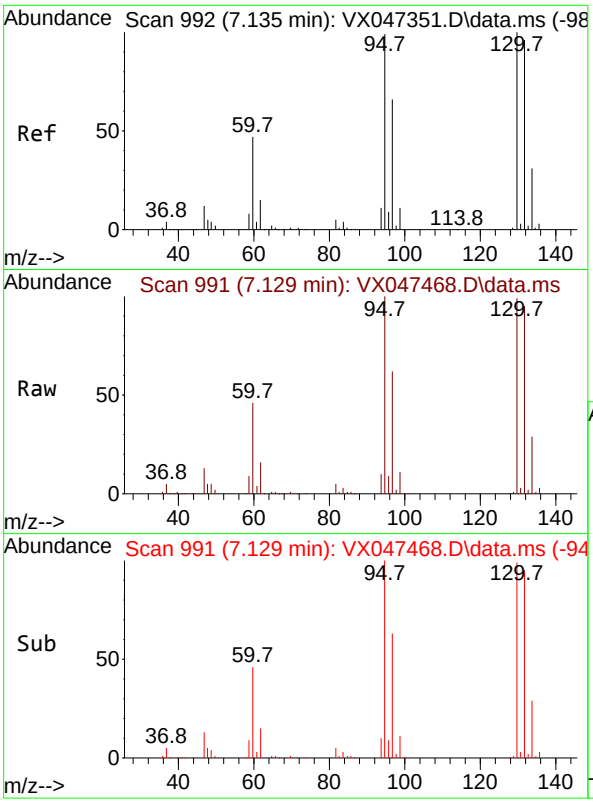


#35
Dibromofluoromethane
Concen: 48.417 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047468.D
Acq: 21 Aug 2025 14:28

Tgt Ion:113 Resp: 121502

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.4	122.2
192	17.8	14.1	21.1



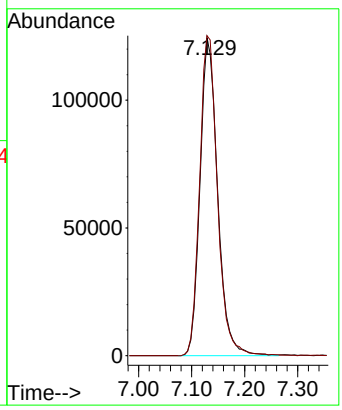


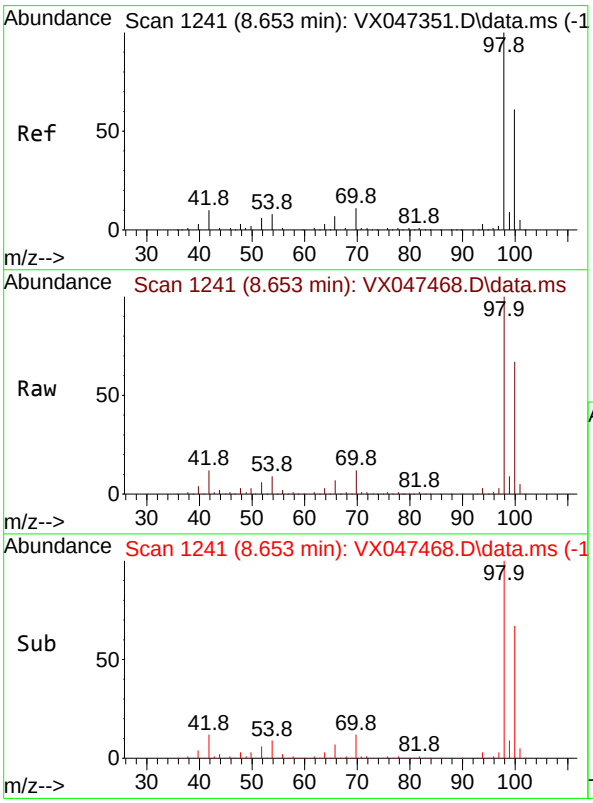
#44
Trichloroethene
Concen: 94.305 ug/l
RT: 7.129 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX047468.D
Acq: 21 Aug 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325DL

Tgt Ion:130 Resp: 286321

Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	198.6

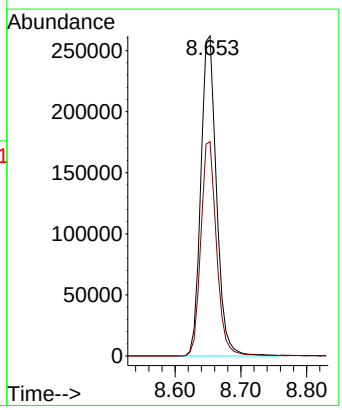


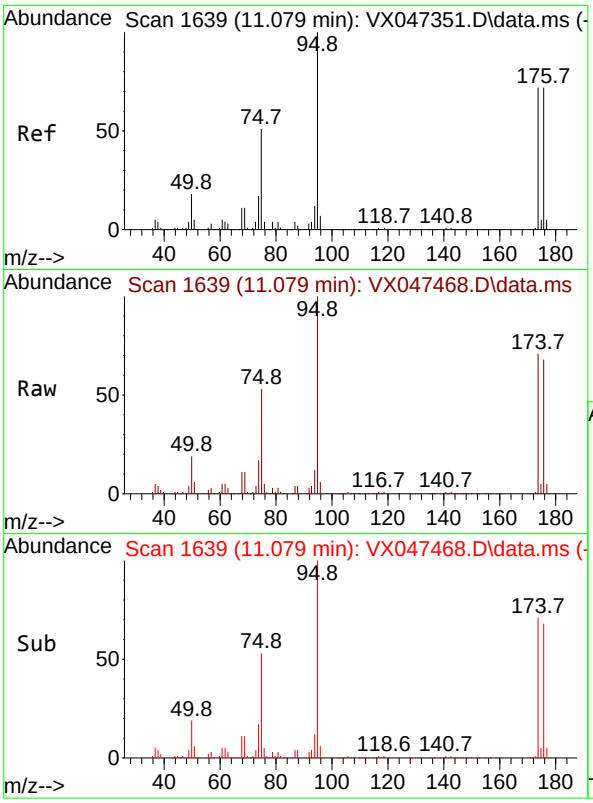


#50
Toluene-d8
Concen: 48.445 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047468.D
Acq: 21 Aug 2025 14:28

Tgt Ion: 98 Resp: 434529

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.9	80.9



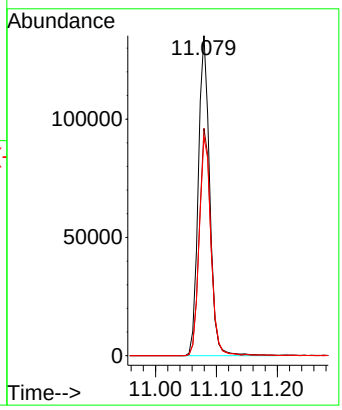


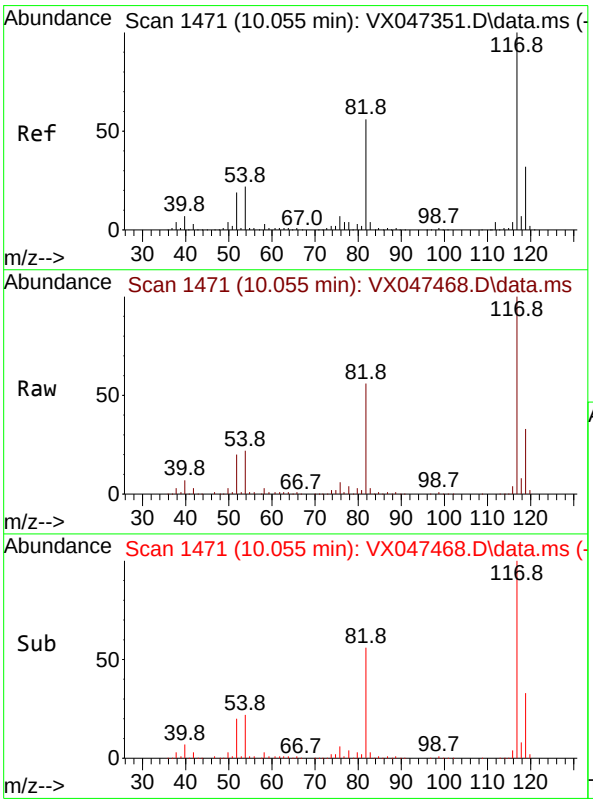
#62
4-Bromofluorobenzene
Concen: 53.059 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047468.D
Acq: 21 Aug 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325DL

Tgt Ion: 95 Resp: 175623

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	148.0
176	70.7	0.0	145.4

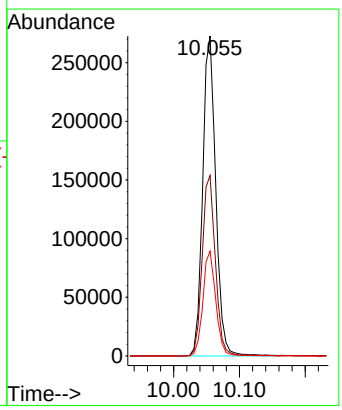


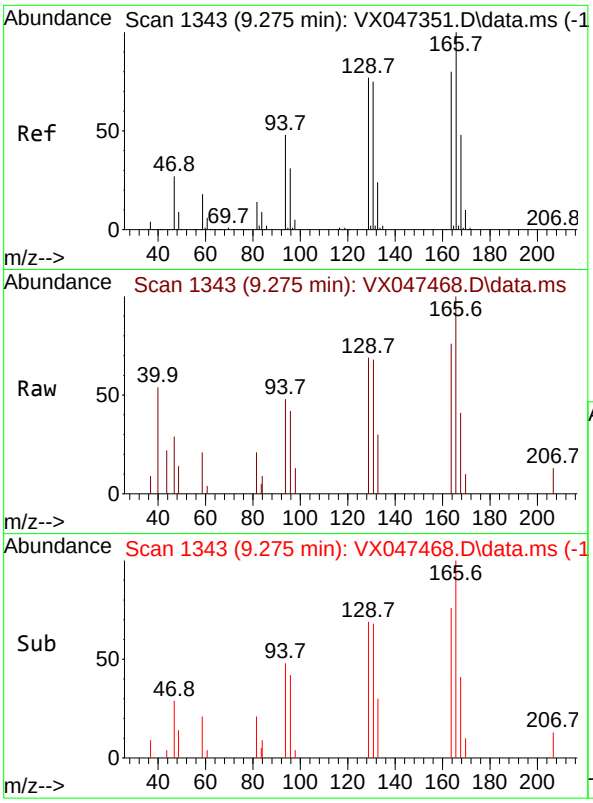


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047468.D
Acq: 21 Aug 2025 14:28

Tgt Ion:117 Resp: 376333

Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.0	67.4
119	32.7	25.8	38.8



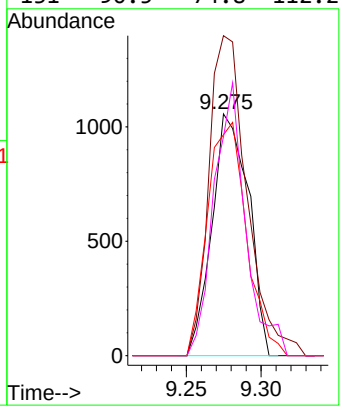


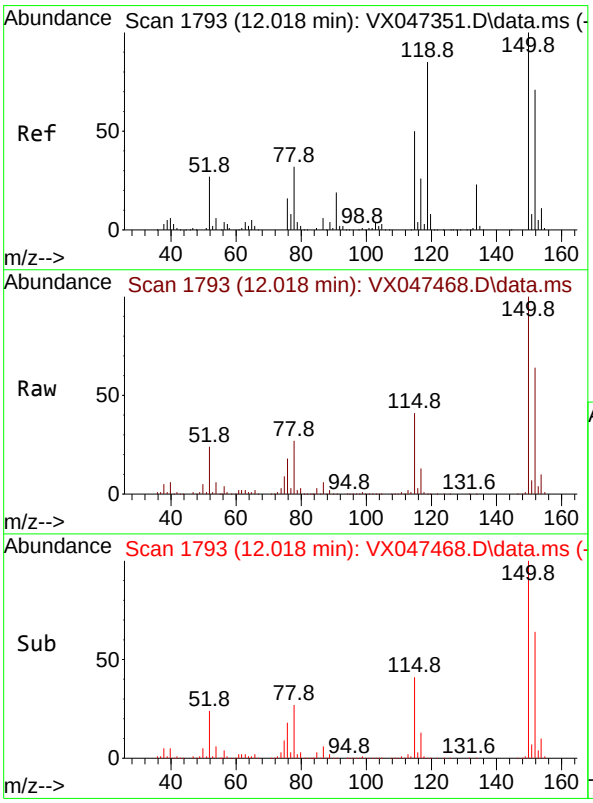
#64
Tetrachloroethene
Concen: 0.659 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047468.D
Acq: 21 Aug 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-081325DL

Tgt Ion:164 Resp: 1793

Ion	Ratio	Lower	Upper
164	100		
166	132.4	100.3	150.5
129	91.4	77.7	116.5
131	90.5	74.8	112.2

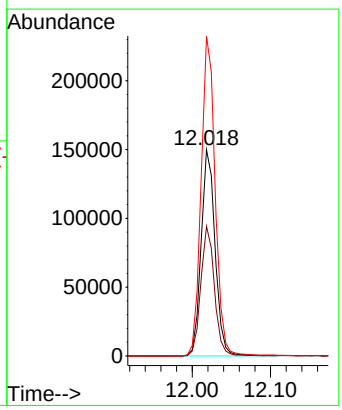




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047468.D
Acq: 21 Aug 2025 14:28

Tgt Ion:152 Resp: 185836

Ion	Ratio	Lower	Upper
152	100		
115	61.2	44.6	133.8
150	155.6	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047461.D
Acq On : 21 Aug 2025 12:00
Operator : JC/MD
Sample : Q2869-05 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

Quant Time: Aug 22 03:42:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

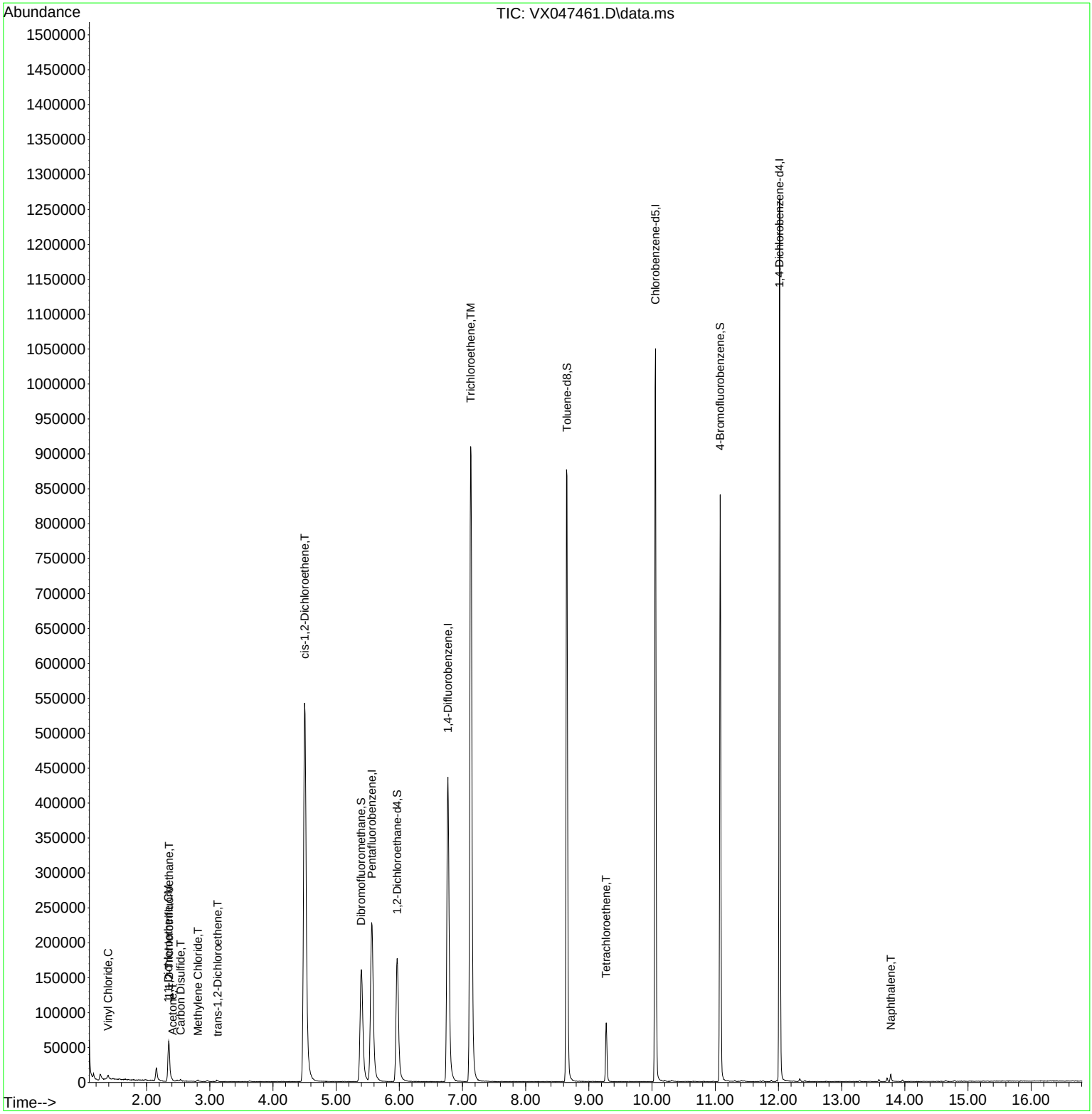
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	234783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	477817	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	477729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	247621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	186685	56.815	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.620%			
35) Dibromofluoromethane	5.397	113	153944	49.642	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.280%			
50) Toluene-d8	8.653	98	544241	49.101	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.200%			
62) 4-Bromofluorobenzene	11.079	95	227719	55.674	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.340%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	2490	0.737	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.355	101	25101	8.657	ug/l	99
12) 1,1-Dichloroethene	2.343	96	2040	0.690	ug/l #	84
16) Acetone	2.410	43	2583	2.091	ug/l	98
17) Carbon Disulfide	2.538	76	2354	0.264	ug/l #	75
20) Methylene Chloride	2.812	84	978	0.299	ug/l #	87
21) trans-1,2-Dichloroethene	3.123	96	846	0.270	ug/l #	42
27) cis-1,2-Dichloroethene	4.501	96	383526	104.951	ug/l	88
44) Trichloroethene	7.129	130	380783	101.492	ug/l	100
64) Tetrachloroethene	9.275	164	15750	4.558	ug/l	87
95) Naphthalene	13.780	128	7720	0.470	ug/l	98

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

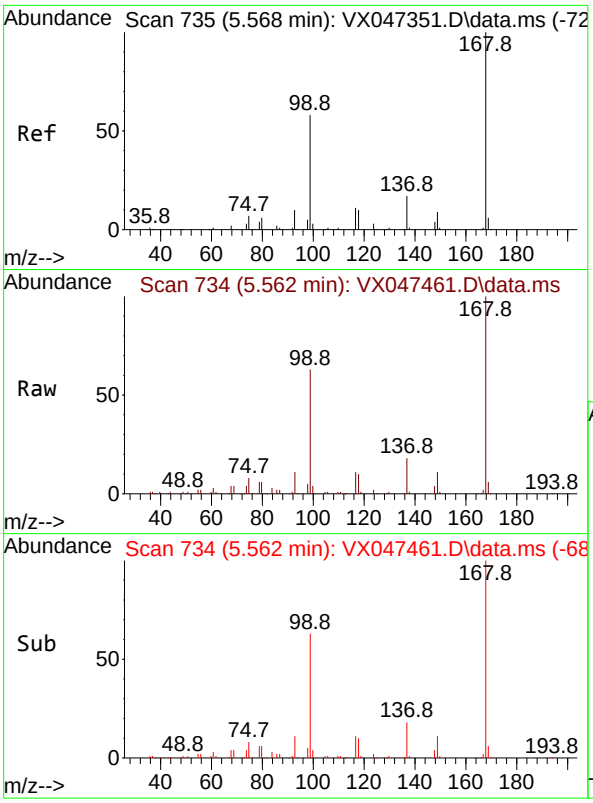
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047461.D
Acq On : 21 Aug 2025 12:00
Operator : JC/MD
Sample : Q2869-05 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

Quant Time: Aug 22 03:42:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



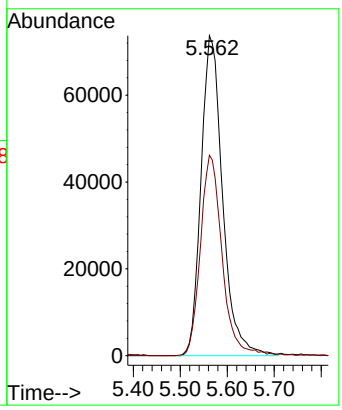
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

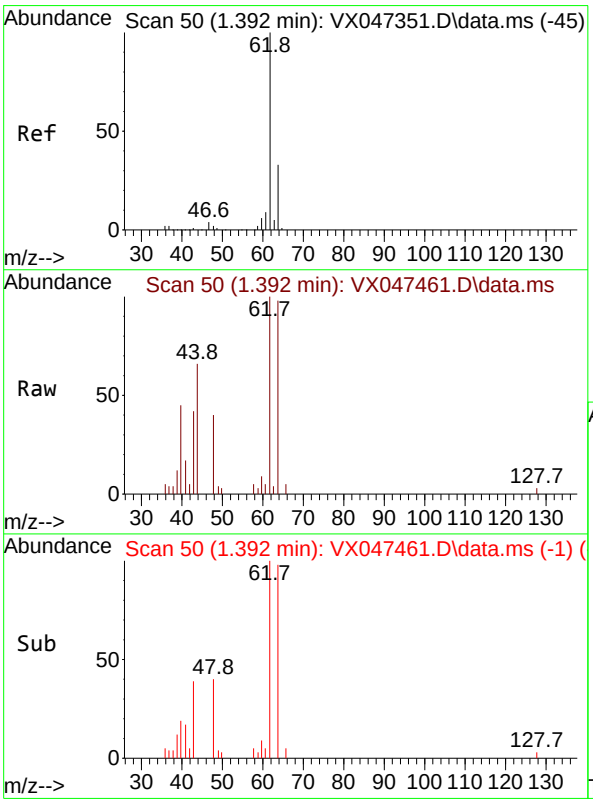


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion:168 Resp: 234783

Ion	Ratio	Lower	Upper
168	100		
99	62.5	47.9	71.9

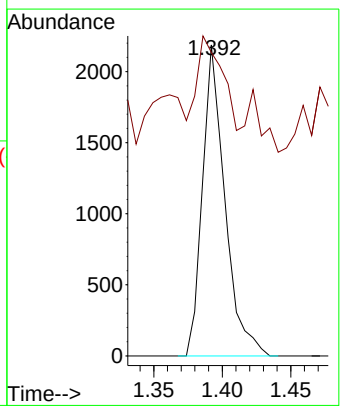




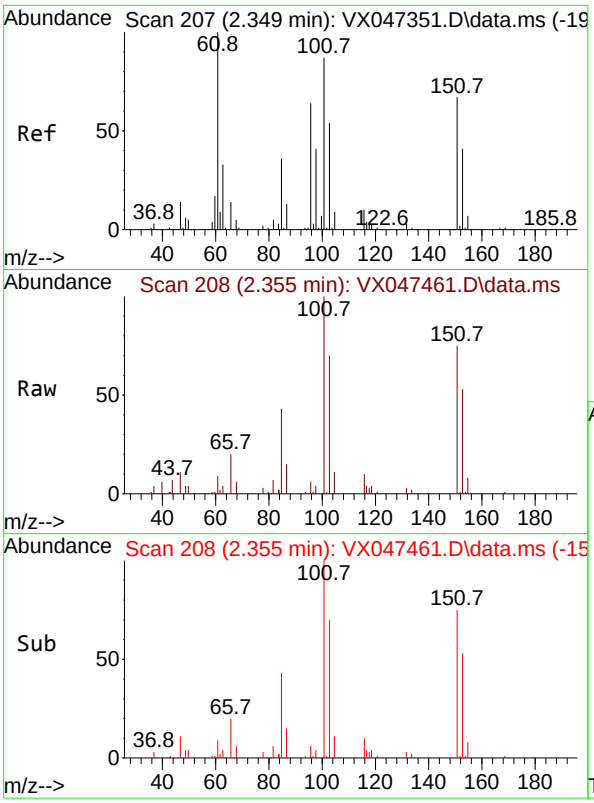
#4
Vinyl Chloride
Concen: 0.737 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 62 Resp: 2490

Ion	Ratio	Lower	Upper
62	100		
64	31.0	26.5	39.7



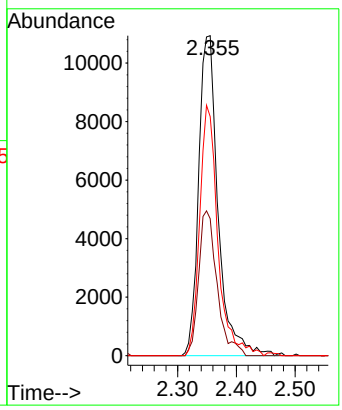
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

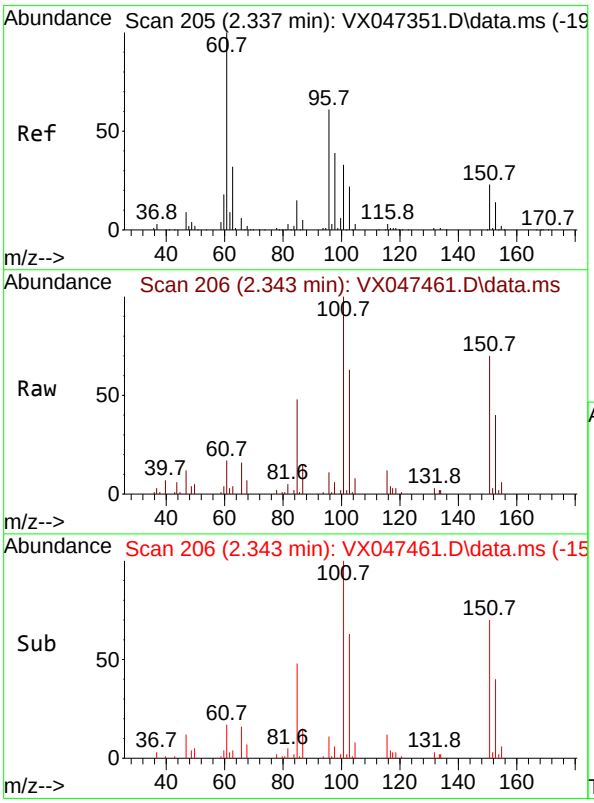


#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.657 ug/l
RT: 2.355 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion:101 Resp: 25101

Ion	Ratio	Lower	Upper
101	100		
85	42.9	34.3	51.5
151	73.2	59.2	88.8

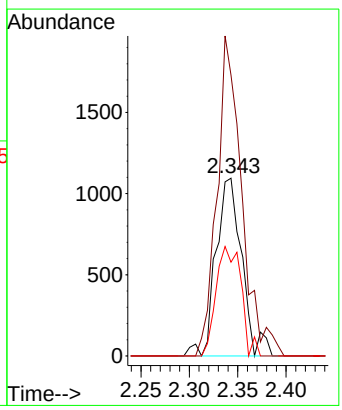




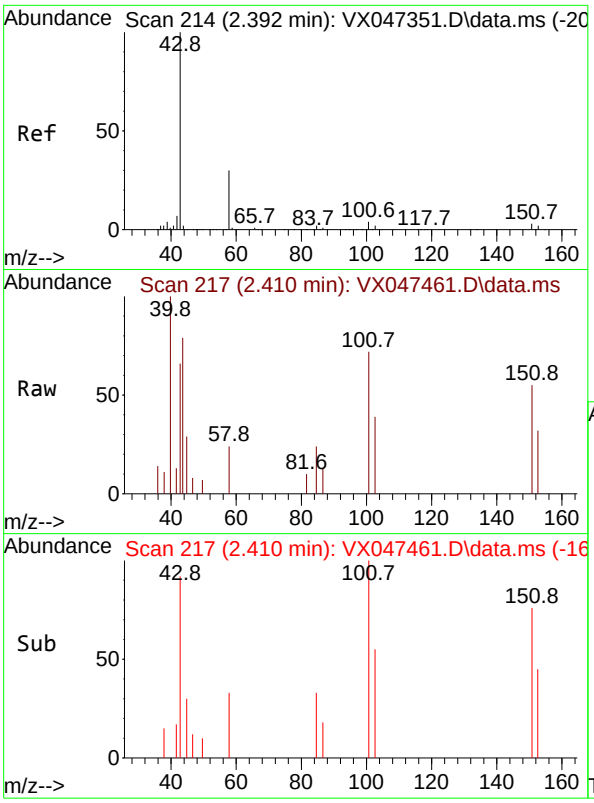
#12
1,1-Dichloroethene
Concen: 0.690 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 96 Resp: 2040

Ion	Ratio	Lower	Upper
96	100		
61	145.4	132.2	198.2
98	48.6	51.2	76.8#



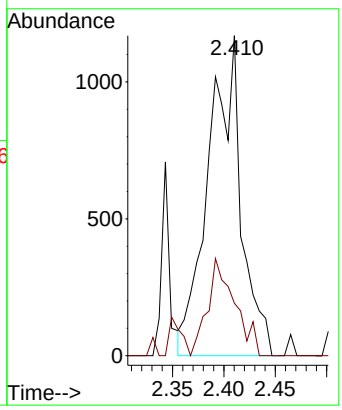
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

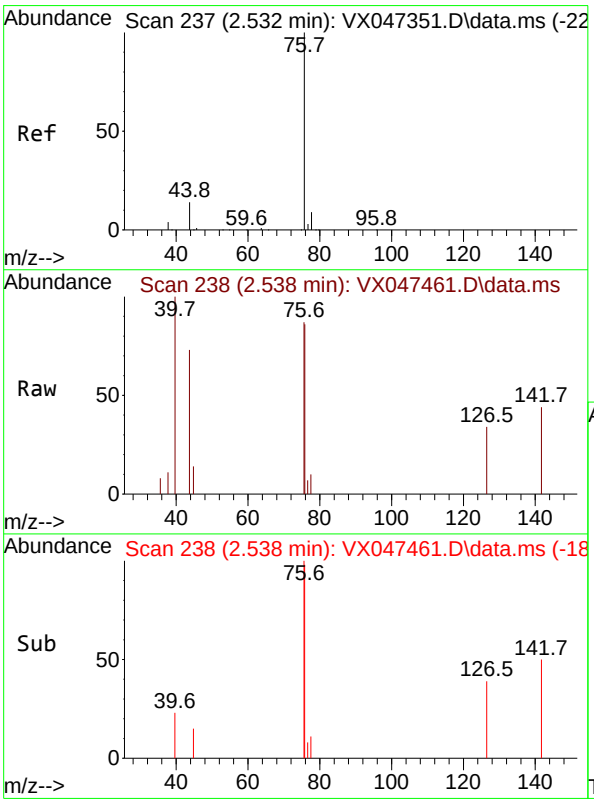


#16
Acetone
Concen: 2.091 ug/l
RT: 2.410 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 43 Resp: 2583

Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.8	37.2

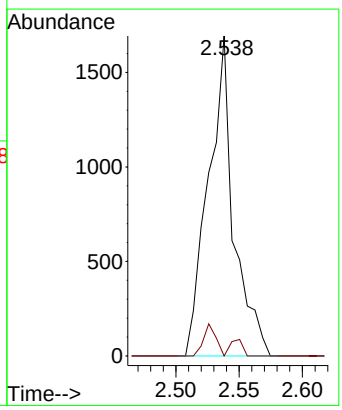




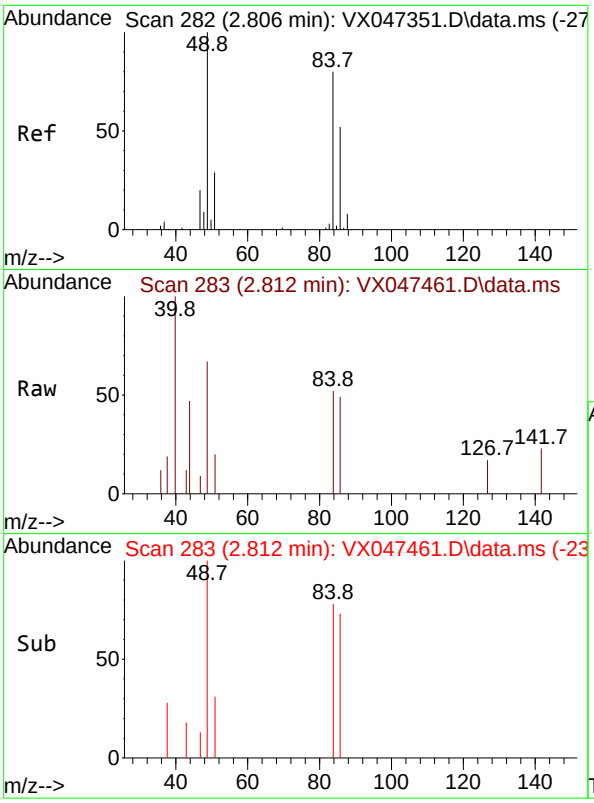
#17
Carbon Disulfide
Concen: 0.264 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 76 Resp: 2354

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.2	10.8#



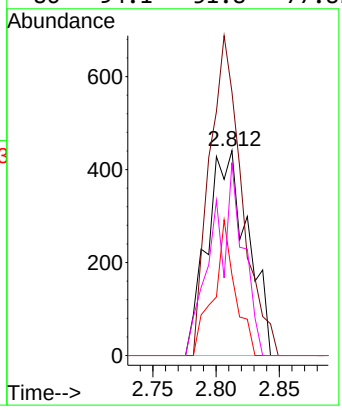
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

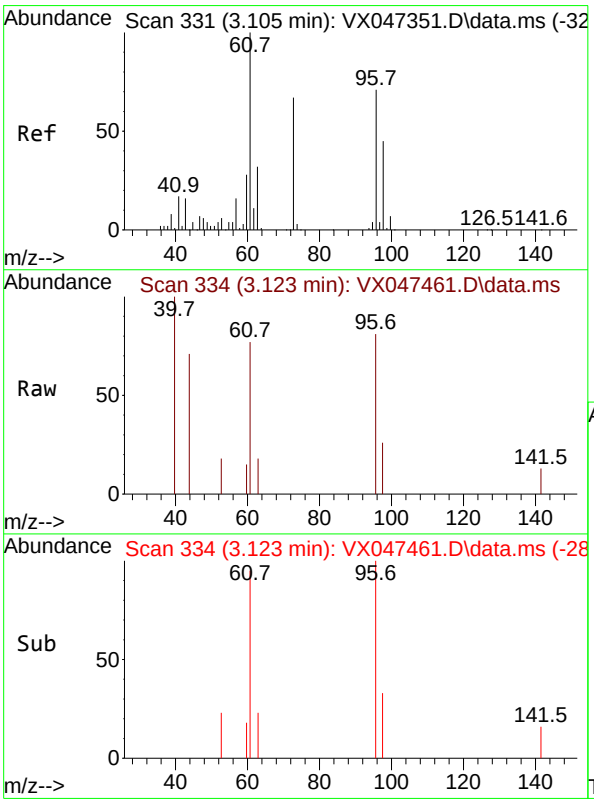


#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 2.812 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 84 Resp: 978

Ion	Ratio	Lower	Upper
84	100		
49	128.6	100.1	150.1
51	39.2	29.5	44.3
86	94.1	51.8	77.8#

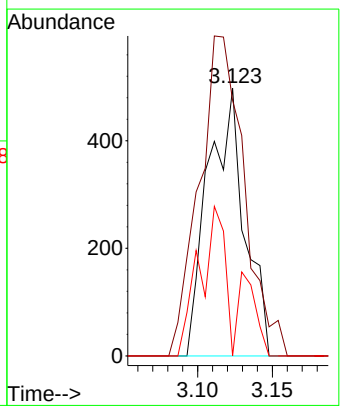




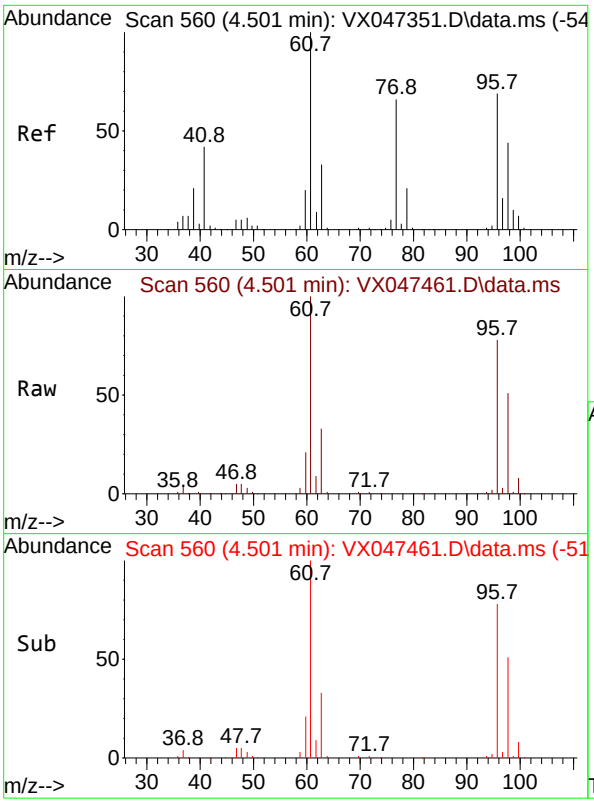
#21
trans-1,2-Dichloroethene
Concen: 0.270 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.018 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 96 Resp: 846

Ion	Ratio	Lower	Upper
96	100		
61	82.9	112.6	169.0#
98	0.0	50.9	76.3#



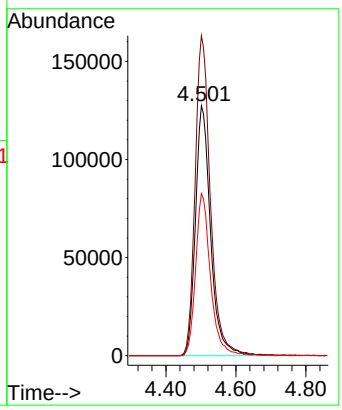
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

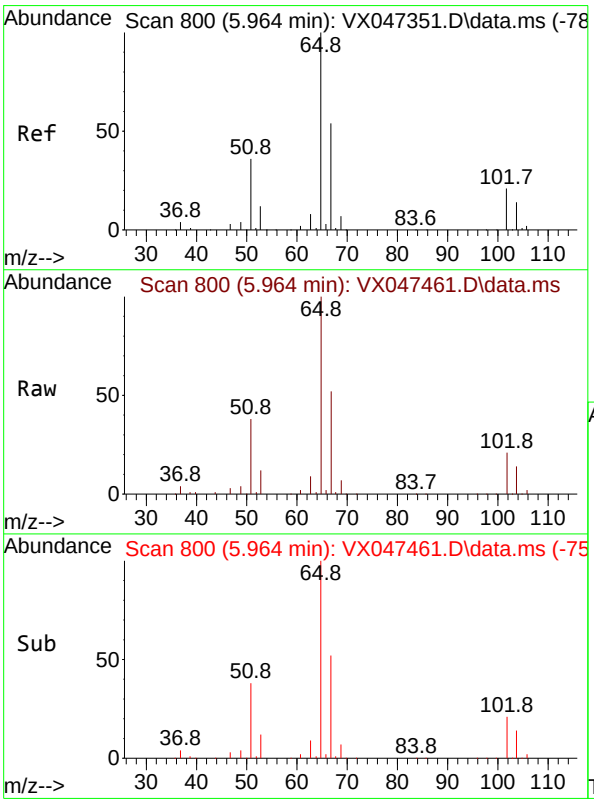


#27
cis-1,2-Dichloroethene
Concen: 104.951 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 96 Resp: 383526

Ion	Ratio	Lower	Upper
96	100		
61	128.6	0.0	296.6
98	63.4	0.0	130.4

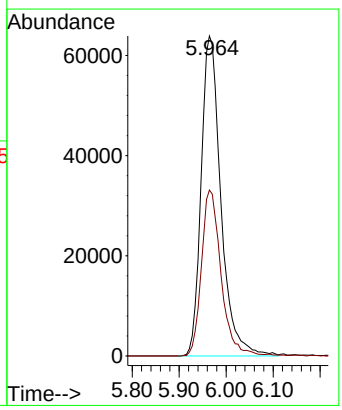


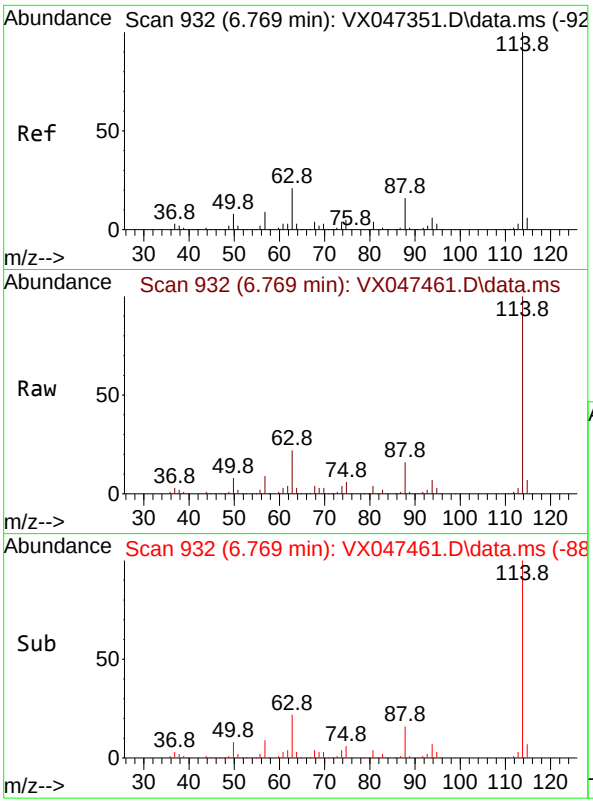


#33
1,2-Dichloroethane-d4
Concen: 56.815 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 65 Resp: 186685

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	106.0



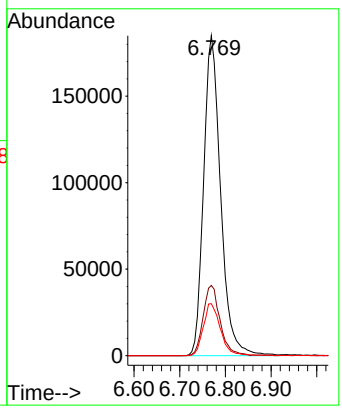


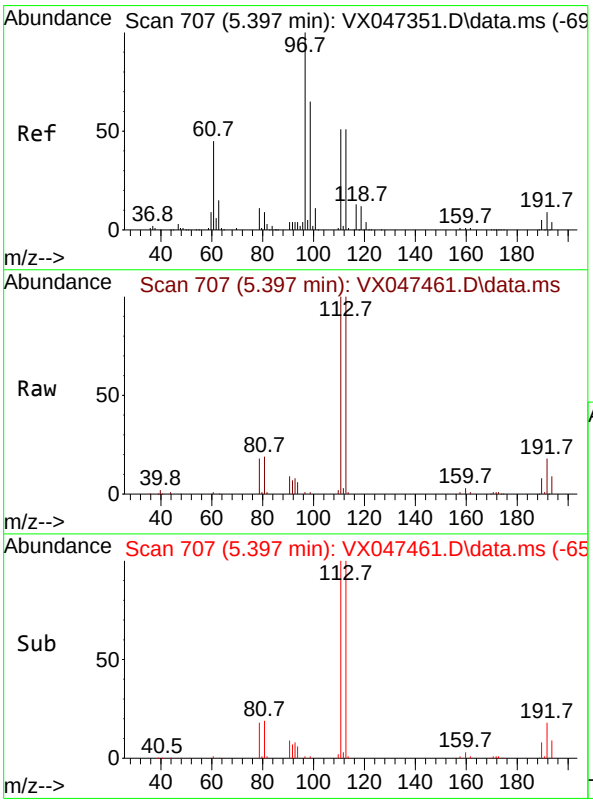
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:114 Resp: 477817

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	42.4
88	16.3	0.0	33.0

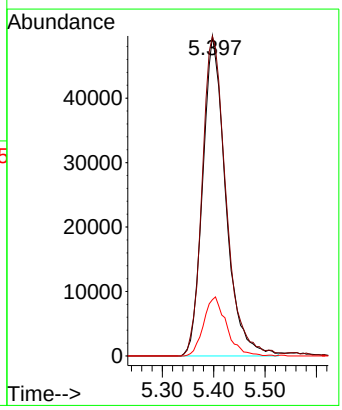


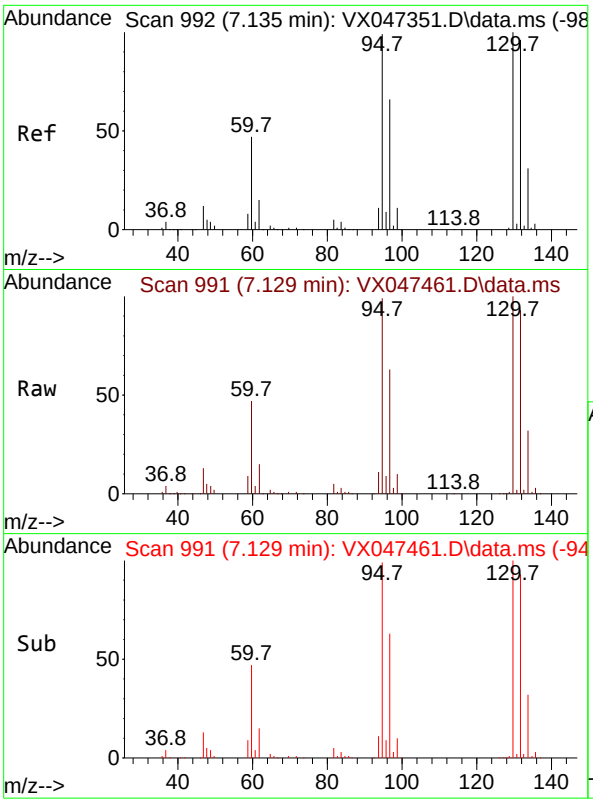


#35
Dibromofluoromethane
Concen: 49.642 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion:113 Resp: 153944

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.2
192	18.4	14.1	21.1



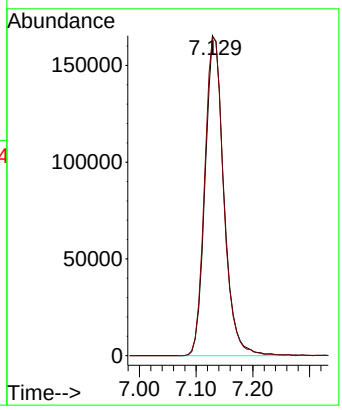


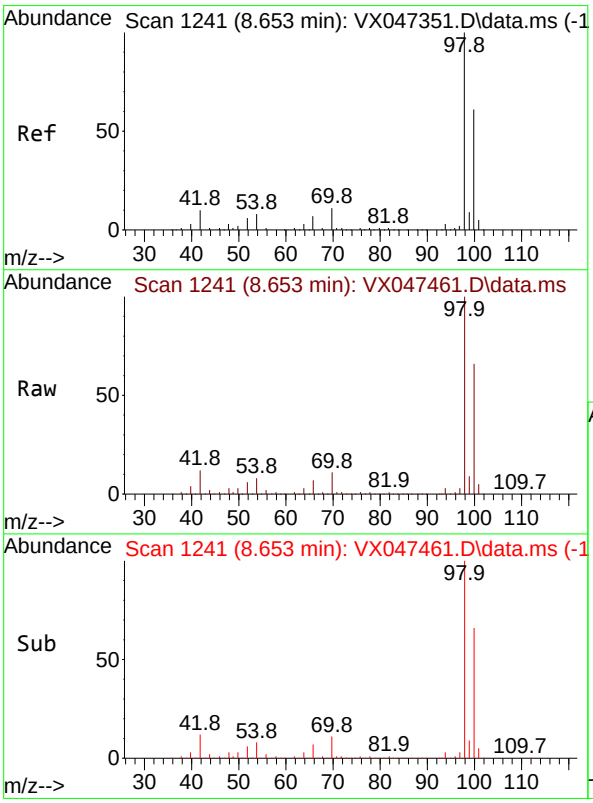
#44
Trichloroethene
Concen: 101.492 ug/l
RT: 7.129 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:130 Resp: 380783

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	198.6

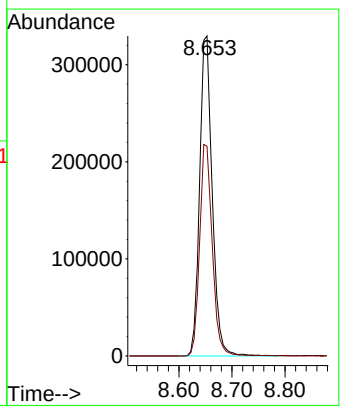


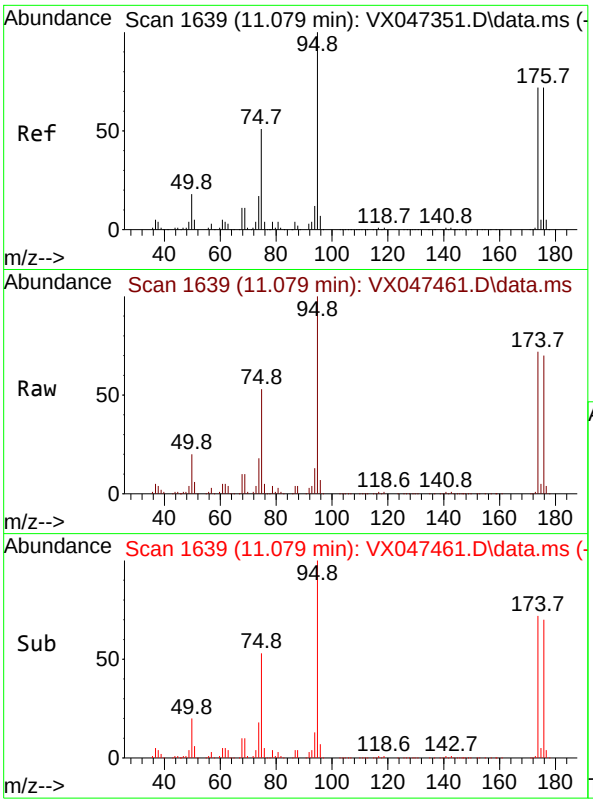


#50
Toluene-d8
Concen: 49.101 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 98 Resp: 544241

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.9	80.9



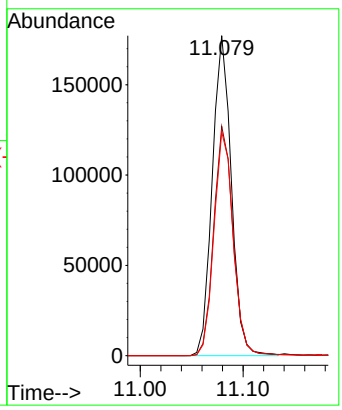


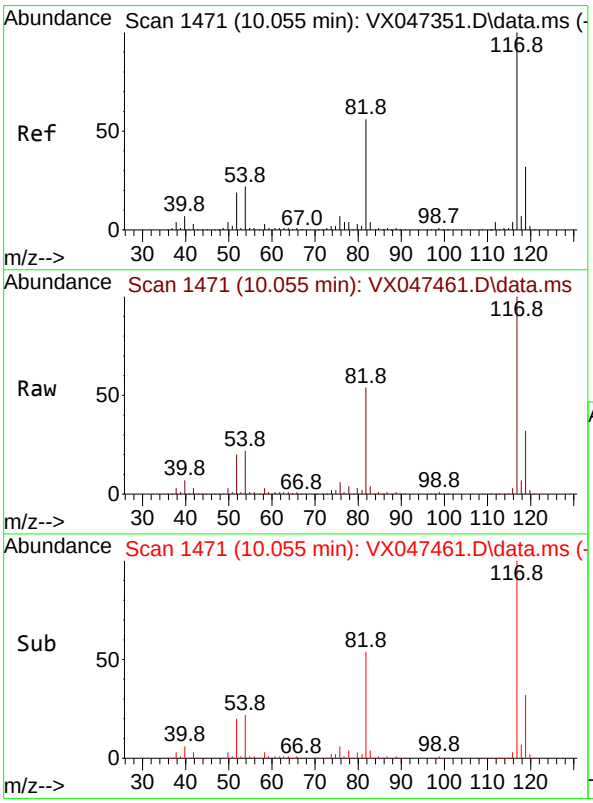
#62
4-Bromofluorobenzene
Concen: 55.674 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion: 95 Resp: 227719

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	148.0
176	71.2	0.0	145.4

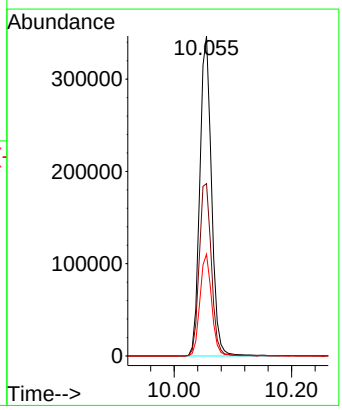


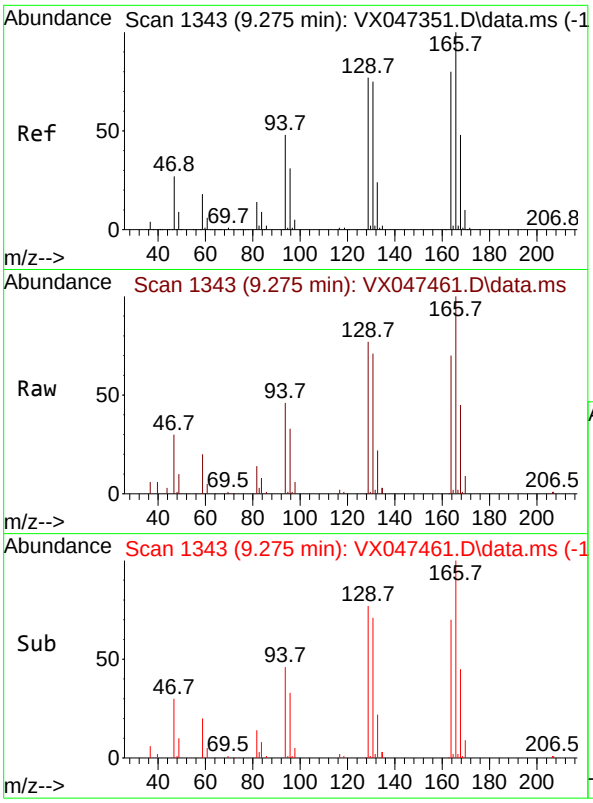


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion:117 Resp: 477729

Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.0	67.4
119	31.8	25.8	38.8



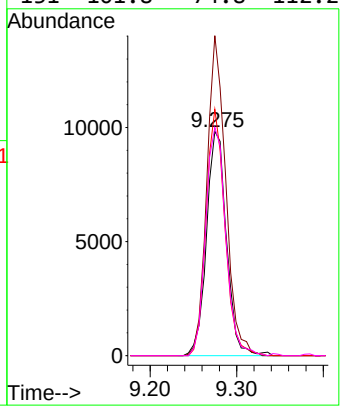


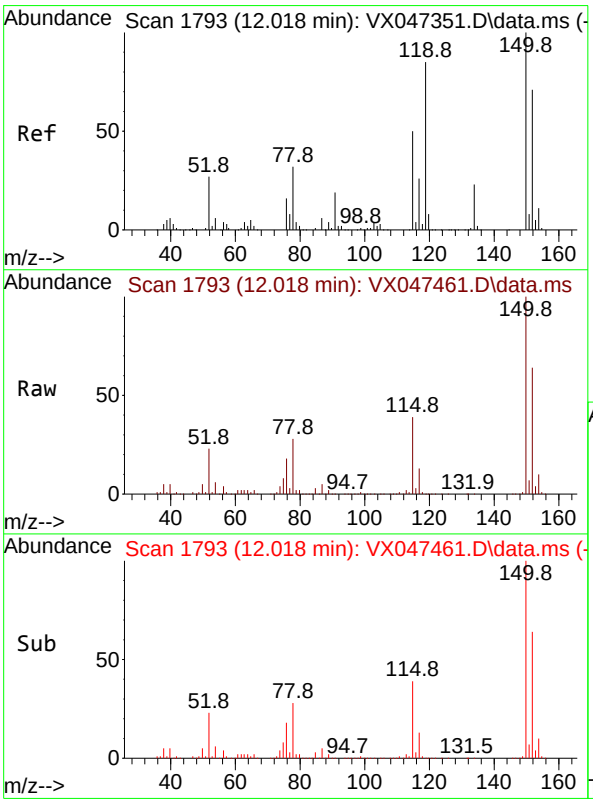
#64
Tetrachloroethene
Concen: 4.558 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:164 Resp: 15750

Ion	Ratio	Lower	Upper
164	100		
166	142.7	100.3	150.5
129	109.8	77.7	116.5
131	101.8	74.8	112.2

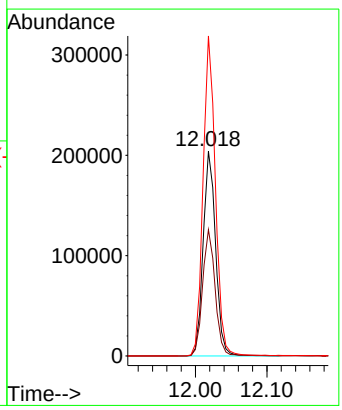


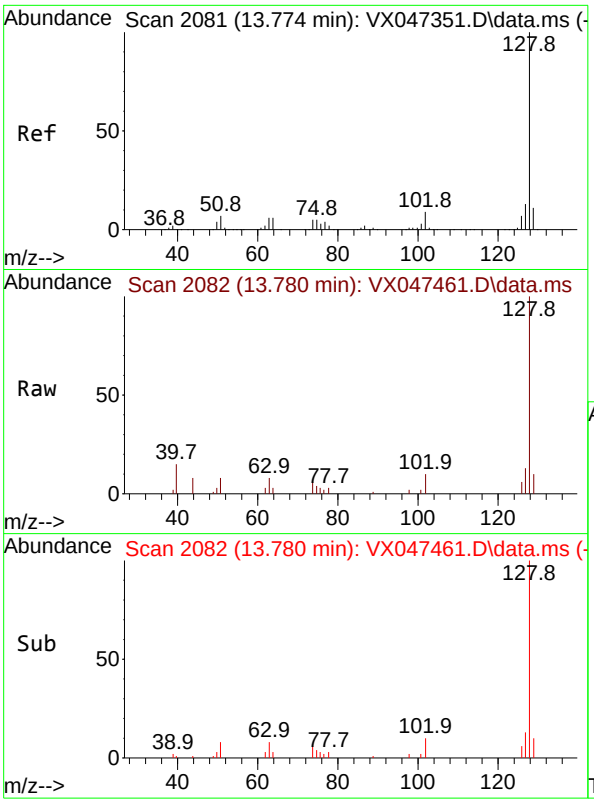


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion:152 Resp: 247621

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.6	133.8
150	155.0	0.0	349.8



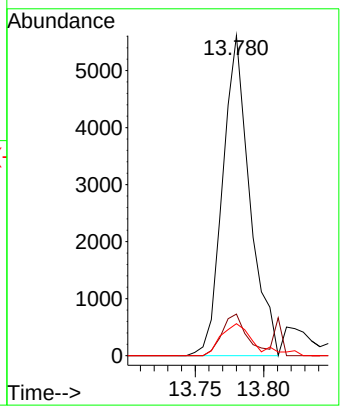


#95
Naphthalene
Concen: 0.470 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:128 Resp: 7720

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	12.3	8.7	13.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047416.D
Acq On : 19 Aug 2025 16:36
Operator : JC/MD
Sample : Q2869-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

Quant Time: Aug 20 01:29:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

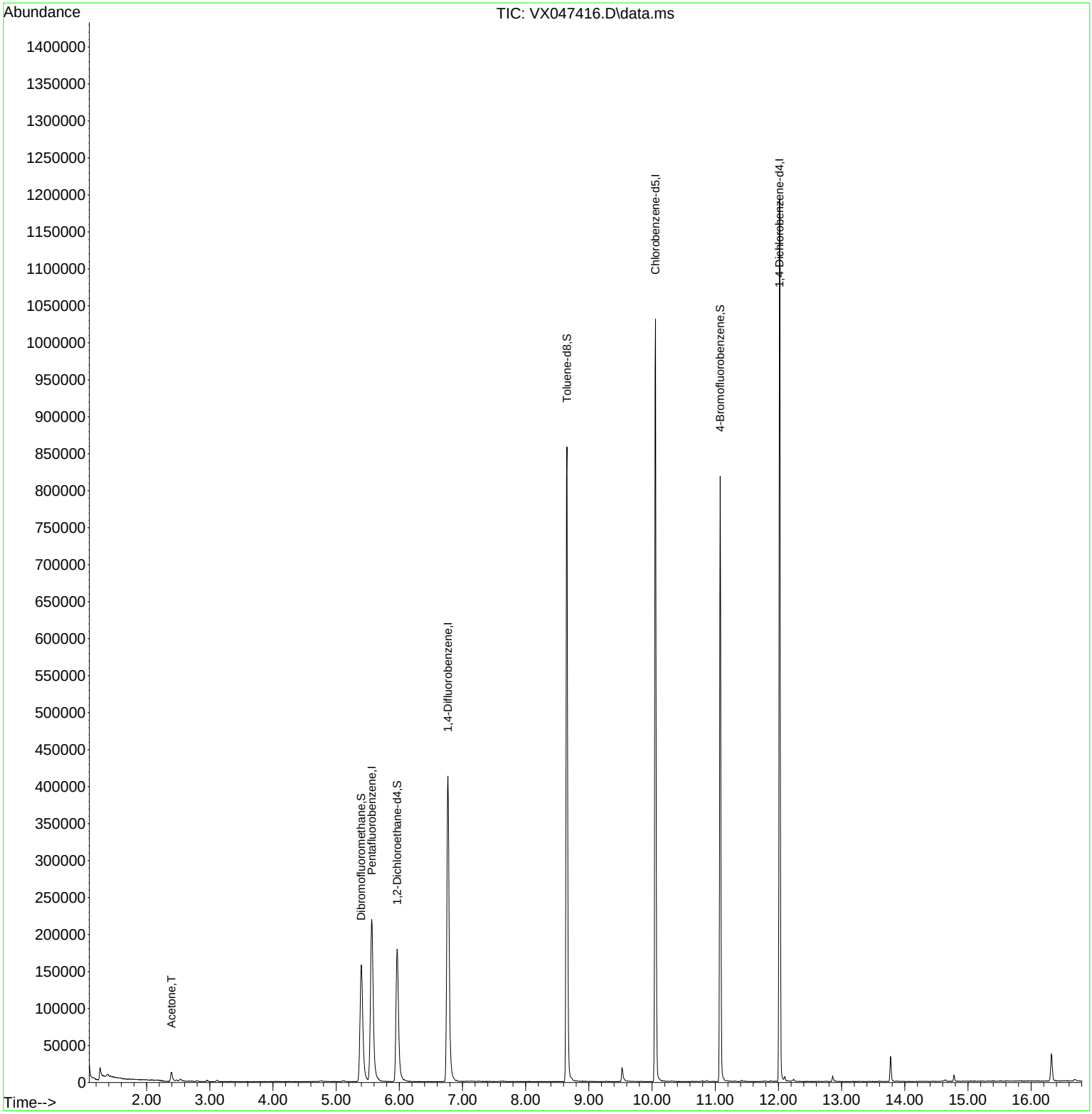
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	223227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	449571	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	464745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	238761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	190215	60.886	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 121.780%#			
35) Dibromofluoromethane	5.397	113	150935	51.730	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.460%			
50) Toluene-d8	8.653	98	521428	49.999	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.000%			
62) 4-Bromofluorobenzene	11.079	95	220160	57.208	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.420%			
Target Compounds						Qvalue
16) Acetone	2.392	43	17383	14.803	ug/l	93

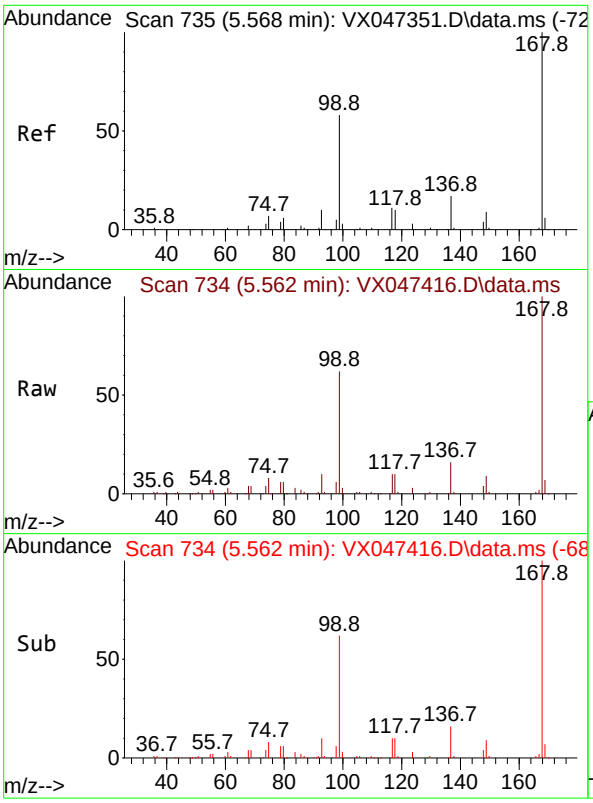
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047416.D
Acq On : 19 Aug 2025 16:36
Operator : JC/MD
Sample : Q2869-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

Quant Time: Aug 20 01:29:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



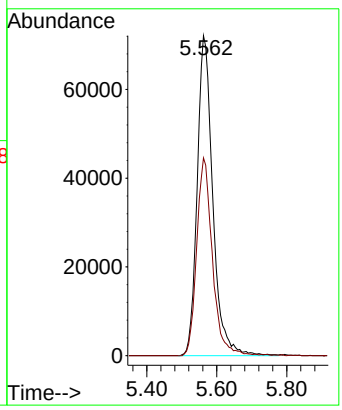


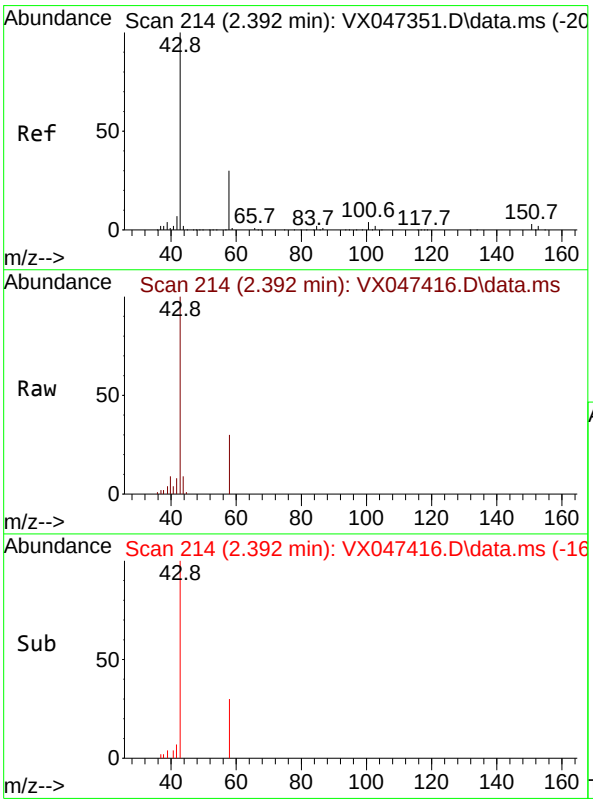
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

Tgt Ion:168 Resp: 223227

Ion	Ratio	Lower	Upper
168	100		
99	61.8	47.9	71.9

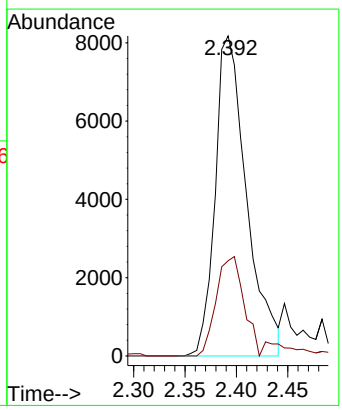


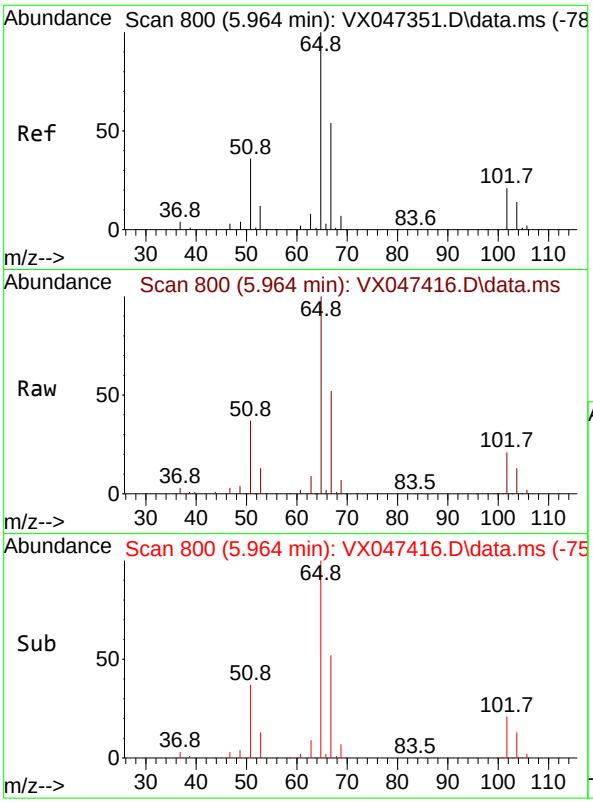


#16
Acetone
Concen: 14.803 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Tgt Ion: 43 Resp: 17383

Ion	Ratio	Lower	Upper
43	100		
58	27.3	24.8	37.2



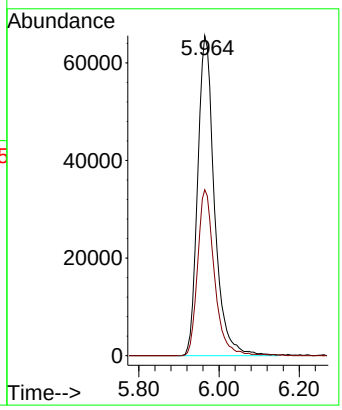


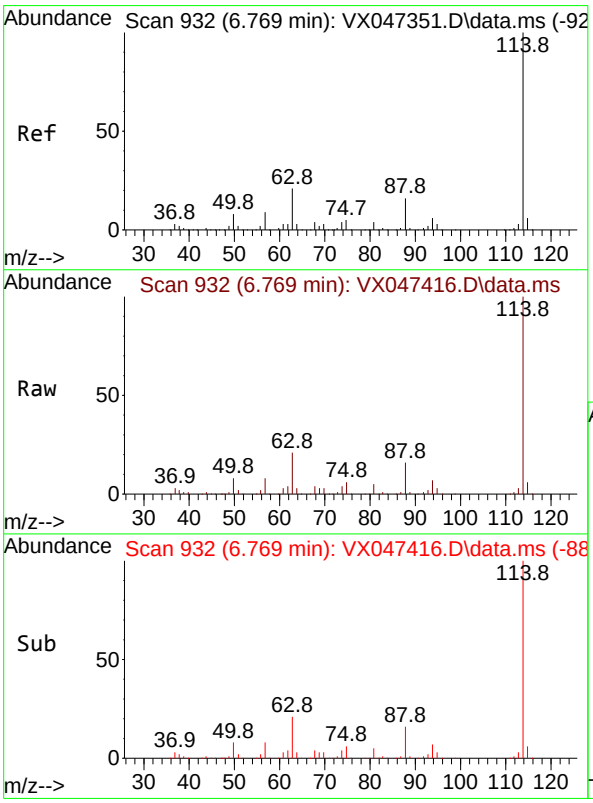
#33
1,2-Dichloroethane-d4
Concen: 60.886 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

Tgt Ion: 65 Resp: 190215

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	106.0

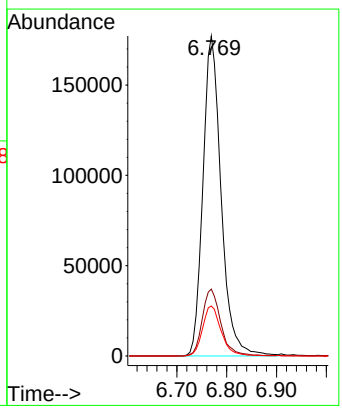


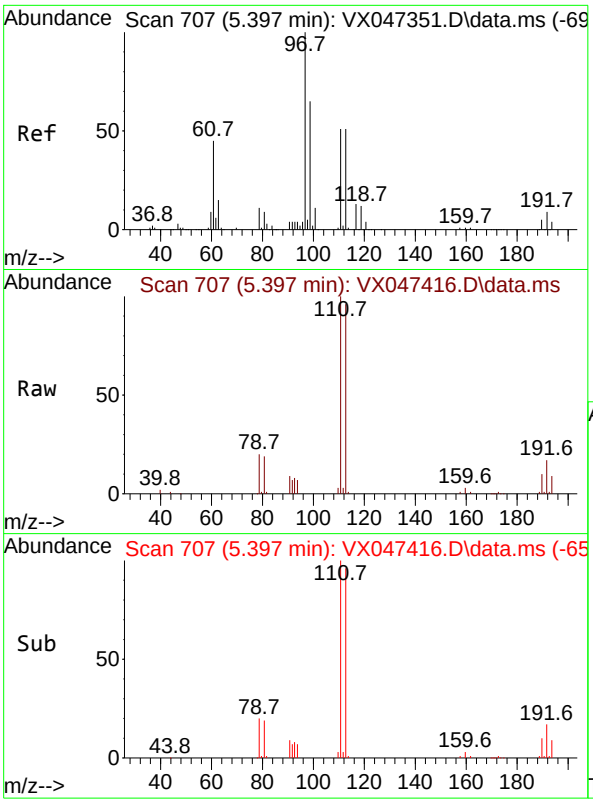


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Tgt Ion:114 Resp: 449571

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.4
88	15.6	0.0	33.0



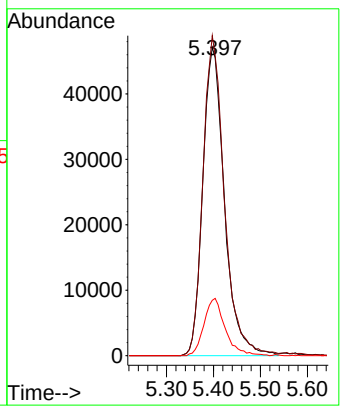


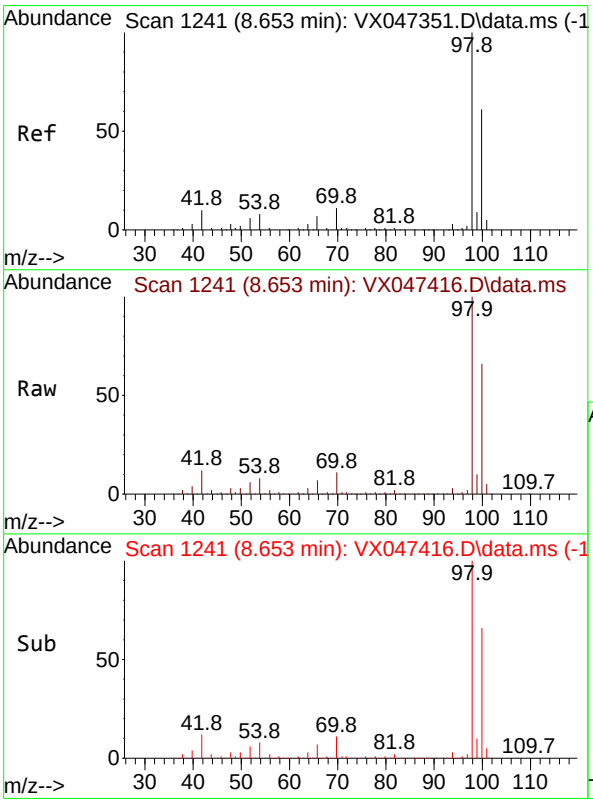
#35
Dibromofluoromethane
Concen: 51.730 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

Tgt Ion:113 Resp: 150935

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.2
192	18.2	14.1	21.1

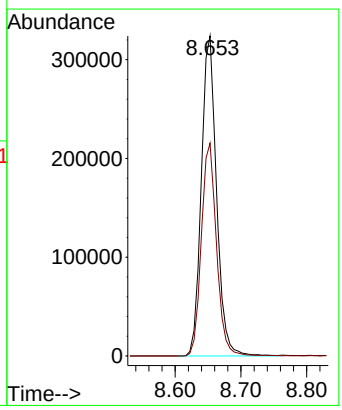


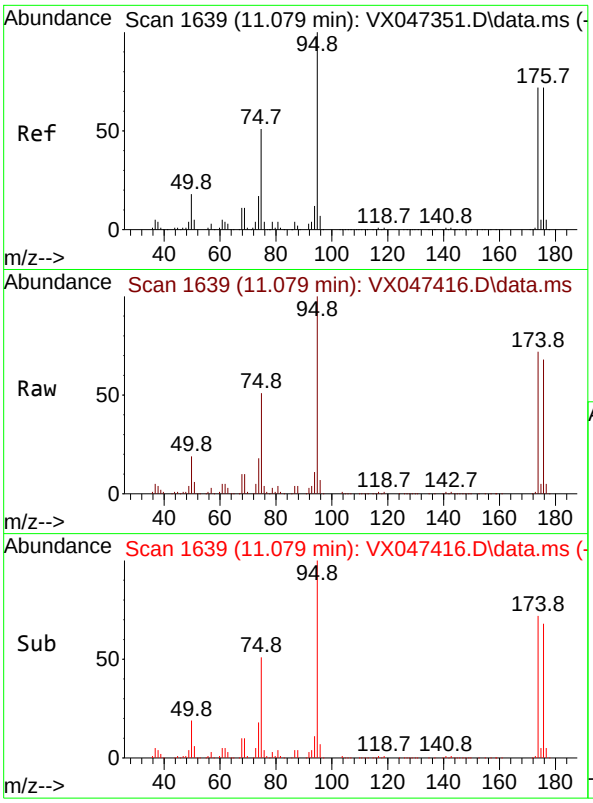


#50
Toluene-d8
Concen: 49.999 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Tgt Ion: 98 Resp: 521428

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.9	80.9



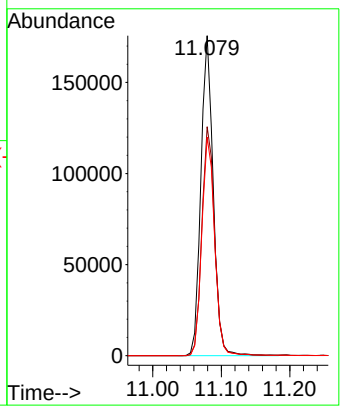


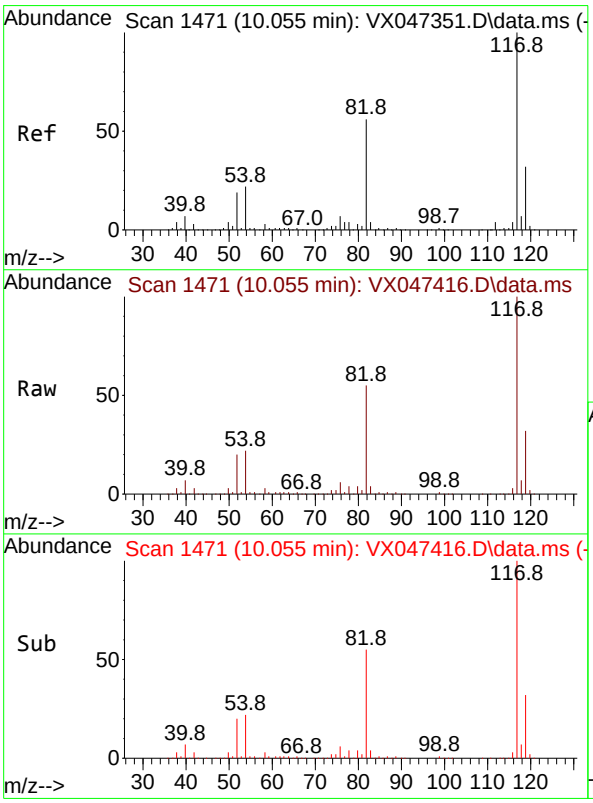
#62
4-Bromofluorobenzene
Concen: 57.208 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

Tgt Ion: 95 Resp: 220160

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	148.0
176	71.2	0.0	145.4

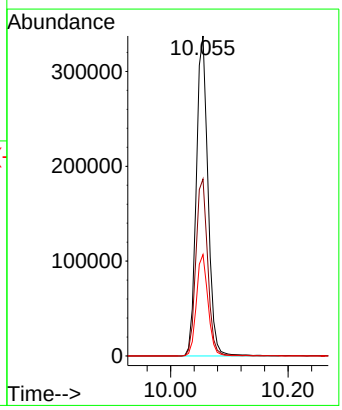


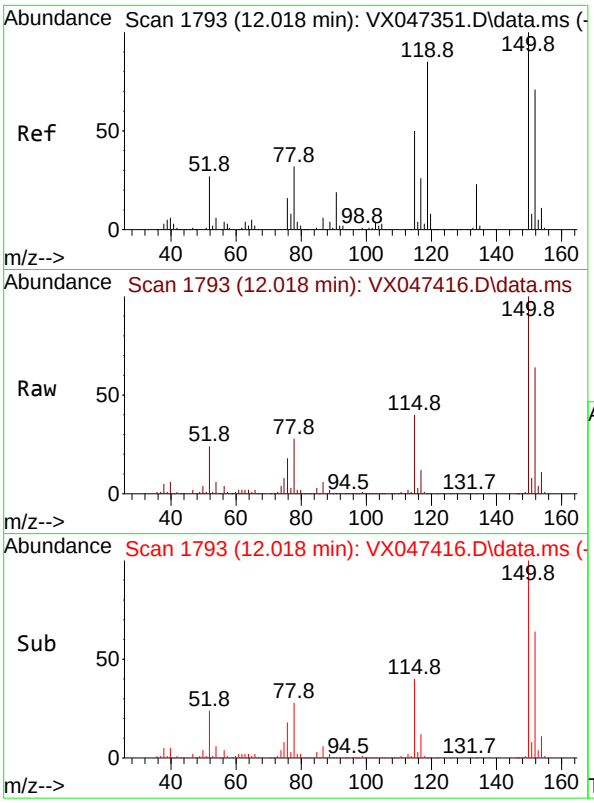


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Tgt Ion:117 Resp: 464745

Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.0	67.4
119	31.7	25.8	38.8



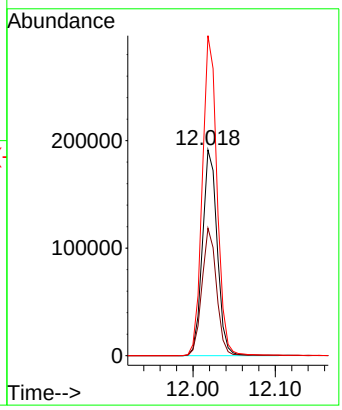


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047416.D
Acq: 19 Aug 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
EB01-081325

Tgt Ion:152 Resp: 238761

Ion	Ratio	Lower	Upper
152	100		
115	61.4	44.6	133.8
150	155.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047417.D
Acq On : 19 Aug 2025 16:57
Operator : JC/MD
Sample : Q2869-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB02-081325

Quant Time: Aug 20 01:29:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

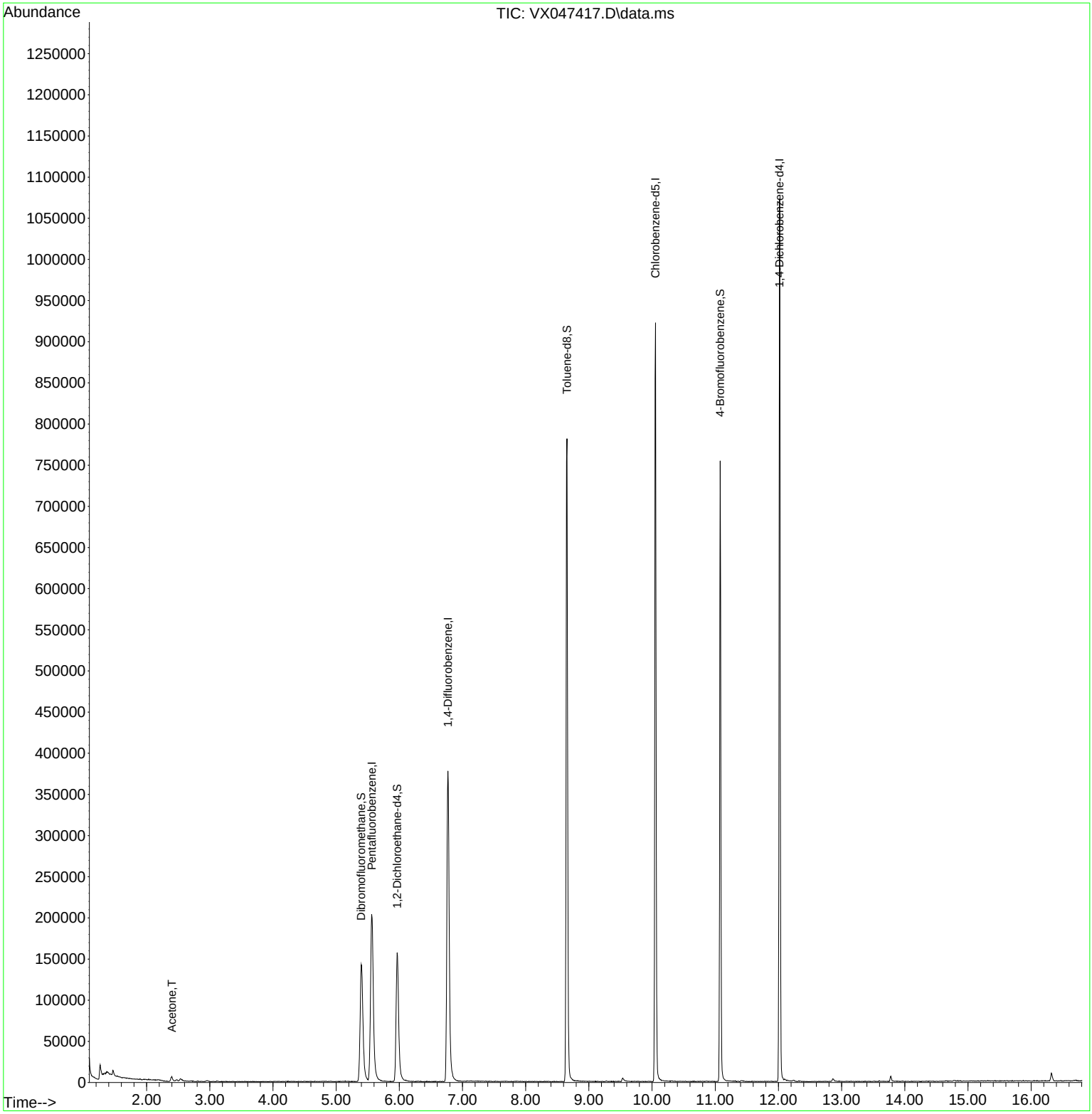
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	205773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	414097	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	417583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	212656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	164219	57.023	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.040%			
35) Dibromofluoromethane	5.397	113	137119	51.021	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.040%			
50) Toluene-d8	8.653	98	483216	50.304	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.600%			
62) 4-Bromofluorobenzene	11.079	95	199041	56.150	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.300%			
Target Compounds						Qvalue
16) Acetone	2.398	43	8905	8.226	ug/l #	84

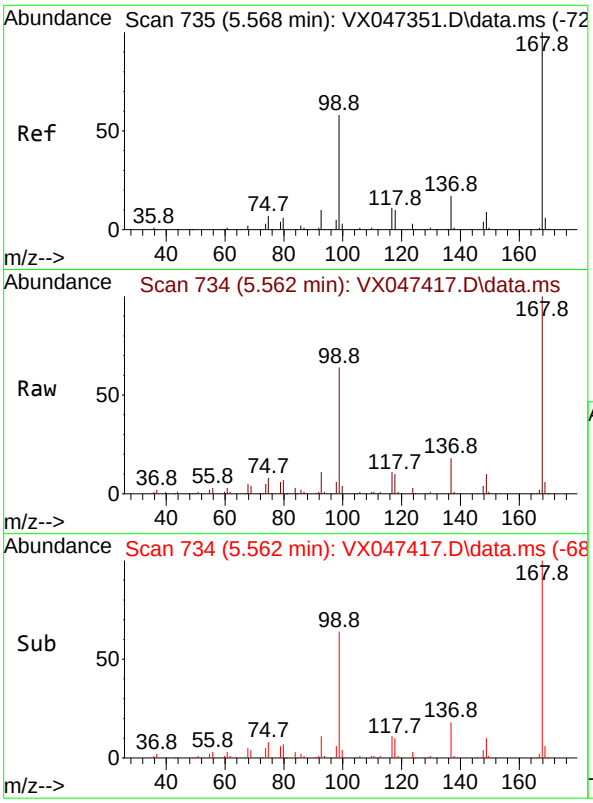
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047417.D
Acq On : 19 Aug 2025 16:57
Operator : JC/MD
Sample : Q2869-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB02-081325

Quant Time: Aug 20 01:29:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



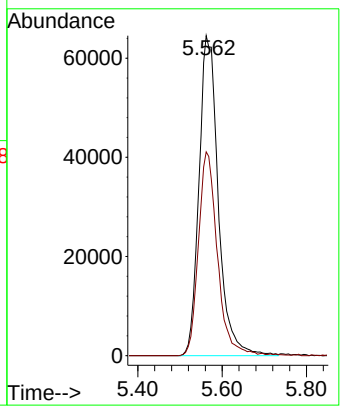


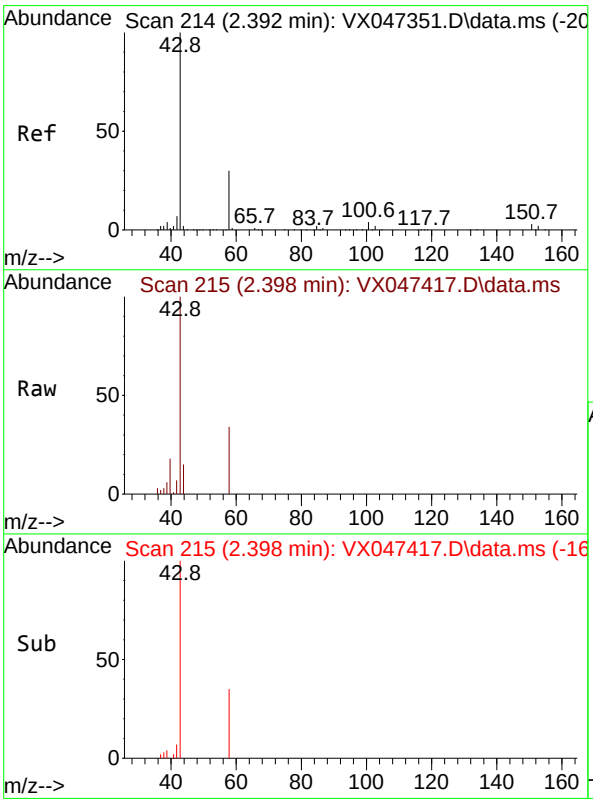
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Instrument :
MSVOA_X
ClientSampleId :
EB02-081325

Tgt Ion:168 Resp: 205773

Ion	Ratio	Lower	Upper
168	100		
99	63.7	47.9	71.9

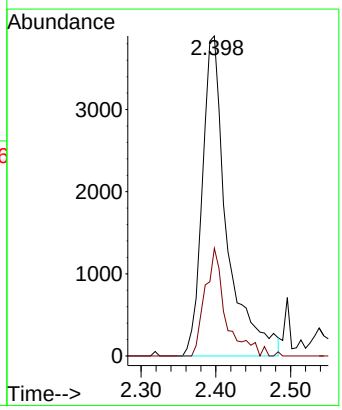


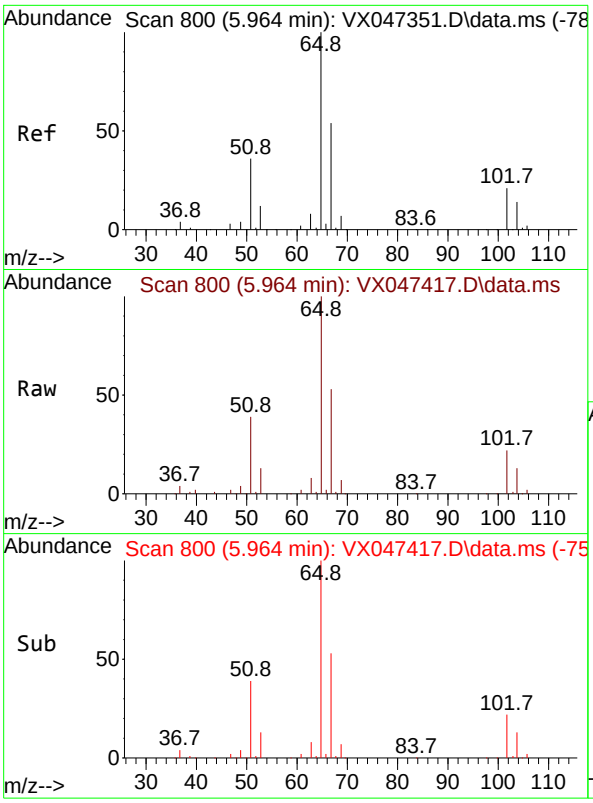


#16
Acetone
Concen: 8.226 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Tgt Ion: 43 Resp: 8905

Ion	Ratio	Lower	Upper
43	100		
58	40.0	24.8	37.2#



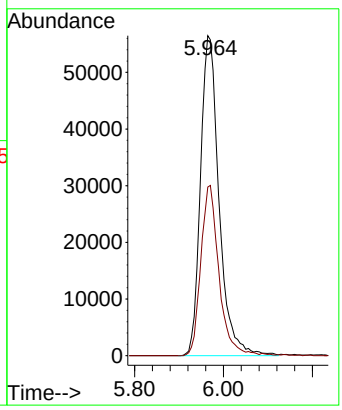


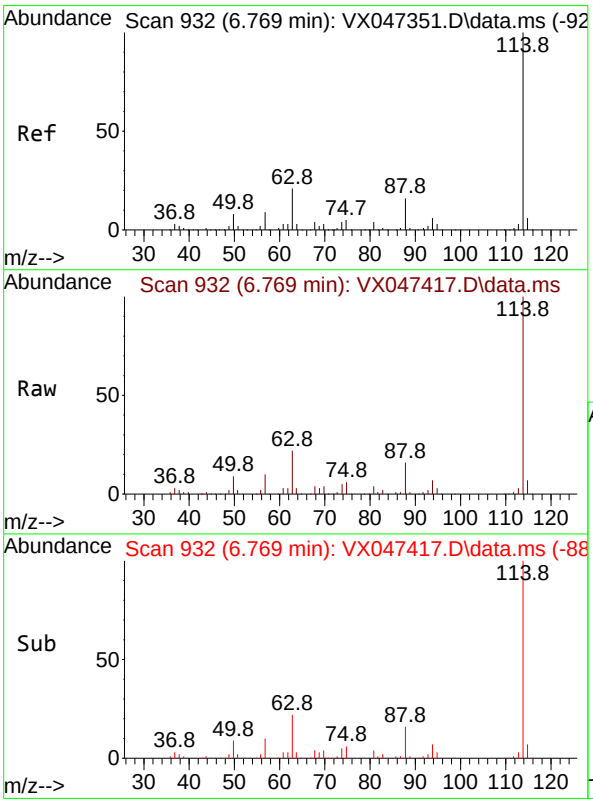
#33
1,2-Dichloroethane-d4
Concen: 57.023 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Instrument :
MSVOA_X
ClientSampleId :
EB02-081325

Tgt Ion: 65 Resp: 164219

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.0

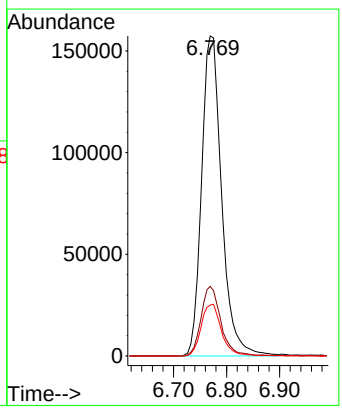




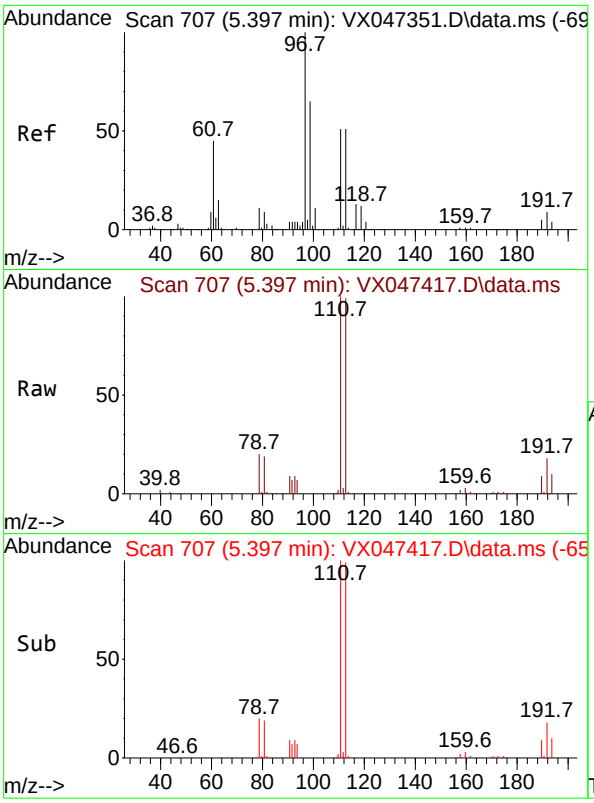
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Tgt Ion:114 Resp: 414097

Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	42.4
88	15.9	0.0	33.0



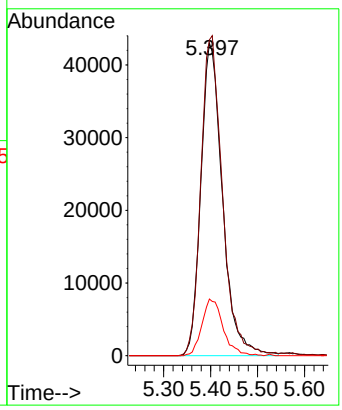
Instrument :
MSVOA_X
ClientSampleId :
EB02-081325

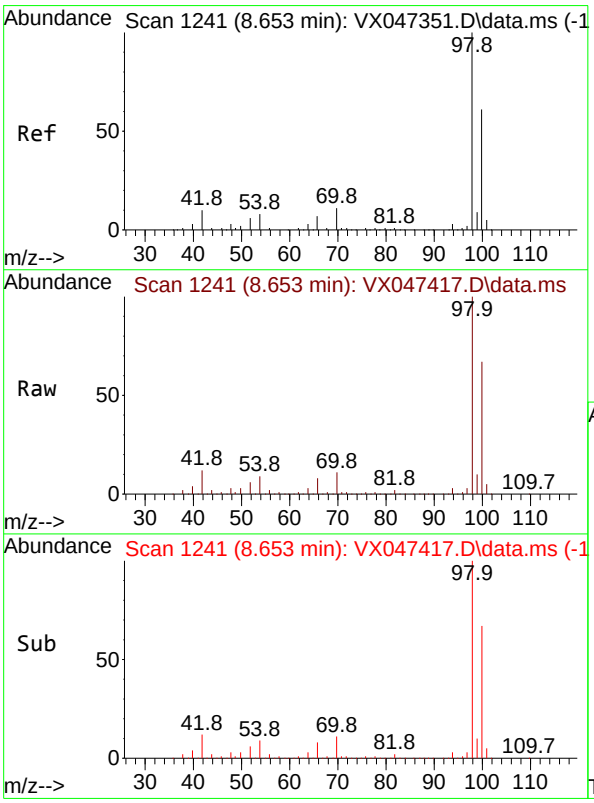


#35
Dibromofluoromethane
Concen: 51.021 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Tgt Ion:113 Resp: 137119

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.2
192	17.8	14.1	21.1

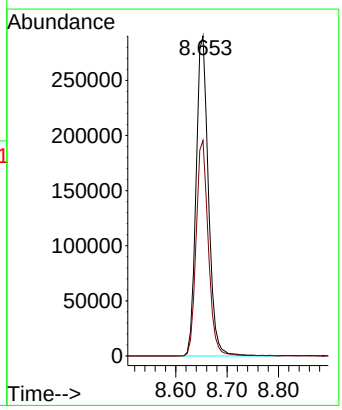


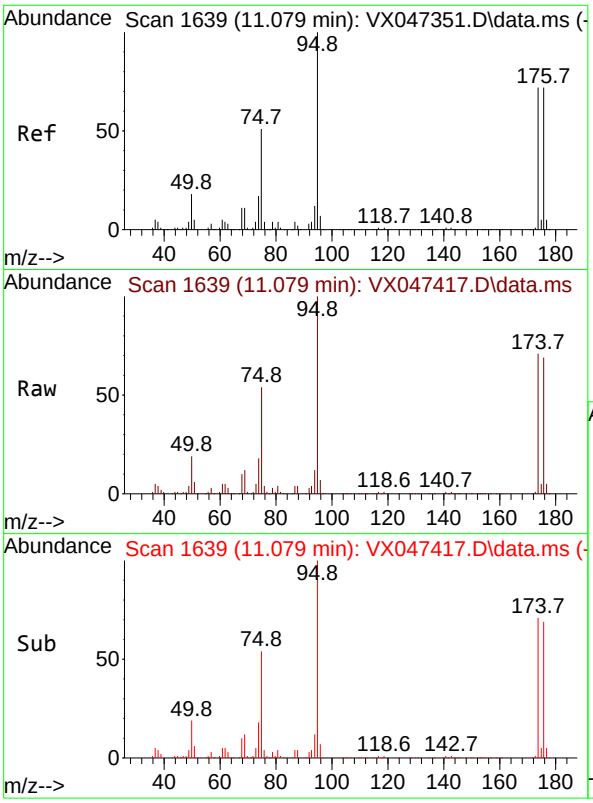


#50
Toluene-d8
Concen: 50.304 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Tgt Ion: 98 Resp: 483216

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.9	80.9



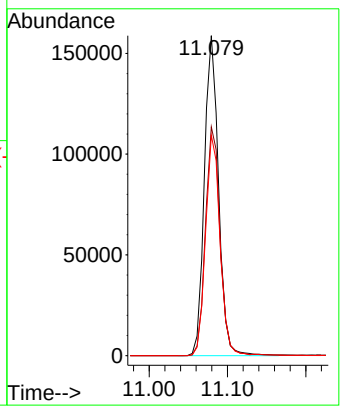


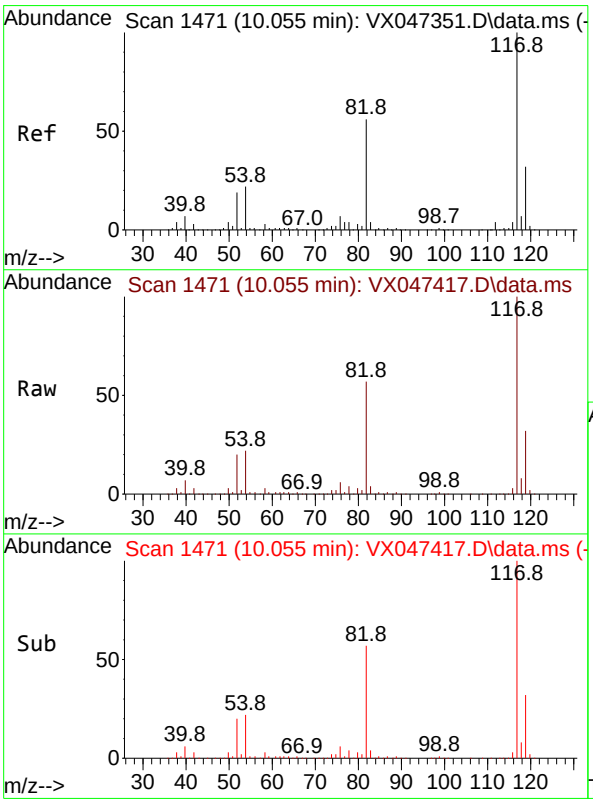
#62
4-Bromofluorobenzene
Concen: 56.150 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Instrument :
MSVOA_X
ClientSampleId :
EB02-081325

Tgt Ion: 95 Resp: 199041

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.0
176	70.7	0.0	145.4

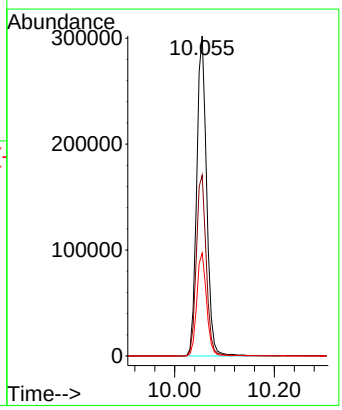


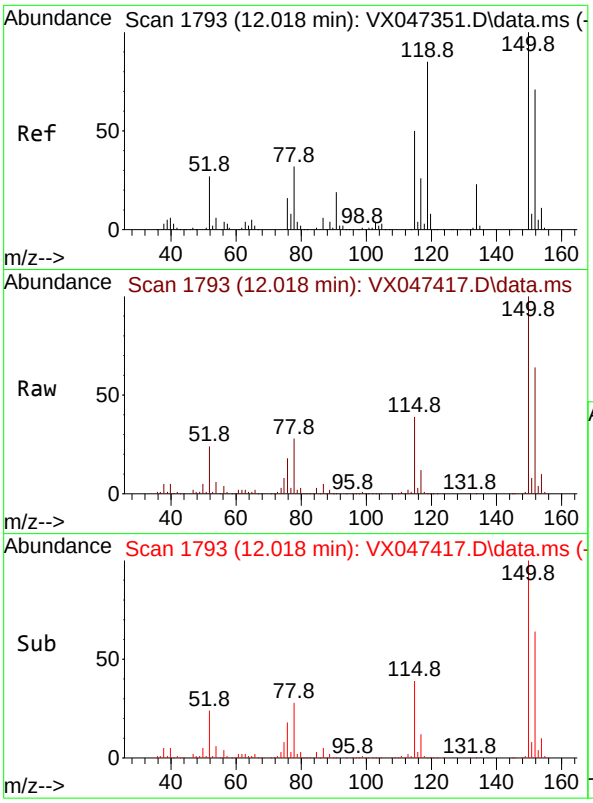


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Tgt Ion:117 Resp: 417583

Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.0	67.4
119	32.2	25.8	38.8



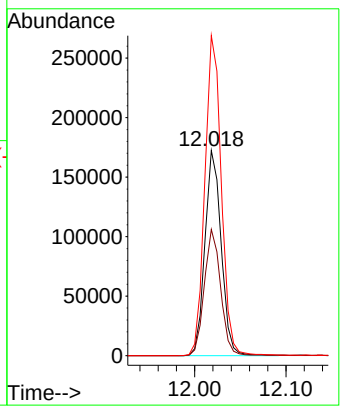


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Instrument :
MSVOA_X
ClientSampleId :
EB02-081325

Tgt Ion:152 Resp: 212656

Ion	Ratio	Lower	Upper
152	100		
115	61.8	44.6	133.8
150	158.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047418.D
Acq On : 19 Aug 2025 17:18
Operator : JC/MD
Sample : Q2869-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-081325

Quant Time: Aug 20 01:30:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

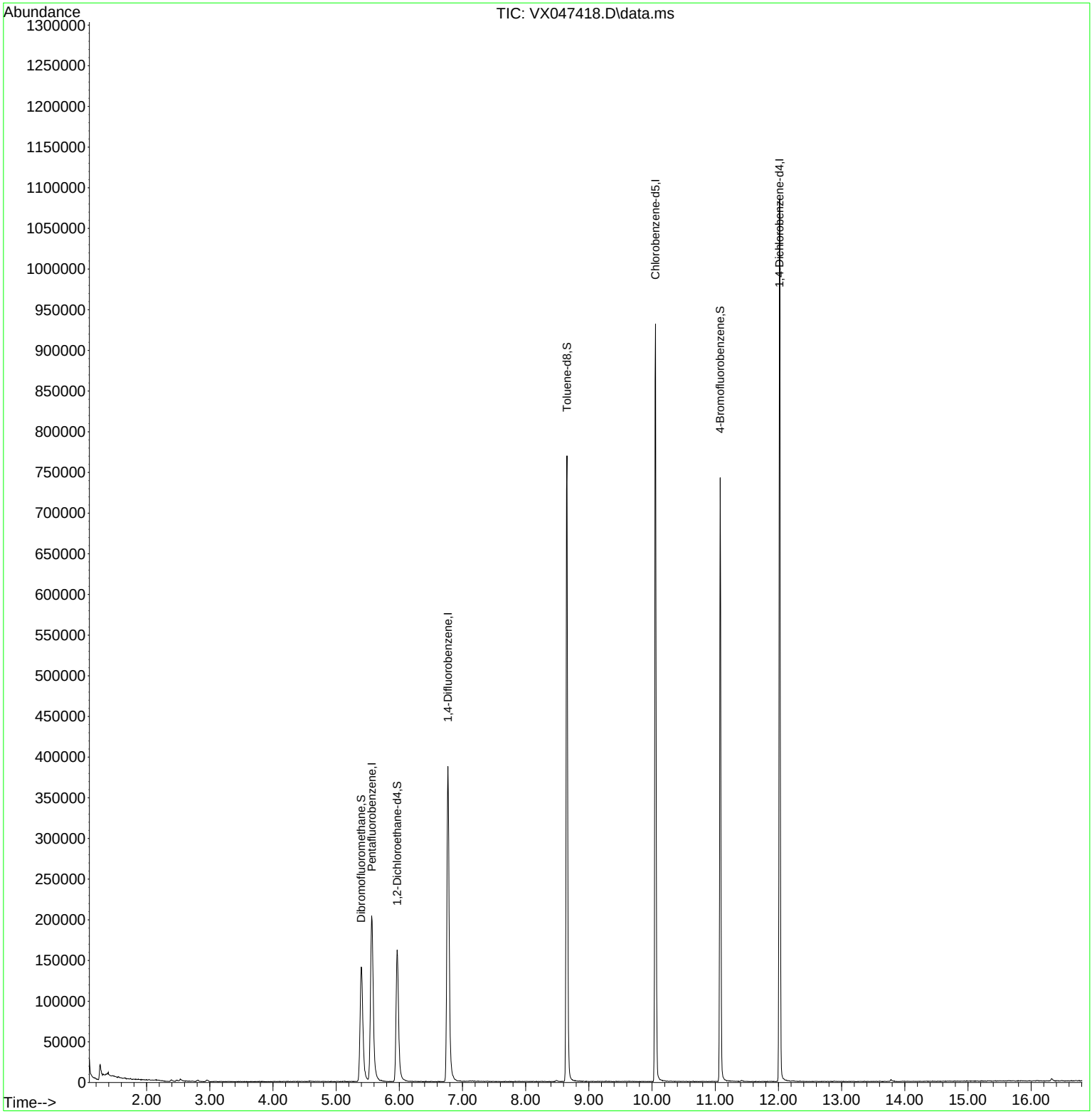
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	204851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	415100	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	420679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	219893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167900	58.564	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.120%#			
35) Dibromofluoromethane	5.397	113	134098	49.776	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.560%			
50) Toluene-d8	8.653	98	464326	48.221	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.440%			
62) 4-Bromofluorobenzene	11.079	95	198402	55.835	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.660%			
Target Compounds						Qvalue

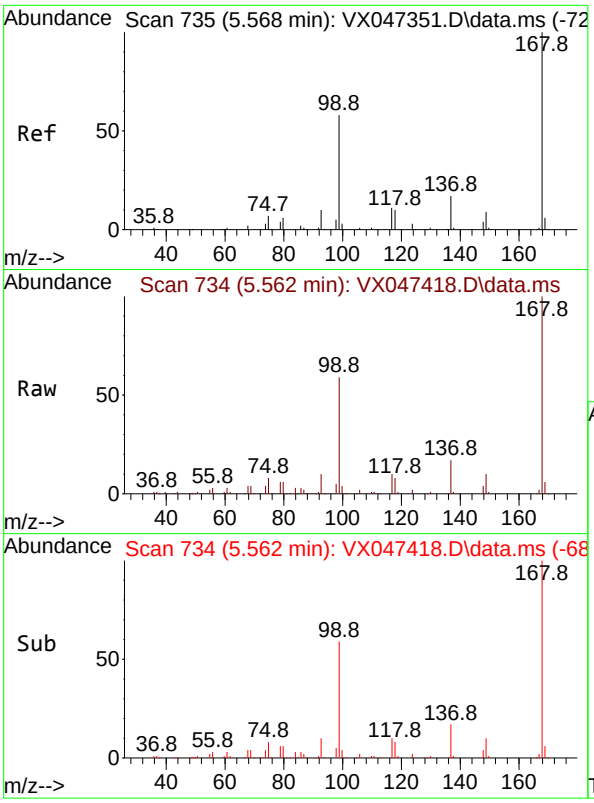
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047418.D
Acq On : 19 Aug 2025 17:18
Operator : JC/MD
Sample : Q2869-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-081325

Quant Time: Aug 20 01:30:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



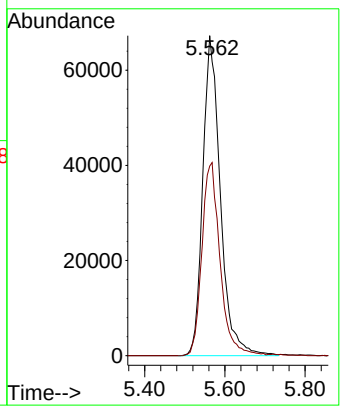


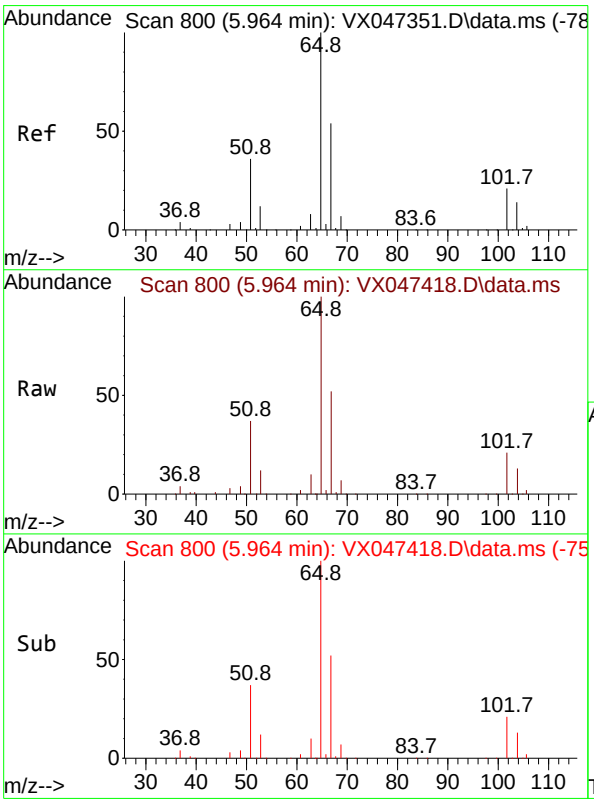
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047418.D
Acq: 19 Aug 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :
TB01-081325

Tgt Ion:168 Resp: 204851

Ion	Ratio	Lower	Upper
168	100		
99	59.3	47.9	71.9

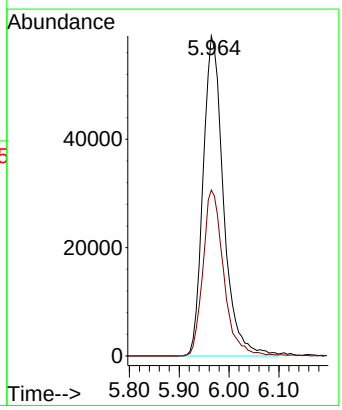


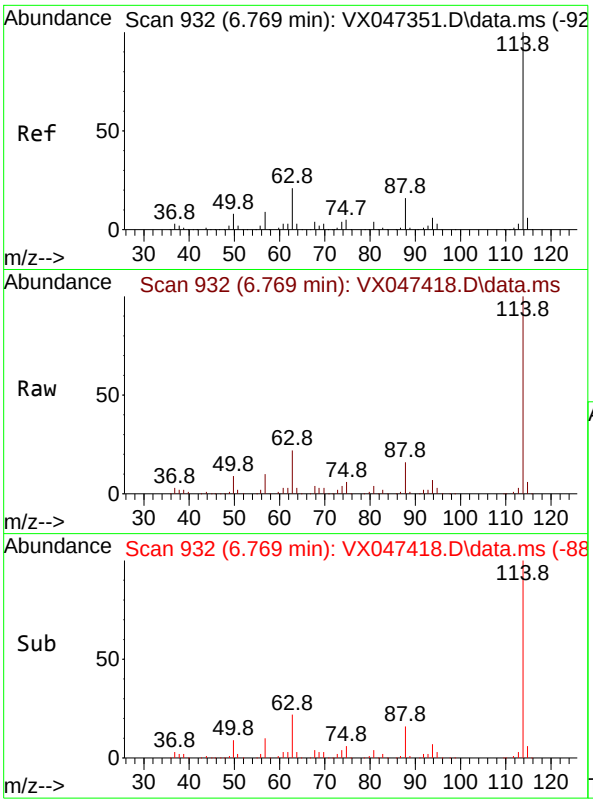


#33
1,2-Dichloroethane-d4
Concen: 58.564 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047418.D
Acq: 19 Aug 2025 17:18

Tgt Ion: 65 Resp: 167900

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	106.0



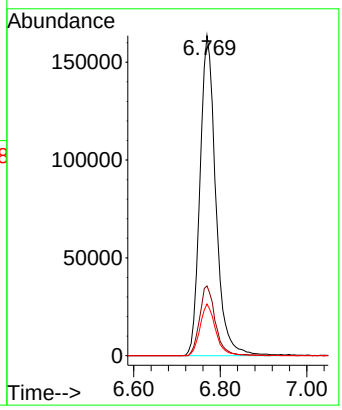


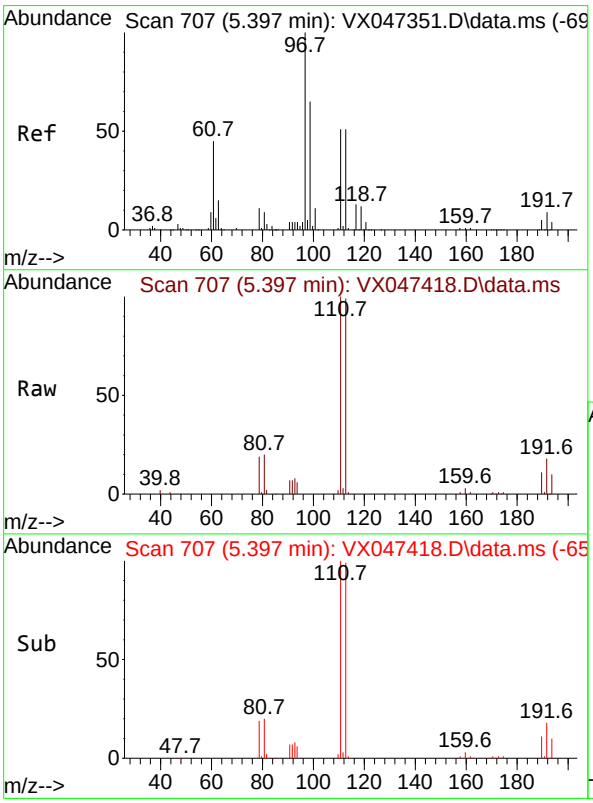
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047418.D
Acq: 19 Aug 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :
TB01-081325

Tgt Ion:114 Resp: 415100

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.4
88	16.2	0.0	33.0

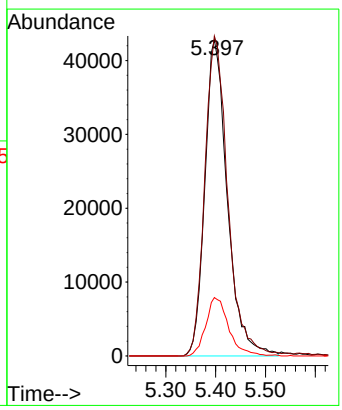


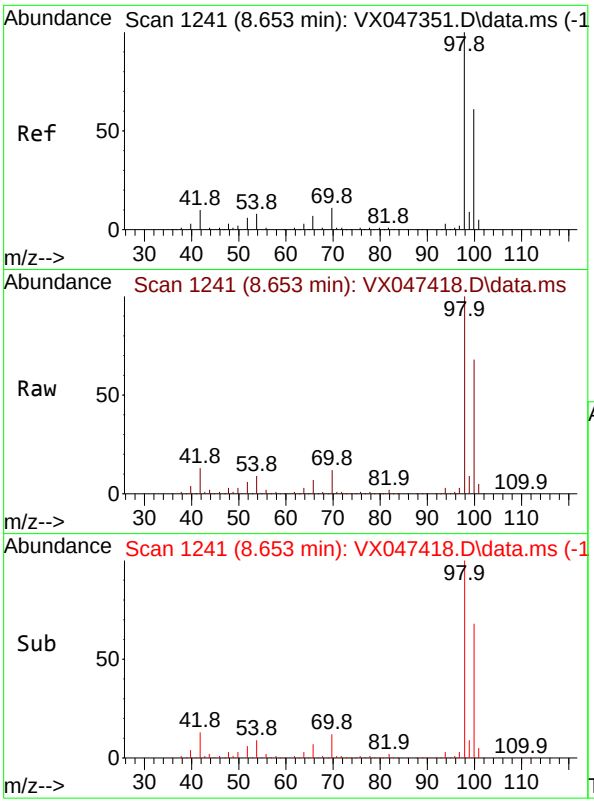


#35
Dibromofluoromethane
Concen: 49.776 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047418.D
Acq: 19 Aug 2025 17:18

Tgt Ion:113 Resp: 134098

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.2
192	18.8	14.1	21.1



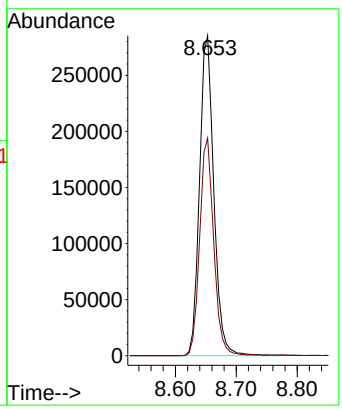


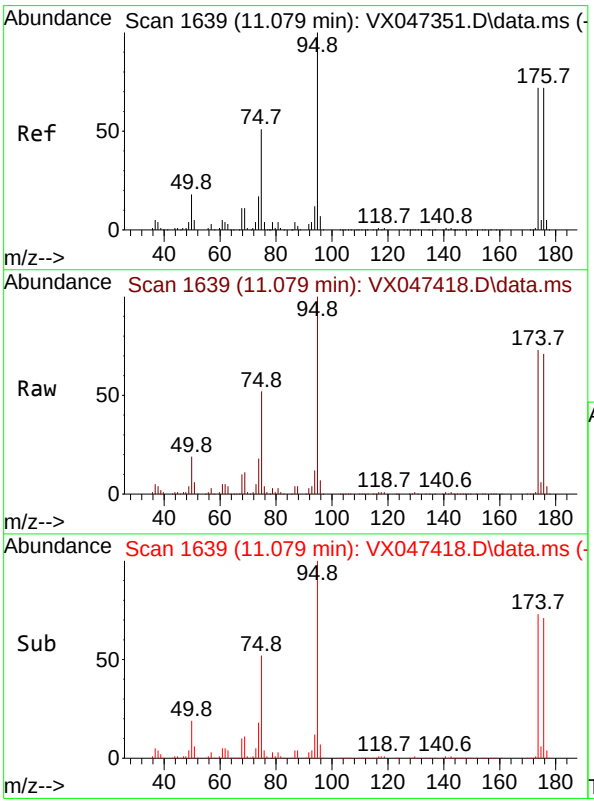
#50
Toluene-d8
Concen: 48.221 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047418.D
Acq: 19 Aug 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :
TB01-081325

Tgt Ion: 98 Resp: 464326

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.9	80.9

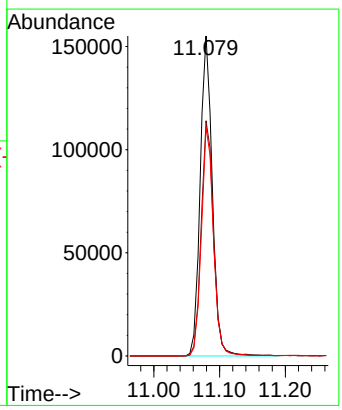




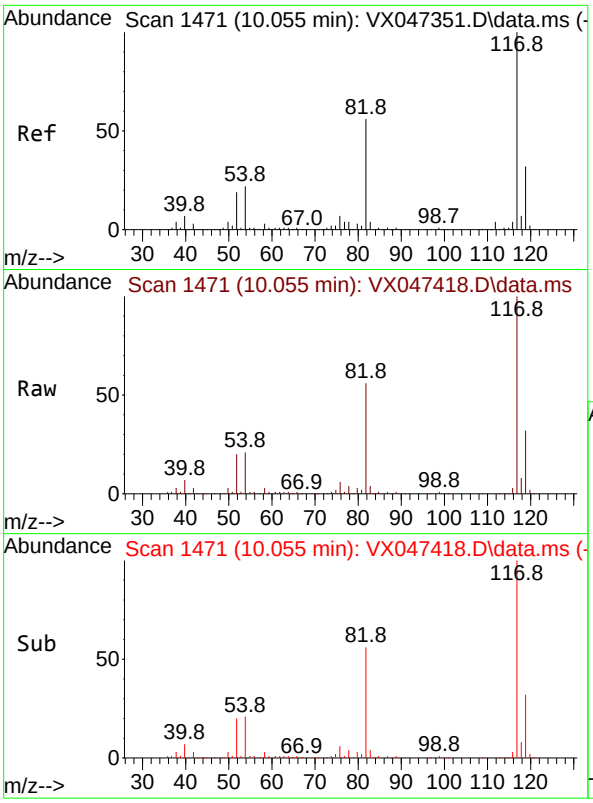
#62
4-Bromofluorobenzene
Concen: 55.835 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047418.D
Acq: 19 Aug 2025 17:18

Tgt Ion: 95 Resp: 198402

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	148.0
176	71.3	0.0	145.4



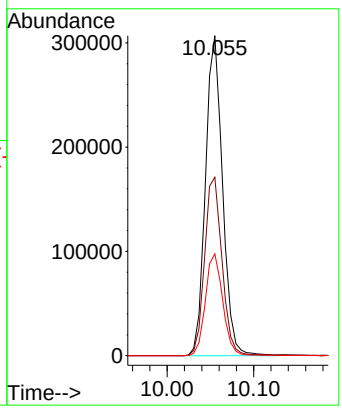
Instrument :
MSVOA_X
ClientSampleId :
TB01-081325

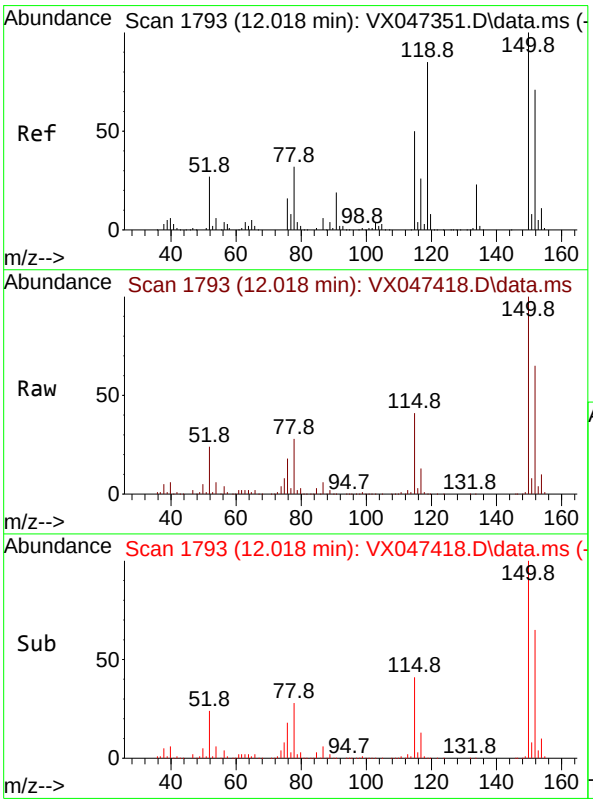


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047418.D
Acq: 19 Aug 2025 17:18

Tgt Ion:117 Resp: 420679

Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.0	67.4
119	31.8	25.8	38.8

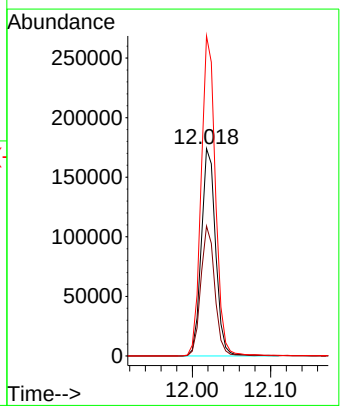




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047418.D
Acq: 19 Aug 2025 17:18

Tgt Ion:152 Resp: 219893

Ion	Ratio	Lower	Upper
152	100		
115	61.5	44.6	133.8
150	155.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047402.D
Acq On : 19 Aug 2025 10:55
Operator : JC/MD
Sample : VX0819WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

Quant Time: Aug 19 11:12:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	204625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	410508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	416324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	212865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	163941	57.246	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.500%			
35) Dibromofluoromethane	5.391	113	135590	50.893	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.780%			
50) Toluene-d8	8.647	98	471489	49.512	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.020%			
62) 4-Bromofluorobenzene	11.079	95	197272	56.138	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.280%			

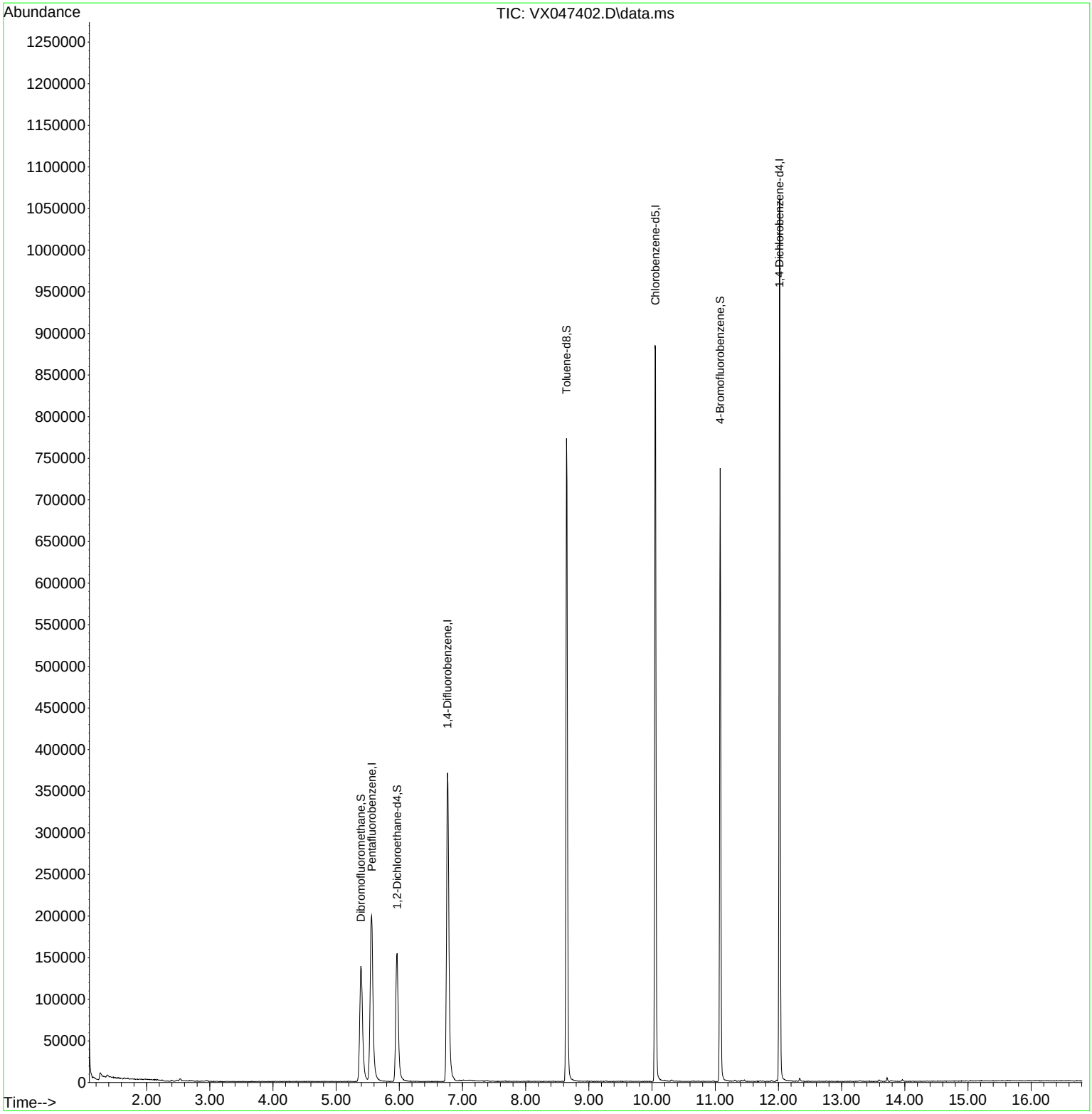
Target Compounds Qvalue

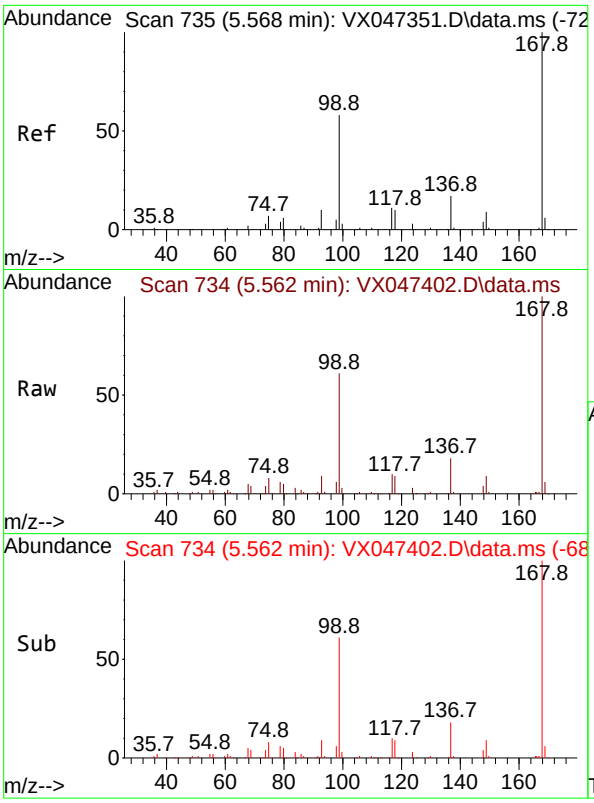
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047402.D
Acq On : 19 Aug 2025 10:55
Operator : JC/MD
Sample : VX0819WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

Quant Time: Aug 19 11:12:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



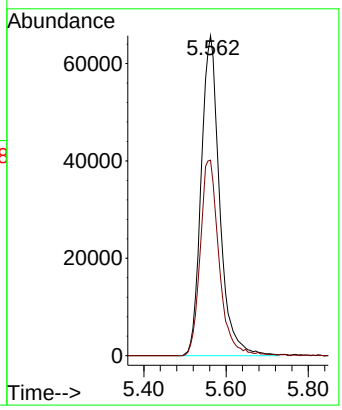


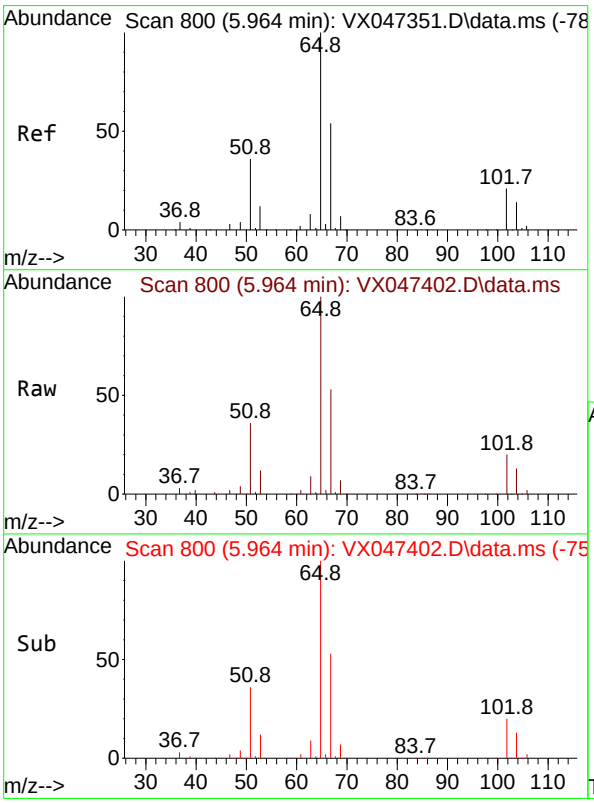
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

Tgt Ion:168 Resp: 204625

Ion	Ratio	Lower	Upper
168	100		
99	61.1	47.9	71.9

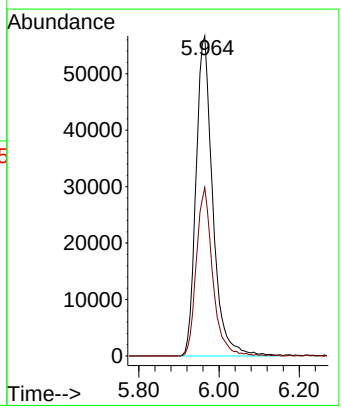


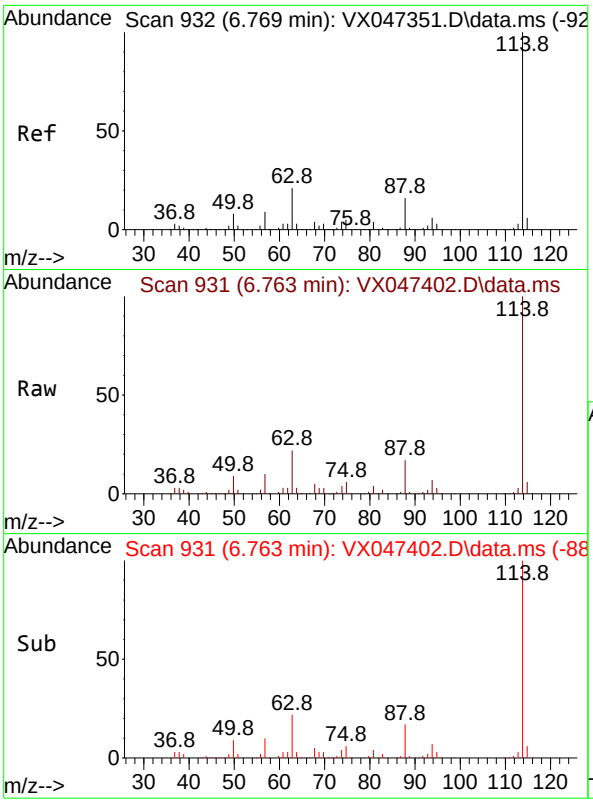


#33
1,2-Dichloroethane-d4
Concen: 57.246 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Tgt Ion: 65 Resp: 163941

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.0



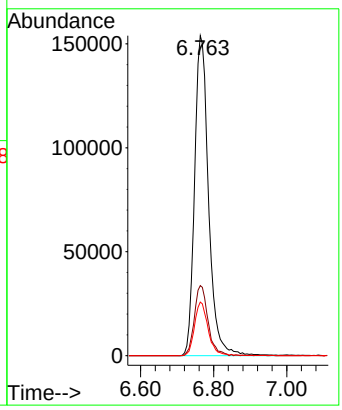


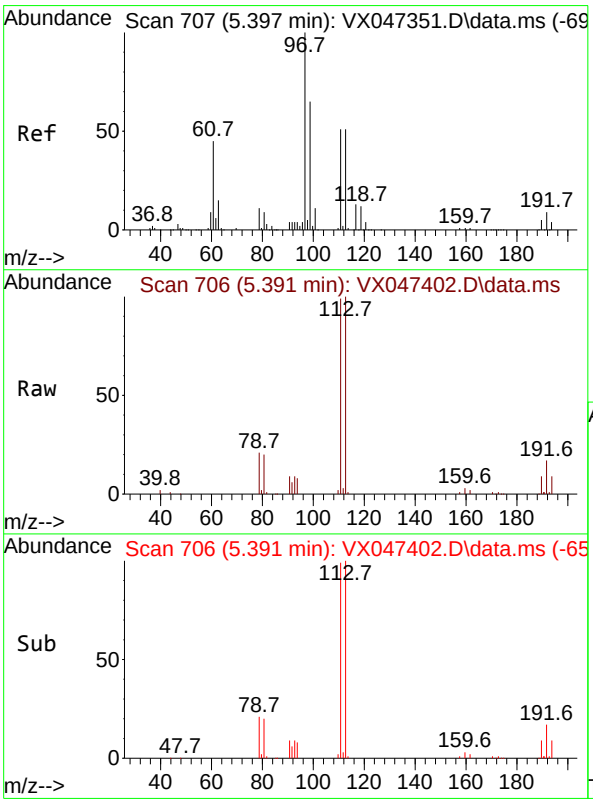
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

Tgt Ion:114 Resp: 410508

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	42.4
88	16.7	0.0	33.0

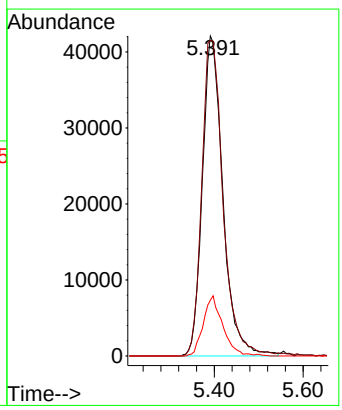


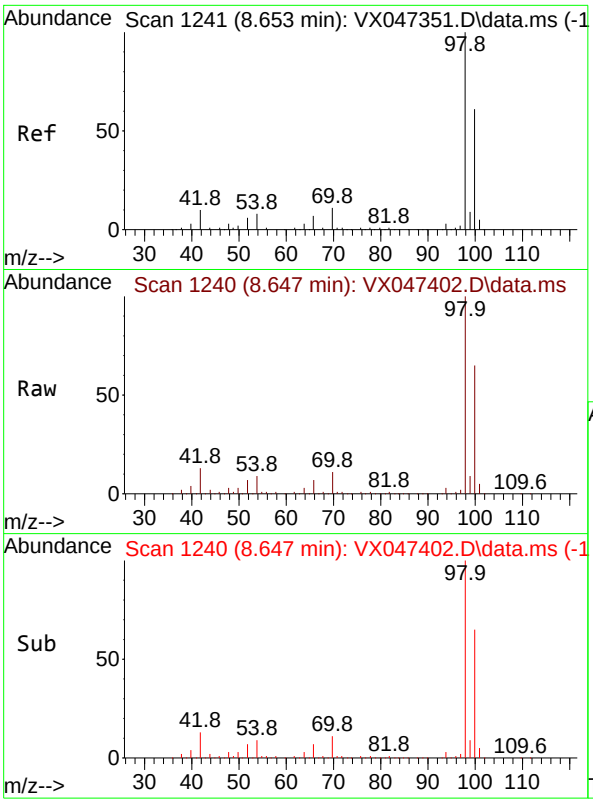


#35
Dibromofluoromethane
Concen: 50.893 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Tgt Ion:113 Resp: 135590

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.2
192	17.8	14.1	21.1



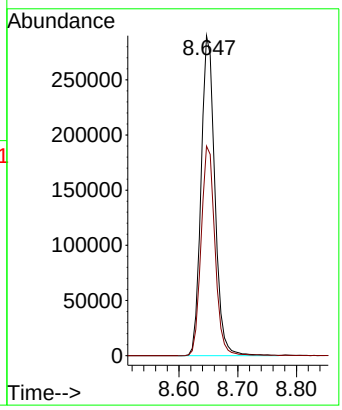


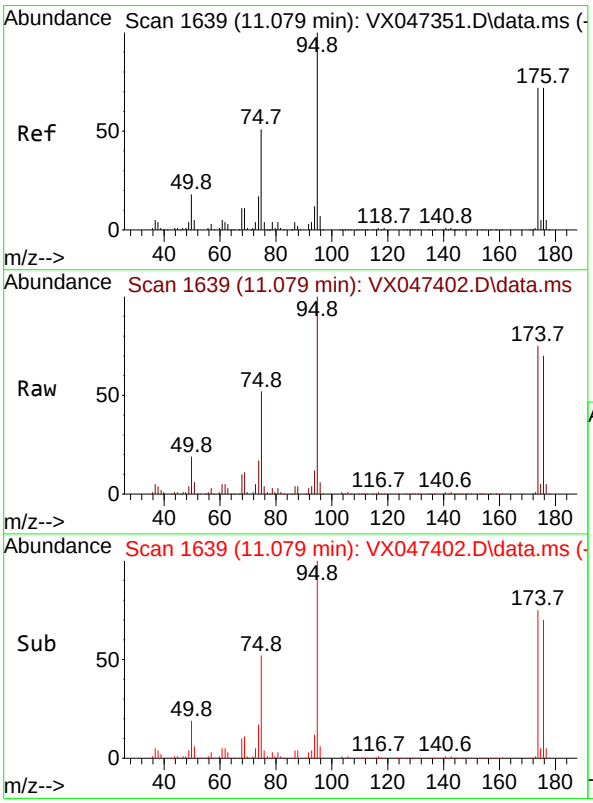
#50
Toluene-d8
Concen: 49.512 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

Tgt Ion: 98 Resp: 471489

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.9	80.9

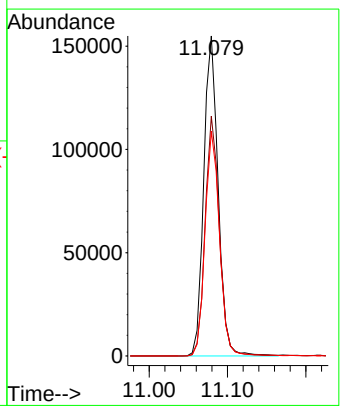


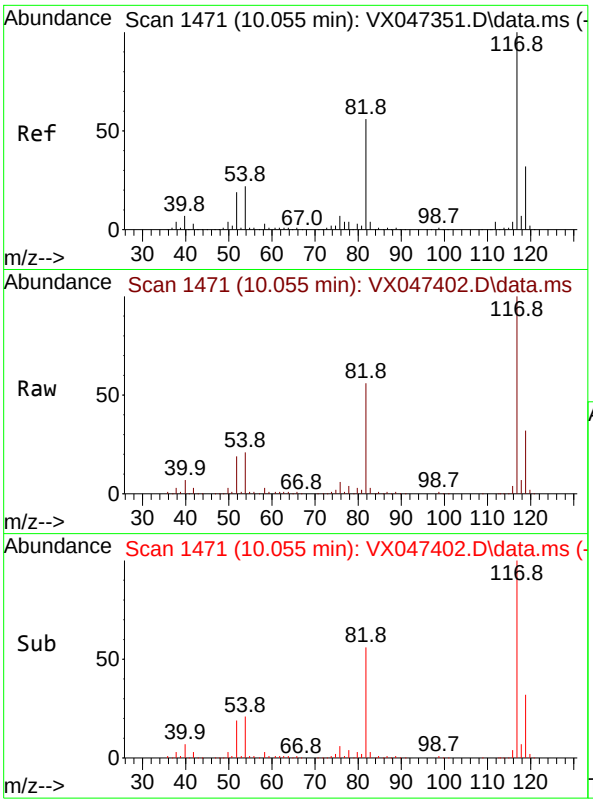


#62
4-Bromofluorobenzene
Concen: 56.138 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Tgt Ion: 95 Resp: 197272

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.0
176	70.8	0.0	145.4



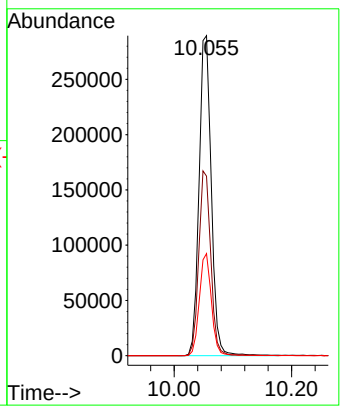


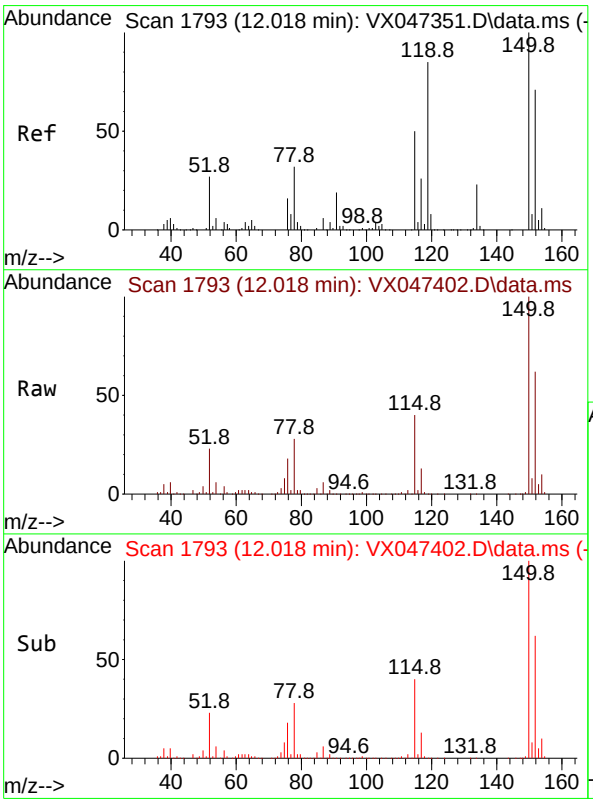
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

Tgt Ion:117 Resp: 416324

Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.0	67.4
119	31.9	25.8	38.8

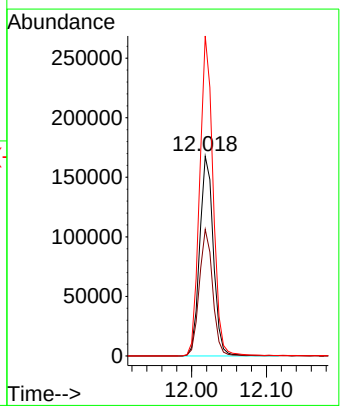




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Tgt Ion:152 Resp: 212865

Ion	Ratio	Lower	Upper
152	100		
115	61.9	44.6	133.8
150	156.7	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Quant Time: Aug 22 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	216518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	445927	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	448054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	231897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	173844	57.370	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.740%			
35) Dibromofluoromethane	5.397	113	141661	48.948	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.900%			
50) Toluene-d8	8.647	98	503800	48.703	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.400%			
62) 4-Bromofluorobenzene	11.079	95	212116	55.568	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.140%			

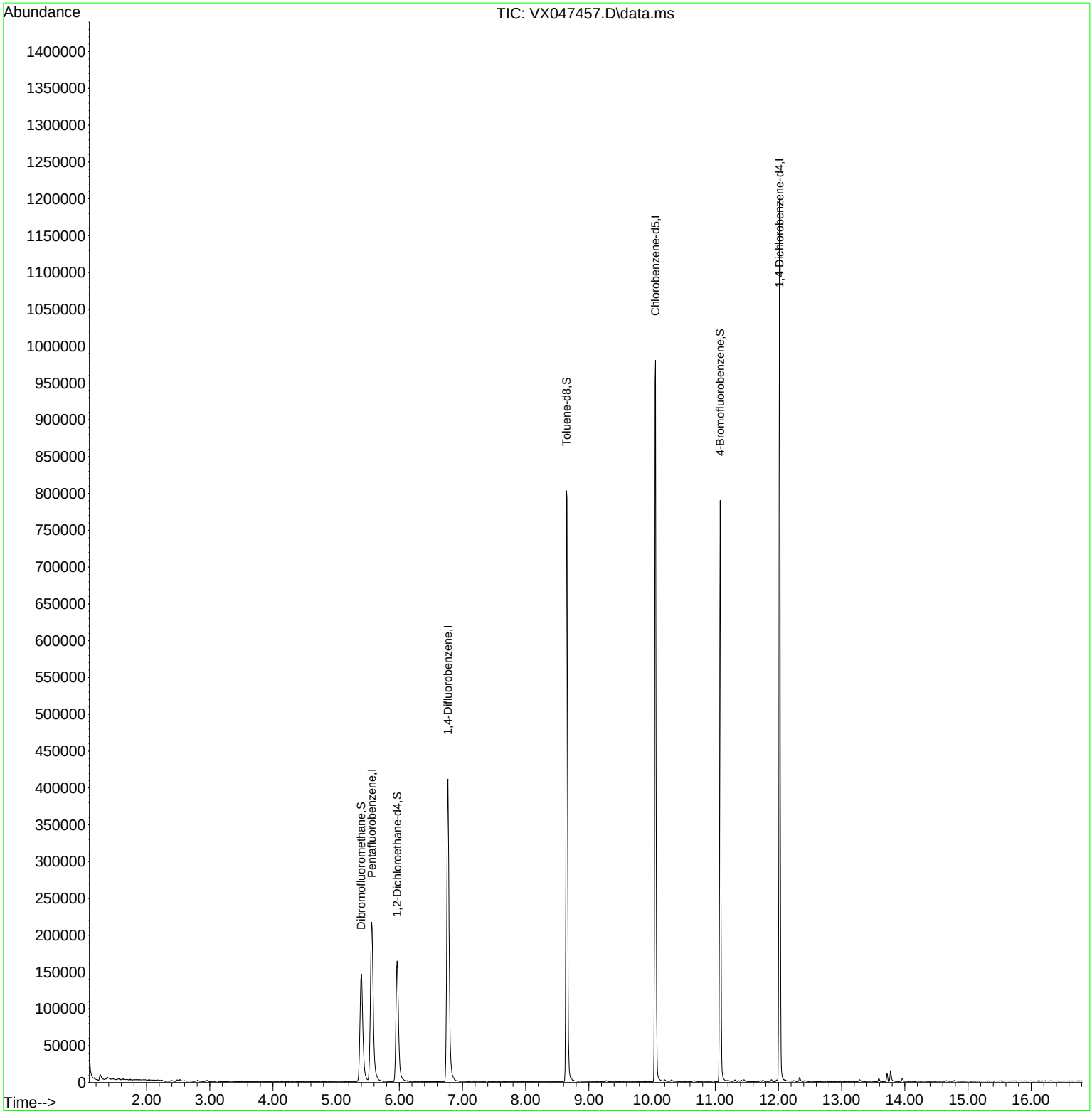
Target Compounds Qvalue

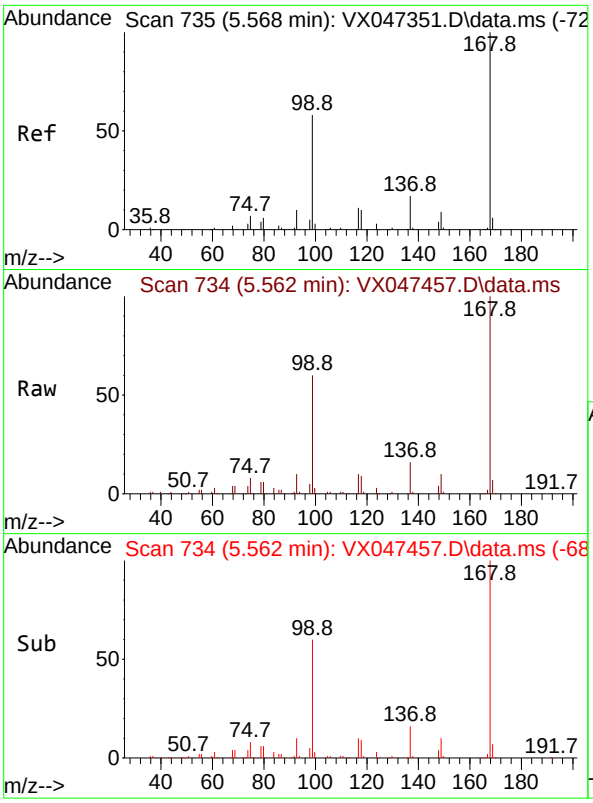
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Quant Time: Aug 22 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



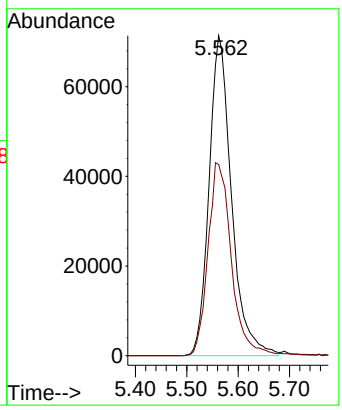


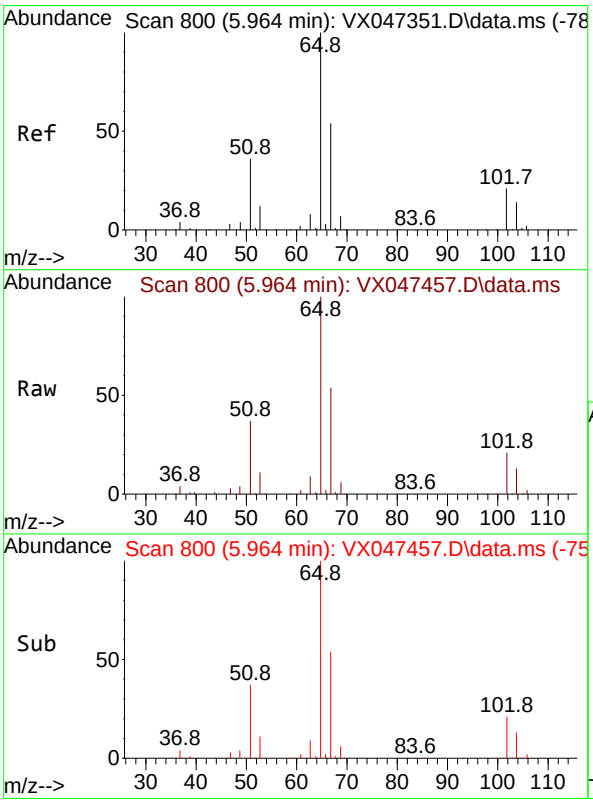
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tgt Ion:168 Resp: 216518

Ion	Ratio	Lower	Upper
168	100		
99	59.8	47.9	71.9

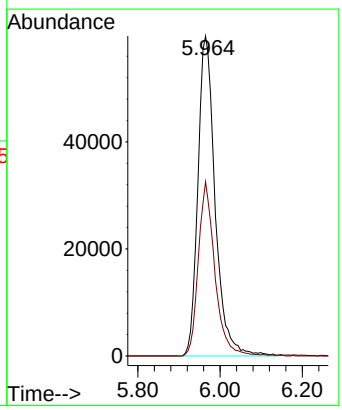


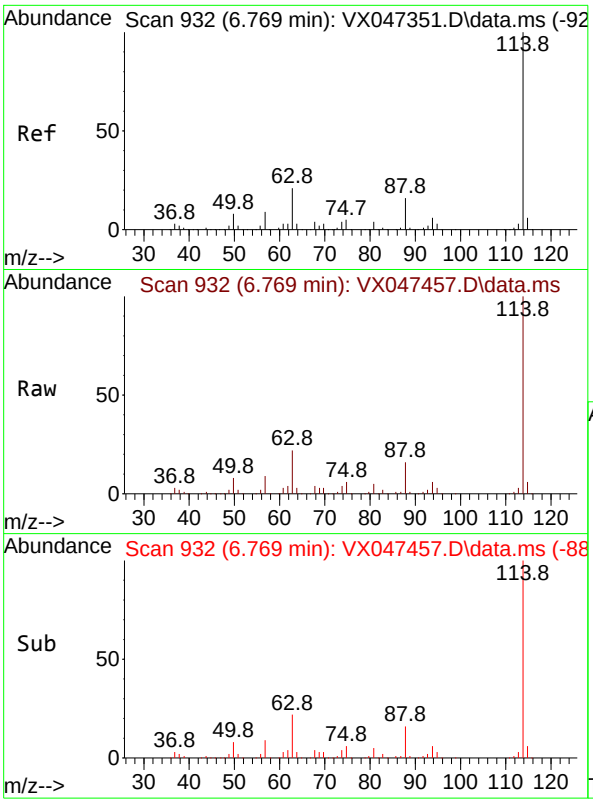


#33
1,2-Dichloroethane-d4
Concen: 57.370 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion: 65 Resp: 173844

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.0



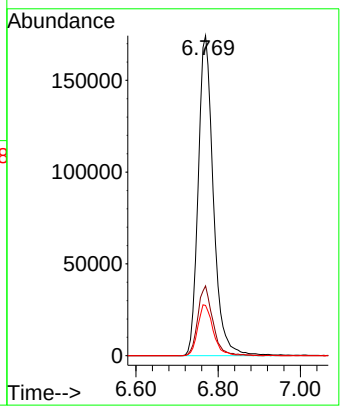


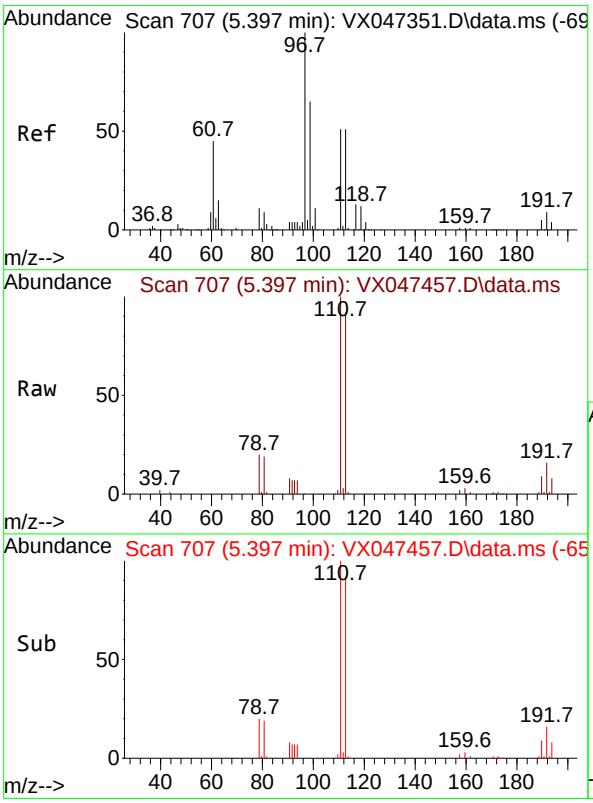
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tgt Ion:114 Resp: 445927

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.4
88	15.7	0.0	33.0

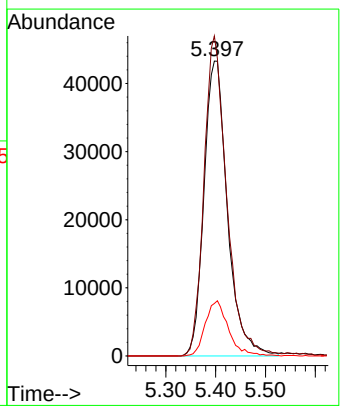


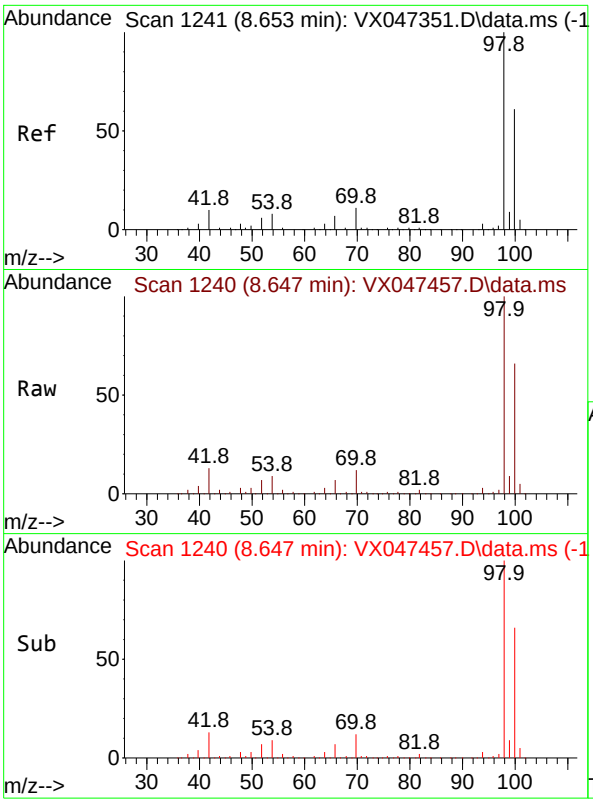


#35
Dibromofluoromethane
Concen: 48.948 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion:113 Resp: 141661

Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.4	122.2
192	18.4	14.1	21.1



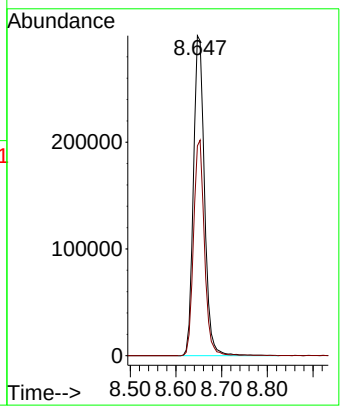


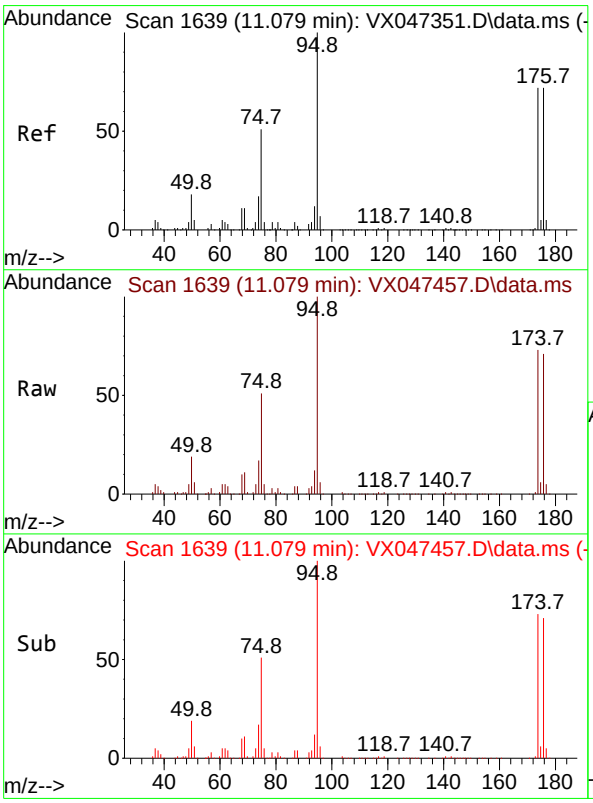
#50
Toluene-d8
Concen: 48.703 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tgt Ion: 98 Resp: 503800

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.9	80.9

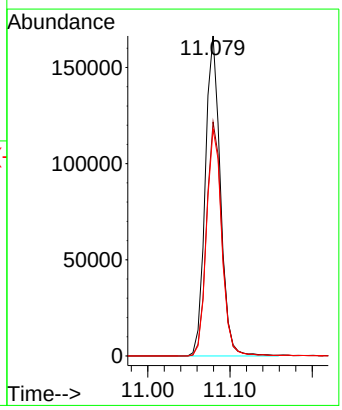


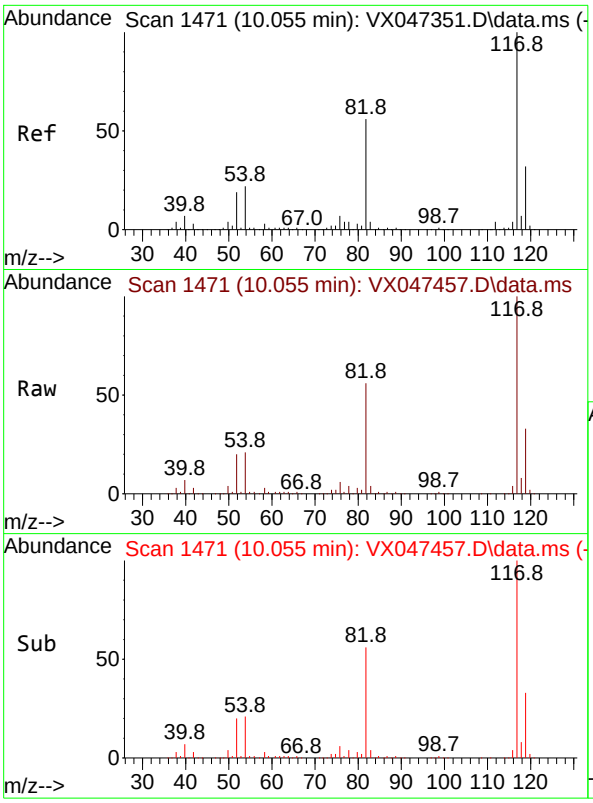


#62
4-Bromofluorobenzene
Concen: 55.568 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion: 95 Resp: 212116

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	148.0
176	71.7	0.0	145.4



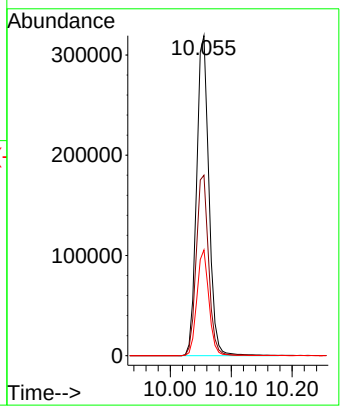


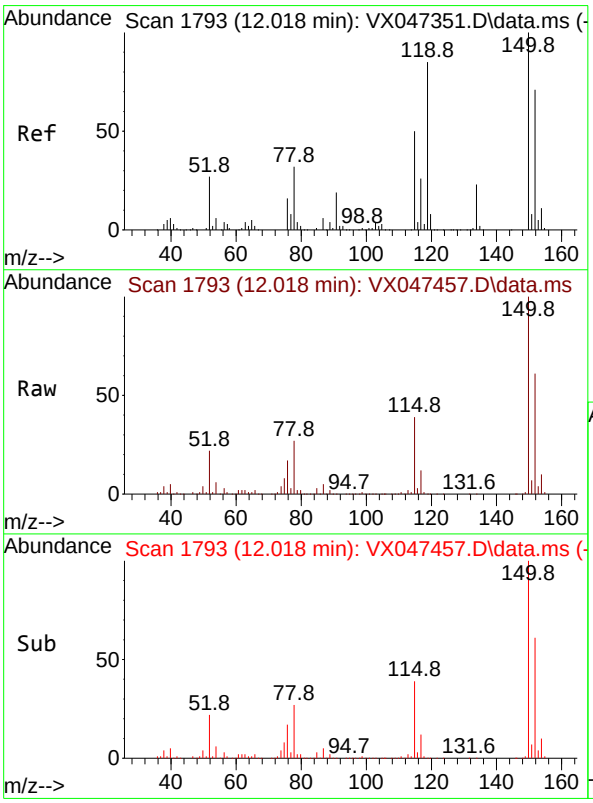
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tgt Ion:117 Resp: 448054

Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.0	67.4
119	33.1	25.8	38.8

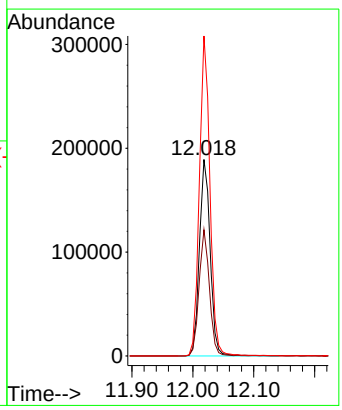




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion:152 Resp: 231897

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.6	133.8
150	159.9	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047403.D
Acq On : 19 Aug 2025 11:55
Operator : JC/MD
Sample : VX0819WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 19 12:13:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	225610	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	400778	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	370967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	189862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	171357	54.270	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.540%			
35) Dibromofluoromethane	5.391	113	135576	52.123	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.240%			
50) Toluene-d8	8.647	98	470012	50.555	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.120%			
62) 4-Bromofluorobenzene	11.079	95	181013	52.762	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	47669	16.575	ug/l	100
3) Chloromethane	1.313	50	44596	17.237	ug/l	98
4) Vinyl Chloride	1.392	62	53957	16.616	ug/l	98
5) Bromomethane	1.630	94	23833	18.170	ug/l	82
6) Chloroethane	1.709	64	34734	17.482	ug/l	98
7) Trichlorofluoromethane	1.904	101	78843	16.414	ug/l	94
8) Diethyl Ether	2.142	74	31787	18.794	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	46101	16.545	ug/l	99
10) Methyl Iodide	2.471	142	67548	14.146	ug/l	98
11) Tert butyl alcohol	2.959	59	27543	100.272	ug/l	99
12) 1,1-Dichloroethene	2.337	96	49153	17.304	ug/l	97
13) Acrolein	2.252	56	49678	85.675	ug/l	98
14) Allyl chloride	2.678	41	88890	18.017	ug/l	98
15) Acrylonitrile	3.081	53	129576	97.623	ug/l	99
16) Acetone	2.386	43	134660	113.461	ug/l	99
17) Carbon Disulfide	2.526	76	140642	16.407	ug/l	100
18) Methyl Acetate	2.715	43	59381	19.307	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	165987	19.208	ug/l	99
20) Methylene Chloride	2.800	84	59628	18.973	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	53480	17.738	ug/l	95
22) Diisopropyl ether	3.770	45	188286	19.306	ug/l	94
23) Vinyl Acetate	3.733	43	775713	97.042	ug/l	98
24) 1,1-Dichloroethane	3.623	63	102305	18.559	ug/l	97
25) 2-Butanone	4.562	43	164408	105.771	ug/l	98
26) 2,2-Dichloropropane	4.483	77	76816	18.463	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	65115	18.543	ug/l	99
28) Bromochloromethane	4.904	49	52508	22.891	ug/l	96
29) Tetrahydrofuran	5.019	42	97079	96.629	ug/l	96
30) Chloroform	5.099	83	106302	18.896	ug/l	97
31) Cyclohexane	5.477	56	84972	16.722	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	86840	17.934	ug/l	98
36) 1,1-Dichloropropene	5.702	75	69481	16.922	ug/l	99
37) Ethyl Acetate	4.715	43	70075	16.439	ug/l	96
38) Carbon Tetrachloride	5.684	117	75969	16.931	ug/l	98
39) Methylcyclohexane	7.385	83	77886	15.207	ug/l	97
40) Benzene	6.044	78	220693	17.957	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047403.D
Acq On : 19 Aug 2025 11:55
Operator : JC/MD
Sample : VX0819WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 19 12:13:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	35045	19.496	ug/l		92
42) 1,2-Dichloroethane	6.092	62	81344	18.686	ug/l		99
43) Isopropyl Acetate	6.348	43	110451	18.037	ug/l		99
44) Trichloroethene	7.129	130	54266	17.244	ug/l		99
45) 1,2-Dichloropropane	7.434	63	56455	18.336	ug/l		98
46) Dibromomethane	7.580	93	41245	18.452	ug/l		98
47) Bromodichloromethane	7.824	83	84911	18.324	ug/l		95
48) Methyl methacrylate	7.696	41	58149	18.294	ug/l		98
49) 1,4-Dioxane	7.690	88	11911	385.469	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	337359	95.733	ug/l		98
52) Toluene	8.720	92	137617	18.121	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	75672	18.711	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	85316	18.637	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	54306	18.834	ug/l		100
56) Ethyl methacrylate	9.116	69	76225	17.930	ug/l		96
57) 1,3-Dichloropropane	9.305	76	94506	19.235	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	194420	100.929	ug/l		98
59) 2-Hexanone	9.433	43	237159	97.292	ug/l		100
60) Dibromochloromethane	9.519	129	64471	18.814	ug/l		100
61) 1,2-Dibromoethane	9.610	107	55618	18.705	ug/l		99
64) Tetrachloroethene	9.269	164	44832	16.708	ug/l		98
65) Chlorobenzene	10.079	112	155025	17.585	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	53110	17.822	ug/l		99
67) Ethyl Benzene	10.189	91	259370	17.094	ug/l		99
68) m/p-Xylenes	10.299	106	198745	35.129	ug/l		100
69) o-Xylene	10.640	106	95777	17.591	ug/l		99
70) Styrene	10.653	104	168799	18.349	ug/l		99
71) Bromoform	10.799	173	40177	17.946	ug/l	#	99
73) Isopropylbenzene	10.957	105	247370	16.649	ug/l		100
74) N-amyl acetate	10.842	43	100954	17.893	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	78682	18.037	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	57347m	16.468	ug/l		
77) Bromobenzene	11.195	156	63986	17.636	ug/l		98
78) n-propylbenzene	11.299	91	295566	16.657	ug/l		100
79) 2-Chlorotoluene	11.360	91	182492	17.013	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	206597	16.900	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	10138	18.529	ug/l		97
82) 4-Chlorotoluene	11.451	91	216373	17.112	ug/l		100
83) tert-Butylbenzene	11.713	119	203328	16.671	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	214157	17.518	ug/l		100
85) sec-Butylbenzene	11.890	105	254977	16.867	ug/l		100
86) p-Isopropyltoluene	12.006	119	214549	16.772	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	118907	17.156	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	122086	17.126	ug/l		99
89) n-Butylbenzene	12.329	91	197431	16.594	ug/l		99
90) Hexachloroethane	12.536	117	35860	15.980	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	115308	17.527	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14165	16.791	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	73210	16.600	ug/l		99
94) Hexachlorobutadiene	13.719	225	25313	16.124	ug/l		98
95) Naphthalene	13.774	128	217150	17.229	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	71038	17.088	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047403.D
Acq On : 19 Aug 2025 11:55
Operator : JC/MD
Sample : VX0819WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 19 12:13:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

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

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

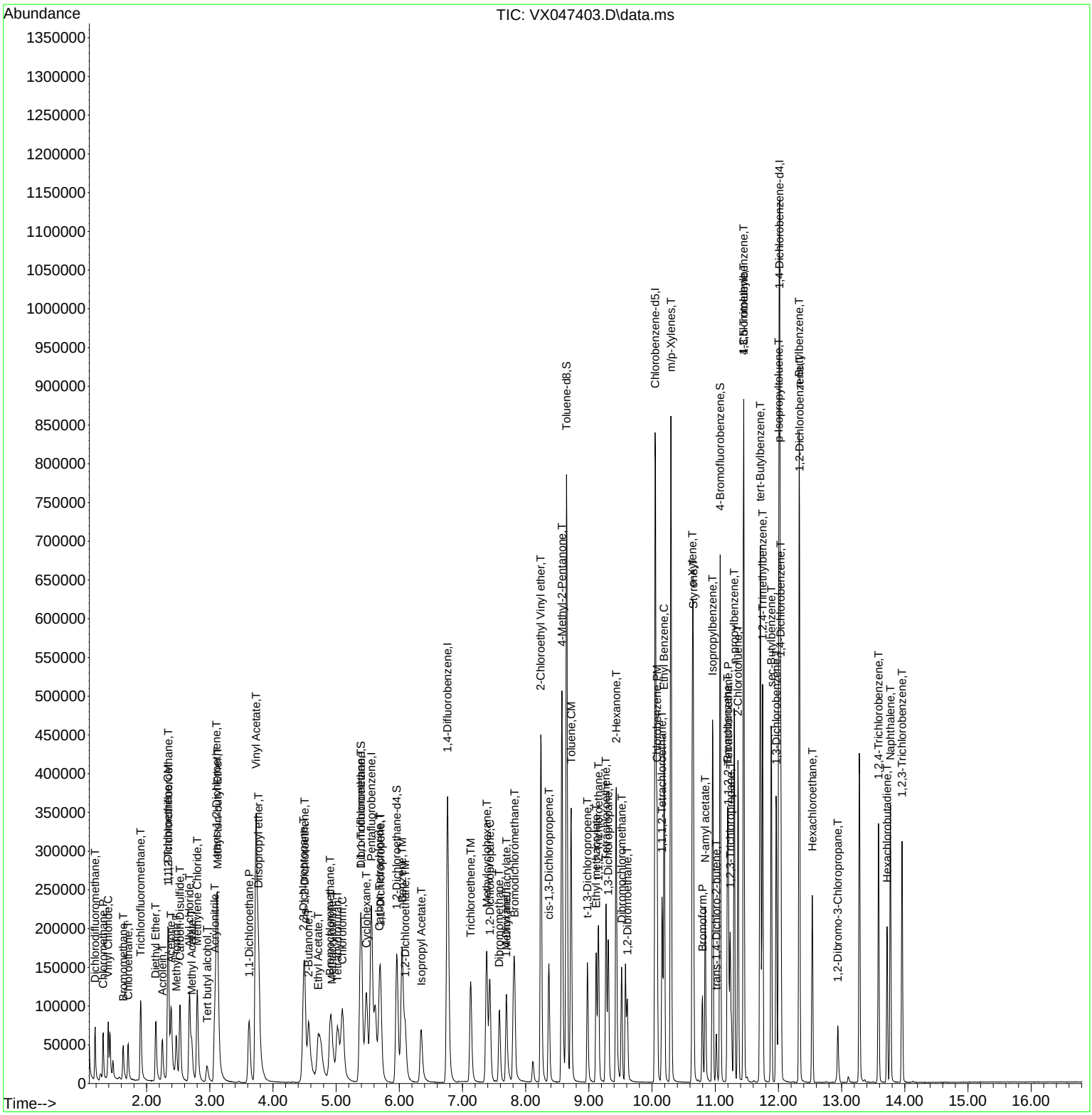
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047403.D
Acq On : 19 Aug 2025 11:55
Operator : JC/MD
Sample : VX0819WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 19 12:13:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047467.D
Acq On : 21 Aug 2025 14:07
Operator : JC/MD
Sample : VX0821WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS02

Manual Integrations APPROVED
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	219757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	395822	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	370697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	193487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176124	57.266	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.540%			
35) Dibromofluoromethane	5.397	113	132673	51.645	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.300%			
50) Toluene-d8	8.653	98	460935	50.200	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.400%			
62) 4-Bromofluorobenzene	11.079	95	188500	55.632	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	52136	18.611	ug/l	96
3) Chloromethane	1.313	50	49473	19.631	ug/l	99
4) Vinyl Chloride	1.392	62	61123	19.324	ug/l	100
5) Bromomethane	1.630	94	25522	19.976	ug/l	97
6) Chloroethane	1.709	64	39889	20.611	ug/l	100
7) Trichlorofluoromethane	1.904	101	91456	19.547	ug/l	99
8) Diethyl Ether	2.148	74	36285	22.025	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	53527	19.722	ug/l	98
10) Methyl Iodide	2.471	142	67680	14.551	ug/l	99
11) Tert butyl alcohol	2.959	59	30845	115.284	ug/l	99
12) 1,1-Dichloroethene	2.337	96	55363	20.009	ug/l	98
13) Acrolein	2.251	56	59011	104.481	ug/l	98
14) Allyl chloride	2.678	41	99967	20.801	ug/l	99
15) Acrylonitrile	3.081	53	143612	111.079	ug/l	99
16) Acetone	2.392	43	118906	102.856	ug/l	96
17) Carbon Disulfide	2.526	76	149558	17.912	ug/l	100
18) Methyl Acetate	2.715	43	72122	24.075	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	186862	22.199	ug/l	99
20) Methylene Chloride	2.806	84	67266	21.974	ug/l	94
21) trans-1,2-Dichloroethene	3.105	96	60380	20.560	ug/l	98
22) Diisopropyl ether	3.769	45	221856	23.355	ug/l	85
23) Vinyl Acetate	3.733	43	864017	110.968	ug/l	100
24) 1,1-Dichloroethane	3.623	63	117074	21.804	ug/l	98
25) 2-Butanone	4.574	43	178447	117.861	ug/l	99
26) 2,2-Dichloropropane	4.495	77	80184	19.786	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	74958	21.915	ug/l	98
28) Bromochloromethane	4.916	49	55023	24.626	ug/l	100
29) Tetrahydrofuran	5.031	42	108635	111.012	ug/l	98
30) Chloroform	5.105	83	123736	22.580	ug/l	94
31) Cyclohexane	5.483	56	97308	19.660	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	97000	20.565	ug/l	98
36) 1,1-Dichloropropene	5.708	75	80408	19.828	ug/l	99
37) Ethyl Acetate	4.727	43	77407	18.387	ug/l	98
38) Carbon Tetrachloride	5.696	117	86344	19.484	ug/l	95
39) Methylcyclohexane	7.385	83	89674	17.728	ug/l	90
40) Benzene	6.050	78	250369	20.627	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047467.D
Acq On : 21 Aug 2025 14:07
Operator : JC/MD
Sample : VX0821WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS02

Manual Integrations APPROVED
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	40042	22.555	ug/l		92
42) 1,2-Dichloroethane	6.098	62	92470	21.507	ug/l		100
43) Isopropyl Acetate	6.348	43	125855	20.809	ug/l		100
44) Trichloroethene	7.135	130	62561	20.129	ug/l		99
45) 1,2-Dichloropropane	7.433	63	64285	21.141	ug/l		100
46) Dibromomethane	7.586	93	45974	20.825	ug/l		99
47) Bromodichloromethane	7.824	83	95100	20.779	ug/l		100
48) Methyl methacrylate	7.696	41	66527	21.192	ug/l		97
49) 1,4-Dioxane	7.690	88	11979	392.523	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	381590	109.641	ug/l		97
52) Toluene	8.720	92	157838	21.044	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	83536	20.914	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	95182	21.053	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	62404	21.913	ug/l		99
56) Ethyl methacrylate	9.116	69	89883	21.408	ug/l		98
57) 1,3-Dichloropropane	9.311	76	106790	22.007	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.244	63	184544	97.327	ug/l		99
59) 2-Hexanone	9.433	43	254945	105.899	ug/l		100
60) Dibromochloromethane	9.518	129	71992	21.272	ug/l		99
61) 1,2-Dibromoethane	9.610	107	61680	21.004	ug/l		99
64) Tetrachloroethene	9.275	164	48854	18.220	ug/l		95
65) Chlorobenzene	10.079	112	175397	19.911	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.165	131	60389	20.279	ug/l		98
67) Ethyl Benzene	10.195	91	298088	19.660	ug/l		98
68) m/p-Xylenes	10.299	106	227285	40.202	ug/l		99
69) o-Xylene	10.640	106	111463	20.487	ug/l		98
70) Styrene	10.652	104	191132	20.792	ug/l		100
71) Bromoform	10.799	173	45830	20.486	ug/l	#	97
73) Isopropylbenzene	10.963	105	285672	18.867	ug/l		100
74) N-amyl acetate	10.841	43	109541	19.051	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	88882	19.993	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	68907m	19.417	ug/l		
77) Bromobenzene	11.195	156	71647	19.378	ug/l		99
78) n-propylbenzene	11.305	91	337183	18.646	ug/l		99
79) 2-Chlorotoluene	11.366	91	209103	19.128	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	235770	18.925	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	11188	19.413	ug/l		89
82) 4-Chlorotoluene	11.451	91	244430	18.969	ug/l		100
83) tert-Butylbenzene	11.713	119	235583	18.954	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	240110	19.273	ug/l		99
85) sec-Butylbenzene	11.890	105	288712	18.741	ug/l		100
86) p-Isopropyltoluene	12.006	119	244146	18.728	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	132909	18.817	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	134397	18.500	ug/l		98
89) n-Butylbenzene	12.329	91	222499	18.350	ug/l		99
90) Hexachloroethane	12.536	117	41201	18.016	ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	128956	19.235	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16504	19.197	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	81841	18.209	ug/l		99
94) Hexachlorobutadiene	13.725	225	27303	17.066	ug/l		97
95) Naphthalene	13.774	128	261329	20.346	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	77394	18.268	ug/l		100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047467.D
Acq On : 21 Aug 2025 14:07
Operator : JC/MD
Sample : VX0821WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

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

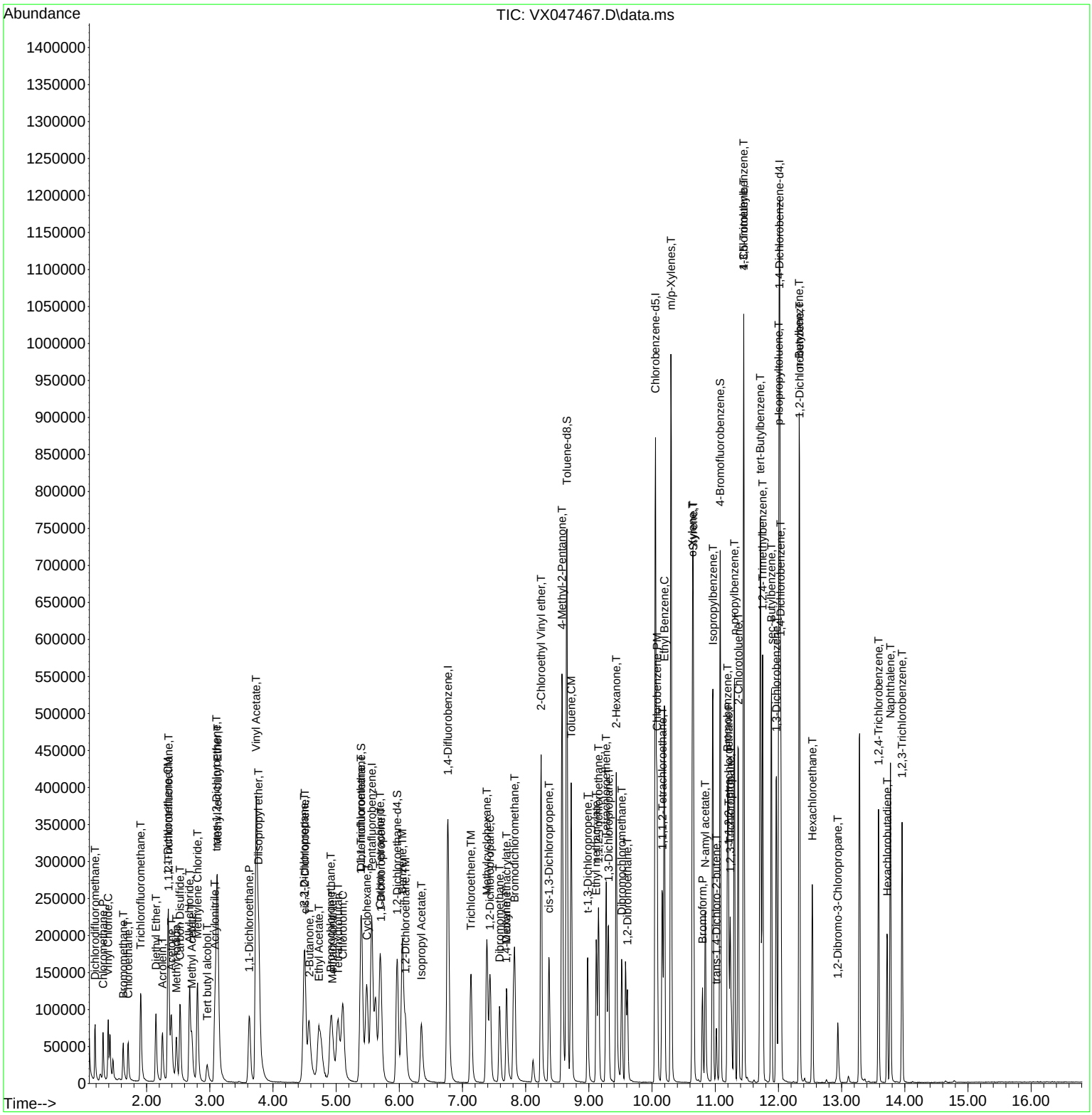
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047467.D
Acq On : 21 Aug 2025 14:07
Operator : JC/MD
Sample : VX0821WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS02

Manual Integrations APPROVED
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047405.D
Acq On : 19 Aug 2025 12:37
Operator : JC/MD
Sample : VX0819WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 19 12:54:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	228746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	395063	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	371284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	189413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	173401	54.165	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.320%			
35) Dibromofluoromethane	5.397	113	133228	51.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.920%			
50) Toluene-d8	8.653	98	464961	50.736	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.480%			
62) 4-Bromofluorobenzene	11.079	95	181529	53.678	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	48167	16.518	ug/l	99
3) Chloromethane	1.313	50	47416	18.076	ug/l	95
4) Vinyl Chloride	1.392	62	54098	16.431	ug/l #	64
5) Bromomethane	1.630	94	18415	13.847	ug/l	98
6) Chloroethane	1.709	64	40053	19.883	ug/l	99
7) Trichlorofluoromethane	1.904	101	79190	16.260	ug/l	94
8) Diethyl Ether	2.148	74	31587	18.420	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	47865	16.943	ug/l	100
10) Methyl Iodide	2.471	142	60898	12.579	ug/l	96
11) Tert butyl alcohol	2.965	59	30718	110.297	ug/l	98
12) 1,1-Dichloroethene	2.337	96	47603	16.528	ug/l	95
13) Acrolein	2.251	56	49016	83.374	ug/l	99
14) Allyl chloride	2.678	41	86456	17.283	ug/l	99
15) Acrylonitrile	3.081	53	131580	97.773	ug/l	98
16) Acetone	2.392	43	118674	98.621	ug/l	96
17) Carbon Disulfide	2.532	76	143093	16.465	ug/l	99
18) Methyl Acetate	2.715	43	63853	20.477	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	165202	18.855	ug/l	95
20) Methylene Chloride	2.806	84	58414	18.332	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	52164	17.065	ug/l	95
22) Diisopropyl ether	3.776	45	185604	18.771	ug/l	97
23) Vinyl Acetate	3.739	43	769207	94.909	ug/l	99
24) 1,1-Dichloroethane	3.629	63	100080	17.907	ug/l	97
25) 2-Butanone	4.568	43	160156	101.623	ug/l	99
26) 2,2-Dichloropropane	4.495	77	72356	17.153	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	63332	17.788	ug/l	100
28) Bromochloromethane	4.916	49	50702	21.801	ug/l	98
29) Tetrahydrofuran	5.025	42	102951	101.069	ug/l	98
30) Chloroform	5.105	83	104850	18.382	ug/l	97
31) Cyclohexane	5.483	56	81758	15.869	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	86106	17.538	ug/l	99
36) 1,1-Dichloropropene	5.708	75	66551	16.443	ug/l	98
37) Ethyl Acetate	4.727	43	75546	17.979	ug/l	98
38) Carbon Tetrachloride	5.690	117	75099	16.979	ug/l	98
39) Methylcyclohexane	7.385	83	80376	15.920	ug/l	96
40) Benzene	6.050	78	213254	17.603	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047405.D
Acq On : 19 Aug 2025 12:37
Operator : JC/MD
Sample : VX0819WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 19 12:54:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.946	41	33732	19.037	ug/l		98
42) 1,2-Dichloroethane	6.098	62	81377	18.964	ug/l		99
43) Isopropyl Acetate	6.348	43	116749	19.341	ug/l		99
44) Trichloroethene	7.135	130	53112	17.122	ug/l		99
45) 1,2-Dichloropropane	7.433	63	55453	18.271	ug/l		99
46) Dibromomethane	7.586	93	41218	18.707	ug/l		98
47) Bromodichloromethane	7.824	83	82785	18.123	ug/l		96
48) Methyl methacrylate	7.696	41	59306	18.928	ug/l		98
49) 1,4-Dioxane	7.683	88	12842	421.610	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	351322	101.138	ug/l		98
52) Toluene	8.720	92	135282	18.071	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	74320	18.642	ug/l		99
54) cis-1,3-Dichloropropene	8.372	75	82154	18.206	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	54565	19.197	ug/l		98
56) Ethyl methacrylate	9.116	69	80828	19.288	ug/l		98
57) 1,3-Dichloropropane	9.311	76	92722	19.145	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	190782	100.511	ug/l		100
59) 2-Hexanone	9.433	43	241137	100.355	ug/l		97
60) Dibromochloromethane	9.518	129	62976	18.644	ug/l		99
61) 1,2-Dibromoethane	9.610	107	56725	19.354	ug/l		96
64) Tetrachloroethene	9.275	164	44006	16.386	ug/l		98
65) Chlorobenzene	10.079	112	150949	17.108	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	51594	17.298	ug/l		99
67) Ethyl Benzene	10.195	91	255830	16.847	ug/l		100
68) m/p-Xylenes	10.299	106	194493	34.348	ug/l		98
69) o-Xylene	10.640	106	92973	17.062	ug/l		100
70) Styrene	10.652	104	162232	17.620	ug/l		100
71) Bromoform	10.799	173	40831	18.222	ug/l	#	98
73) Isopropylbenzene	10.963	105	244270	16.480	ug/l		99
74) N-amyl acetate	10.841	43	100184	17.799	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	79781	18.332	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	59679m	17.179	ug/l		
77) Bromobenzene	11.195	156	63251	17.475	ug/l		97
78) n-propylbenzene	11.305	91	293555	16.583	ug/l		100
79) 2-Chlorotoluene	11.360	91	179419	16.766	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	206343	16.919	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9694	18.086	ug/l		93
82) 4-Chlorotoluene	11.451	91	212416	16.839	ug/l		100
83) tert-Butylbenzene	11.713	119	203047	16.688	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	208526	17.098	ug/l		99
85) sec-Butylbenzene	11.890	105	251738	16.692	ug/l		100
86) p-Isopropyltoluene	12.006	119	213521	16.732	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	118575	17.148	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	118652	16.684	ug/l		98
89) n-Butylbenzene	12.329	91	197278	16.620	ug/l		100
90) Hexachloroethane	12.536	117	36224	16.180	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	113288	17.261	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14730	17.502	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	72411	16.457	ug/l		99
94) Hexachlorobutadiene	13.719	225	25996	16.599	ug/l		97
95) Naphthalene	13.774	128	219869	17.486	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	71446	17.227	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047405.D
Acq On : 19 Aug 2025 12:37
Operator : JC/MD
Sample : VX0819WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 19 12:54:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

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

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

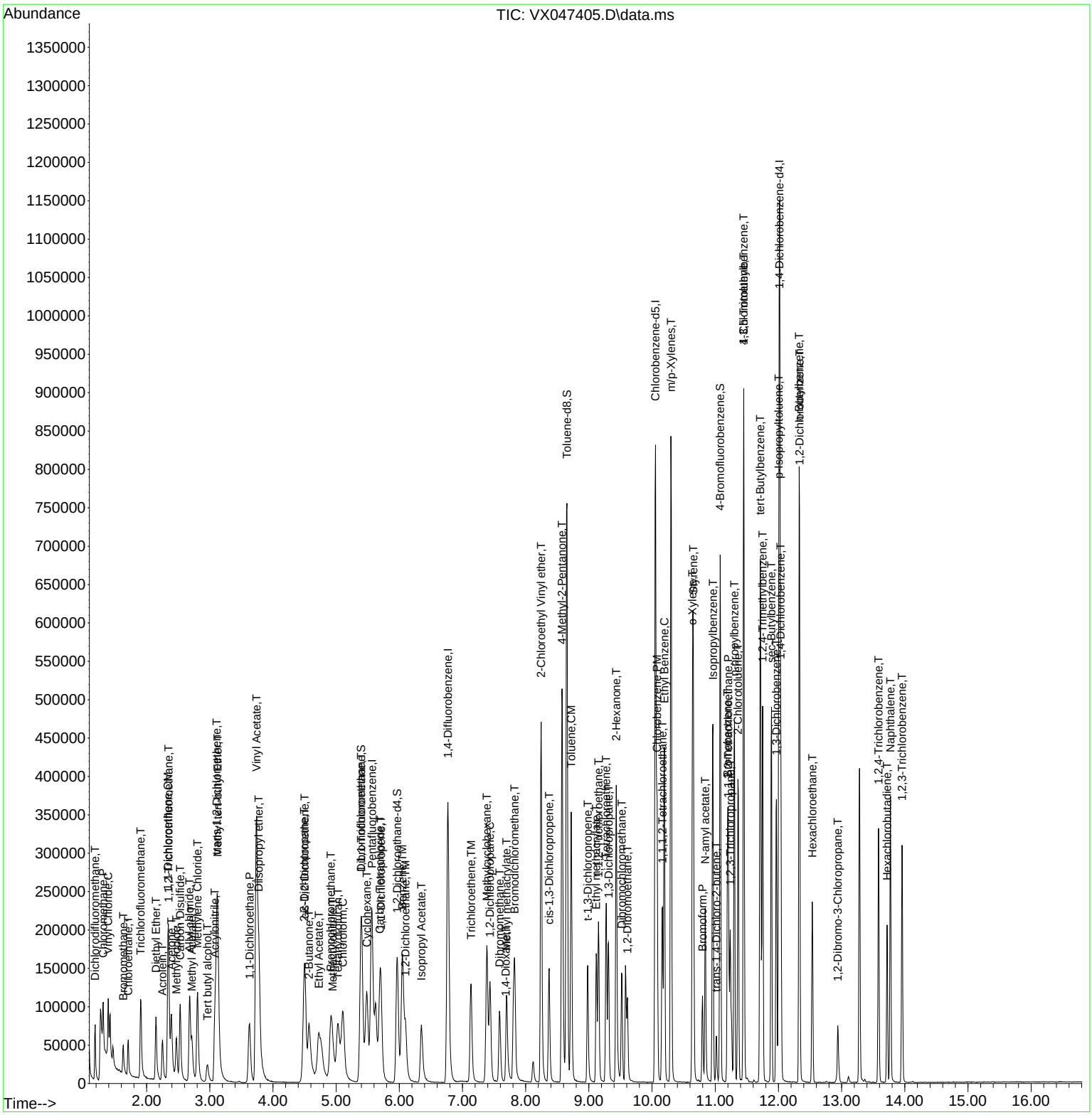
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047405.D
Acq On : 19 Aug 2025 12:37
Operator : JC/MD
Sample : VX0819WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 19 12:54:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



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Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX047349.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	1,4-Dioxane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	Tetrahydrofuran	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,4-Dioxane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICCC050	VX047351.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:42:59 AM	MMDadoda	8/19/2025 1:41:07 AM	Peak Integrated by Software
VSTDICC100	VX047352.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:03 AM	MMDadoda	8/19/2025 1:41:08 AM	Peak Integrated by Software
VSTDICC150	VX047353.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:07 AM	MMDadoda	8/19/2025 1:41:10 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dichlorobenzene	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dioxane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Allyl chloride	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Ethyl Acetate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047356.D	Methacrylonitrile	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Methyl methacrylate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Tetrahydrofuran	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,4-Dioxane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDCCC050	VX047369.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:44 AM	MMDadoda	8/19/2025 1:41:35 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX081925	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047400.D	1,2,3-Trichloropropane	JOHN	8/20/2025 8:36:13 AM	MMDadoda	8/20/2025 8:57:32 AM	Peak Integrated by Software
VX0819WBS01	VX047403.D	1,2,3-Trichloropropane	JOHN	8/20/2025 8:36:18 AM	MMDadoda	8/20/2025 8:57:35 AM	Peak Integrated by Software
VX0819WBSD01	VX047405.D	1,2,3-Trichloropropane	JOHN	8/20/2025 8:36:23 AM	MMDadoda	8/20/2025 8:57:36 AM	Peak Integrated by Software
VSTDCCC050	VX047425.D	1,2,3-Trichloropropane	JOHN	8/20/2025 8:36:41 AM	MMDadoda	8/20/2025 8:57:39 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	Vx082125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047455.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:18:39 AM	MMDadoda	8/22/2025 10:54:21 PM	Peak Integrated by Software
VX0821WBS02	VX047467.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:18:52 AM	MMDadoda	8/22/2025 10:54:29 PM	Peak Integrated by Software
VSTDCCC050	VX047482.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:19:36 AM	MMDadoda	8/22/2025 10:54:39 PM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047347.D	15 Aug 2025 08:28	JC/MD	Ok
2	VSTDICC001	VX047348.D	15 Aug 2025 09:18	JC/MD	Not Ok
3	VSTDICC005	VX047349.D	15 Aug 2025 09:40	JC/MD	Ok,M
4	VSTDICC020	VX047350.D	15 Aug 2025 10:01	JC/MD	Ok,M
5	VSTDICCC050	VX047351.D	15 Aug 2025 10:22	JC/MD	Ok,M
6	VSTDICC100	VX047352.D	15 Aug 2025 10:43	JC/MD	Ok,M
7	VSTDICC150	VX047353.D	15 Aug 2025 11:05	JC/MD	Ok,M
8	IBLK	VX047354.D	15 Aug 2025 11:26	JC/MD	Ok
9	VSTDICC001	VX047355.D	15 Aug 2025 12:08	JC/MD	Not Ok
10	VSTDICC001	VX047356.D	15 Aug 2025 12:30	JC/MD	Ok,M
11	VSTDICV050	VX047357.D	15 Aug 2025 13:11	JC/MD	Ok,M
12	VX0815WBL01	VX047358.D	15 Aug 2025 13:39	JC/MD	Ok
13	VX0815MBL01	VX047359.D	15 Aug 2025 14:00	JC/MD	Ok
14	VX0815WBS01	VX047360.D	15 Aug 2025 14:21	JC/MD	Ok,M
15	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49	JC/MD	Ok,M
16	Q2880-01	VX047362.D	15 Aug 2025 15:10	JC/MD	Ok
17	Q2880-02	VX047363.D	15 Aug 2025 15:32	JC/MD	Ok
18	Q2880-03	VX047364.D	15 Aug 2025 15:53	JC/MD	Ok
19	Q2880-04	VX047365.D	15 Aug 2025 16:15	JC/MD	Ok
20	Q2886-01	VX047366.D	15 Aug 2025 16:36	JC/MD	Ok
21	Q2886-02	VX047367.D	15 Aug 2025 16:58	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2837-01	VX047368.D	15 Aug 2025 17:19	JC/MD	Ok,M
23	VSTDCCC050	VX047369.D	15 Aug 2025 17:41	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081925

Review By	John Carlone	Review On	8/20/2025 8:46:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/20/2025 8:58:28 AM		
SubDirectory	VX081925	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135170
Initial Calibration Stds	
CCC	VP135171,VP135172
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047399.D	19 Aug 2025 08:38	JC/MD	Ok
2	VSTDCCC050	VX047400.D	19 Aug 2025 09:37	JC/MD	Ok,M
3	VX0819MBL01	VX047401.D	19 Aug 2025 10:05	JC/MD	Ok
4	VX0819WBL01	VX047402.D	19 Aug 2025 10:55	JC/MD	Ok
5	VX0819WBS01	VX047403.D	19 Aug 2025 11:55	JC/MD	Ok,M
6	Q2815-11	VX047404.D	19 Aug 2025 12:16	JC/MD	Ok
7	VX0819WBSD01	VX047405.D	19 Aug 2025 12:37	JC/MD	Ok,M
8	Q2815-12	VX047406.D	19 Aug 2025 12:59	JC/MD	Ok
9	Q2815-16RE	VX047407.D	19 Aug 2025 13:20	JC/MD	Confirms
10	Q2815-24	VX047408.D	19 Aug 2025 13:41	JC/MD	Ok
11	Q2815-26	VX047409.D	19 Aug 2025 14:07	JC/MD	ReRun
12	Q2841-01	VX047410.D	19 Aug 2025 14:29	JC/MD	Ok
13	Q2841-01DL	VX047411.D	19 Aug 2025 14:50	JC/MD	Not Ok
14	Q2815-20	VX047412.D	19 Aug 2025 15:11	JC/MD	Ok
15	Q2815-21	VX047413.D	19 Aug 2025 15:32	JC/MD	ReRun
16	Q2815-22	VX047414.D	19 Aug 2025 15:53	JC/MD	ReRun
17	Q2815-23	VX047415.D	19 Aug 2025 16:14	JC/MD	Ok
18	Q2869-07	VX047416.D	19 Aug 2025 16:36	JC/MD	Ok
19	Q2869-10	VX047417.D	19 Aug 2025 16:57	JC/MD	Ok
20	Q2869-11	VX047418.D	19 Aug 2025 17:18	JC/MD	Ok
21	Q2815-18	VX047419.D	19 Aug 2025 17:39	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081925

Review By	John Carlone	Review On	8/20/2025 8:46:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/20/2025 8:58:28 AM		
SubDirectory	VX081925	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135170
Initial Calibration Stds	
CCC	VP135171,VP135172
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2815-19	VX047420.D	19 Aug 2025 18:00	JC/MD	Ok
23	Q2869-01	VX047421.D	19 Aug 2025 18:22	JC/MD	Ok
24	VX0819MBS01	VX047422.D	19 Aug 2025 18:43	JC/MD	Ok,M
25	Q2844-09DL	VX047423.D	19 Aug 2025 19:04	JC/MD	Ok
26	Q2884-03DL	VX047424.D	19 Aug 2025 19:25	JC/MD	Ok
27	VSTDCCC050	VX047425.D	19 Aug 2025 19:47	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082125

Review By	John Carlone	Review On	8/22/2025 9:26:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 10:55:07 PM		
SubDirectory	VX082125	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135197
Initial Calibration Stds	
CCC	VP135198,VP135199
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047454.D	21 Aug 2025 07:58	JC/MD	Ok
2	VSTDCCC050	VX047455.D	21 Aug 2025 09:35	JC/MD	Ok,M
3	VX0821MBL01	VX047456.D	21 Aug 2025 10:03	JC/MD	Ok
4	VX0821WBL01	VX047457.D	21 Aug 2025 10:24	JC/MD	Ok
5	VX0821WBS01	VX047458.D	21 Aug 2025 10:50	JC/MD	Not Ok
6	VX0821WBSD01	VX047459.D	21 Aug 2025 11:18	JC/MD	Not Ok
7	Q2869-04	VX047460.D	21 Aug 2025 11:39	JC/MD	Dilution
8	Q2869-05	VX047461.D	21 Aug 2025 12:00	JC/MD	Ok
9	Q2869-03	VX047462.D	21 Aug 2025 12:22	JC/MD	Ok
10	Q2900-02DL	VX047463.D	21 Aug 2025 12:43	JC/MD	Ok
11	Q2900-03DL	VX047464.D	21 Aug 2025 13:04	JC/MD	Ok
12	Q2900-05DL	VX047465.D	21 Aug 2025 13:25	JC/MD	Ok
13	Q2900-08	VX047466.D	21 Aug 2025 13:46	JC/MD	Ok
14	VX0821WBS02	VX047467.D	21 Aug 2025 14:07	JC/MD	Ok,M
15	Q2869-04DL	VX047468.D	21 Aug 2025 14:28	JC/MD	Ok
16	Q2900-07RE	VX047469.D	21 Aug 2025 14:49	JC/MD	Confirms
17	VX0821WBSD02	VX047470.D	21 Aug 2025 15:10	JC/MD	Ok,M
18	Q2900-06	VX047471.D	21 Aug 2025 15:31	JC/MD	Ok
19	Q2903-01	VX047472.D	21 Aug 2025 15:53	JC/MD	Ok
20	Q2903-02	VX047473.D	21 Aug 2025 16:14	JC/MD	ReRun
21	Q2900-04	VX047474.D	21 Aug 2025 16:35	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082125

Review By	John Carlone	Review On	8/22/2025 9:26:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 10:55:07 PM		
SubDirectory	VX082125	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135197
Initial Calibration Stds	
CCC	VP135198,VP135199
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2903-03	VX047475.D	21 Aug 2025 16:56	JC/MD	Ok,M
23	Q2903-04	VX047476.D	21 Aug 2025 17:17	JC/MD	Ok
24	Q2903-05MS	VX047477.D	21 Aug 2025 17:39	JC/MD	Not Ok
25	Q2903-06MSD	VX047478.D	21 Aug 2025 18:00	JC/MD	Not Ok
26	Q2903-07	VX047479.D	21 Aug 2025 18:21	JC/MD	Dilution
27	Q2903-08	VX047480.D	21 Aug 2025 18:42	JC/MD	Ok
28	Q2903-09	VX047481.D	21 Aug 2025 19:03	JC/MD	ReRun
29	VSTDCCC050	VX047482.D	21 Aug 2025 19:25	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047347.D	15 Aug 2025 08:28		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047348.D	15 Aug 2025 09:18	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX047349.D	15 Aug 2025 09:40	LR-58,81	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047350.D	15 Aug 2025 10:01		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047351.D	15 Aug 2025 10:22		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047352.D	15 Aug 2025 10:43		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047353.D	15 Aug 2025 11:05		JC/MD	Ok,M
8	IBLK	IBLK	VX047354.D	15 Aug 2025 11:26		JC/MD	Ok
9	VSTDICC001	VSTDICC001	VX047355.D	15 Aug 2025 12:08	Not used	JC/MD	Not Ok
10	VSTDICC001	VSTDICC001	VX047356.D	15 Aug 2025 12:30		JC/MD	Ok,M
11	VSTDICV050	ICVVX081525	VX047357.D	15 Aug 2025 13:11		JC/MD	Ok,M
12	VX0815WBL01	VX0815WBL01	VX047358.D	15 Aug 2025 13:39		JC/MD	Ok
13	VX0815MBL01	VX0815MBL01	VX047359.D	15 Aug 2025 14:00		JC/MD	Ok
14	VX0815WBS01	VX0815WBS01	VX047360.D	15 Aug 2025 14:21		JC/MD	Ok,M
15	VX0815WBSD01	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49		JC/MD	Ok,M
16	Q2880-01	STORAGE-BLANK-SO	VX047362.D	15 Aug 2025 15:10	vial A pH<2	JC/MD	Ok
17	Q2880-02	STORAGE-BLANK-WA	VX047363.D	15 Aug 2025 15:32	vial A pH<2	JC/MD	Ok
18	Q2880-03	STORAGE-BLANK-WA	VX047364.D	15 Aug 2025 15:53	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2880-04	STORAGE-BLANK-SAI	VX047365.D	15 Aug 2025 16:15	vial A pH<2	JC/MD	Ok
20	Q2886-01	BP-TT182D-TB-202508	VX047366.D	15 Aug 2025 16:36	vial A pH<2	JC/MD	Ok
21	Q2886-02	BP-TT182D-GW-20250	VX047367.D	15 Aug 2025 16:58	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q2837-01	TW-WTS-13	VX047368.D	15 Aug 2025 17:19	vial B pH<2	JC/MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VX047369.D	15 Aug 2025 17:41		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081925

Review By	John Carlone	Review On	8/20/2025 8:46:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/20/2025 8:58:28 AM		
SubDirectory	VX081925	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135170
Initial Calibration Stds	
CCC	VP135171,VP135172
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	VX047399.D	19 Aug 2025 08:38		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047400.D	19 Aug 2025 09:37	pH#Lot#V12668	JC/MD	Ok,M
3	VX0819MBL01	VX0819MBL01	VX047401.D	19 Aug 2025 10:05		JC/MD	Ok
4	VX0819WBL01	VX0819WBL01	VX047402.D	19 Aug 2025 10:55		JC/MD	Ok
5	VX0819WBS01	VX0819WBS01	VX047403.D	19 Aug 2025 11:55		JC/MD	Ok,M
6	Q2815-11	TW-22M-W	VX047404.D	19 Aug 2025 12:16	vial B pH<2	JC/MD	Ok
7	VX0819WBSD01	VX0819WBSD01	VX047405.D	19 Aug 2025 12:37		JC/MD	Ok,M
8	Q2815-12	TW-22M-S	VX047406.D	19 Aug 2025 12:59	vial B pH<2	JC/MD	Ok
9	Q2815-16RE	TW-17M-SRE	VX047407.D	19 Aug 2025 13:20	vial B pH<2 Surrogate Fail	JC/MD	Confirms
10	Q2815-24	TB	VX047408.D	19 Aug 2025 13:41	vial A pH<2 TB	JC/MD	Ok
11	Q2815-26	FB	VX047409.D	19 Aug 2025 14:07	vial A pH<2 FB;Surrogate Fail	JC/MD	ReRun
12	Q2841-01	MW-06-6.5-08122025	VX047410.D	19 Aug 2025 14:29	vial A pH<2	JC/MD	Ok
13	Q2841-01DL	MW-06-6.5-08122025D	VX047411.D	19 Aug 2025 14:50	Not required	JC/MD	Not Ok
14	Q2815-20	TW-11M-W	VX047412.D	19 Aug 2025 15:11	vial A pH<2	JC/MD	Ok
15	Q2815-21	TW-11M-E	VX047413.D	19 Aug 2025 15:32	vial A pH<2 Surrogate Fail	JC/MD	ReRun
16	Q2815-22	TW-11M-S	VX047414.D	19 Aug 2025 15:53	vial A pH<2 Surrogate Fail	JC/MD	ReRun
17	Q2815-23	TW-11M-N	VX047415.D	19 Aug 2025 16:14	vial A pH<2	JC/MD	Ok
18	Q2869-07	EB01-081325	VX047416.D	19 Aug 2025 16:36	vial A pH<2 EB	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081925

Review By	John Carlone	Review On	8/20/2025 8:46:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/20/2025 8:58:28 AM		
SubDirectory	VX081925	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135170
Initial Calibration Stds	
CCC	VP135171,VP135172
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2869-10	EB02-081325	VX047417.D	19 Aug 2025 16:57	vial A pH<2 EB	JC/MD	Ok
20	Q2869-11	TB01-081325	VX047418.D	19 Aug 2025 17:18	vial A pH<2 TB	JC/MD	Ok
21	Q2815-18	TW-84SB-W	VX047419.D	19 Aug 2025 17:39	vial A pH<2	JC/MD	Ok
22	Q2815-19	DUP	VX047420.D	19 Aug 2025 18:00	vial A pH<2	JC/MD	Ok
23	Q2869-01	MW-19B-71.5-081325	VX047421.D	19 Aug 2025 18:22	vial A pH<2	JC/MD	Ok
24	VX0819MBS01	VX0819MBS01	VX047422.D	19 Aug 2025 18:43		JC/MD	Ok,M
25	Q2844-09DL	MOO-25-0226DL	VX047423.D	19 Aug 2025 19:04		JC/MD	Ok
26	Q2884-03DL	302DL	VX047424.D	19 Aug 2025 19:25		JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX047425.D	19 Aug 2025 19:47		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082125

Review By	John Carlone	Review On	8/22/2025 9:26:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 10:55:07 PM		
SubDirectory	VX082125	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135197
Initial Calibration Stds	
CCC	VP135198,VP135199
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	VX047454.D	21 Aug 2025 07:58		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047455.D	21 Aug 2025 09:35	pH#Lot#V12668	JC/MD	Ok,M
3	VX0821MBL01	VX0821MBL01	VX047456.D	21 Aug 2025 10:03		JC/MD	Ok
4	VX0821WBL01	VX0821WBL01	VX047457.D	21 Aug 2025 10:24		JC/MD	Ok
5	VX0821WBS01	VX0821WBS01	VX047458.D	21 Aug 2025 10:50	Recovery fail	JC/MD	Not Ok
6	VX0821WBSD01	VX0821WBSD01	VX047459.D	21 Aug 2025 11:18	Recovery fail	JC/MD	Not Ok
7	Q2869-04	MW-11A-13.5-081325	VX047460.D	21 Aug 2025 11:39	vial A pH<2 Need 20X	JC/MD	Dilution
8	Q2869-05	MW-19B-71.5-081325-I	VX047461.D	21 Aug 2025 12:00	vial A pH<2	JC/MD	Ok
9	Q2869-03	MW-01-6.5-081325	VX047462.D	21 Aug 2025 12:22	vial A pH<2	JC/MD	Ok
10	Q2900-02DL	MN-12C-081825DL	VX047463.D	21 Aug 2025 12:43	vial B pH<2	JC/MD	Ok
11	Q2900-03DL	DUP-01-081825DL	VX047464.D	21 Aug 2025 13:04	vial B pH<2	JC/MD	Ok
12	Q2900-05DL	MW-11C-081825DL	VX047465.D	21 Aug 2025 13:25	vial B pH<2	JC/MD	Ok
13	Q2900-08	TB-081825	VX047466.D	21 Aug 2025 13:46	vial B pH<2 TB	JC/MD	Ok
14	VX0821WBS02	VX0821WBS02	VX047467.D	21 Aug 2025 14:07		JC/MD	Ok,M
15	Q2869-04DL	MW-11A-13.5-081325D	VX047468.D	21 Aug 2025 14:28	vial B pH<2	JC/MD	Ok
16	Q2900-07RE	MW-11B-081825RE	VX047469.D	21 Aug 2025 14:49	vial B pH<2 Surrogate Fail	JC/MD	Confirms
17	VX0821WBSD02	VX0821WBSD02	VX047470.D	21 Aug 2025 15:10		JC/MD	Ok,M
18	Q2900-06	MW-17C-081825	VX047471.D	21 Aug 2025 15:31	vial B pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082125

Review By	John Carlone	Review On	8/22/2025 9:26:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 10:55:07 PM		
SubDirectory	VX082125	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135197
Initial Calibration Stds	
CCC	VP135198,VP135199
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2903-01	MW-6A-081925	VX047472.D	21 Aug 2025 15:53	vial A pH<2	JC/MD	Ok
20	Q2903-02	MW-1C-081925	VX047473.D	21 Aug 2025 16:14	vial A pH<2 Surrogate Fail	JC/MD	ReRun
21	Q2900-04	MW-17B-081825	VX047474.D	21 Aug 2025 16:35	vial B pH<2	JC/MD	Ok
22	Q2903-03	MW-6B-081925	VX047475.D	21 Aug 2025 16:56	vial A pH<2	JC/MD	Ok,M
23	Q2903-04	MW-1B-081925	VX047476.D	21 Aug 2025 17:17	vial A pH<2	JC/MD	Ok
24	Q2903-05MS	Q2903-03MSMS	VX047477.D	21 Aug 2025 17:39	Spike not added	JC/MD	Not Ok
25	Q2903-06MSD	Q2903-03MSDMSD	VX047478.D	21 Aug 2025 18:00	Surrogate Fail;Spike not added	JC/MD	Not Ok
26	Q2903-07	MW-12B-081925	VX047479.D	21 Aug 2025 18:21	vial A pH<2 Surrogate Fail;Need 10X	JC/MD	Dilution
27	Q2903-08	MW-18B-081925	VX047480.D	21 Aug 2025 18:42	vial A pH<2	JC/MD	Ok
28	Q2903-09	DUP-02-081925	VX047481.D	21 Aug 2025 19:03	vial A pH<2 Surrogate Fail	JC/MD	ReRun
29	VSTDCCC050	VSTDCCC050EC	VX047482.D	21 Aug 2025 19:25		JC/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2869	**OrderDate:**	8/14/2025 9:15:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	J31,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2869-01	**MW-19B-71.5-081325**	**Water**			**08/13/25**			**08/13/25**
			VOCMS Group3	8260-Low			08/19/25	
Q2869-03	**MW-01-6.5-081325**	**Water**			**08/13/25**			**08/13/25**
			VOCMS Group3	8260-Low			08/21/25	
Q2869-04	**MW-11A-13.5-081325**	**Water**			**08/13/25**			**08/13/25**
			VOCMS Group3	8260-Low			08/21/25	
Q2869-04DL	**MW-11A-13.5-081325 DL**	**Water**			**08/13/25**			**08/13/25**
			VOCMS Group3	8260-Low			08/21/25	
Q2869-05	**MW-19B-71.5-081325 -FD**	**Water**			**08/13/25**			**08/13/25**
			VOCMS Group3	8260-Low			08/21/25	
Q2869-07	**EB01-081325**	**Water**			**08/13/25**			**08/13/25**
			VOCMS Group3	8260-Low			08/19/25	
Q2869-10	**EB02-081325**	**Water**			**08/13/25**			**08/13/25**
			VOCMS Group3	8260-Low			08/19/25	
Q2869-11	**TB01-081325**	**Water**			**08/13/25**			**08/13/25**
			VOCMS Group3	8260-Low			08/19/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2869

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-19B-71.5-081325								
Q2869-01	MW-19B-71.5-081325	WATER	1,4-Dioxane	5.700	E	0.07	0.22	ug/L
			Total Svoc :	**5.70**				
			Total Concentration:	**5.70**				
Client ID : MW-19B-71.5-081325DL								
Q2869-01DL	MW-19B-71.5-081325DI	WATER	1,4-Dioxane	5.700	D	0.14	0.43	ug/L
			Total Svoc :	**5.70**				
			Total Concentration:	**5.70**				
Client ID : MW-11A-13.5-081325								
Q2869-04	MW-11A-13.5-081325	WATER	1,4-Dioxane	2.300		0.07	0.21	ug/L
			Total Svoc :	**2.30**				
			Total Concentration:	**2.30**				
Client ID : MW-19B-71.5-081325-FD								
Q2869-05	MW-19B-71.5-081325-FI	WATER	1,4-Dioxane	5.000		0.07	0.21	ug/L
			Total Svoc :	**5.00**				
			Total Concentration:	**5.00**				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	930 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037608.D	1	08/18/25 08:41	08/19/25 15:29	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	5.70	E	0.070	0.22	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.31		30 (20) - 150 (139)	77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 (54) - 150 (157)	94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		30 (30) - 130 (155)	92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		30 (54) - 130 (175)	120%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2200	7.717			
1146-65-2	Naphthalene-d8	5210	10.498			
15067-26-2	Acenaphthene-d10	2610	14.345			
1517-22-2	Phenanthrene-d10	5270	17.086			
1719-03-5	Chrysene-d12	4640	21.268			
1520-96-3	Perylene-d12	4050	23.502			

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:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325DL	SDG No.:	Q2869
Lab Sample ID:	Q2869-01DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	930 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037622.D	2	08/18/25 08:41	08/20/25 06:38	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	5.70	D	0.14	0.43	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.29		30 (20) - 150 (139)	72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 (54) - 150 (157)	87%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		30 (27) - 130 (154)	86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		30 (30) - 130 (155)	89%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		30 (54) - 130 (175)	120%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2130	7.71			
1146-65-2	Naphthalene-d8	4900	10.498			
15067-26-2	Acenaphthene-d10	2450	14.345			
1517-22-2	Phenanthrene-d10	5000	17.086			
1719-03-5	Chrysene-d12	4110	21.268			
1520-96-3	Perylene-d12	3880	23.502			

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:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-01-6.5-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	900 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037609.D	1	08/18/25 08:41	08/19/25 16:05	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.22	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.23		30 (20) - 150 (139)	58%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (54) - 150 (157)	84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		30 (27) - 130 (154)	67%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		30 (30) - 130 (155)	79%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.45		30 (54) - 130 (175)	112%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2150	7.717			
1146-65-2	Naphthalene-d8	5200	10.498			
15067-26-2	Acenaphthene-d10	2530	14.345			
1517-22-2	Phenanthrene-d10	5350	17.086			
1719-03-5	Chrysene-d12	5200	21.268			
1520-96-3	Perylene-d12	4970	23.502			

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:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-11A-13.5-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-04	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	960 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037610.D	1	08/18/25 08:41	08/19/25 16:42	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	2.30		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.29		30 (20) - 150 (139)	72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		30 (30) - 130 (155)	101%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.50		30 (54) - 130 (175)	125%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2500	7.717			
1146-65-2	Naphthalene-d8	6050	10.498			
15067-26-2	Acenaphthene-d10	2960	14.345			
1517-22-2	Phenanthrene-d10	6180	17.087			
1719-03-5	Chrysene-d12	5540	21.268			
1520-96-3	Perylene-d12	5230	23.499			

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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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325-FD	SDG No.:	Q2869
Lab Sample ID:	Q2869-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	960 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037611.D	1	08/18/25 08:41	08/19/25 17:18	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	5.00		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.27		30 (20) - 150 (139)	68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 (54) - 150 (157)	89%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		30 (27) - 130 (154)	77%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		30 (30) - 130 (155)	91%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		30 (54) - 130 (175)	119%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2370	7.717			
1146-65-2	Naphthalene-d8	5770	10.498			
15067-26-2	Acenaphthene-d10	2950	14.345			
1517-22-2	Phenanthrene-d10	6120	17.086			
1719-03-5	Chrysene-d12	5270	21.268			
1520-96-3	Perylene-d12	4710	23.502			

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:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	EB01-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-07	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	940 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037612.D	1	08/18/25 08:41	08/19/25 17:54	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (20) - 150 (139)	76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 (54) - 150 (157)	97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	89%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		30 (30) - 130 (155)	97%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		30 (54) - 130 (175)	123%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2240	7.717			
1146-65-2	Naphthalene-d8	5420	10.498			
15067-26-2	Acenaphthene-d10	2770	14.345			
1517-22-2	Phenanthrene-d10	5600	17.086			
1719-03-5	Chrysene-d12	4810	21.268			
1520-96-3	Perylene-d12	4480	23.502			

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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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	EB02-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-10	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037613.D	1	08/18/25 08:41	08/19/25 18:30	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.24		30 (20) - 150 (139)	61%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (54) - 150 (157)	86%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		30 (27) - 130 (154)	67%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		30 (30) - 130 (155)	69%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		30 (54) - 130 (175)	109%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2370	7.717			
1146-65-2	Naphthalene-d8	5790	10.498			
15067-26-2	Acenaphthene-d10	2830	14.345			
1517-22-2	Phenanthrene-d10	5680	17.086			
1719-03-5	Chrysene-d12	4480	21.268			
1520-96-3	Perylene-d12	4030	23.499			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2869

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169286BL	PB169286BL	2-Methylnaphthalene-d10	0.4	0.32	81		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.33	83		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.35	86		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.37	93		30 (54)	130 (175)
PB169286BS	PB169286BS	2-Methylnaphthalene-d10	0.4	0.33	82		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.31	76		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.35	87		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.36	90		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.35	88		30 (54)	130 (175)
Q2842-04MS	MW-17B-55.5-08122025MS	2-Methylnaphthalene-d10	0.4	0.31	77		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.38	94		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	83		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.32	81		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.47	117		30 (54)	130 (175)
Q2842-05MSD	MW-17B-55.5-08122025MSD	2-Methylnaphthalene-d10	0.4	0.30	76		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	93		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	79		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.32	81		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.47	117		30 (54)	130 (175)
Q2869-01	MW-19B-71.5-081325	2-Methylnaphthalene-d10	0.4	0.31	77		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.38	94		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	89		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.37	92		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.48	120		30 (54)	130 (175)
Q2869-01DL	MW-19B-71.5-081325DL	2-Methylnaphthalene-d10	0.4	0.29	72		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.35	87		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.34	86		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.36	89		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.48	120		30 (54)	130 (175)
Q2869-03	MW-01-6.5-081325	2-Methylnaphthalene-d10	0.4	0.23	58		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.34	84		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.27	67		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.32	79		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.45	112		30 (54)	130 (175)
Q2869-04	MW-11A-13.5-081325	2-Methylnaphthalene-d10	0.4	0.29	72		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	93		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	81		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.41	101		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.50	125		30 (54)	130 (175)
Q2869-05	MW-19B-71.5-081325-FD	2-Methylnaphthalene-d10	0.4	0.27	68		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.36	89		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.31	77		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.36	91		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.48	119		30 (54)	130 (175)
Q2869-07	EB01-081325	2-Methylnaphthalene-d10	0.4	0.30	76		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.39	97		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	89		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.39	97		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.49	123		30 (54)	130 (175)
Q2869-10	EB02-081325	2-Methylnaphthalene-d10	0.4	0.24	61		30 (20)	150 (139)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SW-846

SDG No.: Q2869

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2869-10	EB02-081325	Fluoranthene-d10	0.4	0.34	86		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.27	67		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.28	69		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.44	109		30 (54)	130 (175)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2869 **Analytical Method:** SW8270-Modified

Client: JACOBS Engineering Group, Inc. **DataFile:** BN037605.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2842-04MS		**Client Sample ID: MW-17B-55.5-08122025MS**									
1,4-Dioxane	0.43	2.90	3.00	ug/L	23				20 (10)	160 (175)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2869 **Analytical Method:** SW8270-Modified

Client: JACOBS Engineering Group, Inc. **DataFile:** BN037606.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q2842-05MSD		**Client Sample ID:** MW-17B-55.5-08122025MSD									
1,4-Dioxane	0.42	2.90	3.00	ug/L	24		4		20 (10)	160 (175)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2869 **Analytical Method:** 8270-Modified

Client: JACOBS Engineering Group, Inc. **DataFile:** BN037630.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169286BS	1,4-Dioxane	0.4	0.30	ug/L	75				20 (65)	160 (116)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169286BL

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2869

Lab File ID: BN037619.D | Lab Sample ID: PB169286BL

Instrument ID: BNA_N | Date Extracted: 08/18/2025

Matrix: (soil/water) Water | Date Analyzed: 08/20/2025

Level: (low/med) LOW | Time Analyzed: 04:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169286BS	PB169286BS	BN037630.D	08/20/2025
MW-17B-55.5-08122025MS	Q2842-04MS	BN037605.D	08/19/2025
MW-17B-55.5-08122025MSD	Q2842-05MSD	BN037606.D	08/19/2025
MW-19B-71.5-081325	Q2869-01	BN037608.D	08/19/2025
MW-01-6.5-081325	Q2869-03	BN037609.D	08/19/2025
MW-11A-13.5-081325	Q2869-04	BN037610.D	08/19/2025
MW-19B-71.5-081325-FD	Q2869-05	BN037611.D	08/19/2025
EB01-081325	Q2869-07	BN037612.D	08/19/2025
EB02-081325	Q2869-10	BN037613.D	08/19/2025

COMMENTS:

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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2869

Lab File ID: BN037576.D DFTPP Injection Date: 08/12/2025

Instrument ID: BNA_N DFTPP Injection Time: 15:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	39.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	14.2
442	Greater than 50% of mass 198	84.5
443	15.0 - 24.0% of mass 442	16.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037578.D	08/12/2025	16:26
SSTDICC0.2	SSTDICC0.2	BN037579.D	08/12/2025	17:03
SSTDICCC0.4	SSTDICCC0.4	BN037580.D	08/12/2025	17:39
SSTDICC0.8	SSTDICC0.8	BN037581.D	08/12/2025	18:16
SSTDICC1.6	SSTDICC1.6	BN037582.D	08/12/2025	18:52
SSTDICC3.2	SSTDICC3.2	BN037583.D	08/12/2025	19:29
SSTDICC5.0	SSTDICC5.0	BN037584.D	08/12/2025	20:05

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2869

Lab File ID: BN037599.D DFTPP Injection Date: 08/19/2025

Instrument ID: BNA_N DFTPP Injection Time: 10:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	35.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	14.4
442	Greater than 50% of mass 198	97.7
443	15.0 - 24.0% of mass 442	17.9 (18.3) 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	BN037600.D	08/19/2025	10:39
MW-17B-55.5-08122025MS	Q2842-04MS	BN037605.D	08/19/2025	13:40
MW-17B-55.5-08122025MSD	Q2842-05MSD	BN037606.D	08/19/2025	14:17
MW-19B-71.5-081325	Q2869-01	BN037608.D	08/19/2025	15:29
MW-01-6.5-081325	Q2869-03	BN037609.D	08/19/2025	16:05
MW-11A-13.5-081325	Q2869-04	BN037610.D	08/19/2025	16:42
MW-19B-71.5-081325-FD	Q2869-05	BN037611.D	08/19/2025	17:18
EB01-081325	Q2869-07	BN037612.D	08/19/2025	17:54
EB02-081325	Q2869-10	BN037613.D	08/19/2025	18:30

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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2869

Lab File ID: BN037617.D DFTPP Injection Date: 08/20/2025

Instrument ID: BNA_N DFTPP Injection Time: 03:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (0.9) 1
69	Mass 69 relative abundance	39.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	11.8
442	Greater than 50% of mass 198	78.3
443	15.0 - 24.0% of mass 442	14.9 (19) 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	BN037618.D	08/20/2025	04:14
PB169286BL	PB169286BL	BN037619.D	08/20/2025	04:50
MW-19B-71.5-081325DL	Q2869-01DL	BN037622.D	08/20/2025	06:38
PB169286BS	PB169286BS	BN037630.D	08/20/2025	11:25

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2869

Client ID : SSTDCCC0.4 Date Analyzed: 08/19/2025

Lab File ID: BN037600.D Time Analyzed: 10:39

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	2628	7.717	6457	10.50	3216	14.34
	UPPER LIMIT	5256	8.217	12914	10.998	6432	14.844
	LOWER LIMIT	1314	7.217	3228.5	9.998	1608	13.844
	EPA SAMPLE NO.						
01	EB02-081325	2371	7.72	5789	10.50	2832	14.35
02	MW-17B-55.5-08122025MS	2023	7.72	4765	10.50	2380	14.35
03	MW-17B-55.5-08122025MSD	2022	7.72	4839	10.50	2406	14.34
04	MW-19B-71.5-081325	2200	7.72	5205	10.50	2609	14.35
05	MW-01-6.5-081325	2151	7.72	5200	10.50	2532	14.35
06	MW-11A-13.5-081325	2495	7.72	6050	10.50	2961	14.35
07	MW-19B-71.5-081325-FD	2373	7.72	5766	10.50	2949	14.35
08	EB01-081325	2243	7.72	5421	10.50	2768	14.35

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2869

Client ID: SSTDCCC0.4 Date Analyzed: 08/19/2025

Lab File ID: BN037600.D Time Analyzed: 10:39

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	6293	17.086	5356	21.267	5379	23.504
	UPPER LIMIT	12586	17.586	10712	21.767	10758	24.004
	LOWER LIMIT	3146.5	16.586	2678	20.767	2689.5	23.004
	EPA SAMPLE NO.						
01	EB02-081325	5676	17.09	4482	21.27	4034	23.50
02	MW-17B-55.5-08122025MS	4922	17.09	4507	21.27	3909	23.51
03	MW-17B-55.5-08122025MSD	5009	17.09	4561	21.27	3935	23.50
04	MW-19B-71.5-081325	5274	17.09	4636	21.27	4050	23.50
05	MW-01-6.5-081325	5354	17.09	5202	21.27	4969	23.50
06	MW-11A-13.5-081325	6177	17.09	5539	21.27	5233	23.50
07	MW-19B-71.5-081325-FD	6117	17.09	5268	21.27	4705	23.50
08	EB01-081325	5604	17.09	4806	21.27	4479	23.50

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2869

Client ID : SSTDCCC0.4 Date Analyzed: 08/20/2025

Lab File ID: BN037618.D Time Analyzed: 04:14

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	2622	7.71	6166	10.50	3094	14.35
	UPPER LIMIT	5244	8.21	12332	10.998	6188	14.845
	LOWER LIMIT	1311	7.21	3083	9.998	1547	13.845
	EPA SAMPLE NO.						
01	PB169286BL	2323	7.71	5229	10.50	2344	14.35
02	PB169286BS	2389	7.71	5616	10.49	2629	14.35
03	MW-19B-71.5-081325DL	2126	7.71	4898	10.50	2452	14.35

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2869

Client ID: SSTDCCC0.4 Date Analyzed: 08/20/2025

Lab File ID: BN037618.D Time Analyzed: 04:14

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	6113	17.086	5494	21.268	5322	23.499
	UPPER LIMIT	12226	17.586	10988	21.768	10644	23.999
	LOWER LIMIT	3056.5	16.586	2747	20.768	2661	22.999
	EPA SAMPLE NO.						
01	PB169286BL	4466	17.09	3733	21.27	3552	23.50
02	PB169286BS	5040	17.09	4175	21.27	3780	23.50
03	MW-19B-71.5-081325DL	4999	17.09	4107	21.27	3877	23.50

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:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB169286BL	SDG No.:	Q2869
Lab Sample ID:	PB169286BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037619.D	1	08/18/25 08:41	08/20/25 04:50	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.32		30 (20) - 150 (139)	81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 (54) - 150 (157)	83%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (30) - 130 (155)	86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (54) - 130 (175)	93%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2320	7.71			
1146-65-2	Naphthalene-d8	5230	10.498			
15067-26-2	Acenaphthene-d10	2340	14.345			
1517-22-2	Phenanthrene-d10	4470	17.087			
1719-03-5	Chrysene-d12	3730	21.268			
1520-96-3	Perylene-d12	3550	23.499			

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:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB169286BS	SDG No.:	Q2869
Lab Sample ID:	PB169286BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037630.D	1	08/18/25 08:41	08/20/25 11:25	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.30		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.33		30 (20) - 150 (139)	82%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.31		30 (54) - 150 (157)	76%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (27) - 130 (154)	87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		30 (30) - 130 (155)	90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.35		30 (54) - 130 (175)	88%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2390	7.71			
1146-65-2	Naphthalene-d8	5620	10.487			
15067-26-2	Acenaphthene-d10	2630	14.345			
1517-22-2	Phenanthrene-d10	5040	17.086			
1719-03-5	Chrysene-d12	4180	21.268			
1520-96-3	Perylene-d12	3780	23.502			

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:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-08122025MS	SDG No.:	Q2869
Lab Sample ID:	Q2842-04MS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	940 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037605.D	1	08/18/25 08:41	08/19/25 13:40	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.00		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.31		30 (20) - 150 (139)	77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 (54) - 150 (157)	94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		30 (30) - 130 (155)	81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		30 (54) - 130 (175)	117%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2020	7.717			
1146-65-2	Naphthalene-d8	4770	10.498			
15067-26-2	Acenaphthene-d10	2380	14.345			
1517-22-2	Phenanthrene-d10	4920	17.087			
1719-03-5	Chrysene-d12	4510	21.268			
1520-96-3	Perylene-d12	3910	23.505			

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:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-08122025MSD	SDG No.:	Q2869
Lab Sample ID:	Q2842-05MSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	960 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037606.D	1	08/18/25 08:41	08/19/25 14:17	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.00		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (20) - 150 (139)	76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		30 (27) - 130 (154)	79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		30 (30) - 130 (155)	81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		30 (54) - 130 (175)	117%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2020	7.717			
1146-65-2	Naphthalene-d8	4840	10.498			
15067-26-2	Acenaphthene-d10	2410	14.344			
1517-22-2	Phenanthrene-d10	5010	17.086			
1719-03-5	Chrysene-d12	4560	21.267			
1520-96-3	Perylene-d12	3940	23.504			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 13 05:00:58 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN037578.D 0.2 =BN037579.D 0.4 =BN037580.D 0.8 =BN037581.D 1.6 =BN037582.D 3.2 =BN037583.D 5 =BN037584.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane		0.413	0.395	0.368	0.397	0.375	0.348	0.383	6.08
3)		n-Nitrosodimet...		0.471	0.488	0.471	0.493	0.503	0.508	0.489	3.19
4)	S	2-Fluorophenol	0.922	0.945	0.888	0.823	0.886	0.906	0.977	0.907	5.41
5)	S	Phenol-d6	1.045	1.051	1.044	0.983	1.198	1.117	1.201	1.091	7.66
6)		bis(2-Chloroet...	0.935	0.987	0.976	0.936	1.020	1.008	1.022	0.983	3.75
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.270	0.257	0.262	0.264	0.292	0.301	0.326	0.282	9.03
9)		Naphthalene	1.044	1.050	1.037	1.012	1.089	1.096	1.127	1.065	3.78
10)		Hexachlorobuta...	0.252	0.258	0.262	0.253	0.267	0.264	0.265	0.260	2.22
11)	SURR	2-Methylnaphth...	0.488	0.492	0.508	0.493	0.543	0.578	0.705	0.544	14.39
12)		2-Methylnaphth...	0.589	0.631	0.635	0.629	0.701	0.731	0.760	0.668	9.39
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.139	0.149	0.156	0.160	0.185	0.203	0.234	0.175	19.39
15)	S	2-Fluorobiphenyl	2.226	2.243	2.300	2.251	2.341	2.391	2.440	2.313	3.50
16)		Acenaphthylene	1.740	1.760	1.710	1.653	1.850	1.858	1.980	1.793	6.15
17)		Acenaphthene	1.144	1.150	1.172	1.154	1.283	1.286	1.348	1.220	6.86
18)		Fluorene	1.466	1.510	1.524	1.521	1.686	1.693	1.770	1.596	7.38
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.042	0.046	0.047	0.061	0.070		0.053	22.37
21)		4-Bromophenyl-...	0.226	0.236	0.234	0.237	0.265	0.271	0.292	0.251	9.77
22)		Hexachlorobenzene	0.360	0.360	0.356	0.332	0.364	0.354	0.370	0.356	3.37
23)		Atrazine	0.127	0.126	0.130	0.134	0.160	0.176		0.142	14.76
24)		Pentachlorophenol		0.108	0.113	0.113	0.139	0.152		0.125	15.36
25)		Phenanthrene	1.146	1.162	1.170	1.138	1.281	1.269	1.347	1.216	6.72
26)		Anthracene	0.950	0.985	0.995	0.988	1.145	1.186	1.286	1.077	11.93
27)	SURR	Fluoranthene-d10	0.932	0.966	0.954	0.935	1.050	1.110	1.419	1.052	16.61
28)		Fluoranthene	1.241	1.264	1.299	1.291	1.503	1.533	1.648	1.397	11.53
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.539	1.486	1.464	1.403	1.502	1.520	1.552	1.495	3.38
31)	S	Terphenyl-d14	0.814	0.801	0.796	0.763	0.833	0.853	0.901	0.823	5.45
32)		Benzo(a)anthra...	1.266	1.275	1.263	1.253	1.351	1.458	1.487	1.336	7.40
33)		Chrysene	1.547	1.515	1.433	1.379	1.511	1.489	1.551	1.489	4.21
34)		Bis(2-ethylhex...		0.518	0.522	0.483	0.522	0.593	0.671	0.551	12.47
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN081225.M

36)		Indeno(1,2,3-c...	1.446	1.462	1.612	1.568	1.816	1.883	2.011	1.686	13.01
37)		Benzo(b)fluora...	1.351	1.375	1.338	1.432	1.615	1.674	1.825	1.516	12.52
38)		Benzo(k)fluora...	1.597	1.580	1.651	1.628	1.821	1.797	1.898	1.710	7.36
39)	C	Benzo(a)pyrene	1.146	1.136	1.149	1.157	1.322	1.382	1.508	1.257	11.77
40)		Dibenzo(a,h)an...	1.023	1.118	1.222	1.215	1.439	1.516	1.621	1.308	16.85
41)		Benzo(g,h,i)pe...	1.207	1.274	1.262	1.261	1.467	1.532	1.643	1.378	12.17

(#) = Out of Range

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: BNA_N Calibration Date/Time: 08/19/2025 10:39

Lab File ID: BN037600.D Init. Calib. Date(s): 08/12/2025 08/12/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 16:26 20:05

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.498		-8.5	20.0
Fluoranthene-d10	1.052	0.957		-9.0	20.0
2-Fluorophenol	0.907	0.907		0.0	20.0
Phenol-d6	1.091	1.078		-1.2	20.0
Nitrobenzene-d5	0.282	0.275		-2.5	20.0
2-Fluorobiphenyl	2.313	2.186		-5.5	20.0
2,4,6-Tribromophenol	0.175	0.169		-3.4	20.0
Terphenyl-d14	0.823	0.796		-3.3	20.0
1,4-Dioxane	0.383	0.406		6.0	20.0

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: BNA_N Calibration Date/Time: 08/20/2025 04:14

Lab File ID: BN037618.D Init. Calib. Date(s): 08/12/2025 08/12/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 16:26 20:05

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.498		-8.5	20.0
Fluoranthene-d10	1.052	0.951		-9.6	20.0
2-Fluorophenol	0.907	0.875		-3.5	20.0
Phenol-d6	1.091	1.045		-4.2	20.0
Nitrobenzene-d5	0.282	0.281		-0.4	20.0
2-Fluorobiphenyl	2.313	2.246		-2.9	20.0
2,4,6-Tribromophenol	0.175	0.175		0.0	20.0
Terphenyl-d14	0.823	0.793		-3.6	20.0
1,4-Dioxane	0.383	0.380		-0.8	20.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037608.D
Acq On : 19 Aug 2025 15:29
Operator : RC/JU
Sample : Q2869-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 20 01:26:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.717	152	2200	0.400	ng		0.00
7) Naphthalene-d8	10.498	136	5205	0.400	ng		0.00
13) Acenaphthene-d10	14.345	164	2609	0.400	ng		0.00
19) Phenanthrene-d10	17.086	188	5274	0.400	ng		0.00
29) Chrysene-d12	21.268	240	4636	0.400	ng	#	0.00
35) Perylene-d12	23.502	264	4050	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.305	112	826	0.166	ng		0.00
5) Phenol-d6	6.879	99	576	0.096	ng		0.00
8) Nitrobenzene-d5	8.854	82	1306	0.356	ng		0.00
11) 2-Methylnaphthalene-d10	12.090	152	2188	0.309	ng		0.00
14) 2,4,6-Tribromophenol	15.833	330	421	0.369	ng		0.00
15) 2-Fluorobiphenyl	12.973	172	5552	0.368	ng		0.00
27) Fluoranthene-d10	19.118	212	5219	0.376	ng		0.00
31) Terphenyl-d14	19.717	244	4571	0.479	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.232	88	11100	5.274	ng	#	95
9) Naphthalene	10.541	128	1436	0.104	ng	#	91
12) 2-Methylnaphthalene	12.161	142	233	0.027	ng	#	88
17) Acenaphthene	14.409	154	611	0.077	ng		98
18) Fluorene	15.392	166	597	0.057	ng		98
25) Phenanthrene	17.124	178	8597	0.536	ng		100
28) Fluoranthene	19.146	202	7523	0.408	ng		99
30) Pyrene	19.508	202	5017	0.289	ng	#	94
32) Benzo(a)anthracene	21.250	228	535	0.035	ng	#	85
33) Chrysene	21.304	228	813m	0.047	ng		
34) Bis(2-ethylhexyl)phtha...	21.196	149	466	0.073	ng	#	91

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

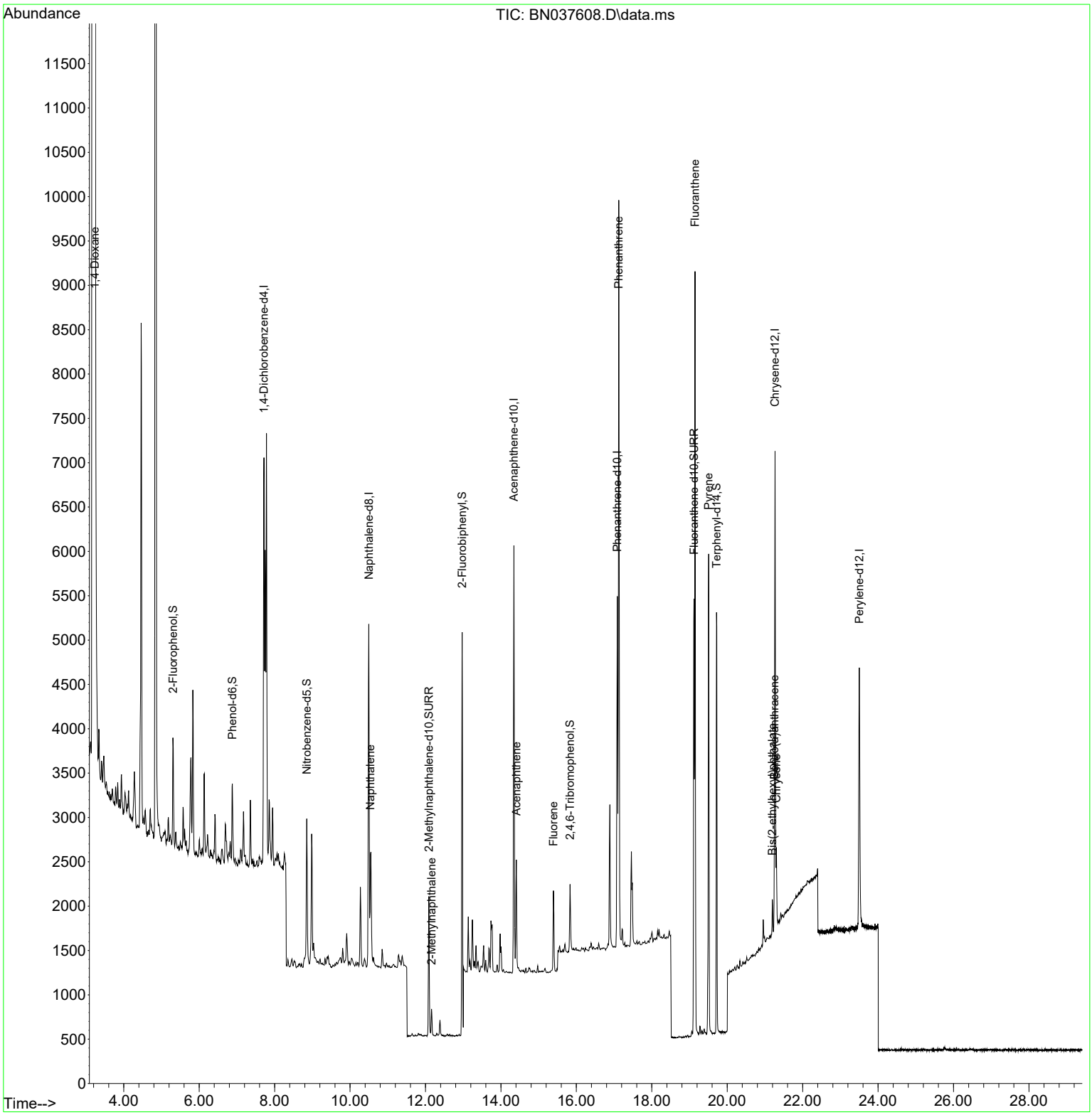
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037608.D
Acq On : 19 Aug 2025 15:29
Operator : RC/JU
Sample : Q2869-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

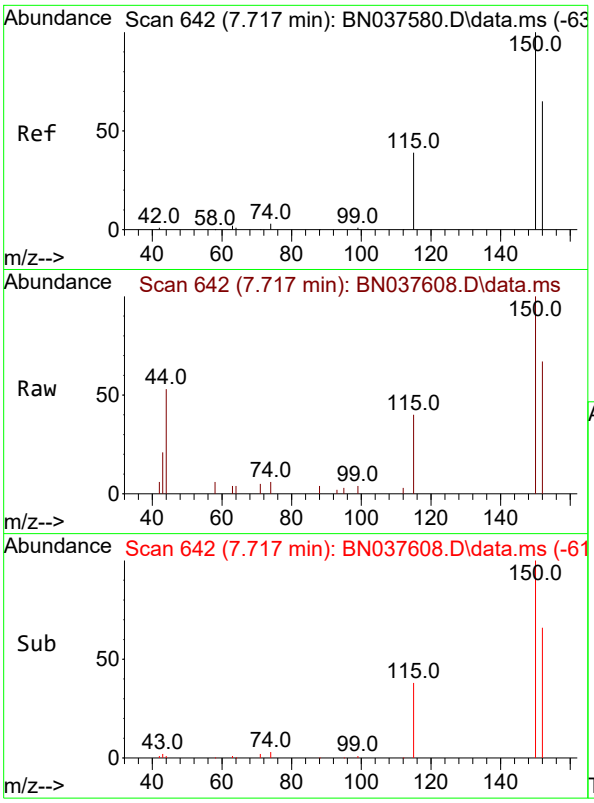
Quant Time: Aug 20 01:26:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

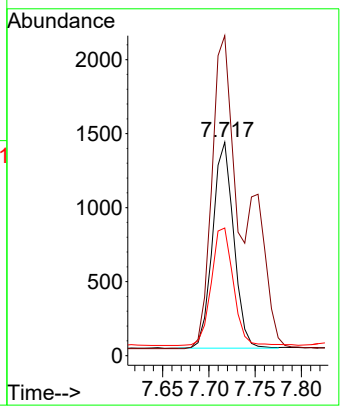




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:152 Resp: 220

Ion	Ratio	Lower	Upper
152	100		
150	149.9	122.2	183.4
115	59.8	49.8	74.6



Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

Manual Integrations
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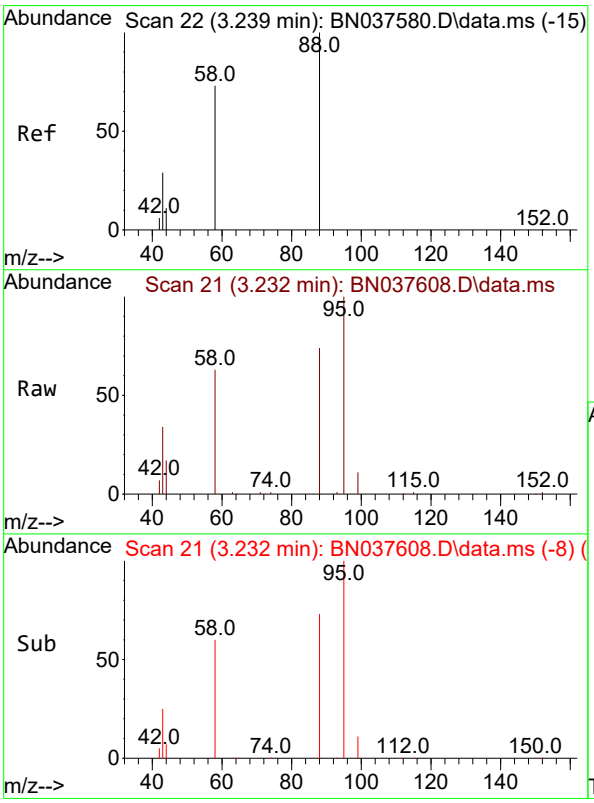
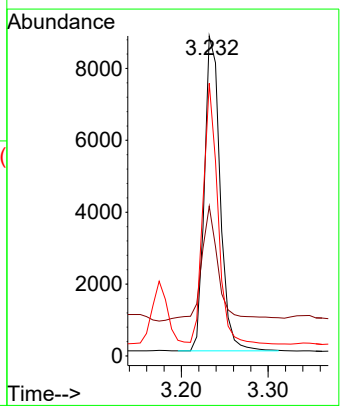
Supervised By :Jagrut Upadhyay 08/20/2025

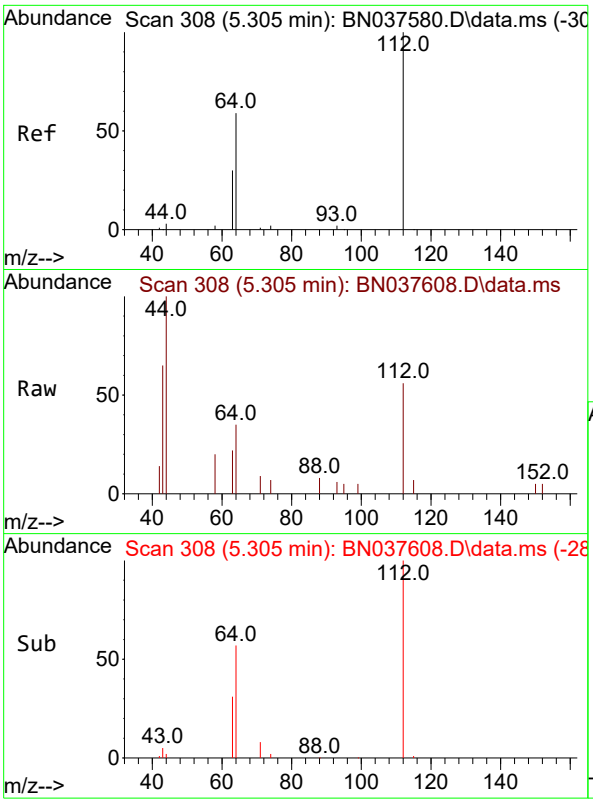


#2
1,4-Dioxane
Concen: 5.274 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion: 88 Resp: 11100

Ion	Ratio	Lower	Upper
88	100		
43	40.0	25.8	38.6#
58	77.1	61.2	91.8

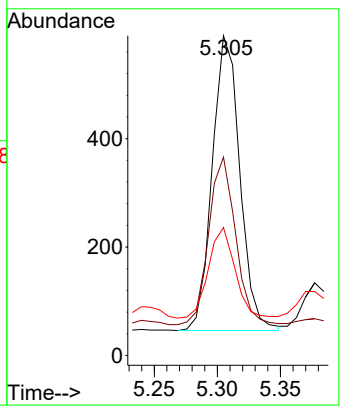




#4
2-Fluorophenol
Concen: 0.166 ng
RT: 5.305 min Scan# 3(
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

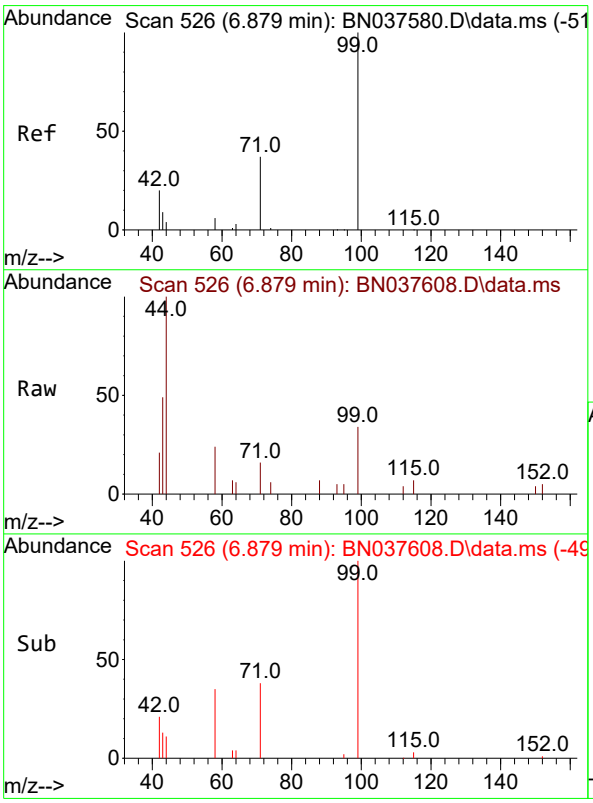
Tgt Ion:112 Resp: 82(

Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.9	67.3
63	29.8	23.4	35.2



Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

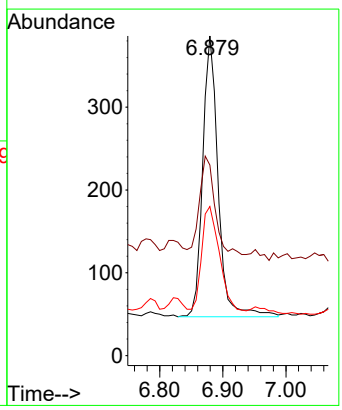
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

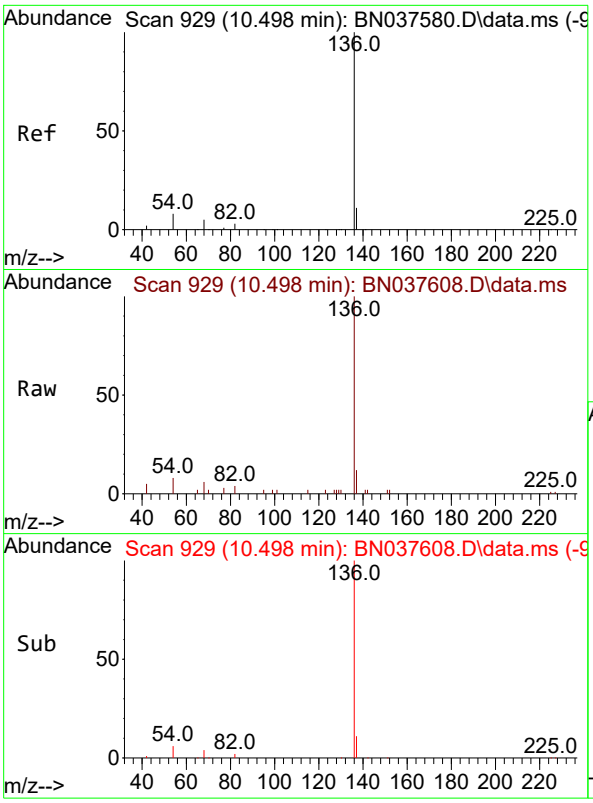


#5
Phenol-d6
Concen: 0.096 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion: 99 Resp: 576

Ion	Ratio	Lower	Upper
99	100		
42	34.5	18.5	27.7#
71	43.4	28.6	42.8#

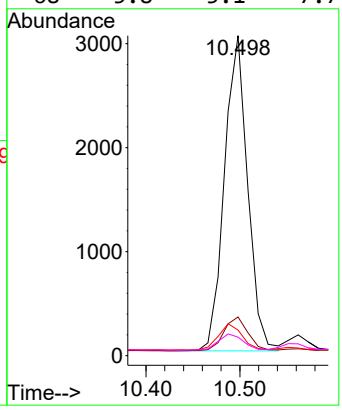




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

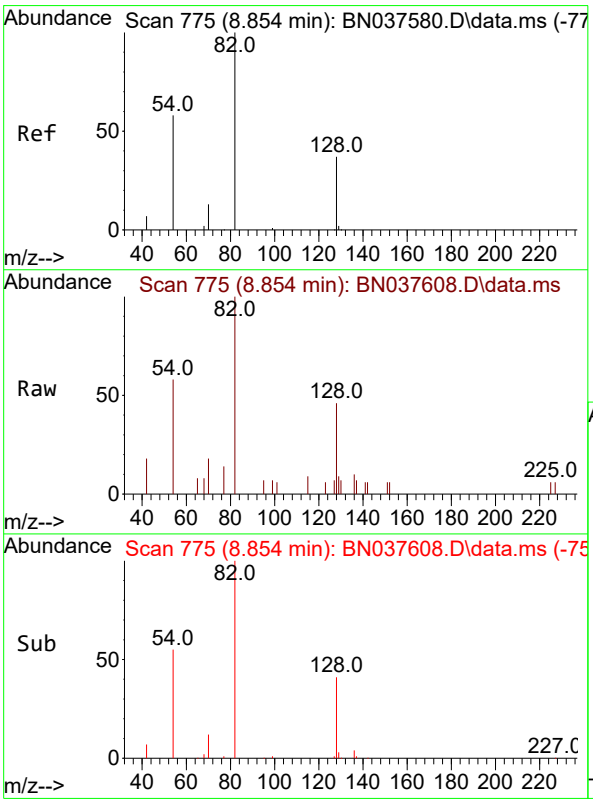
Tgt Ion:136 Resp: 520

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	8.0	7.3	10.9
68	5.8	5.1	7.7



Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

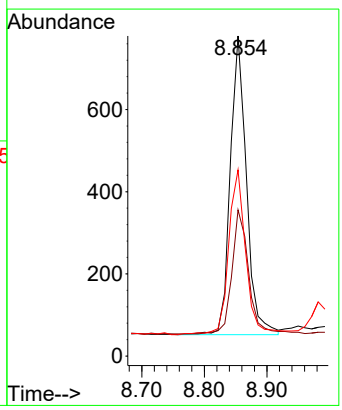
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

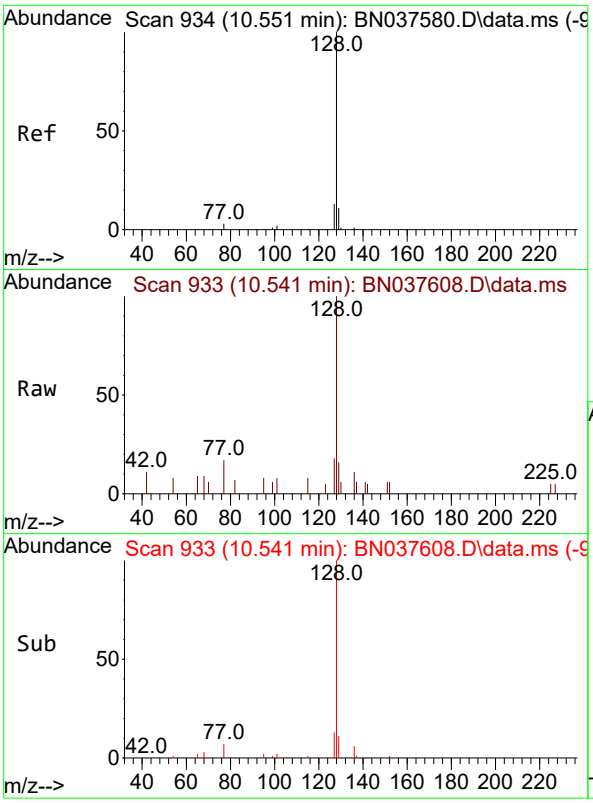


#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion: 82 Resp: 1306

Ion	Ratio	Lower	Upper
82	100		
128	45.7	32.6	48.8
54	58.2	48.9	73.3

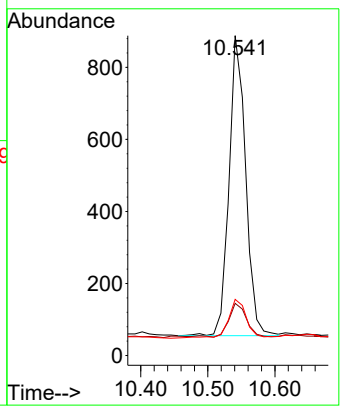




#9
Naphthalene
Concen: 0.104 ng
RT: 10.541 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:128 Resp: 143

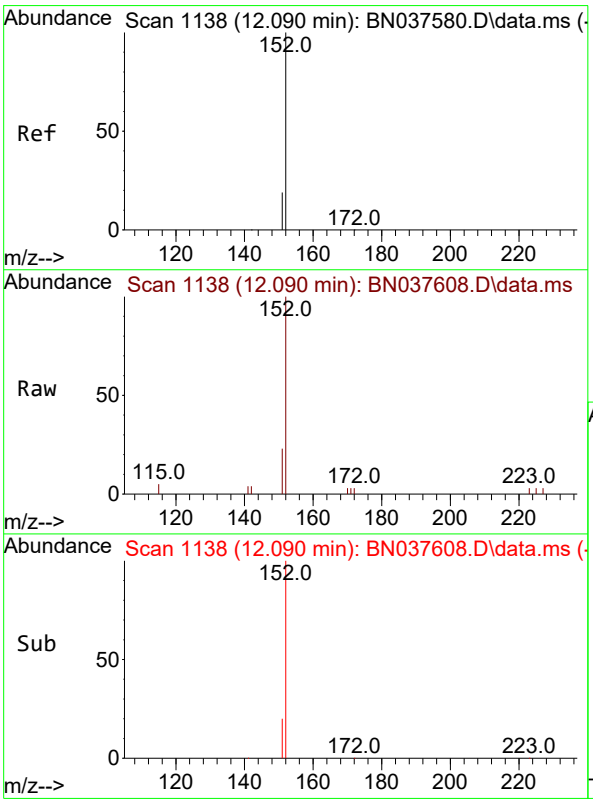
Ion	Ratio	Lower	Upper
128	100		
129	16.3	9.8	14.6#
127	17.6	11.5	17.3#



Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

Manual Integrations
APPROVED

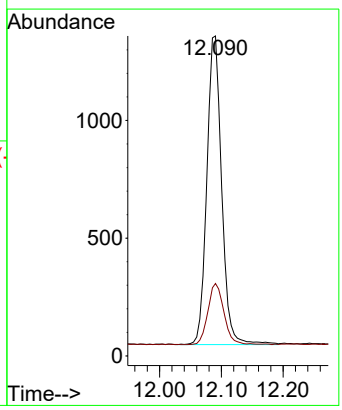
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

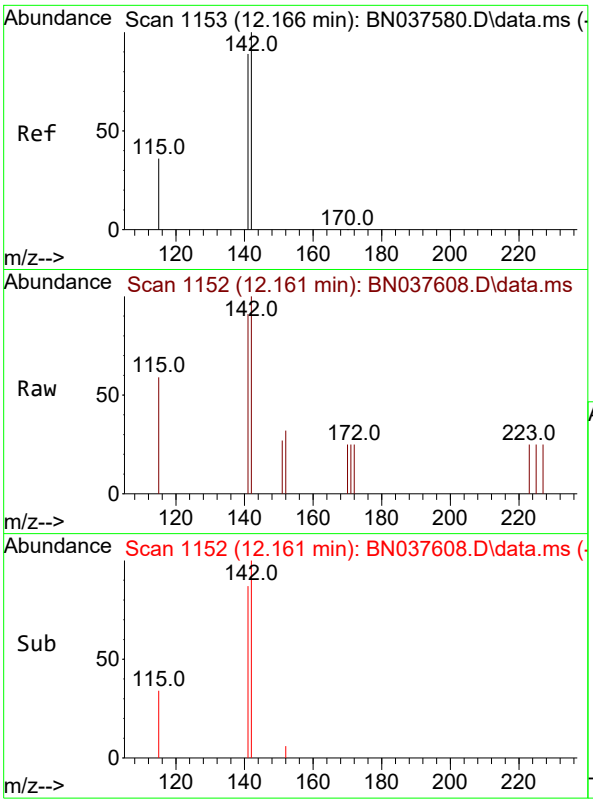


#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.090 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:152 Resp: 2188

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.3	25.9

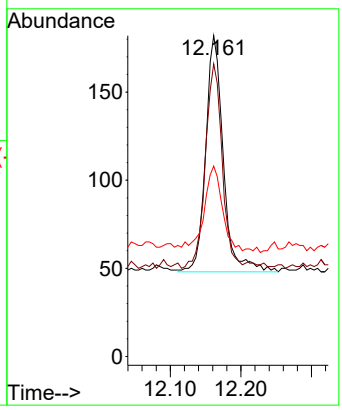




#12
2-Methylnaphthalene
Concen: 0.027 ng
RT: 12.161 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

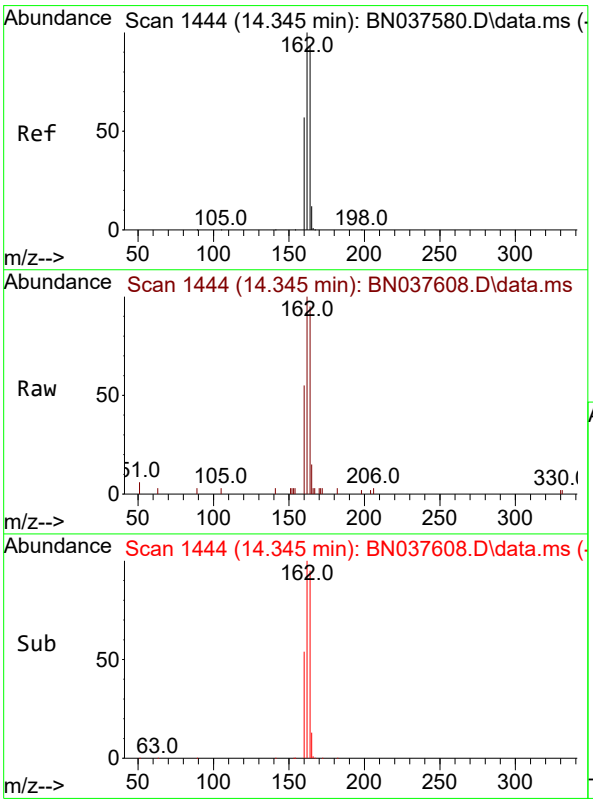
Tgt Ion:142 Resp: 23

Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.4	107.0
115	59.3	30.2	45.4



Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

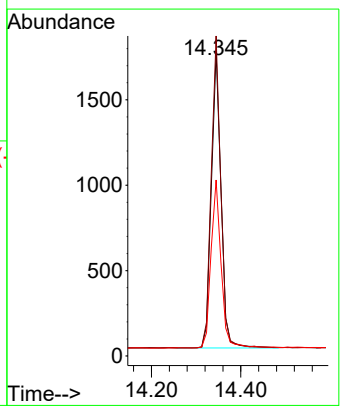
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

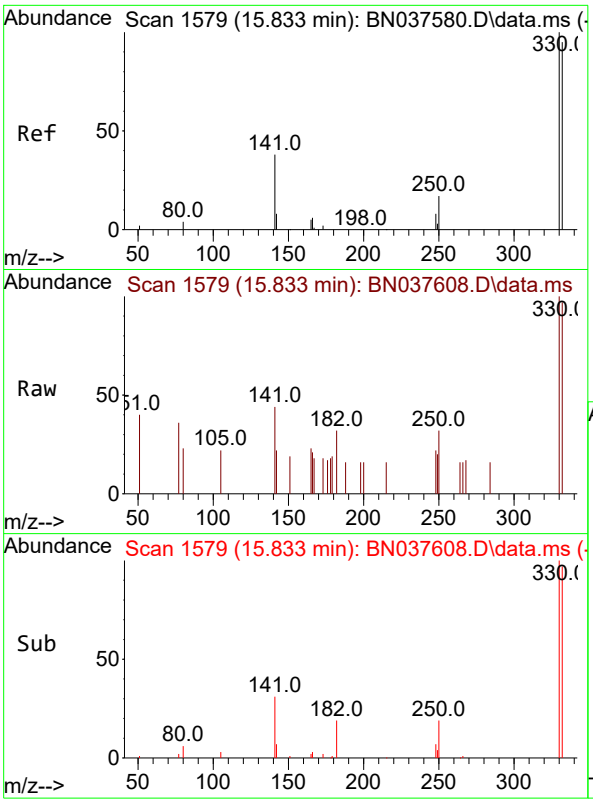


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:164 Resp: 2609

Ion	Ratio	Lower	Upper
164	100		
162	105.2	85.5	128.3
160	57.9	49.5	74.3

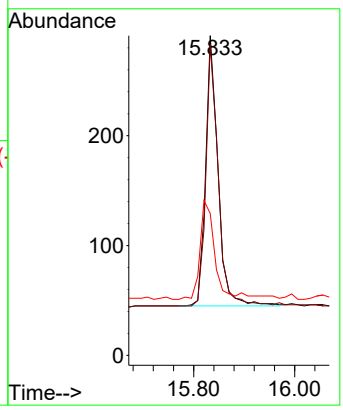




#14
2,4,6-Tribromophenol
Concen: 0.369 ng
RT: 15.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:330 Resp: 42

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.0
141	41.6	30.9	46.3



Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

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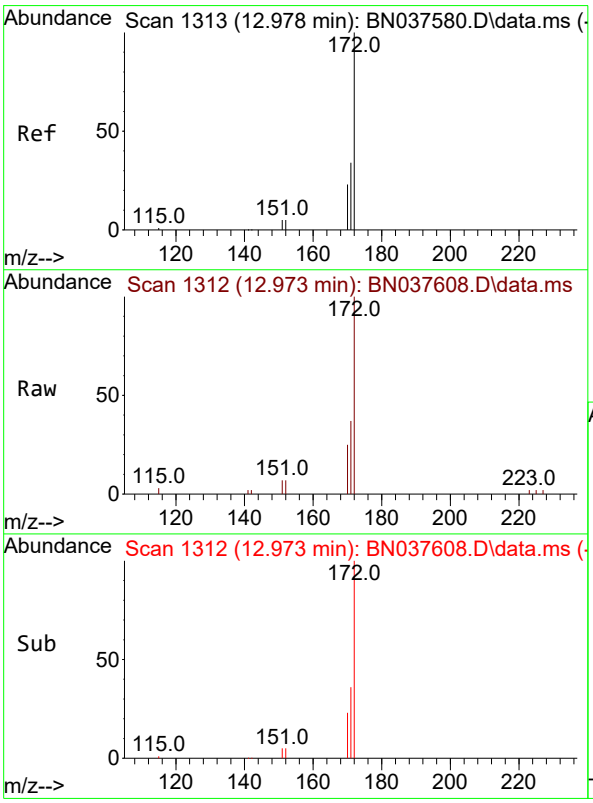
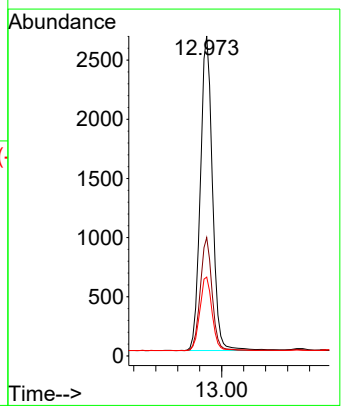
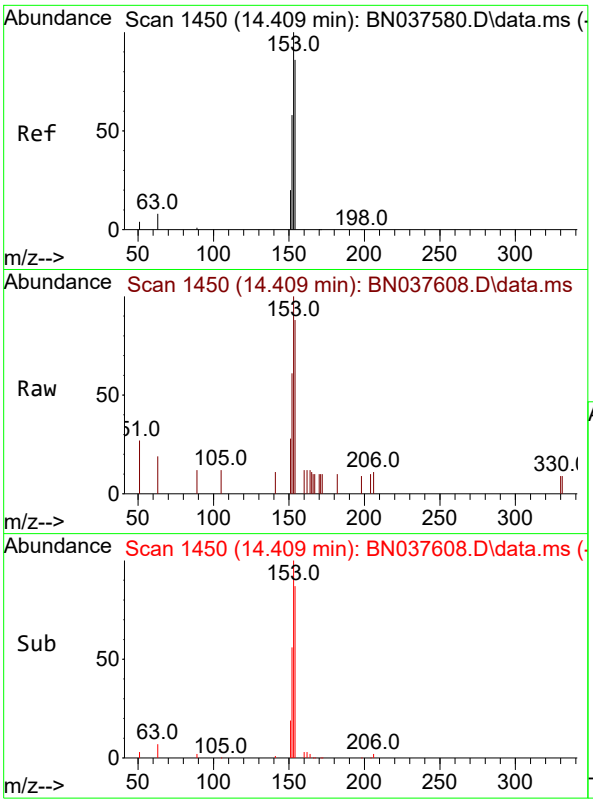


#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:172 Resp: 5552

Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.2	42.4
170	24.6	19.2	28.8

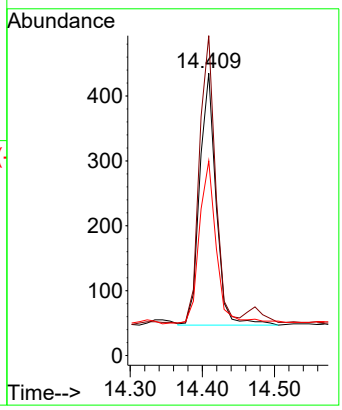




#17
Acenaphthene
Concen: 0.077 ng
RT: 14.409 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:154 Resp: 61

Ion	Ratio	Lower	Upper
154	100		
153	111.1	90.6	135.8
152	66.6	54.9	82.3



Instrument :
BNA_N
ClientSampleId :
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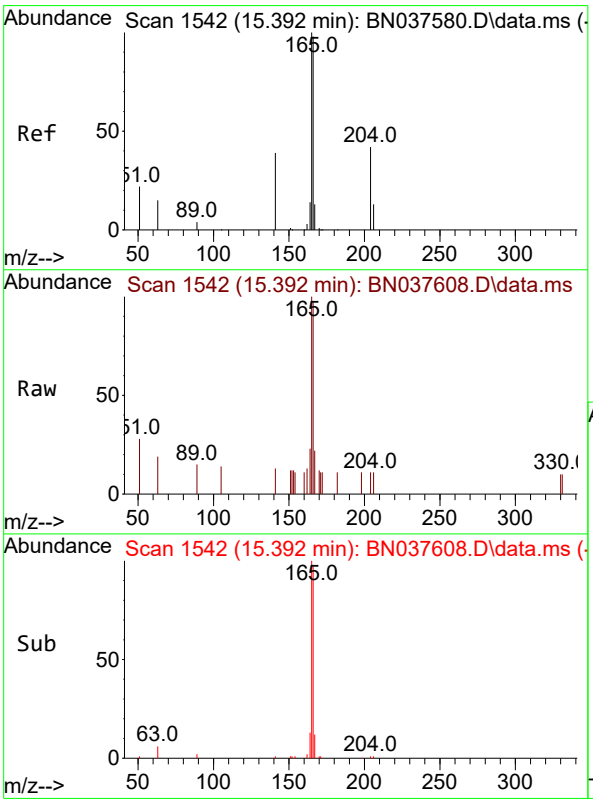
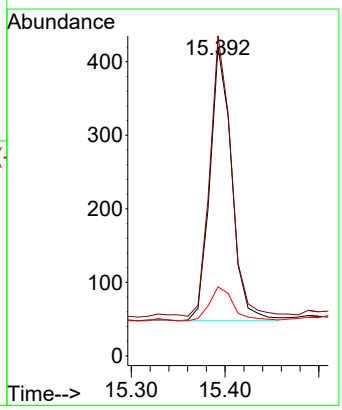
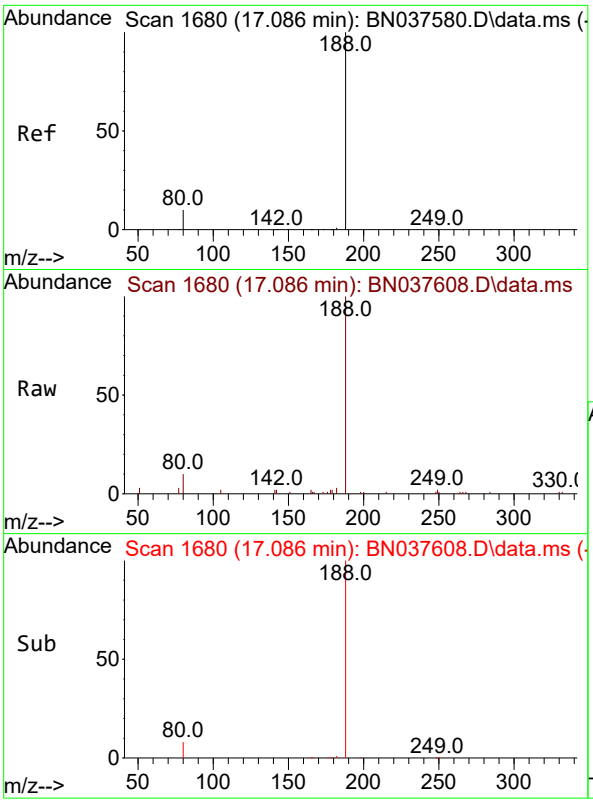


#18
Fluorene
Concen: 0.057 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:166 Resp: 597

Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.9	118.3
167	13.6	10.7	16.1

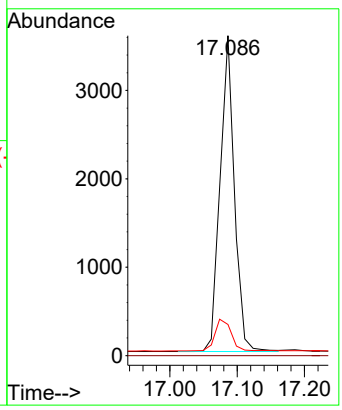




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:188 Resp: 527

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	9.1	13.7



Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

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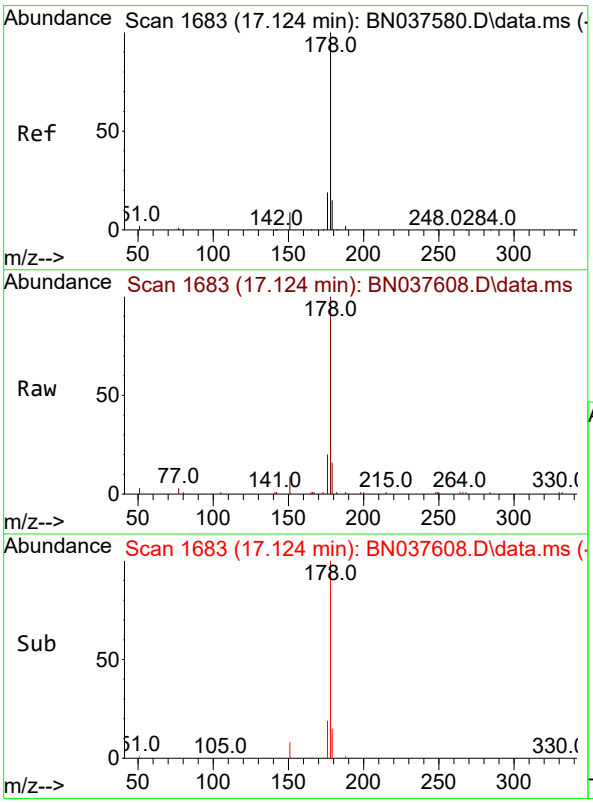
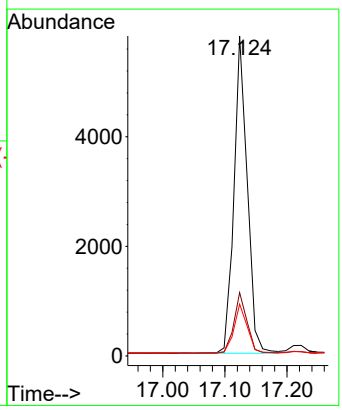
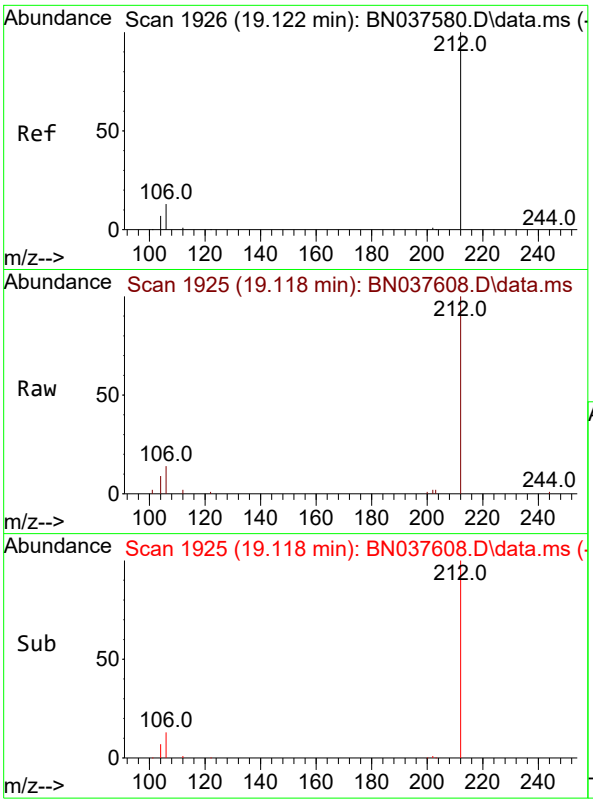


#25
Phenanthrene
Concen: 0.536 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:178 Resp: 8597

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.5	12.3	18.5

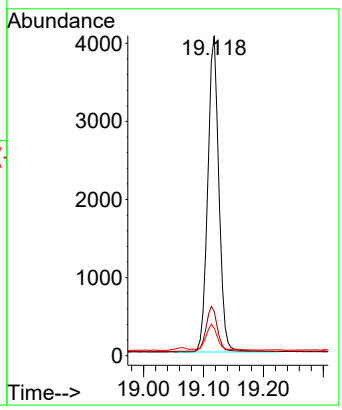




#27
Fluoranthene-d10
Concen: 0.376 ng
RT: 19.118 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:212 Resp: 521

Ion	Ratio	Lower	Upper
212	100		
106	14.7	11.5	17.3
104	7.8	6.6	9.8



Instrument :
BNA_N
ClientSampleId :
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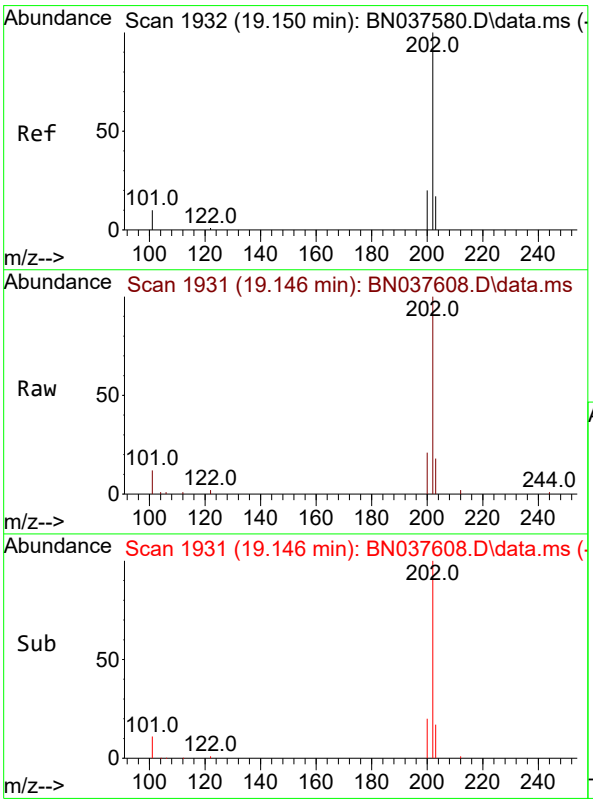
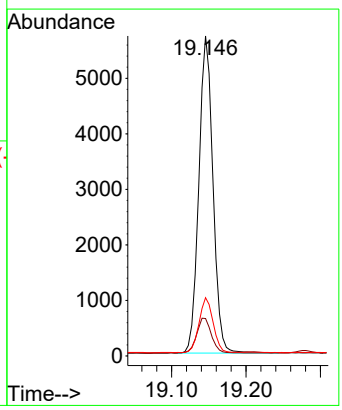
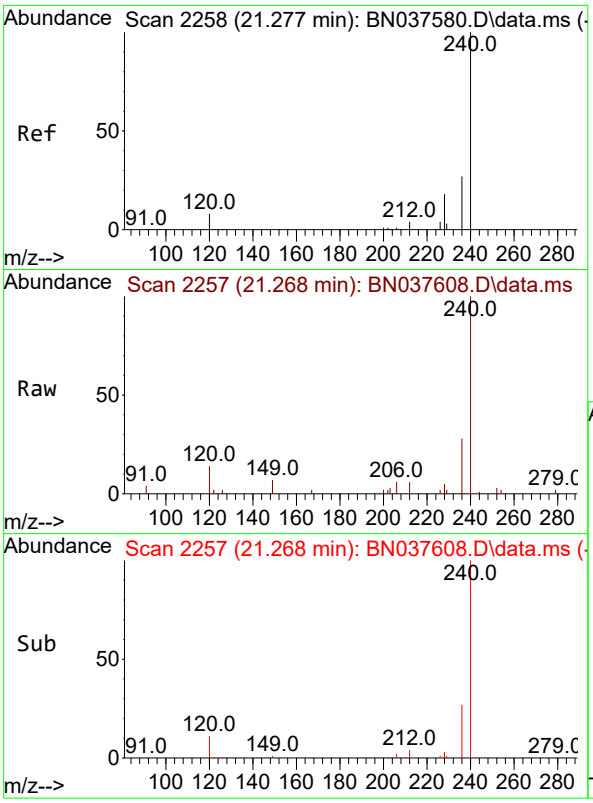


#28
Fluoranthene
Concen: 0.408 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.005 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:202 Resp: 7523

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.0	13.6
203	17.1	13.8	20.8

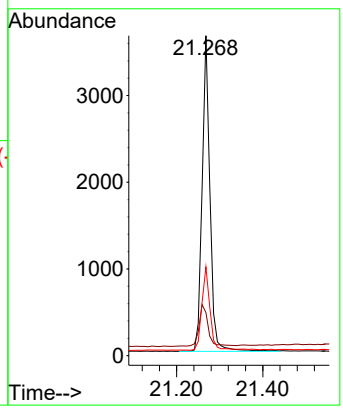




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:240 Resp: 463

Ion	Ratio	Lower	Upper
240	100		
120	13.5	8.9	13.3#
236	27.8	22.6	33.8



Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

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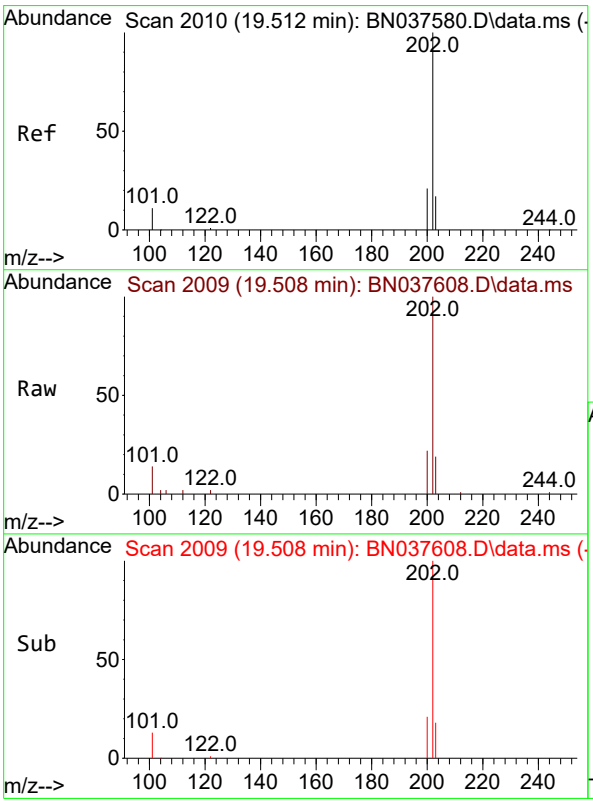
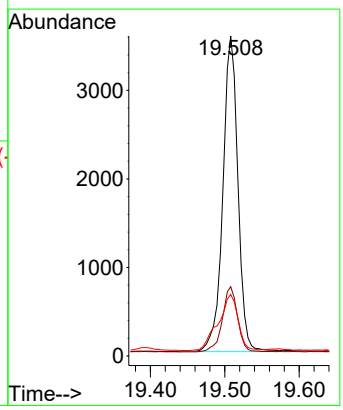
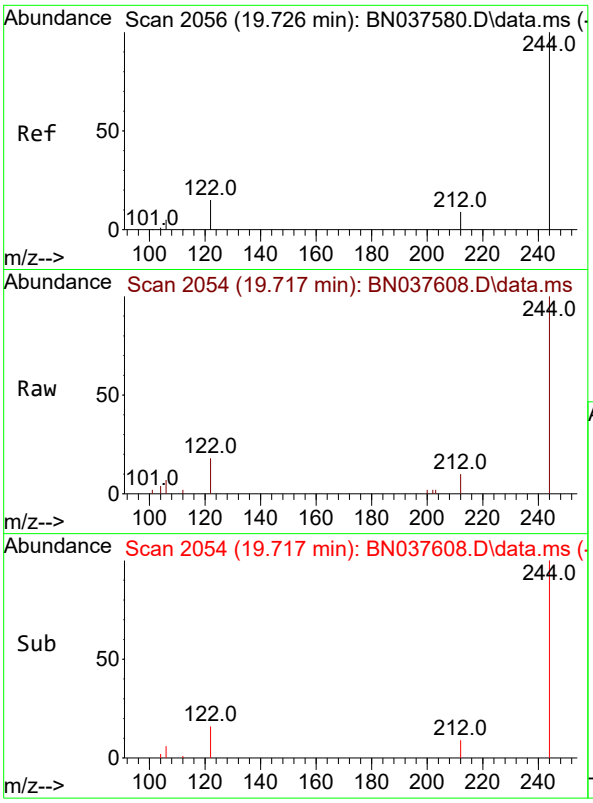


#30
Pyrene
Concen: 0.289 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.005 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:202 Resp: 5017

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	23.3	14.3	21.5#

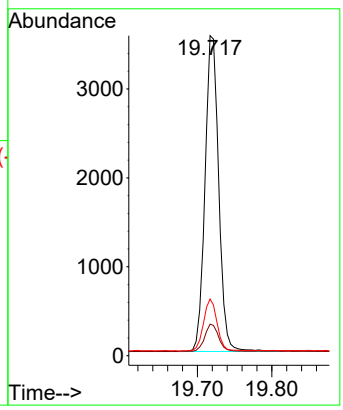




#31
Terphenyl-d14
Concen: 0.479 ng
RT: 19.717 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:244 Resp: 457

Ion	Ratio	Lower	Upper
244	100		
212	9.8	8.2	12.2
122	17.7	13.2	19.8



Instrument :
BNA_N
ClientSampleId :
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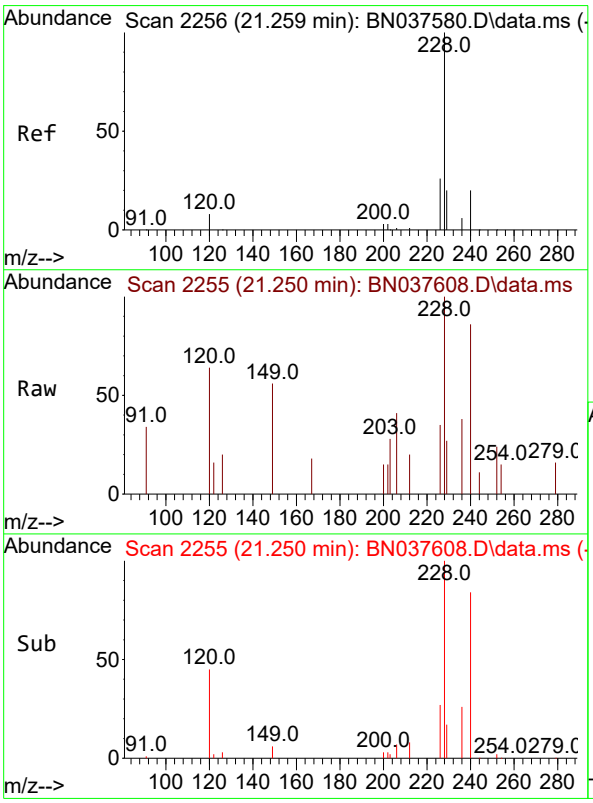
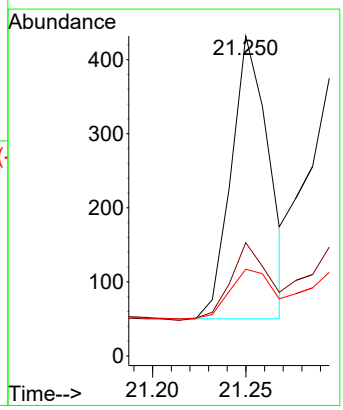
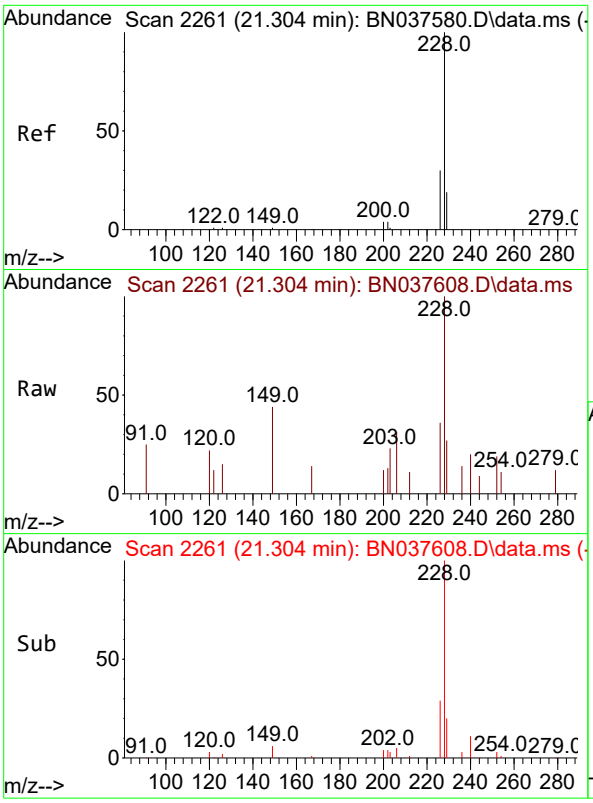


#32
Benzo(a)anthracene
Concen: 0.035 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.009 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:228 Resp: 535

Ion	Ratio	Lower	Upper
228	100		
226	35.4	21.5	32.3#
229	27.1	16.5	24.7#

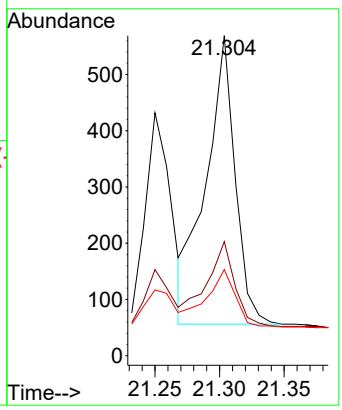




#33
Chrysene
Concen: 0.047 ng m
RT: 21.304 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:228 Resp: 81

Ion	Ratio	Lower	Upper
228	100		
226	35.7	24.9	37.3
229	26.9	15.8	23.8#



Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

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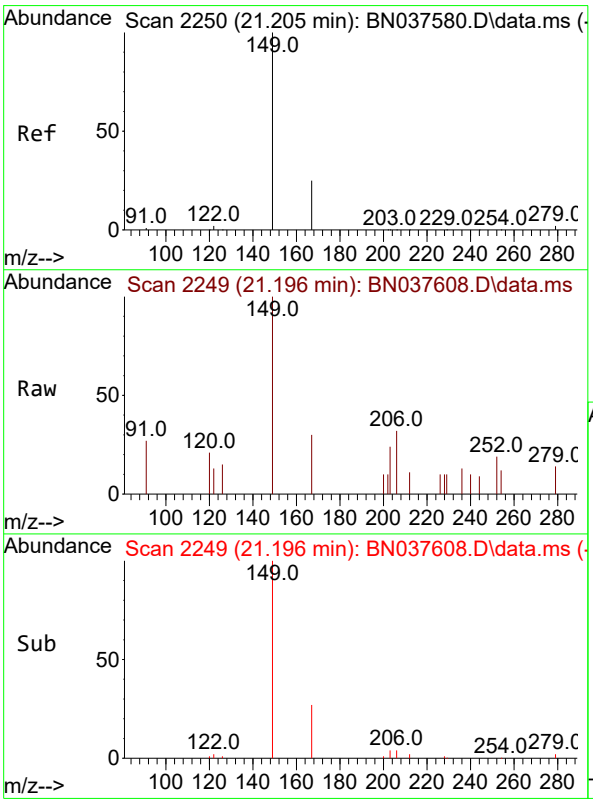
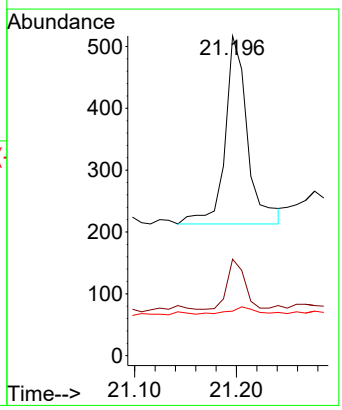
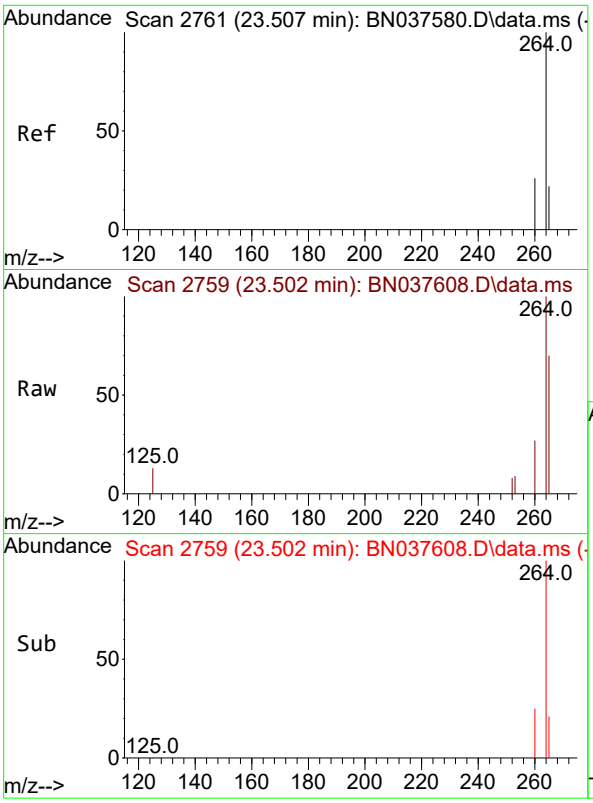


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.073 ng
RT: 21.196 min Scan# 2249
Delta R.T. -0.009 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:149 Resp: 466

Ion	Ratio	Lower	Upper
149	100		
167	20.6	20.5	30.7
279	4.3	2.6	4.0#

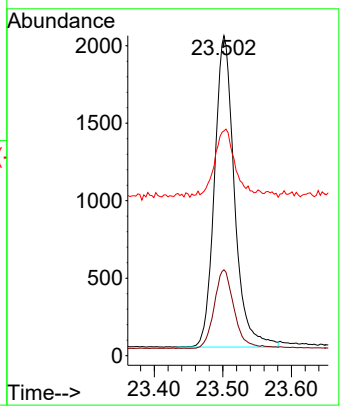




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:264 Resp: 405

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.6	32.4
265	70.3	48.2	72.4



Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

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Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037622.D
Acq On : 20 Aug 2025 06:38
Operator : RC/JU
Sample : Q2869-01DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Quant Time: Aug 20 07:24:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

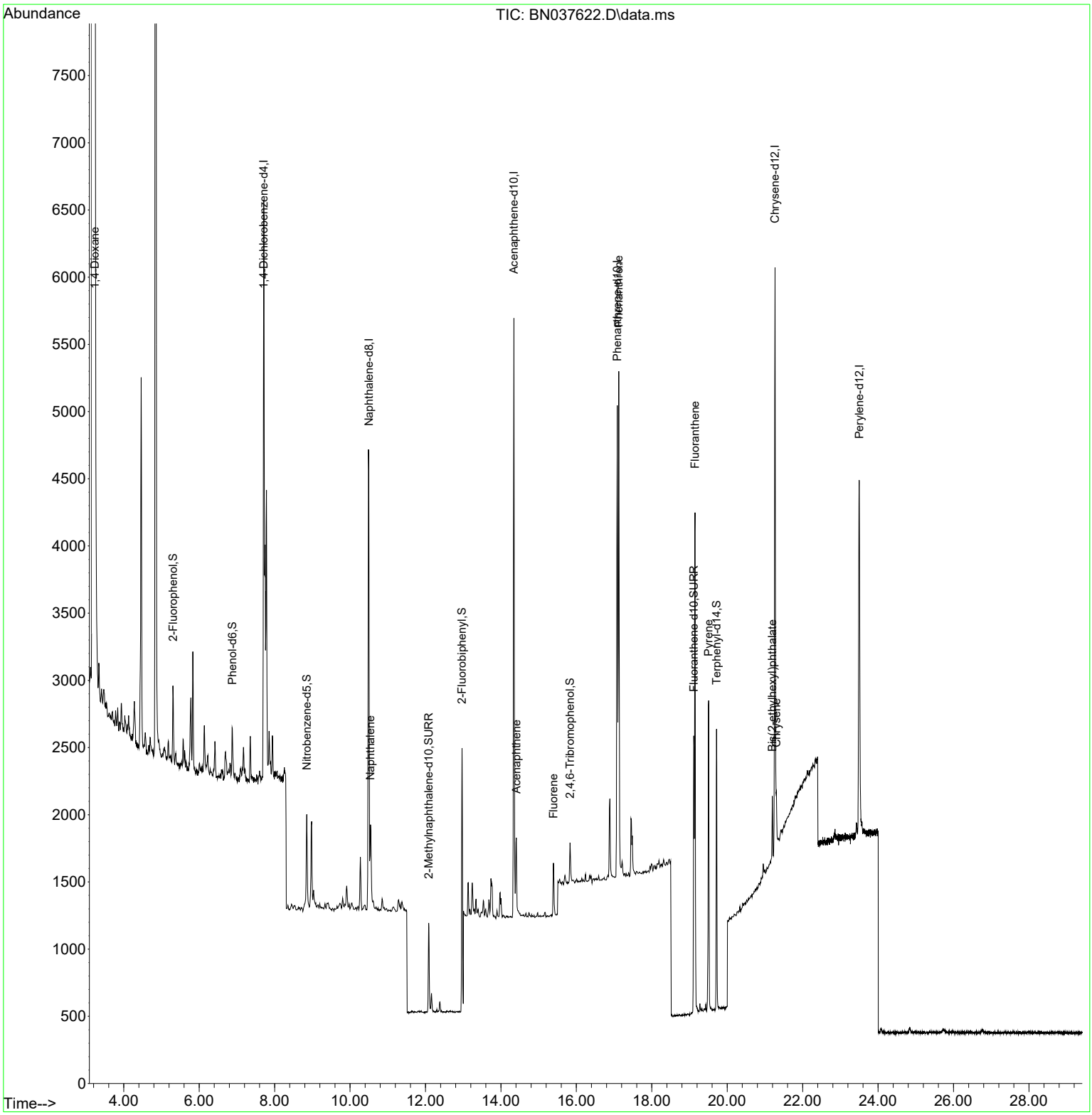
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2126	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4898	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2452	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	4999	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	4107	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	3877	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	373	0.077	ng	0.00
5) Phenol-d6	6.879	99	248	0.043	ng	0.00
8) Nitrobenzene-d5	8.854	82	589	0.171	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	968	0.145	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	191	0.178	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	2522	0.178	ng	-0.01
27) Fluoranthene-d10	19.113	212	2294	0.174	ng	0.00
31) Terphenyl-d14	19.717	244	2024	0.240	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.232	88	5395	2.652	ng	97
9) Naphthalene	10.541	128	657	0.050	ng	# 80
17) Acenaphthene	14.409	154	290	0.039	ng	96
18) Fluorene	15.392	166	293	0.030	ng	92
25) Phenanthrene	17.124	178	3918	0.258	ng	99
28) Fluoranthene	19.146	202	3362	0.193	ng	99
30) Pyrene	19.508	202	2255	0.147	ng	# 93
33) Chrysene	21.304	228	372	0.024	ng	# 73
34) Bis(2-ethylhexyl)phtha...	21.196	149	469	0.083	ng	# 98

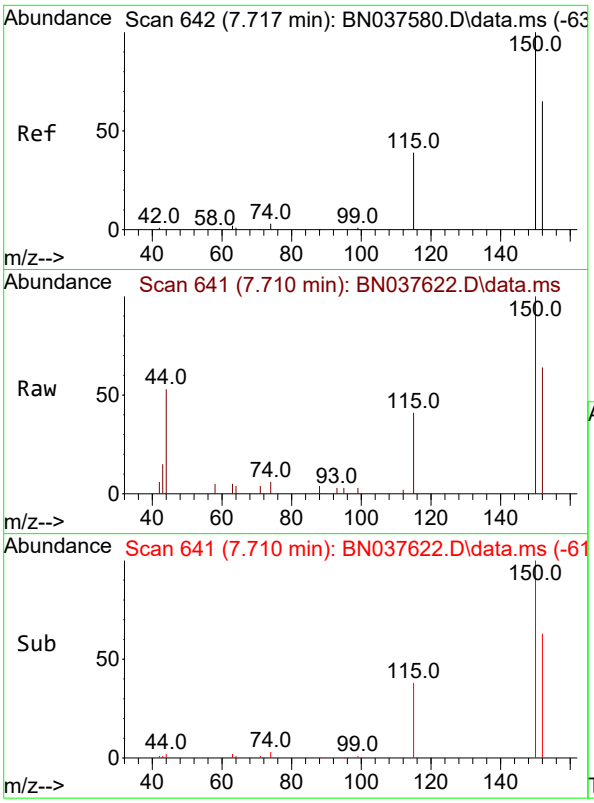
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037622.D
Acq On : 20 Aug 2025 06:38
Operator : RC/JU
Sample : Q2869-01DL 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Quant Time: Aug 20 07:24:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



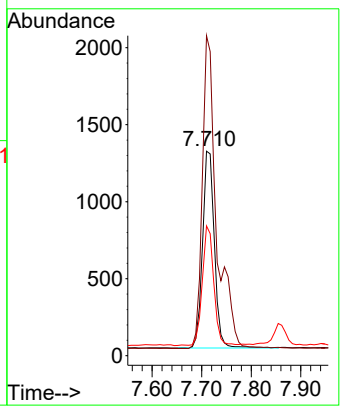


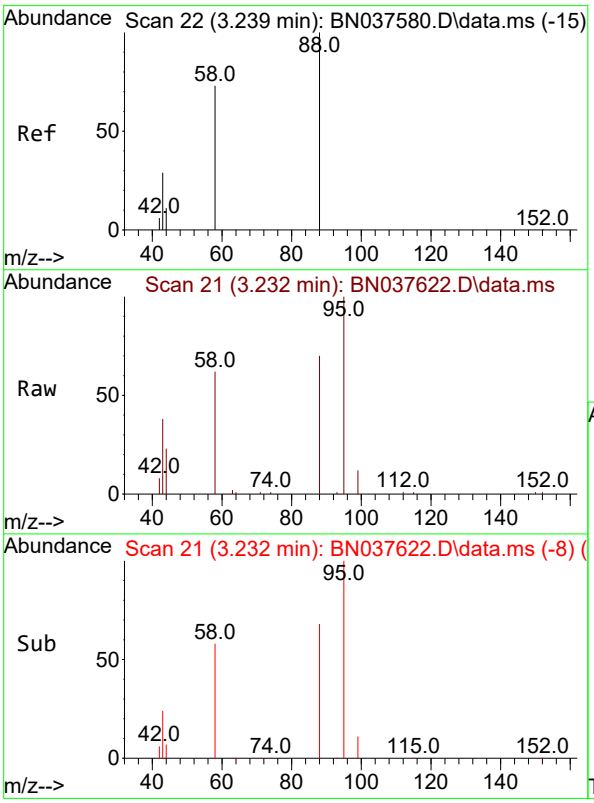
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Tgt Ion:152 Resp: 2126

Ion	Ratio	Lower	Upper
152	100		
150	156.5	122.2	183.4
115	63.5	49.8	74.6

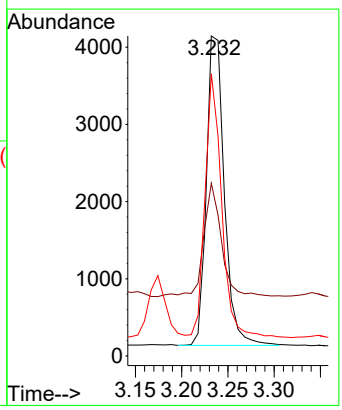


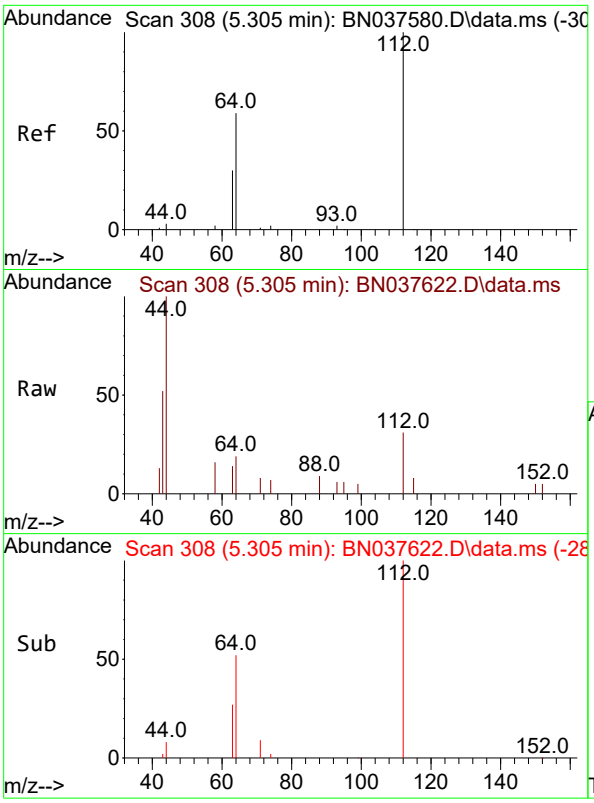


#2
1,4-Dioxane
Concen: 2.652 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion: 88 Resp: 5395

Ion	Ratio	Lower	Upper
88	100		
43	36.0	25.8	38.6
58	77.7	61.2	91.8



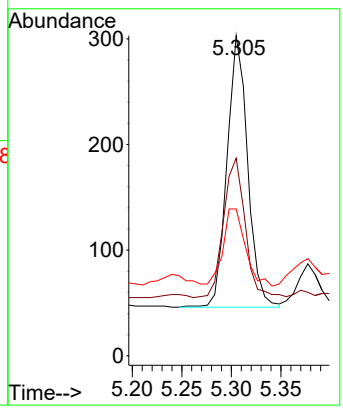


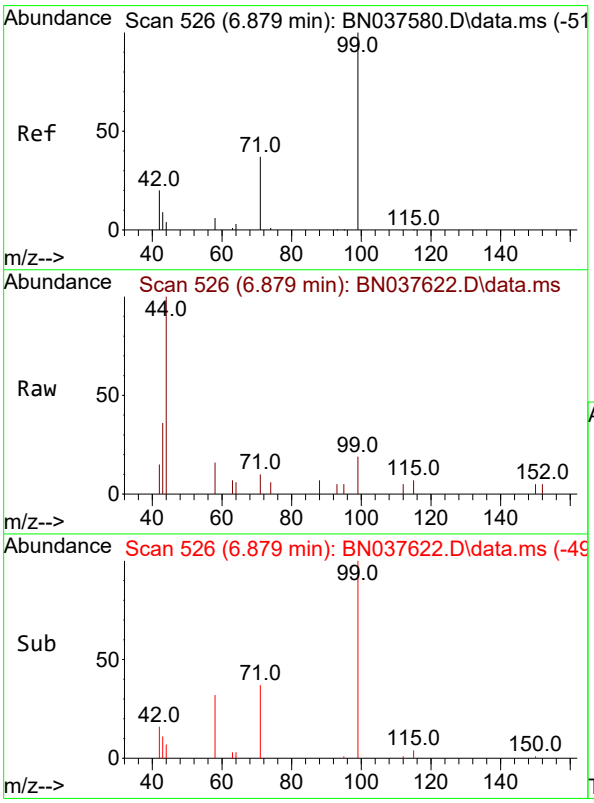
#4
2-Fluorophenol
Concen: 0.077 ng
RT: 5.305 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Tgt Ion:112 Resp: 373

Ion	Ratio	Lower	Upper
112	100		
64	53.6	44.9	67.3
63	30.6	23.4	35.2

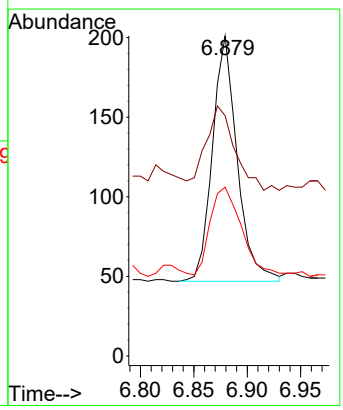


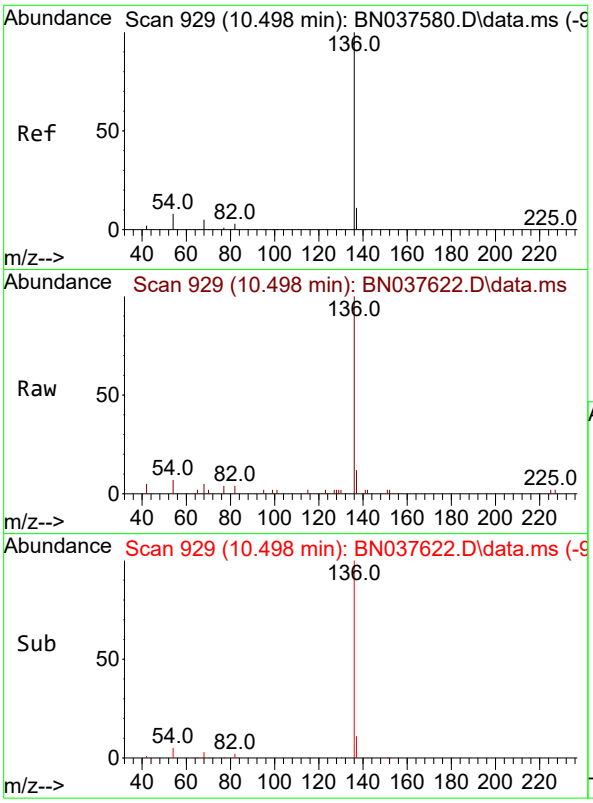


#5
Phenol-d6
Concen: 0.043 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion: 99 Resp: 248

Ion	Ratio	Lower	Upper
99	100		
42	40.7	18.5	27.7#
71	51.2	28.6	42.8#



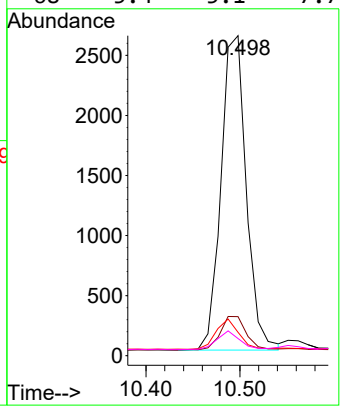


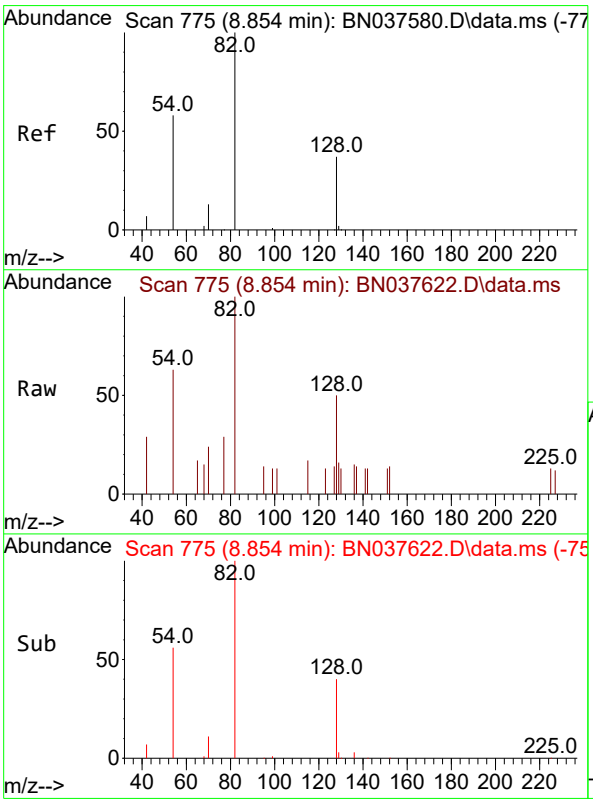
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Tgt Ion:136 Resp: 4898

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	7.3	7.3	10.9
68	5.4	5.1	7.7

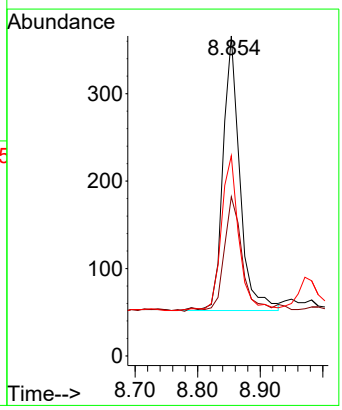


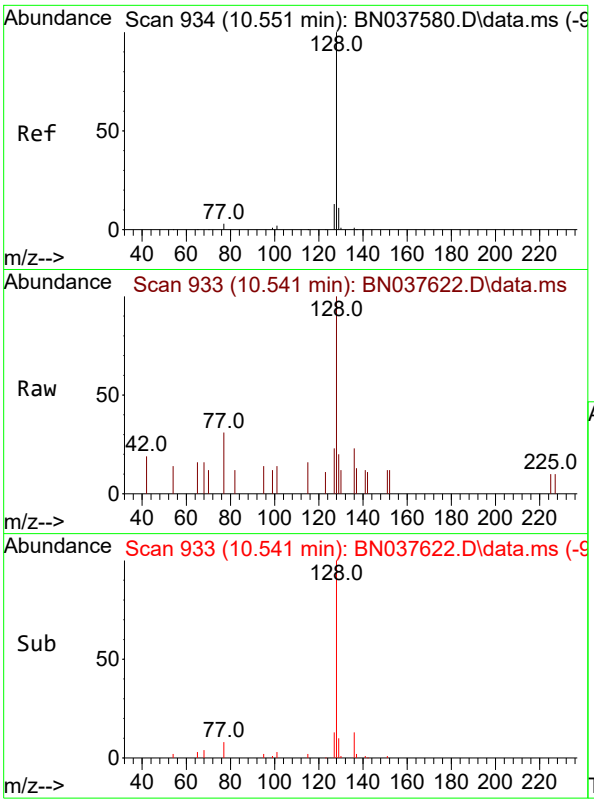


#8
Nitrobenzene-d5
Concen: 0.171 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion: 82 Resp: 589

Ion	Ratio	Lower	Upper
82	100		
128	49.7	32.6	48.8#
54	62.6	48.9	73.3



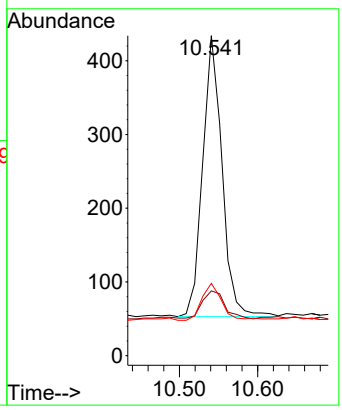


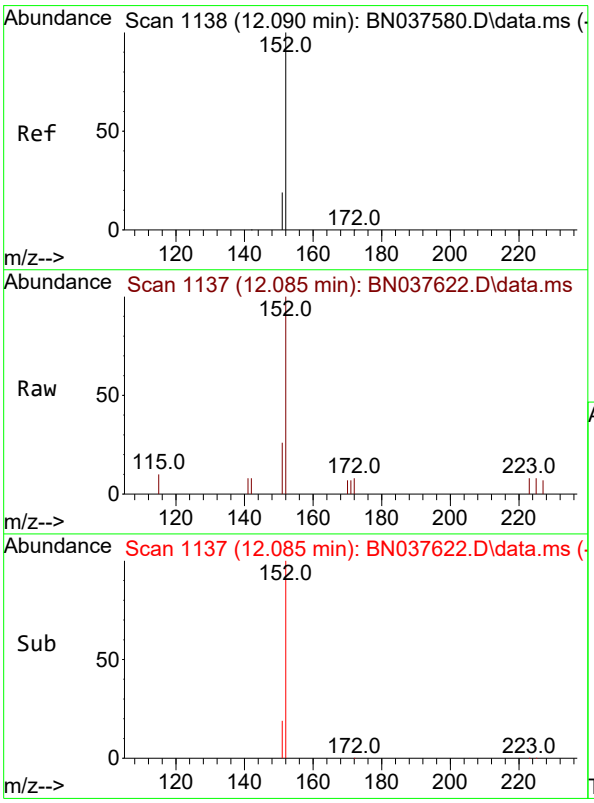
#9
Naphthalene
Concen: 0.050 ng
RT: 10.541 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Tgt Ion:128 Resp: 657

Ion	Ratio	Lower	Upper
128	100		
129	20.3	9.8	14.6#
127	22.6	11.5	17.3#

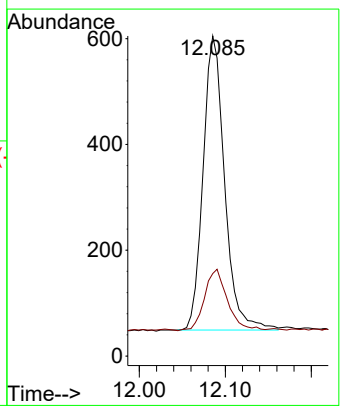


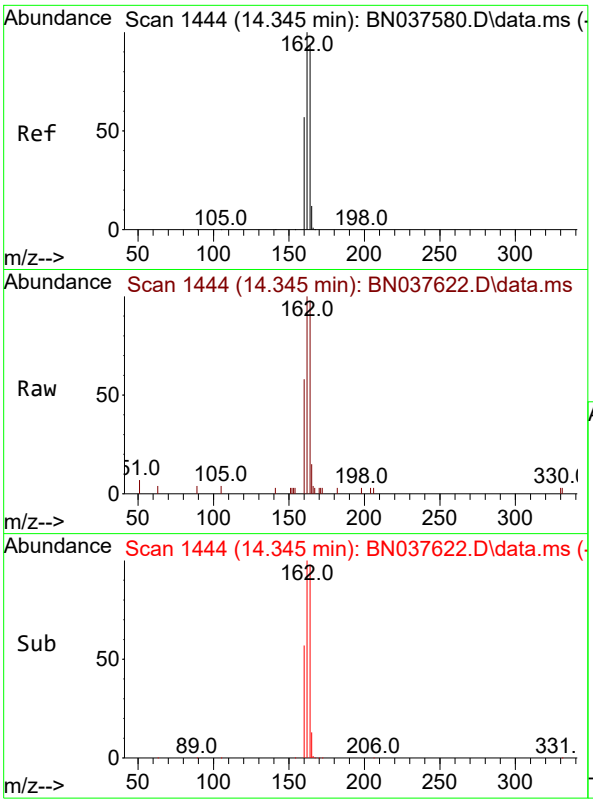


#11
2-Methylnaphthalene-d10
Concen: 0.145 ng
RT: 12.085 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:152 Resp: 968

Ion	Ratio	Lower	Upper
152	100		
151	22.2	17.3	25.9



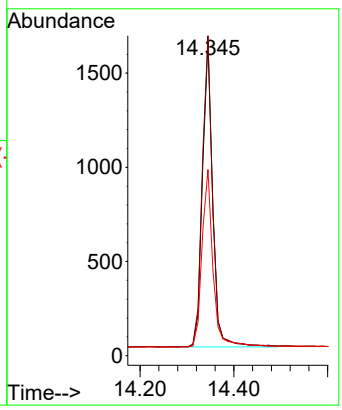


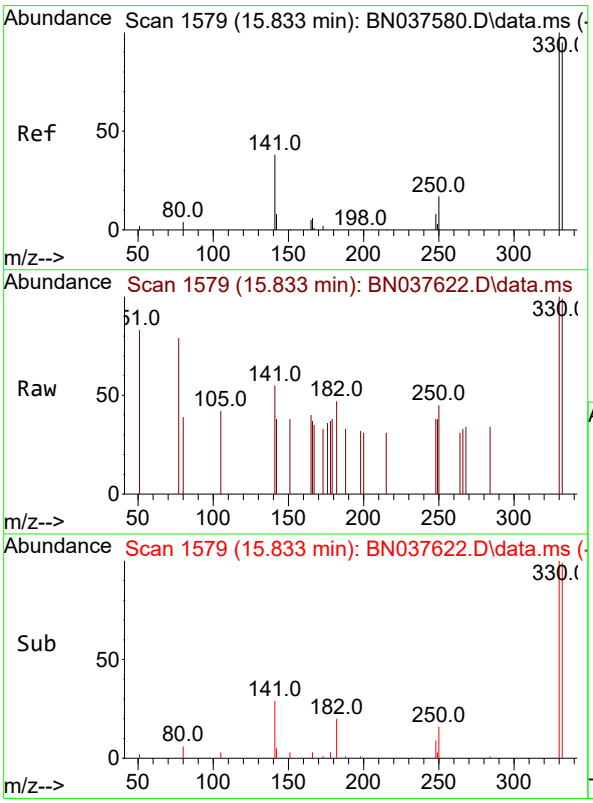
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Tgt Ion:164 Resp: 2452

Ion	Ratio	Lower	Upper
164	100		
162	102.0	85.5	128.3
160	59.3	49.5	74.3

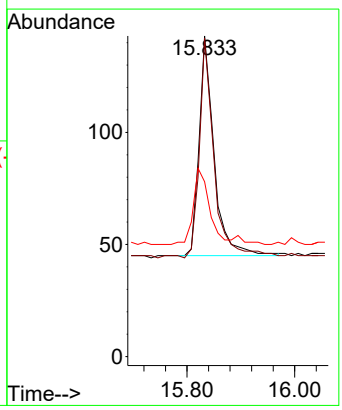


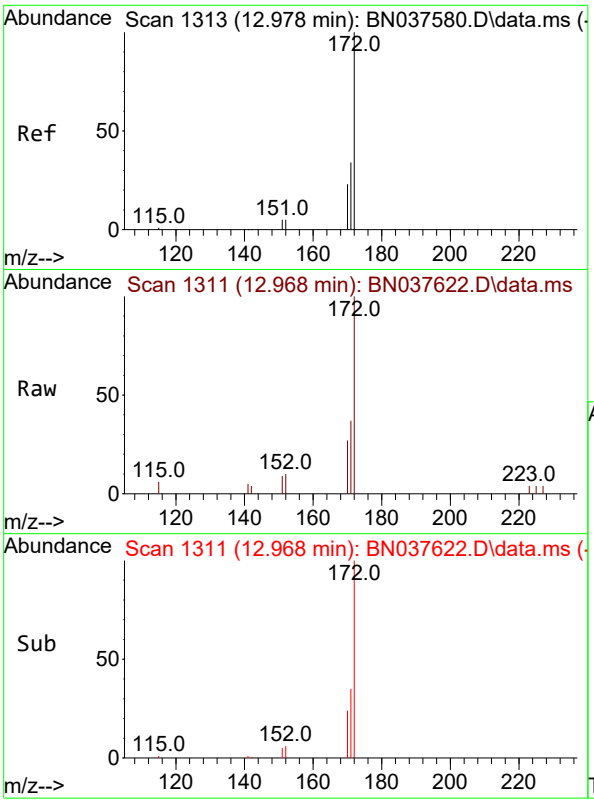


#14
2,4,6-Tribromophenol
Concen: 0.178 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:330 Resp: 191

Ion	Ratio	Lower	Upper
330	100		
332	100.0	77.4	116.0
141	37.2	30.9	46.3



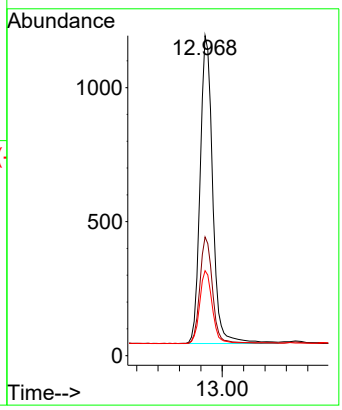


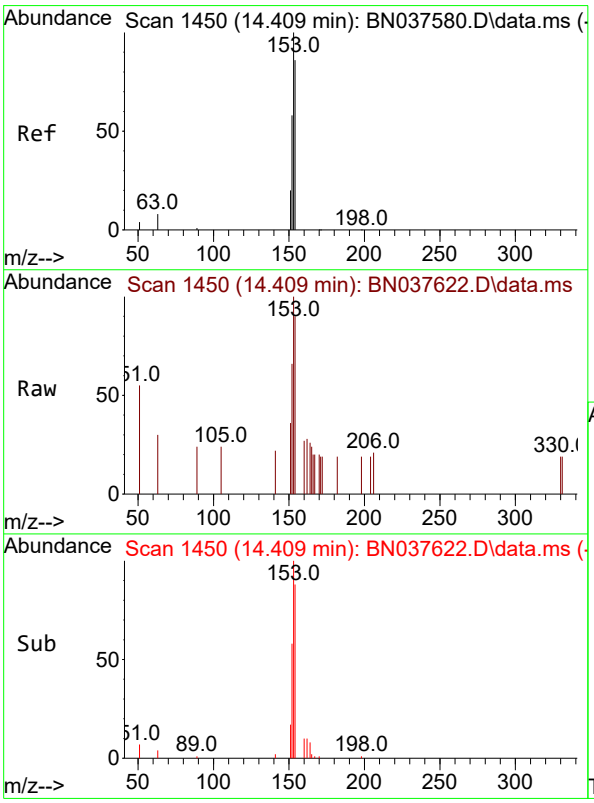
#15
2-Fluorobiphenyl
Concen: 0.178 ng
RT: 12.968 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Tgt Ion:172 Resp: 2522

Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.2	42.4
170	26.5	19.2	28.8

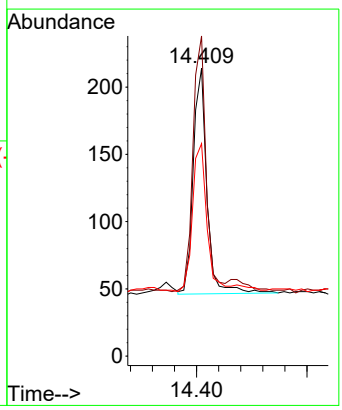


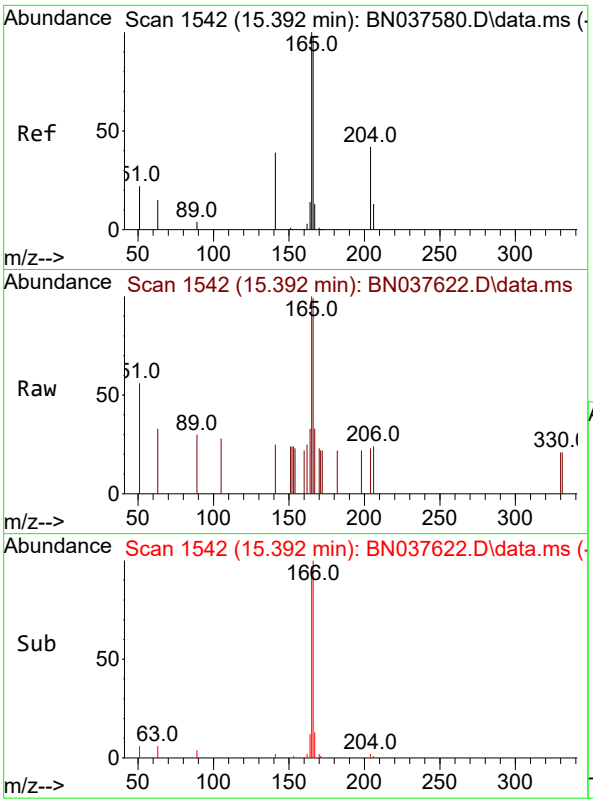


#17
Acenaphthene
Concen: 0.039 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:154 Resp: 290

Ion	Ratio	Lower	Upper
154	100		
153	108.3	90.6	135.8
152	66.6	54.9	82.3



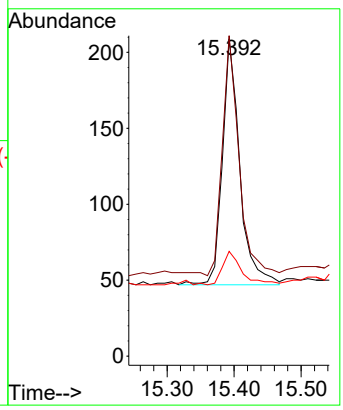


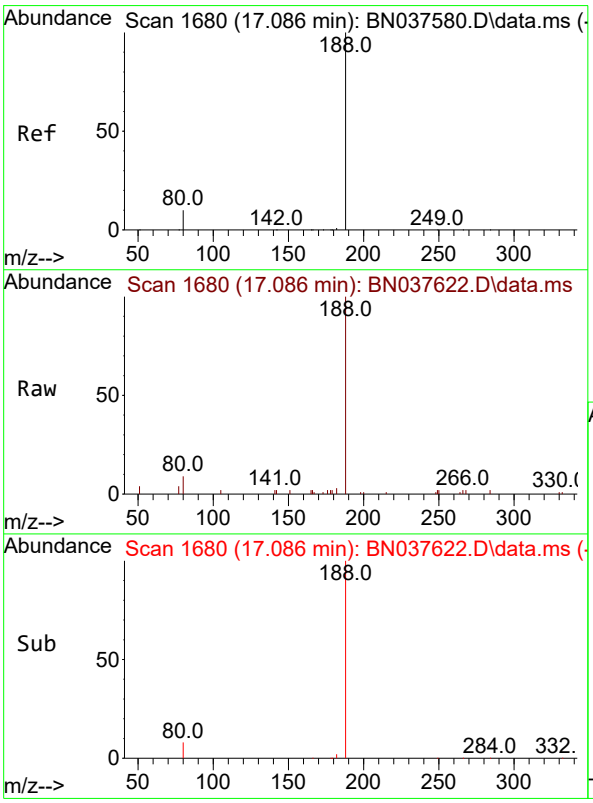
#18
Fluorene
Concen: 0.030 ng
RT: 15.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Tgt Ion:166 Resp: 293

Ion	Ratio	Lower	Upper
166	100		
165	89.8	78.9	118.3
167	15.0	10.7	16.1

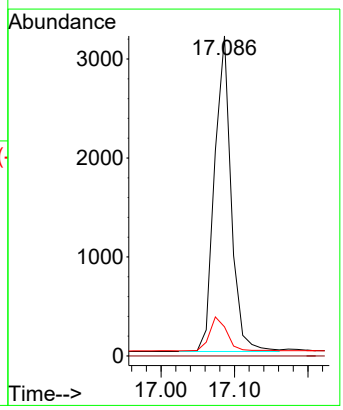


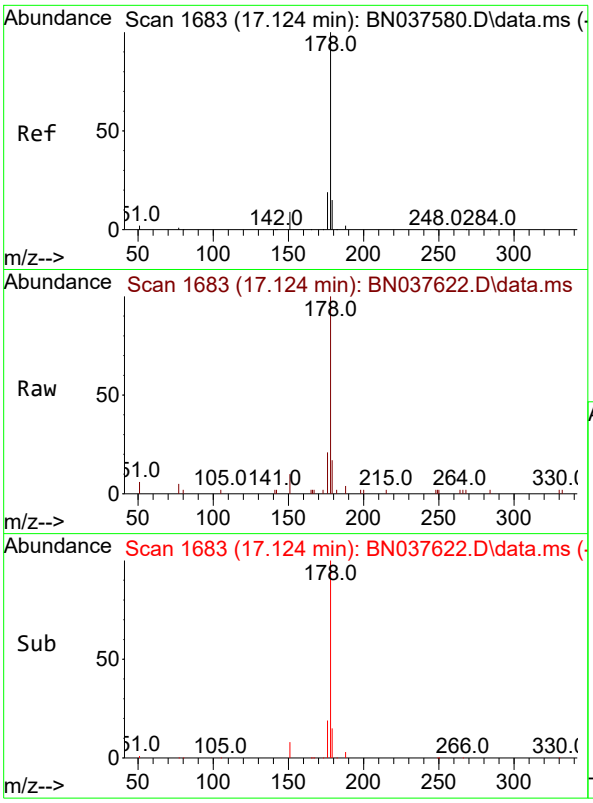


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:188 Resp: 4999

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	9.1	13.7#



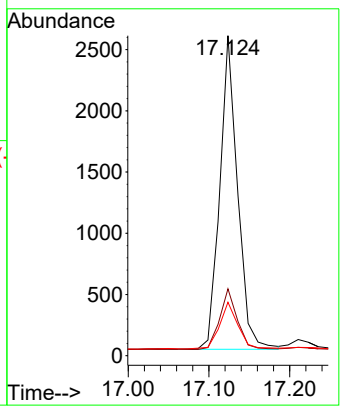


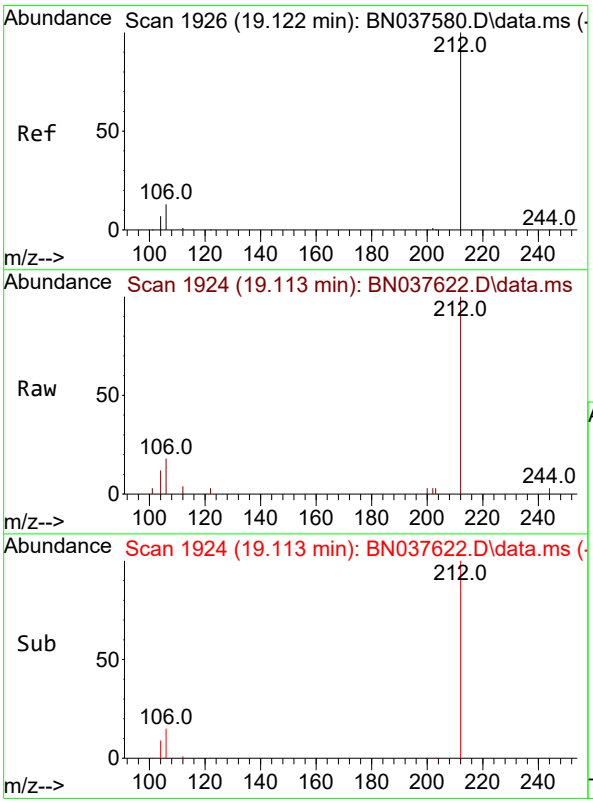
#25
Phenanthrene
Concen: 0.258 ng
RT: 17.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Tgt Ion:178 Resp: 3918

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	16.1	12.3	18.5

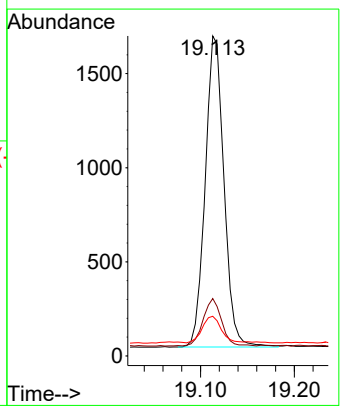


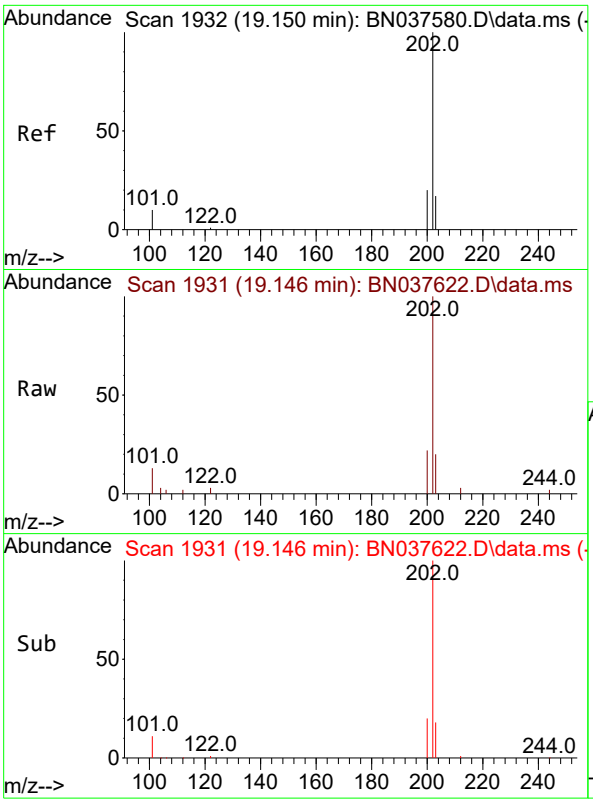


#27
Fluoranthene-d10
Concen: 0.174 ng
RT: 19.113 min Scan# 1924
Delta R.T. -0.009 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:212 Resp: 2294

Ion	Ratio	Lower	Upper
212	100		
106	14.8	11.5	17.3
104	9.5	6.6	9.8



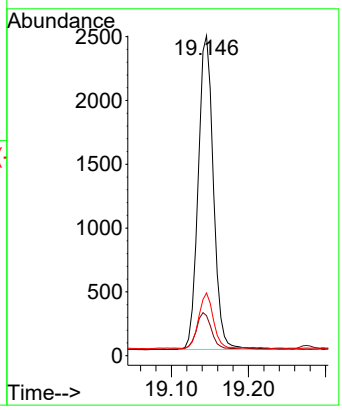


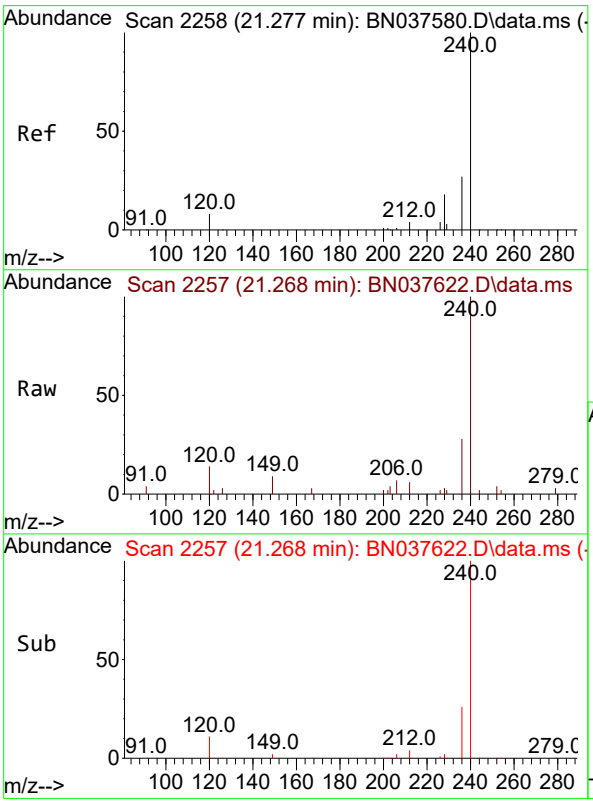
#28
Fluoranthene
Concen: 0.193 ng
RT: 19.146 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Tgt Ion:202 Resp: 3362

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.0	13.6
203	16.9	13.8	20.8

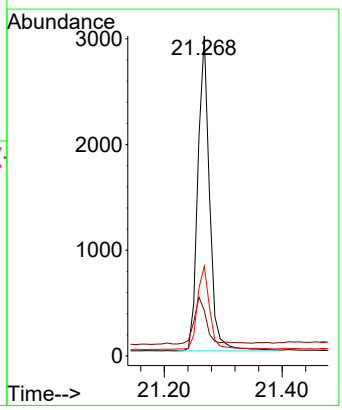


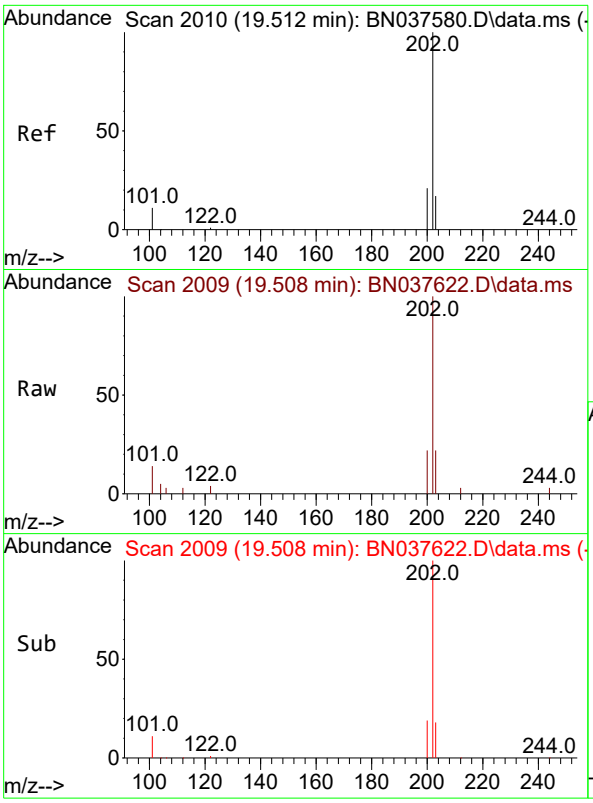


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:240 Resp: 4107

Ion	Ratio	Lower	Upper
240	100		
120	14.2	8.9	13.3#
236	28.0	22.6	33.8



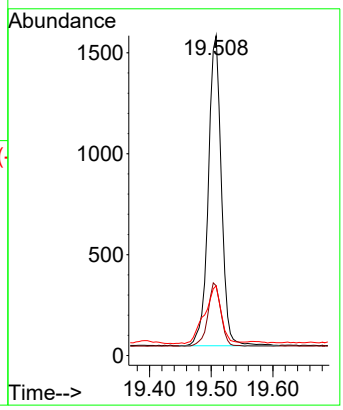


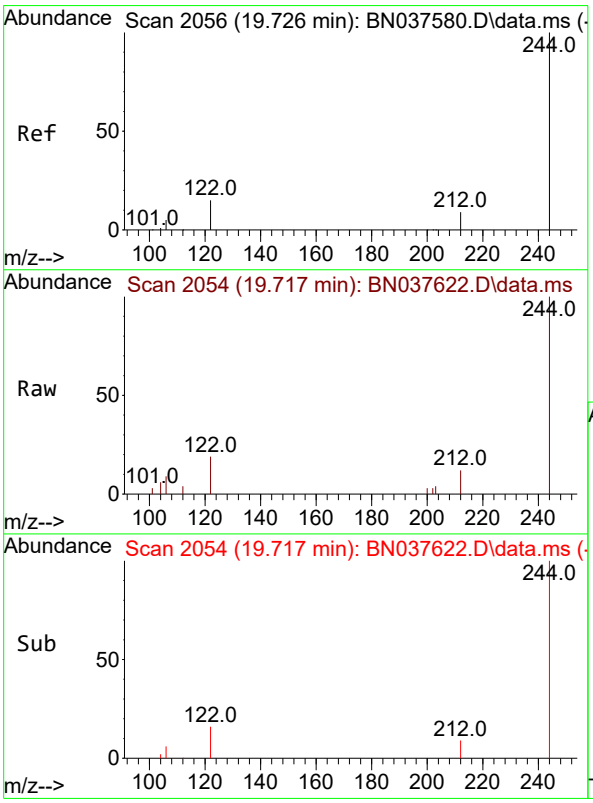
#30
Pyrene
Concen: 0.147 ng
RT: 19.508 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Tgt Ion:202 Resp: 2255

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	25.0
203	24.1	14.3	21.5#

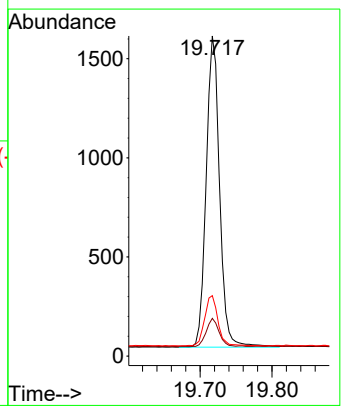


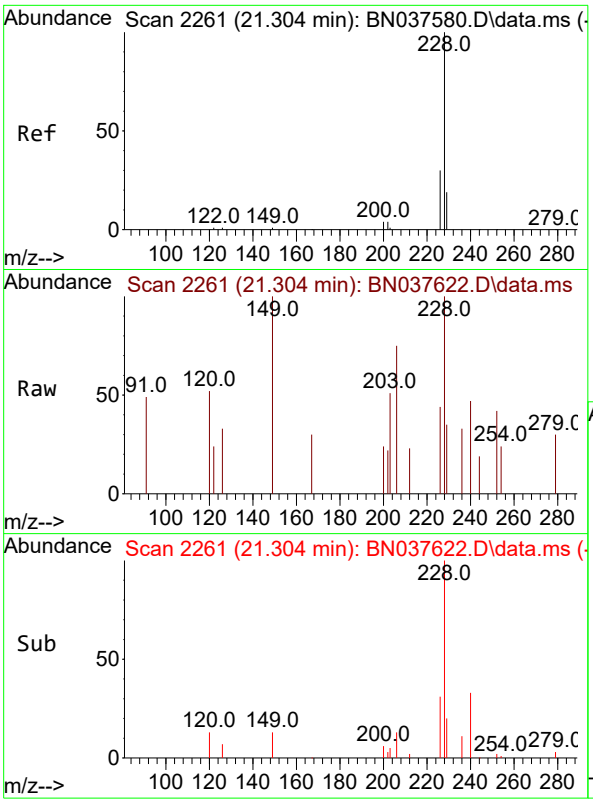


#31
Terphenyl-d14
Concen: 0.240 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:244 Resp: 2024

Ion	Ratio	Lower	Upper
244	100		
212	11.8	8.2	12.2
122	18.9	13.2	19.8



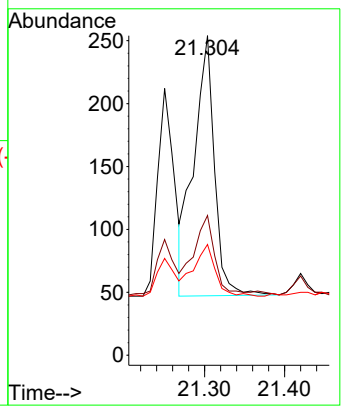


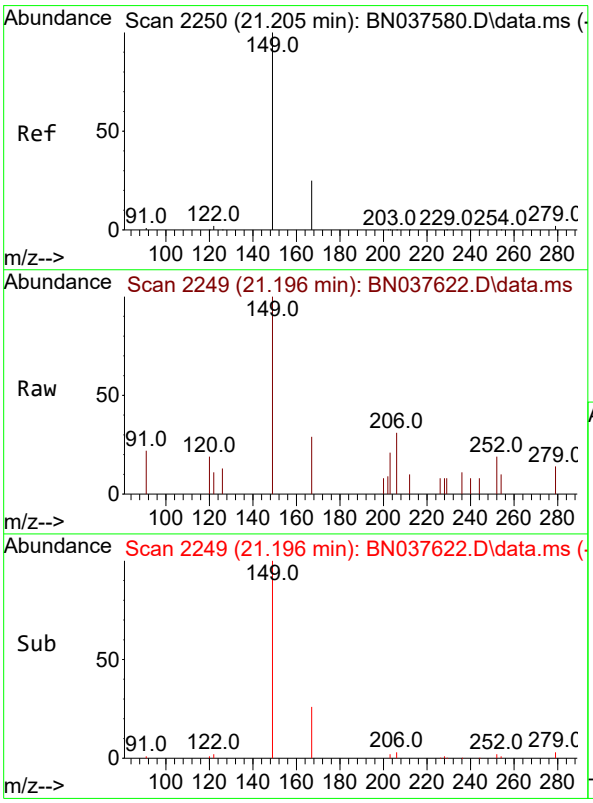
#33
Chrysene
Concen: 0.024 ng
RT: 21.304 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Tgt Ion:228 Resp: 372

Ion	Ratio	Lower	Upper
228	100		
226	43.7	24.9	37.3#
229	34.6	15.8	23.8#

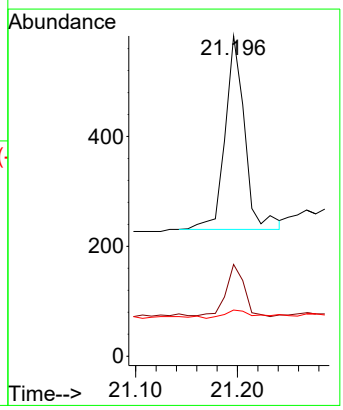


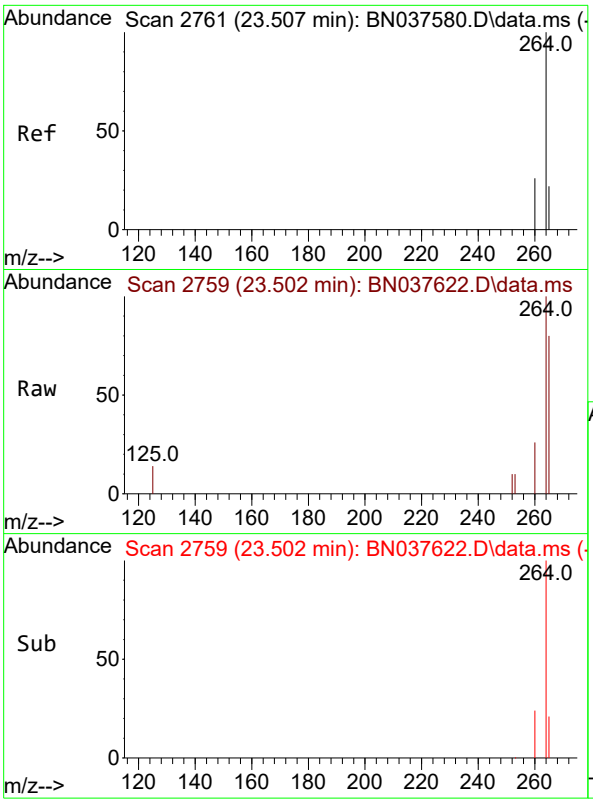


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.083 ng
RT: 21.196 min Scan# 2249
Delta R.T. -0.009 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:149 Resp: 469

Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.5	30.7
279	6.2	2.6	4.0#



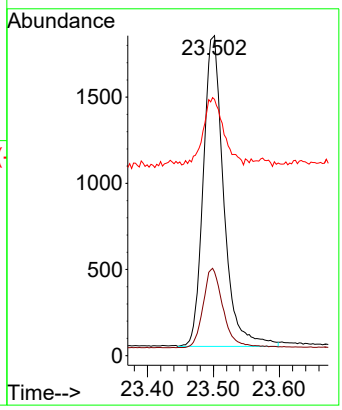


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

Tgt Ion:264 Resp: 3877

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.6	32.4
265	80.1	48.2	72.4#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037609.D
Acq On : 19 Aug 2025 16:05
Operator : RC/JU
Sample : Q2869-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

Quant Time: Aug 20 01:27:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

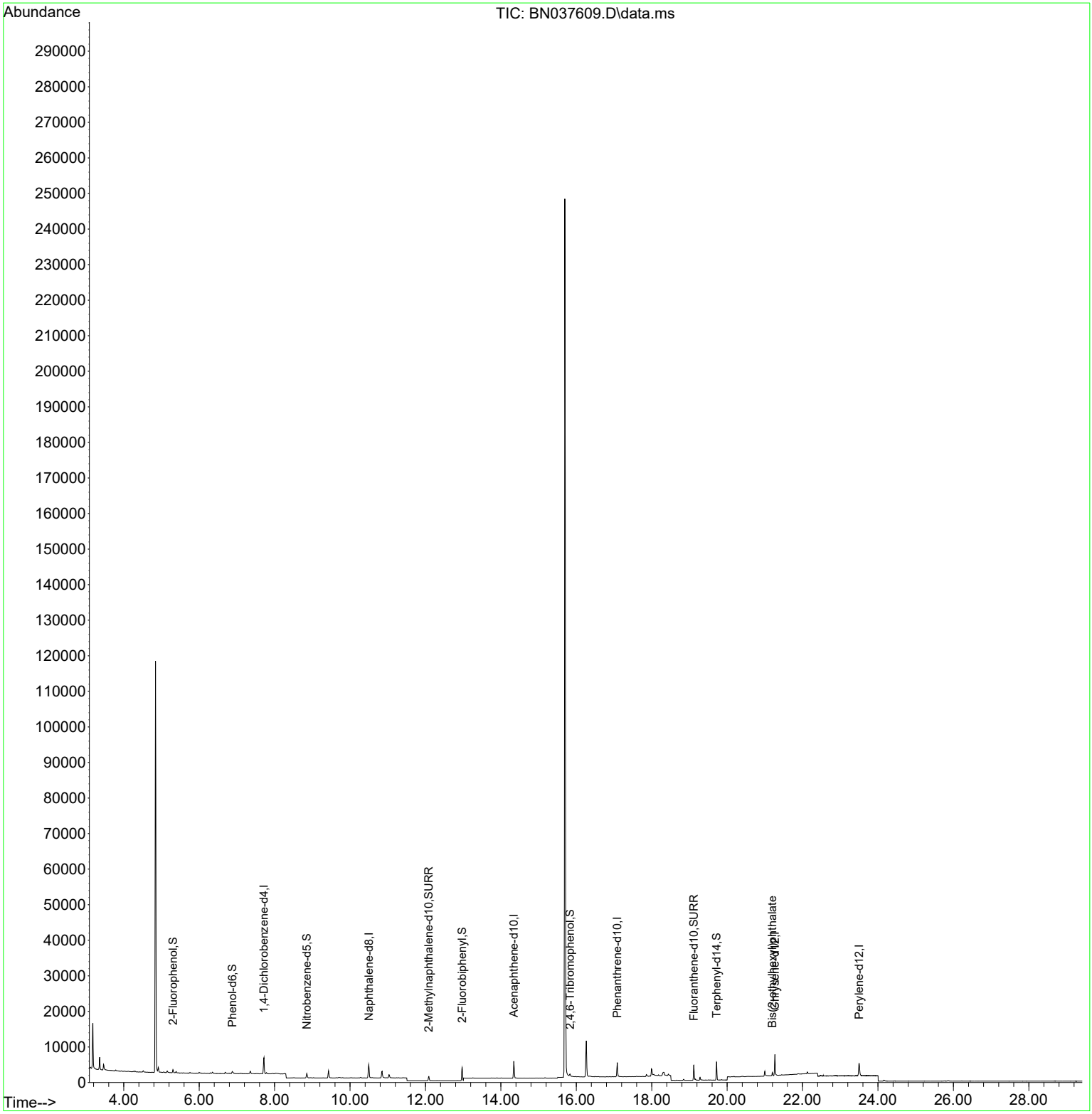
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2151	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5200	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2532	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5354	0.400	ng	0.00
29) Chrysene-d12	21.268	240	5202	0.400	ng	0.00
35) Perylene-d12	23.502	264	4969	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	653	0.134	ng	0.00
5) Phenol-d6	6.879	99	484	0.082	ng	0.00
8) Nitrobenzene-d5	8.854	82	985	0.269	ng	0.00
11) 2-Methylnaphthalene-d10	12.086	152	1652	0.234	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	370	0.334	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	4640	0.317	ng	0.00
27) Fluoranthene-d10	19.118	212	4767	0.338	ng	0.00
31) Terphenyl-d14	19.722	244	4803	0.449	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.196	149	929	0.130	ng	99

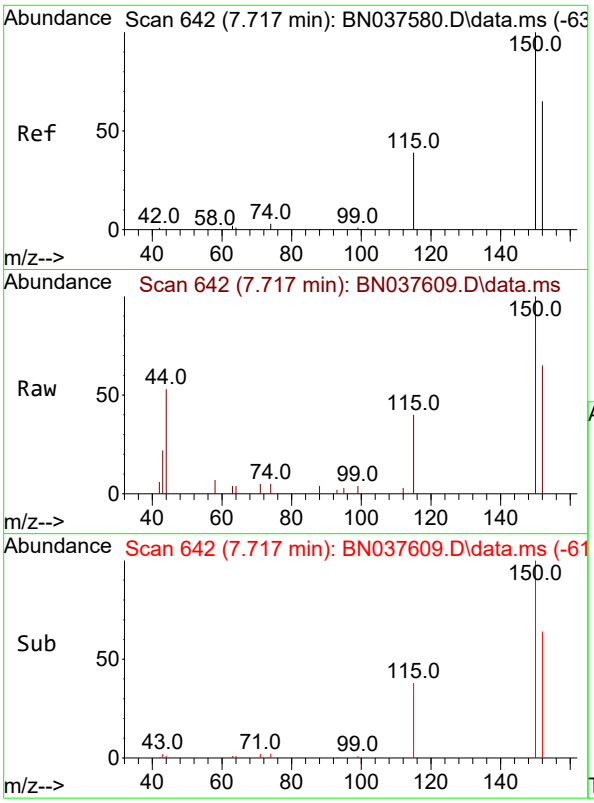
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037609.D
Acq On : 19 Aug 2025 16:05
Operator : RC/JU
Sample : Q2869-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

Quant Time: Aug 20 01:27:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



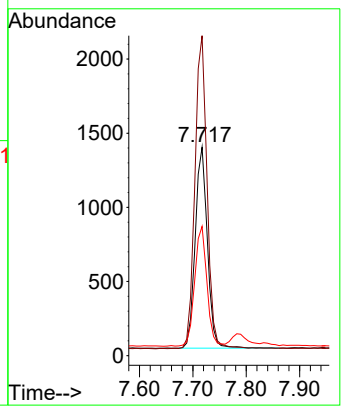


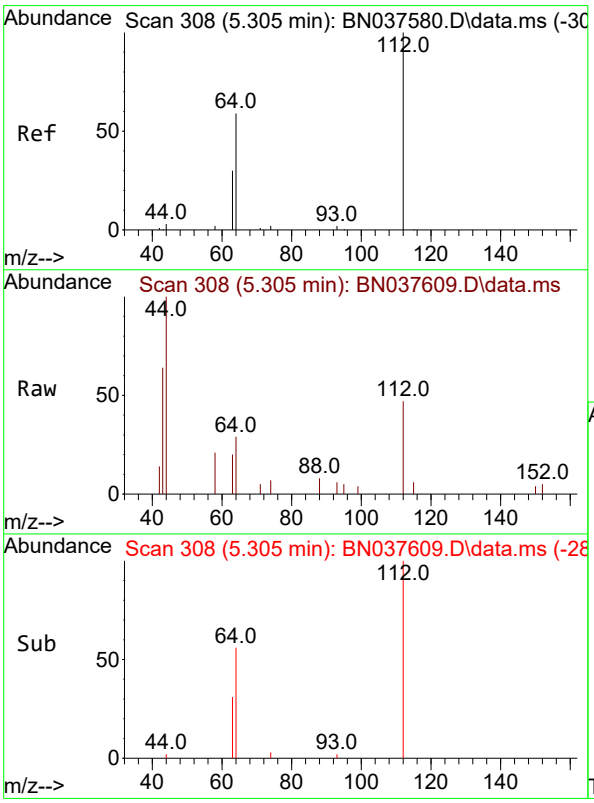
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

Tgt Ion:152 Resp: 2151

Ion	Ratio	Lower	Upper
152	100		
150	153.5	122.2	183.4
115	62.0	49.8	74.6

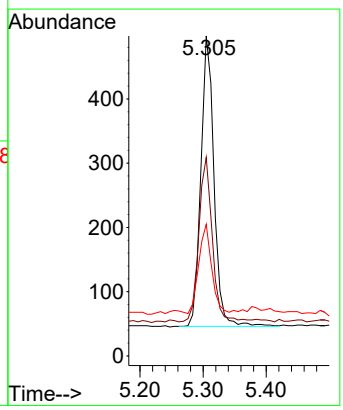


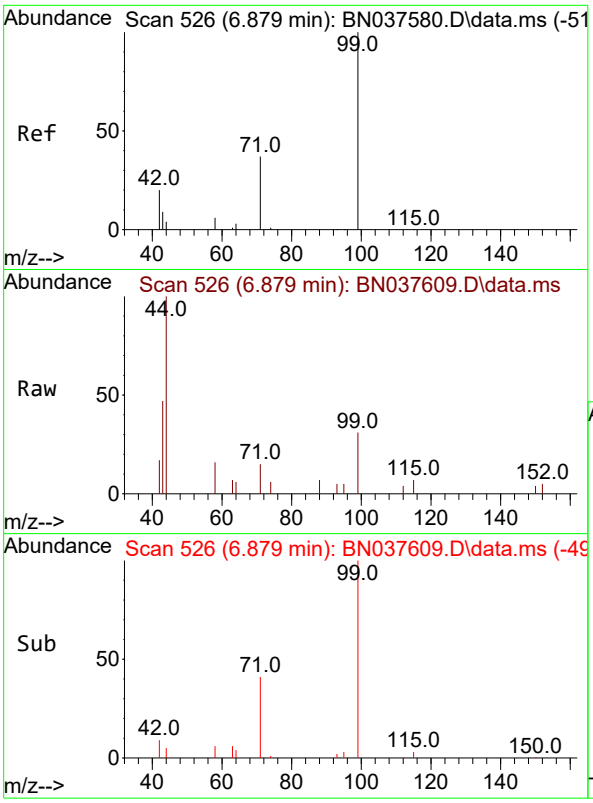


#4
2-Fluorophenol
Concen: 0.134 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Tgt Ion:112 Resp: 653

Ion	Ratio	Lower	Upper
112	100		
64	58.2	44.9	67.3
63	30.3	23.4	35.2



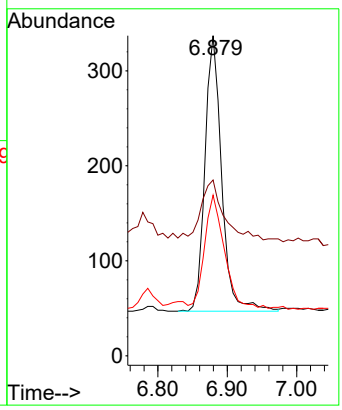


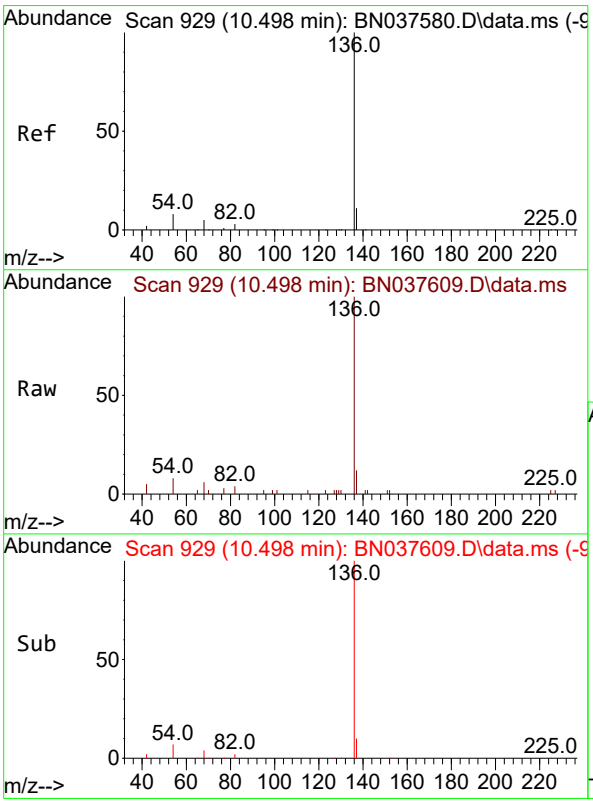
#5
Phenol-d6
Concen: 0.082 ng
RT: 6.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

Tgt Ion: 99 Resp: 484

Ion	Ratio	Lower	Upper
99	100		
42	32.2	18.5	27.7#
71	47.1	28.6	42.8#

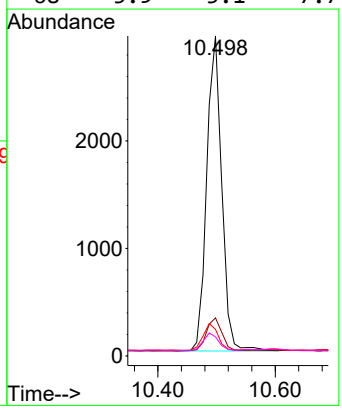


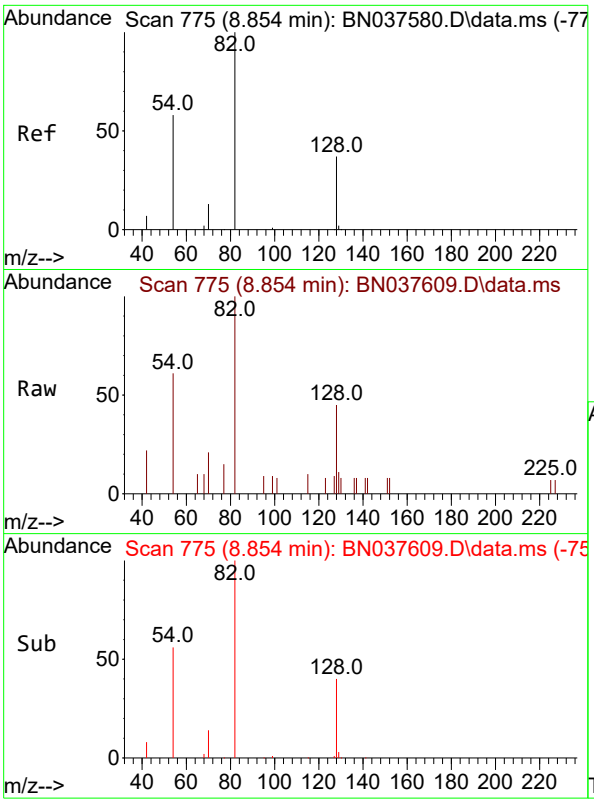


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Tgt Ion:136 Resp: 5200

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	8.3	7.3	10.9
68	5.9	5.1	7.7



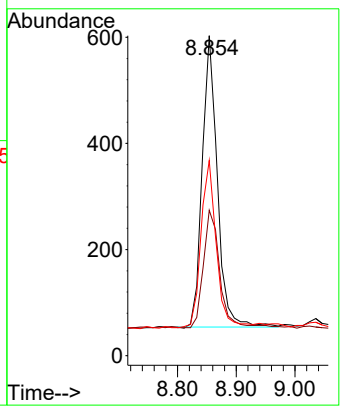


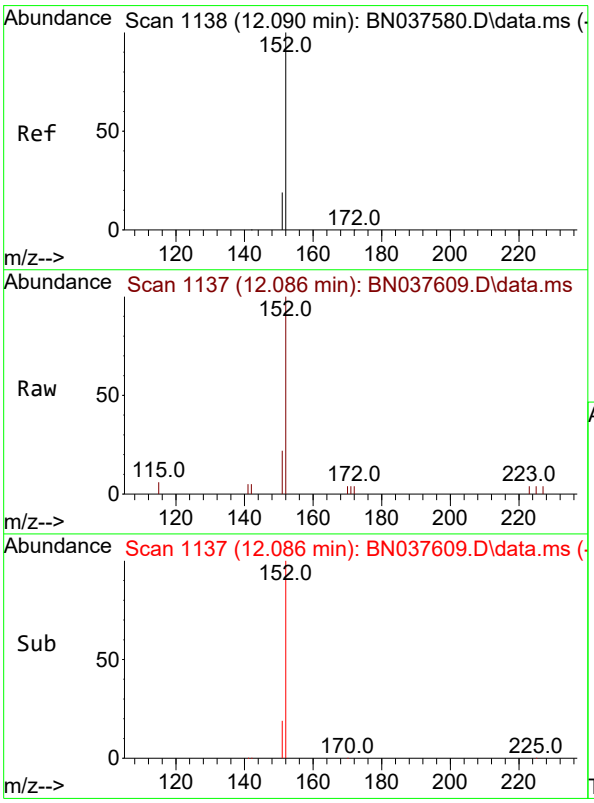
#8
Nitrobenzene-d5
Concen: 0.269 ng
RT: 8.854 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

Tgt Ion: 82 Resp: 985

Ion	Ratio	Lower	Upper
82	100		
128	45.4	32.6	48.8
54	61.0	48.9	73.3

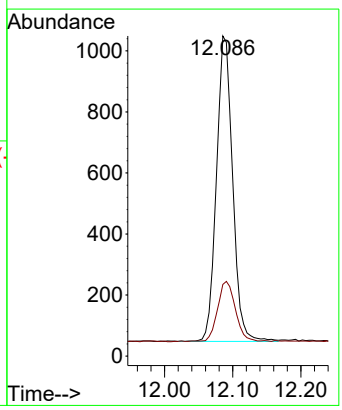


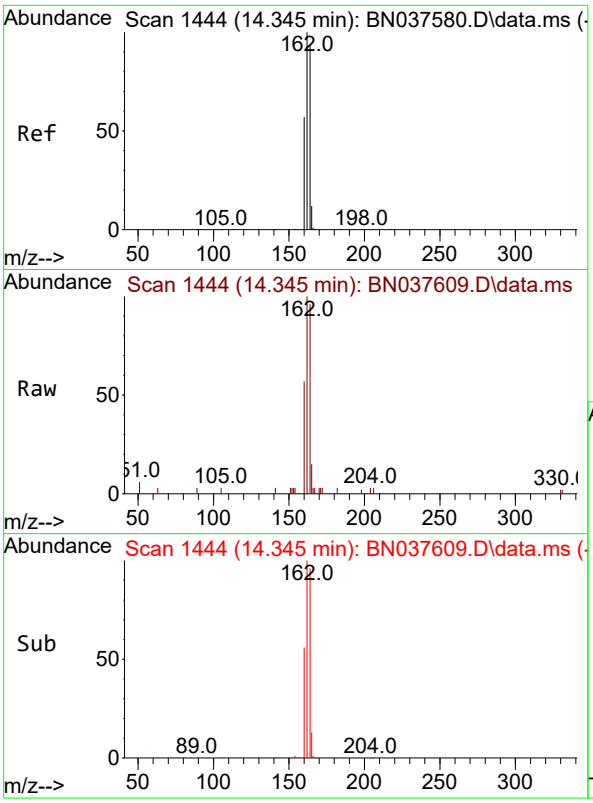


#11
2-Methylnaphthalene-d10
Concen: 0.234 ng
RT: 12.086 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Tgt Ion:152 Resp: 1652

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.3	25.9



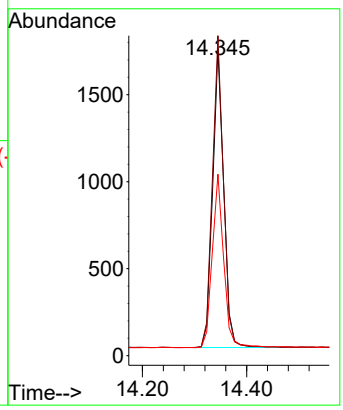


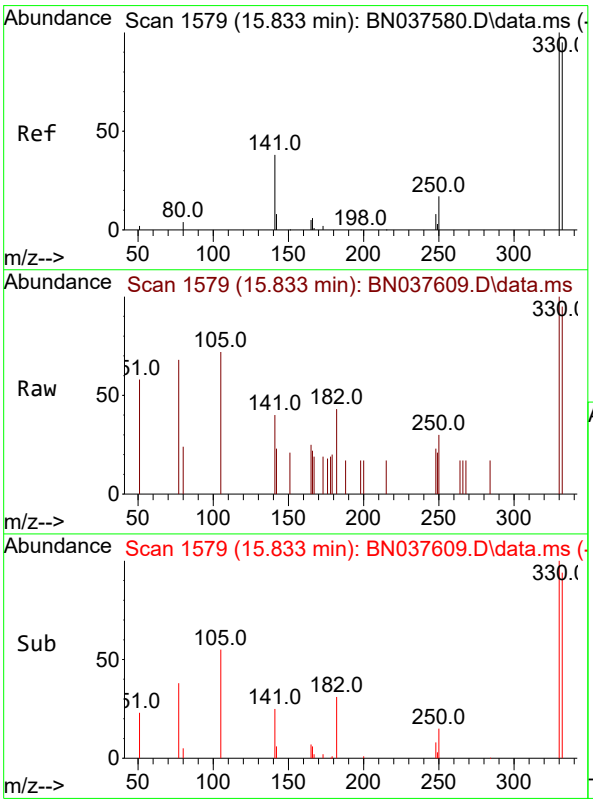
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

Tgt Ion:164 Resp: 2532

Ion	Ratio	Lower	Upper
164	100		
162	104.2	85.5	128.3
160	59.1	49.5	74.3

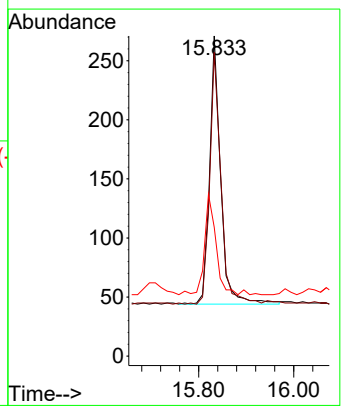


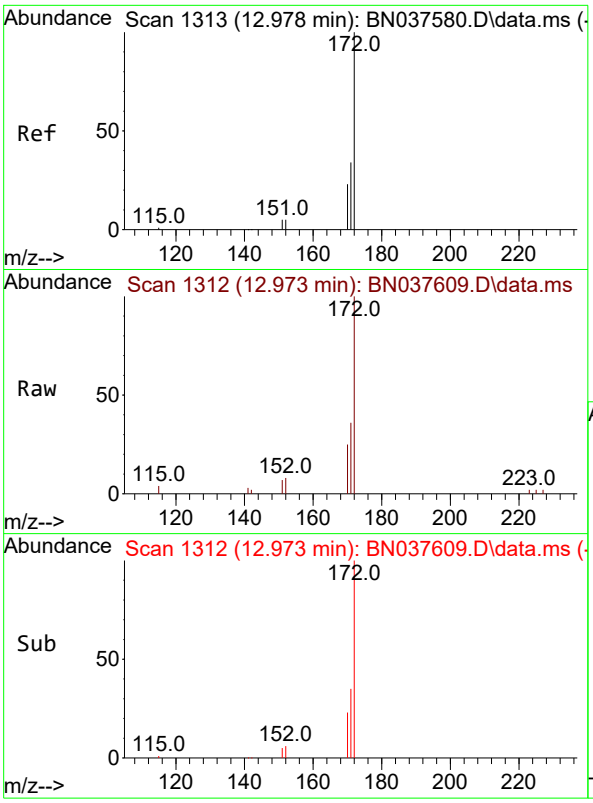


#14
2,4,6-Tribromophenol
Concen: 0.334 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Tgt Ion:330 Resp: 370

Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.4	116.0
141	38.1	30.9	46.3



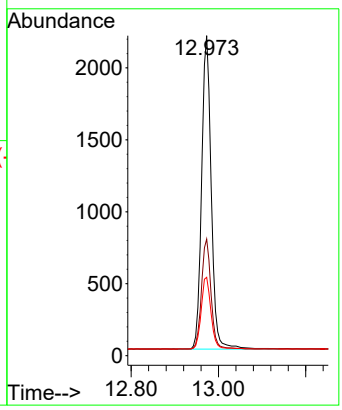


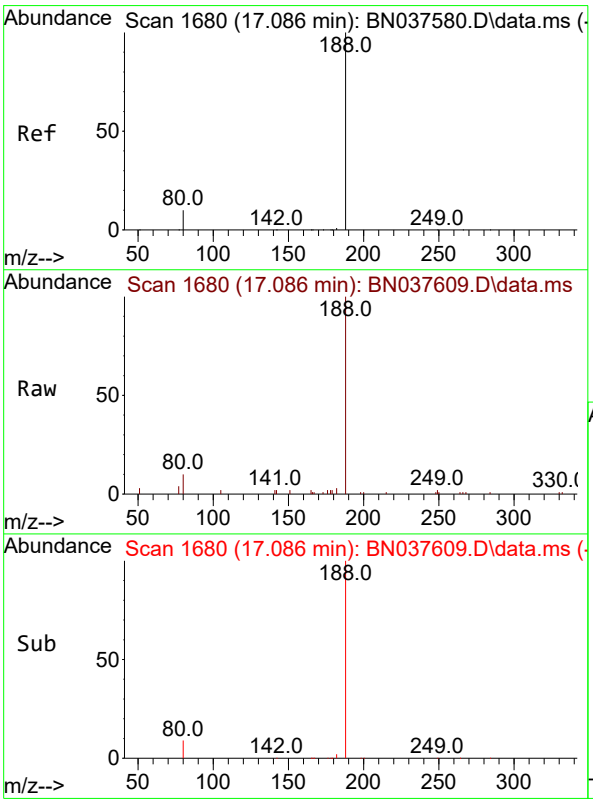
#15
2-Fluorobiphenyl
Concen: 0.317 ng
RT: 12.973 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

Tgt Ion:172 Resp: 4640

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.2	42.4
170	24.5	19.2	28.8

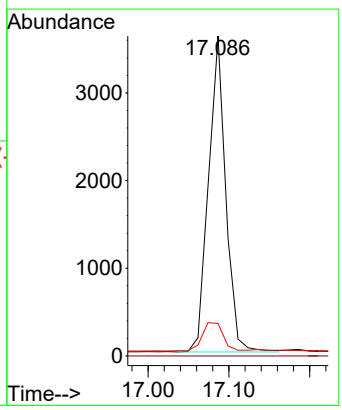


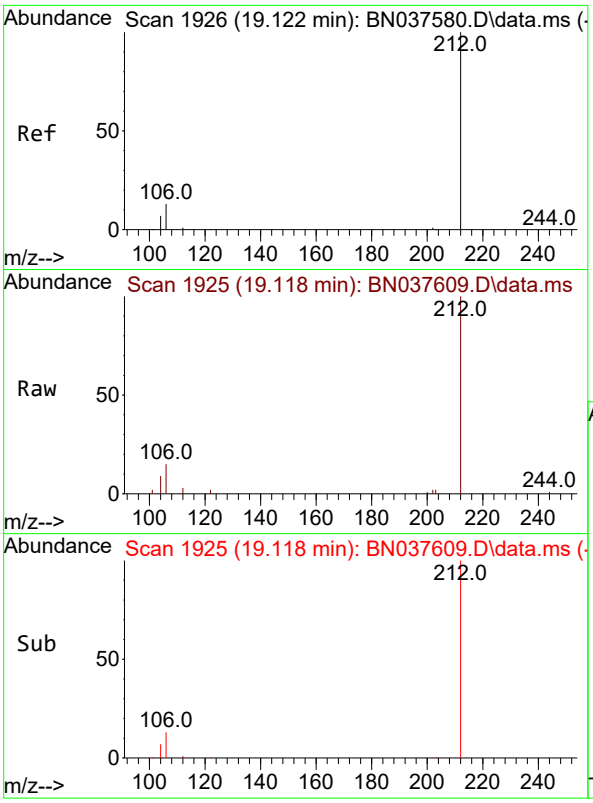


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Tgt Ion:188 Resp: 5354

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	9.1	13.7



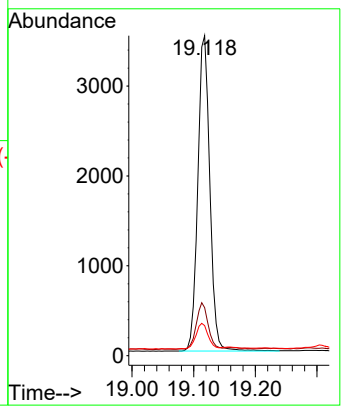


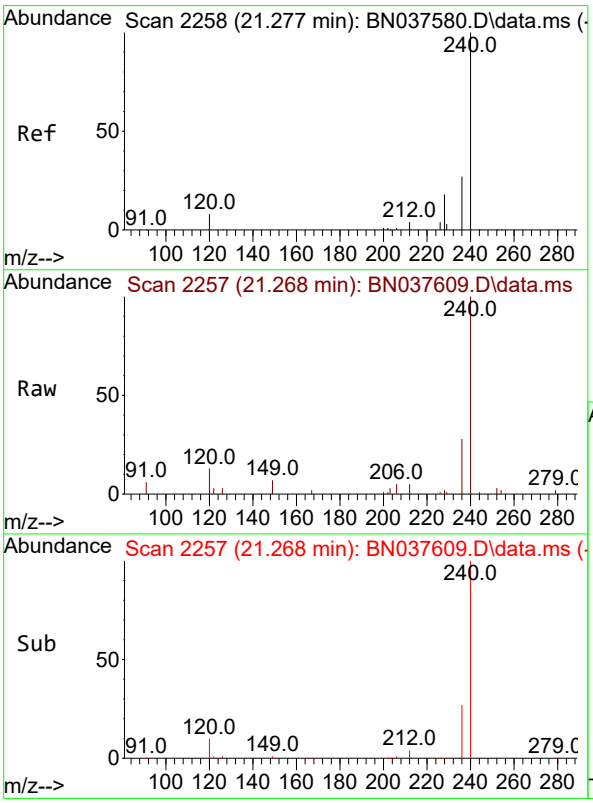
#27
Fluoranthene-d10
Concen: 0.338 ng
RT: 19.118 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

Tgt Ion:212 Resp: 4767

Ion	Ratio	Lower	Upper
212	100		
106	14.6	11.5	17.3
104	8.2	6.6	9.8

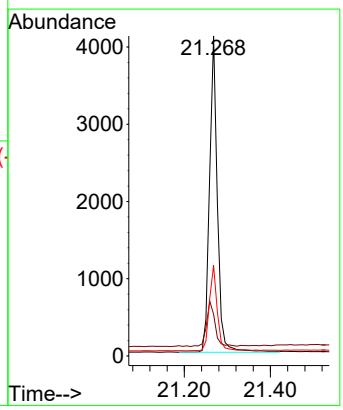


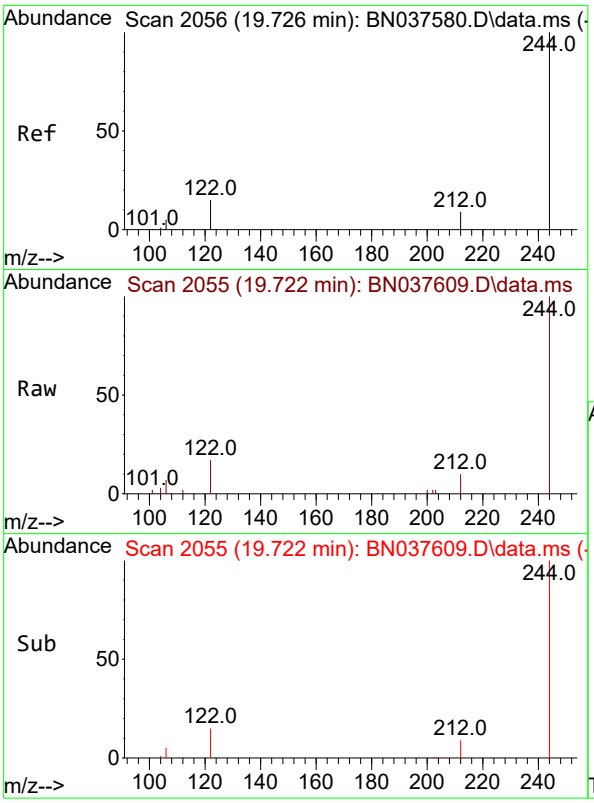


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Tgt Ion:240 Resp: 5202

Ion	Ratio	Lower	Upper
240	100		
120	13.0	8.9	13.3
236	28.3	22.6	33.8



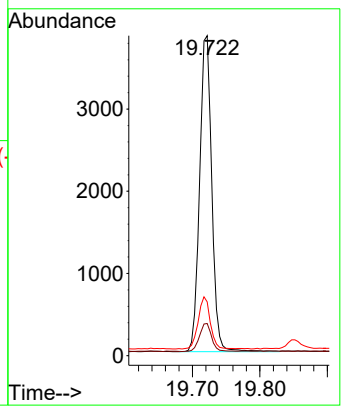


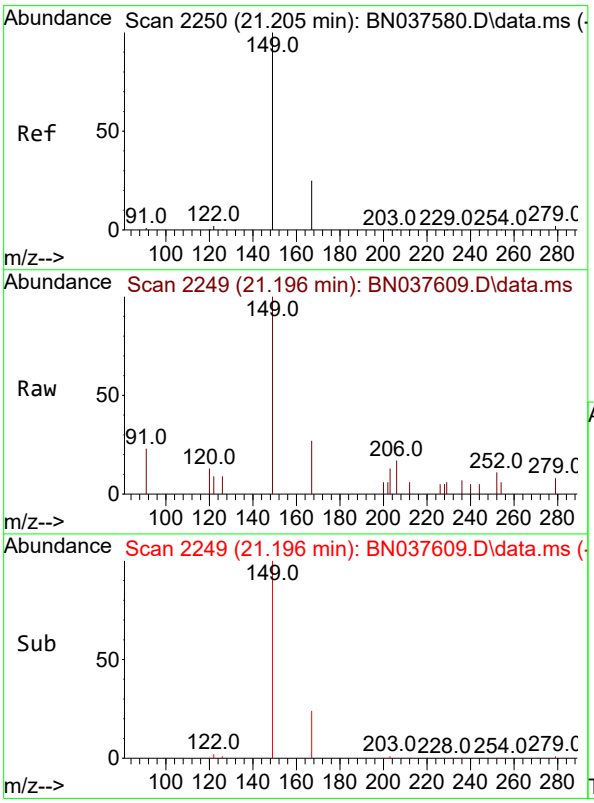
#31
Terphenyl-d14
Concen: 0.449 ng
RT: 19.722 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

Tgt Ion:244 Resp: 4803

Ion	Ratio	Lower	Upper
244	100		
212	10.0	8.2	12.2
122	16.8	13.2	19.8

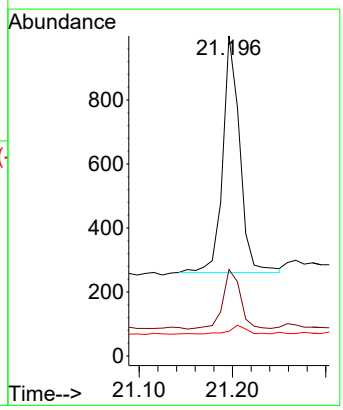


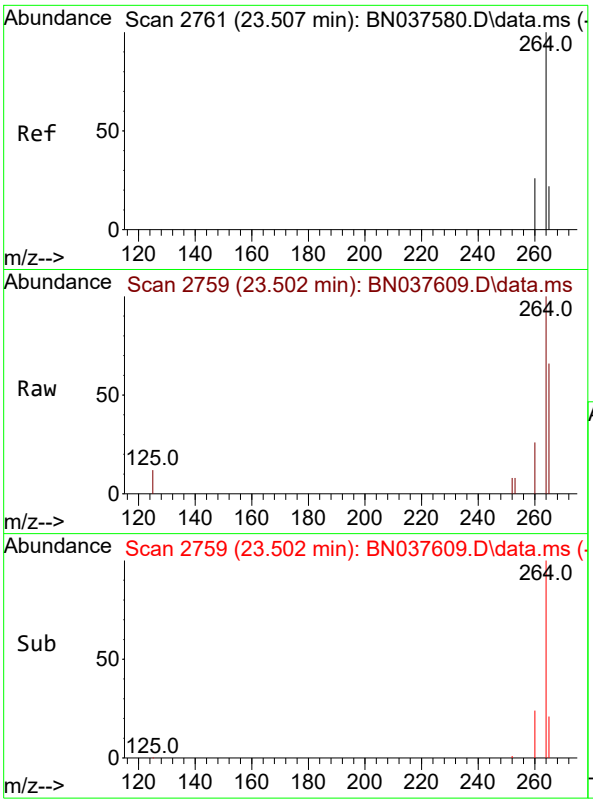


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.130 ng
RT: 21.196 min Scan# 2249
Delta R.T. -0.009 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Tgt Ion:149 Resp: 929

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.5	30.7
279	3.4	2.6	4.0



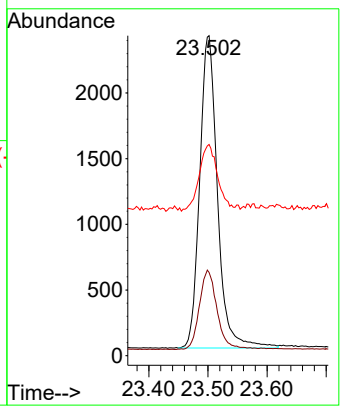


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037609.D
Acq: 19 Aug 2025 16:05

Instrument :
BNA_N
ClientSampleId :
MW-01-6.5-081325

Tgt Ion:264 Resp: 4969

Ion	Ratio	Lower	Upper
264	100		
260	26.0	21.6	32.4
265	66.0	48.2	72.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037610.D
Acq On : 19 Aug 2025 16:42
Operator : RC/JU
Sample : Q2869-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

Quant Time: Aug 20 01:27:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

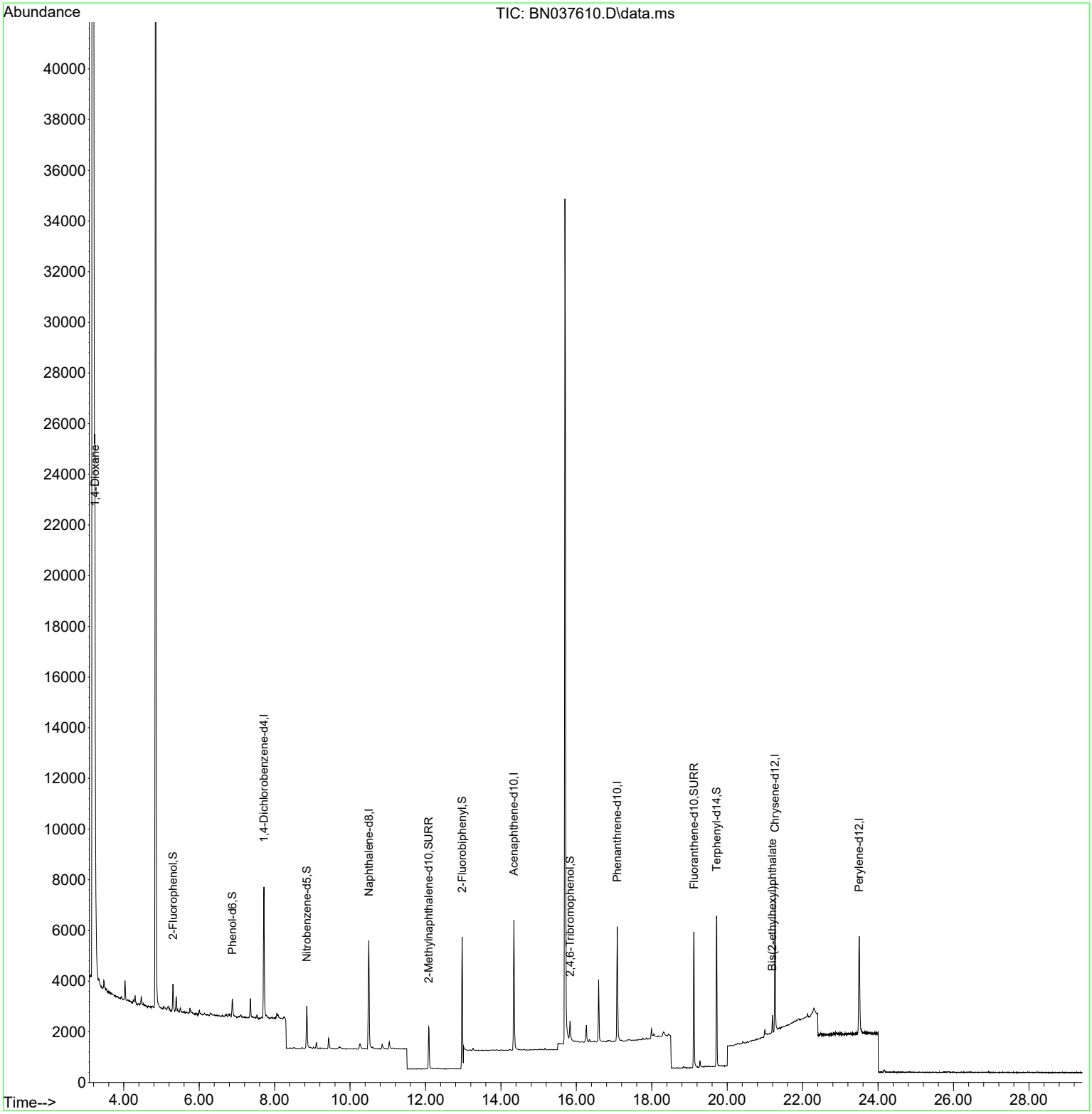
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2495	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	6050	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2961	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	6177	0.400	ng	0.00
29) Chrysene-d12	21.268	240	5539	0.400	ng	# 0.00
35) Perylene-d12	23.499	264	5233	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	830	0.147	ng	0.00
5) Phenol-d6	6.880	99	585	0.086	ng	0.00
8) Nitrobenzene-d5	8.854	82	1383	0.325	ng	0.00
11) 2-Methylnaphthalene-d10	12.086	152	2376	0.289	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	497	0.384	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	6938	0.405	ng	0.00
27) Fluoranthene-d10	19.118	212	6064	0.373	ng	0.00
31) Terphenyl-d14	19.717	244	5707	0.501	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.240	88	5375	2.252	ng	97
34) Bis(2-ethylhexyl)phtha...	21.196	149	628	0.082	ng	# 96

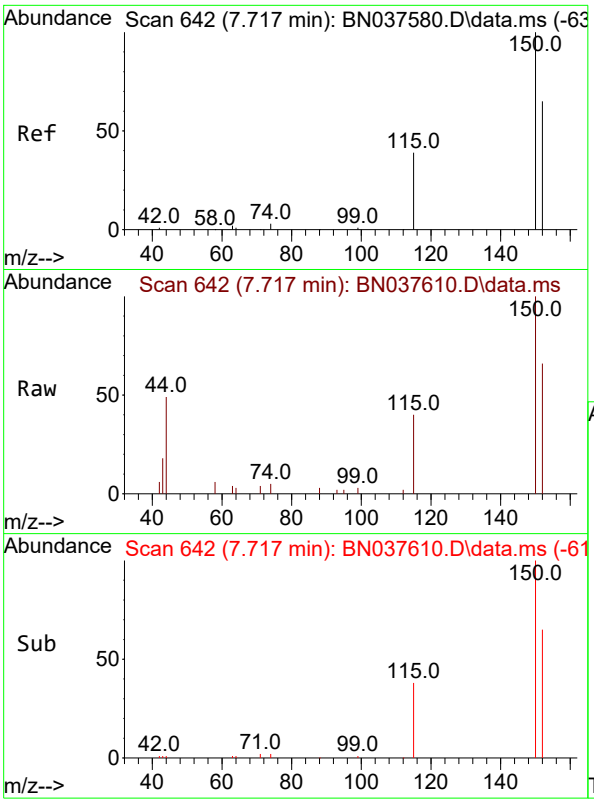
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037610.D
Acq On : 19 Aug 2025 16:42
Operator : RC/JU
Sample : Q2869-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

Quant Time: Aug 20 01:27:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



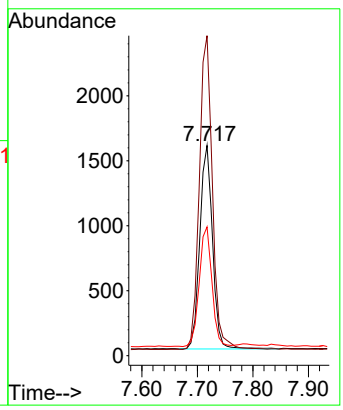


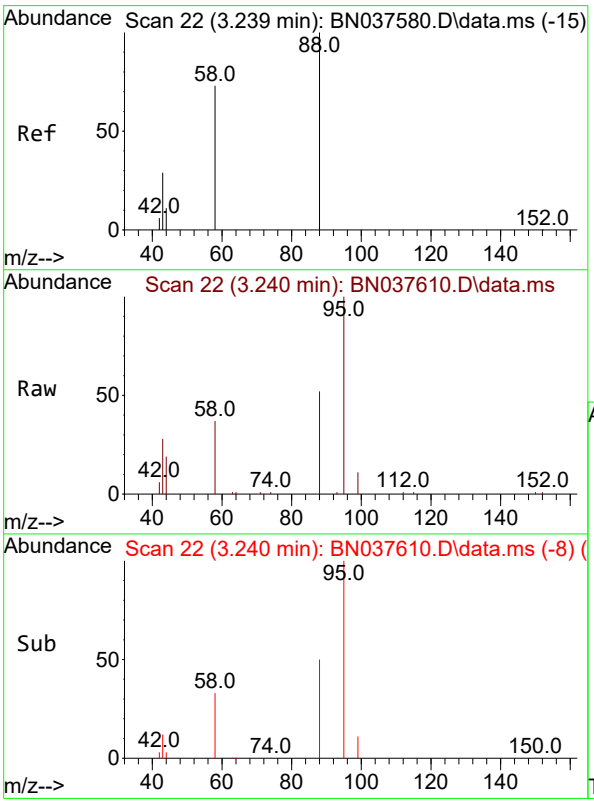
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion:152 Resp: 2495

Ion	Ratio	Lower	Upper
152	100		
150	152.2	122.2	183.4
115	61.2	49.8	74.6

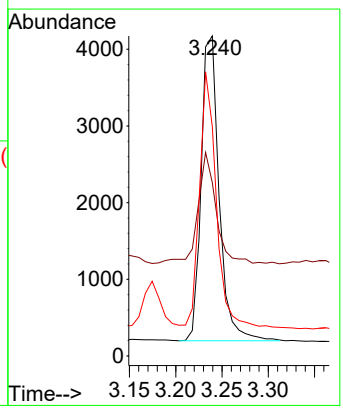


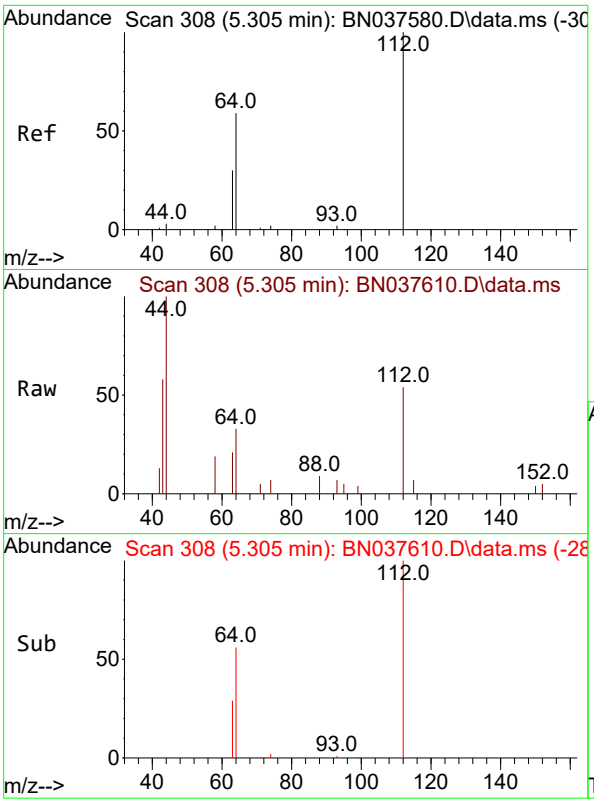


#2
1,4-Dioxane
Concen: 2.252 ng
RT: 3.240 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Tgt Ion: 88 Resp: 5375

Ion	Ratio	Lower	Upper
88	100		
43	37.3	25.8	38.6
58	77.5	61.2	91.8



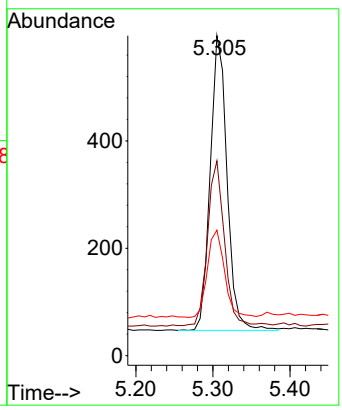


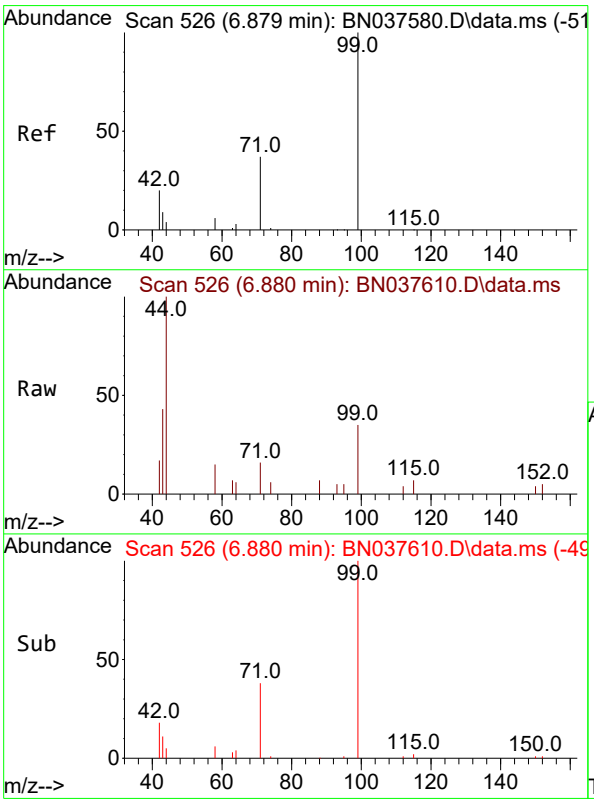
#4
2-Fluorophenol
Concen: 0.147 ng
RT: 5.305 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion:112 Resp: 830

Ion	Ratio	Lower	Upper
112	100		
64	56.7	44.9	67.3
63	30.2	23.4	35.2

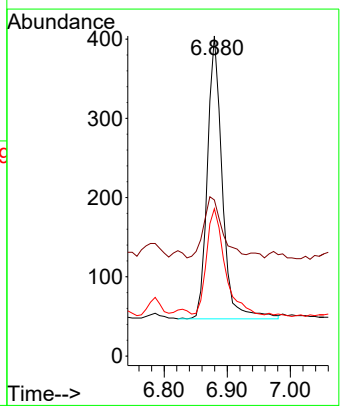


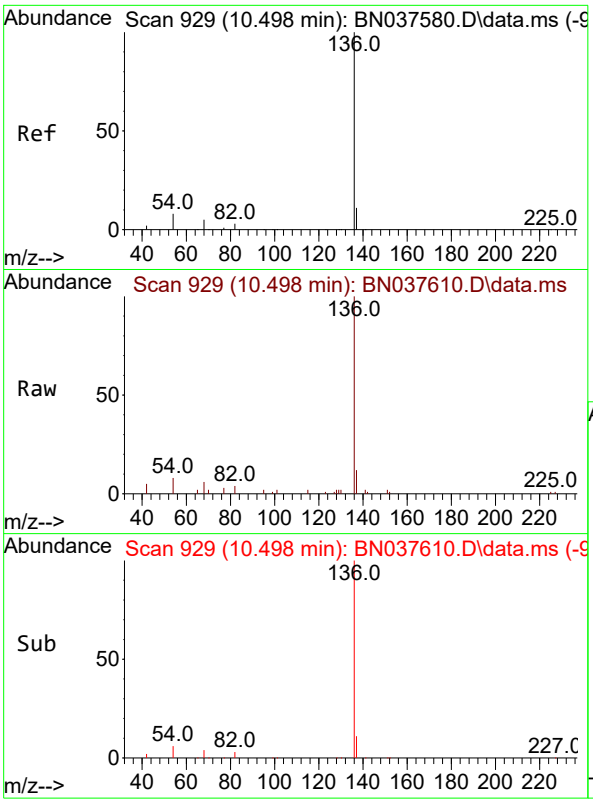


#5
Phenol-d6
Concen: 0.086 ng
RT: 6.880 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Tgt Ion: 99 Resp: 585

Ion	Ratio	Lower	Upper
99	100		
42	26.7	18.5	27.7
71	46.0	28.6	42.8#



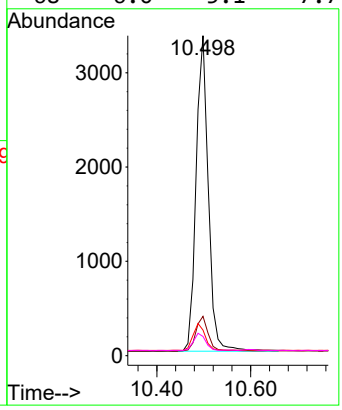


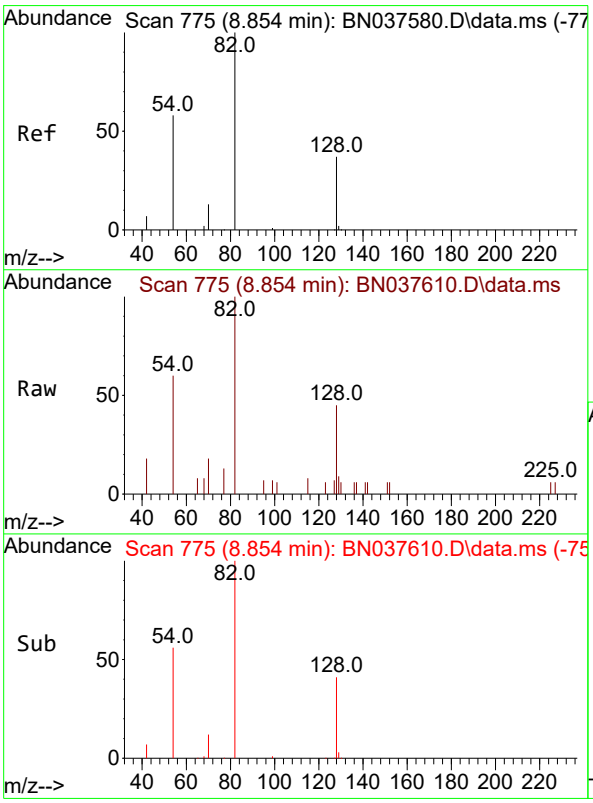
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion:136 Resp: 6050

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.5	14.3
54	8.0	7.3	10.9
68	6.0	5.1	7.7

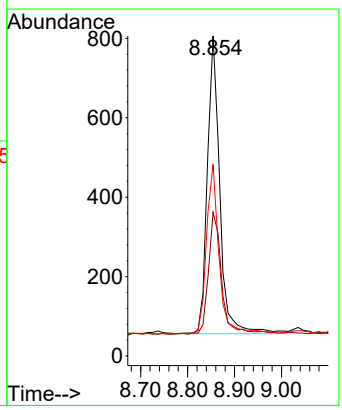


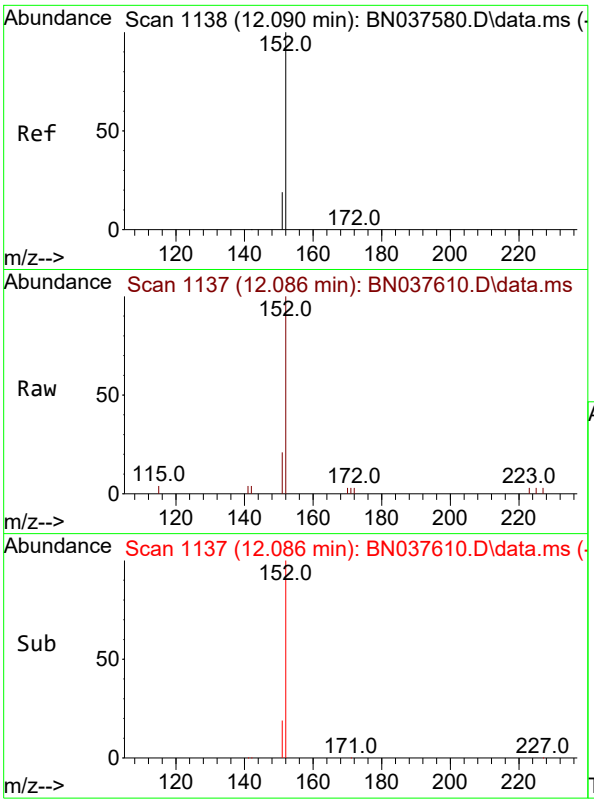


#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Tgt Ion: 82 Resp: 1383

Ion	Ratio	Lower	Upper
82	100		
128	44.9	32.6	48.8
54	59.9	48.9	73.3



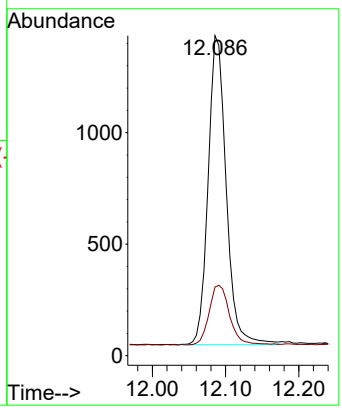


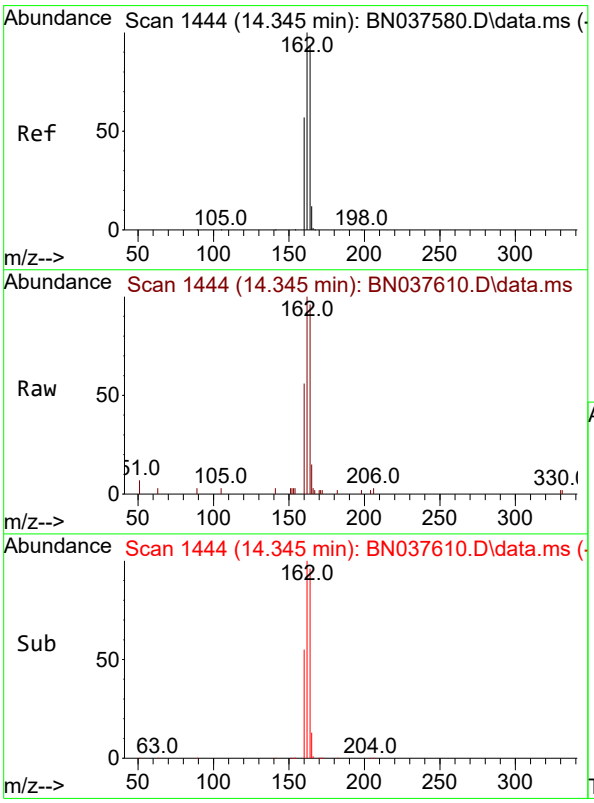
#11
2-Methylnaphthalene-d10
Concen: 0.289 ng
RT: 12.086 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion:152 Resp: 2376

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.3	25.9

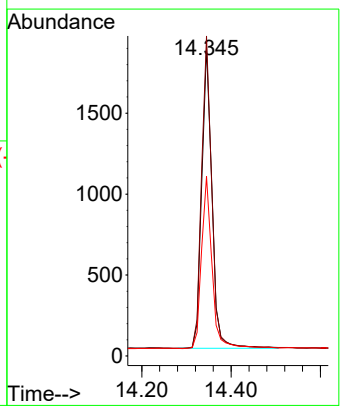


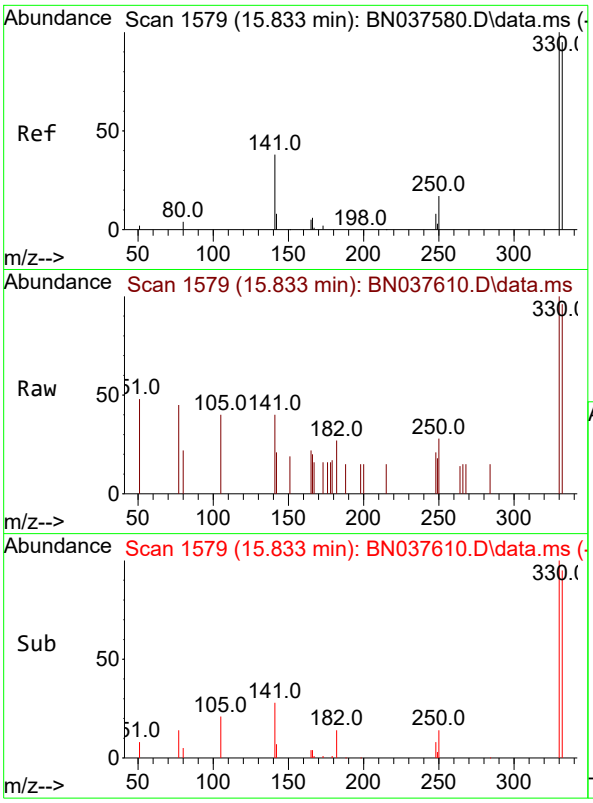


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Tgt Ion:164 Resp: 2961

Ion	Ratio	Lower	Upper
164	100		
162	103.7	85.5	128.3
160	58.2	49.5	74.3



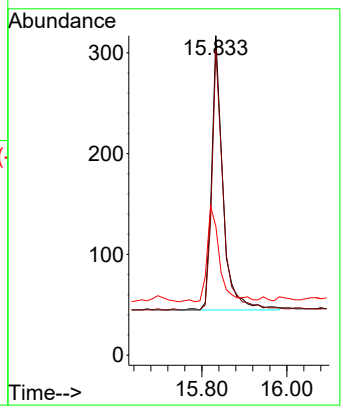


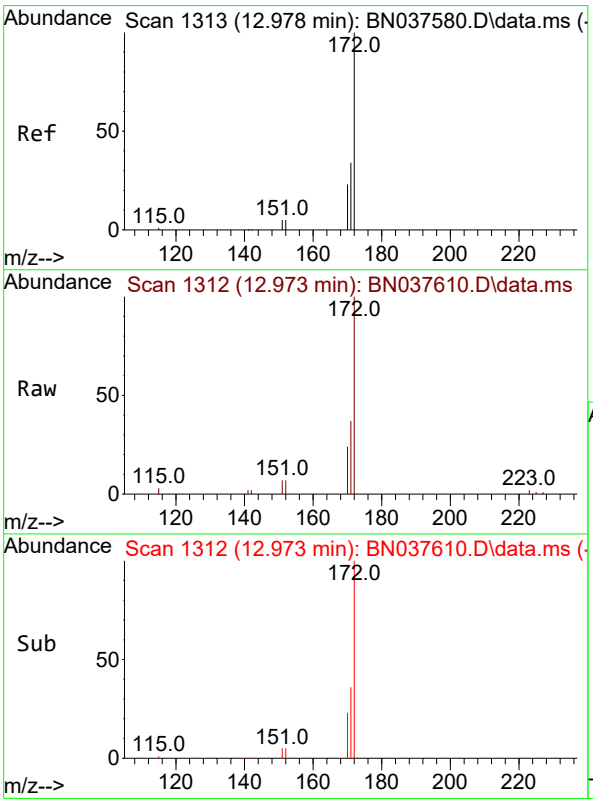
#14
2,4,6-Tribromophenol
Concen: 0.384 ng
RT: 15.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion:330 Resp: 497

Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.4	116.0
141	39.6	30.9	46.3

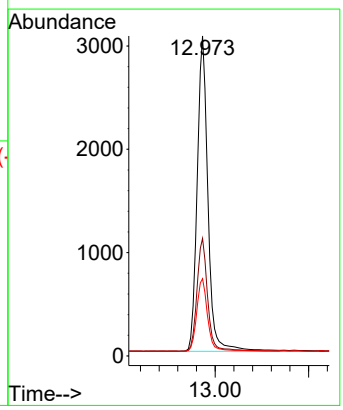


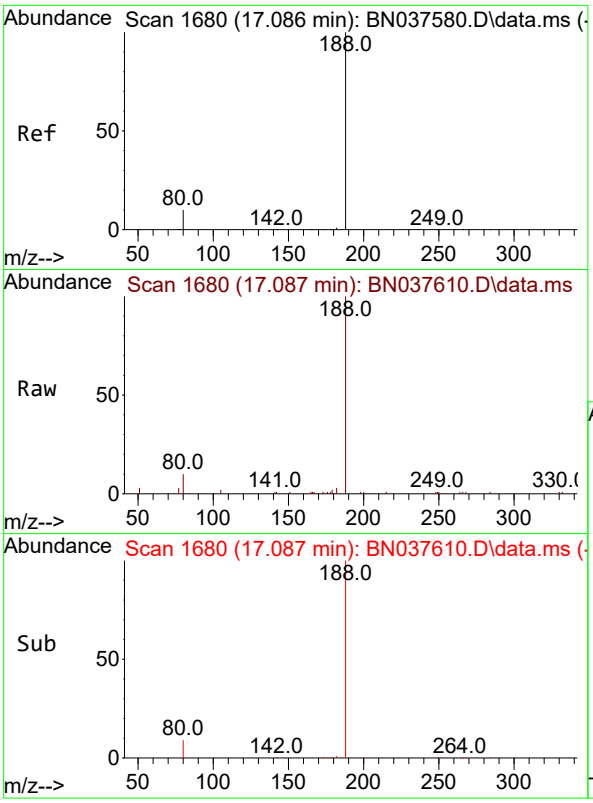


#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Tgt Ion:172 Resp: 6938

Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.2	42.4
170	24.2	19.2	28.8



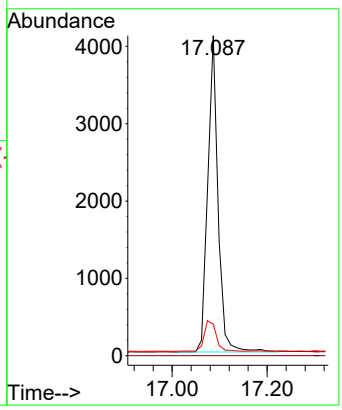


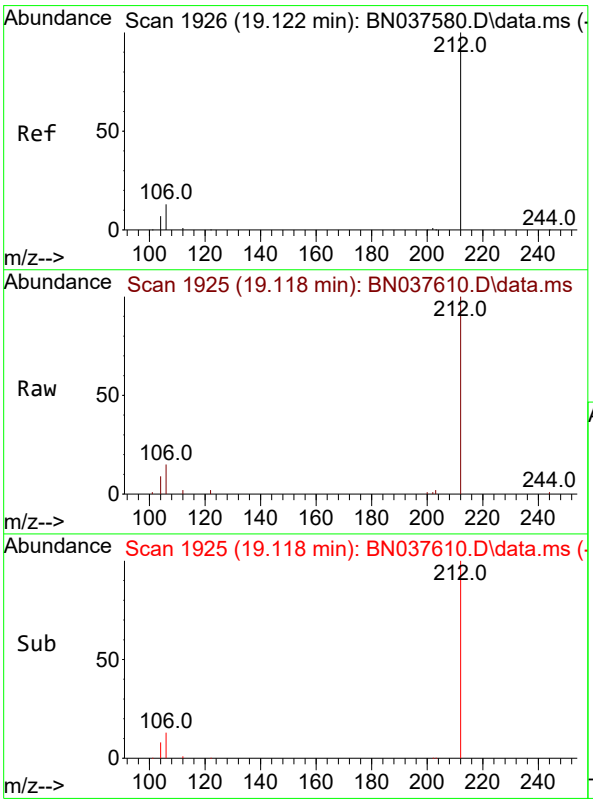
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.087 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion:188 Resp: 6177

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	9.1	13.7

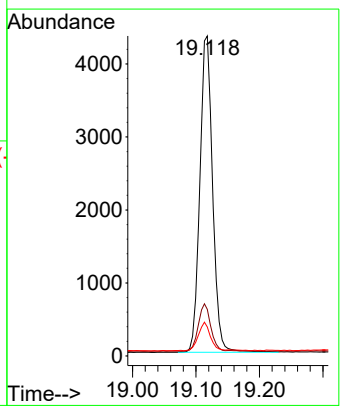


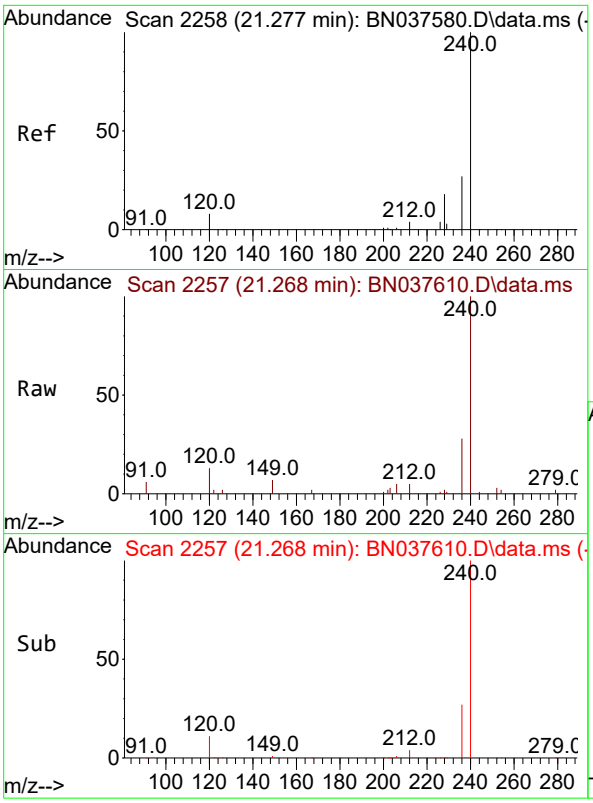


#27
Fluoranthene-d10
Concen: 0.373 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.004 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Tgt Ion:212 Resp: 6064

Ion	Ratio	Lower	Upper
212	100		
106	14.7	11.5	17.3
104	8.5	6.6	9.8



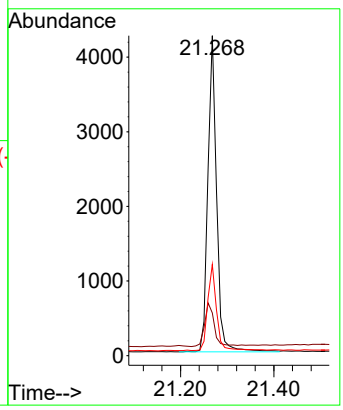


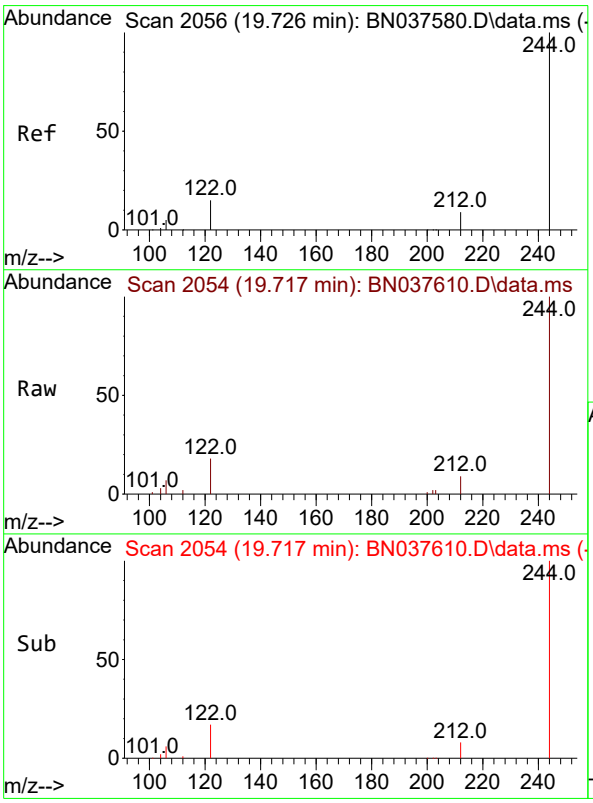
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion:240 Resp: 5539

Ion	Ratio	Lower	Upper
240	100		
120	13.4	8.9	13.3#
236	28.5	22.6	33.8

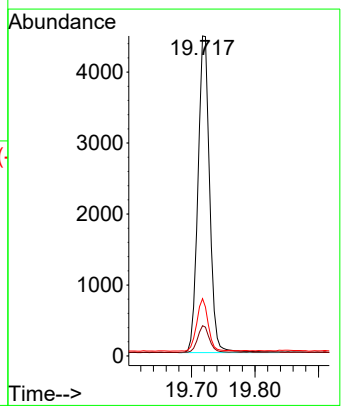


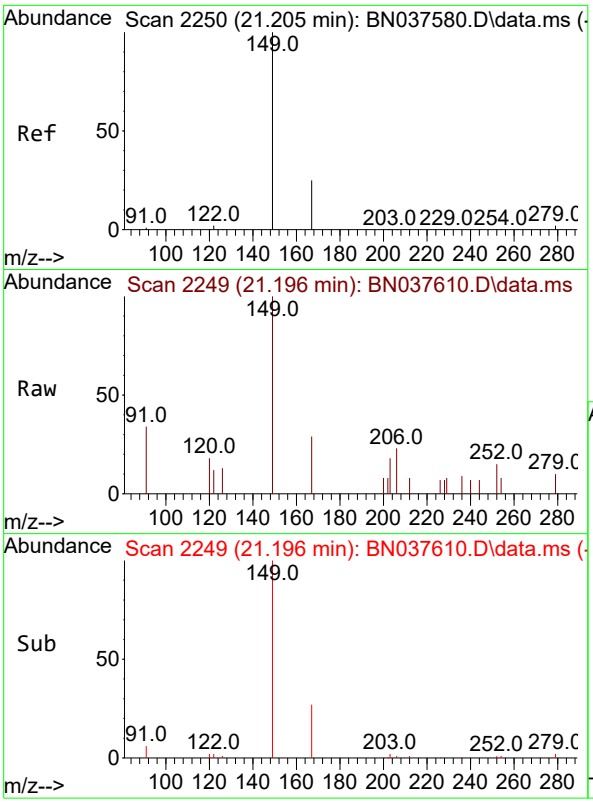


#31
Terphenyl-d14
Concen: 0.501 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Tgt Ion:244 Resp: 5707

Ion	Ratio	Lower	Upper
244	100		
212	9.4	8.2	12.2
122	17.9	13.2	19.8



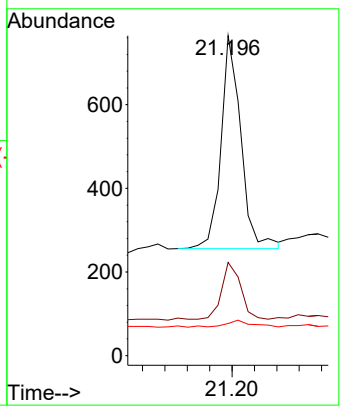


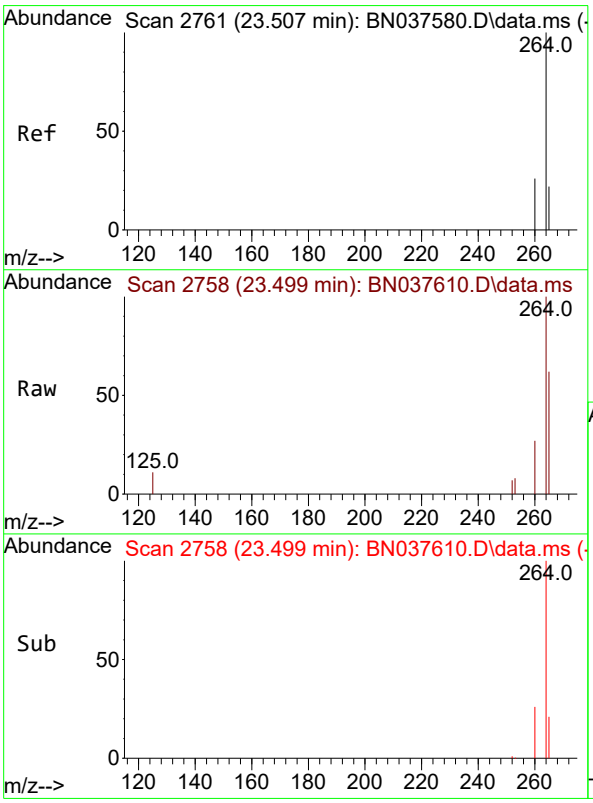
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.082 ng
RT: 21.196 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Instrument :
BNA_N
ClientSampleId :
MW-11A-13.5-081325

Tgt Ion:149 Resp: 628

Ion	Ratio	Lower	Upper
149	100		
167	27.4	20.5	30.7
279	4.5	2.6	4.0#

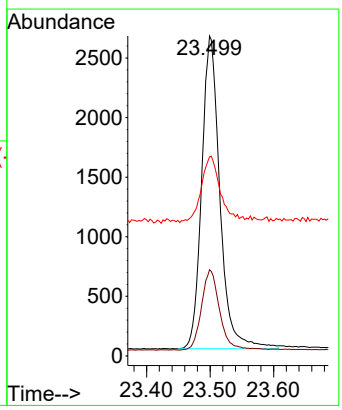




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.499 min Scan# 2758
Delta R.T. -0.008 min
Lab File: BN037610.D
Acq: 19 Aug 2025 16:42

Tgt Ion:264 Resp: 5233

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.6	32.4
265	62.2	48.2	72.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037611.D
Acq On : 19 Aug 2025 17:18
Operator : RC/JU
Sample : Q2869-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Quant Time: Aug 20 01:27:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

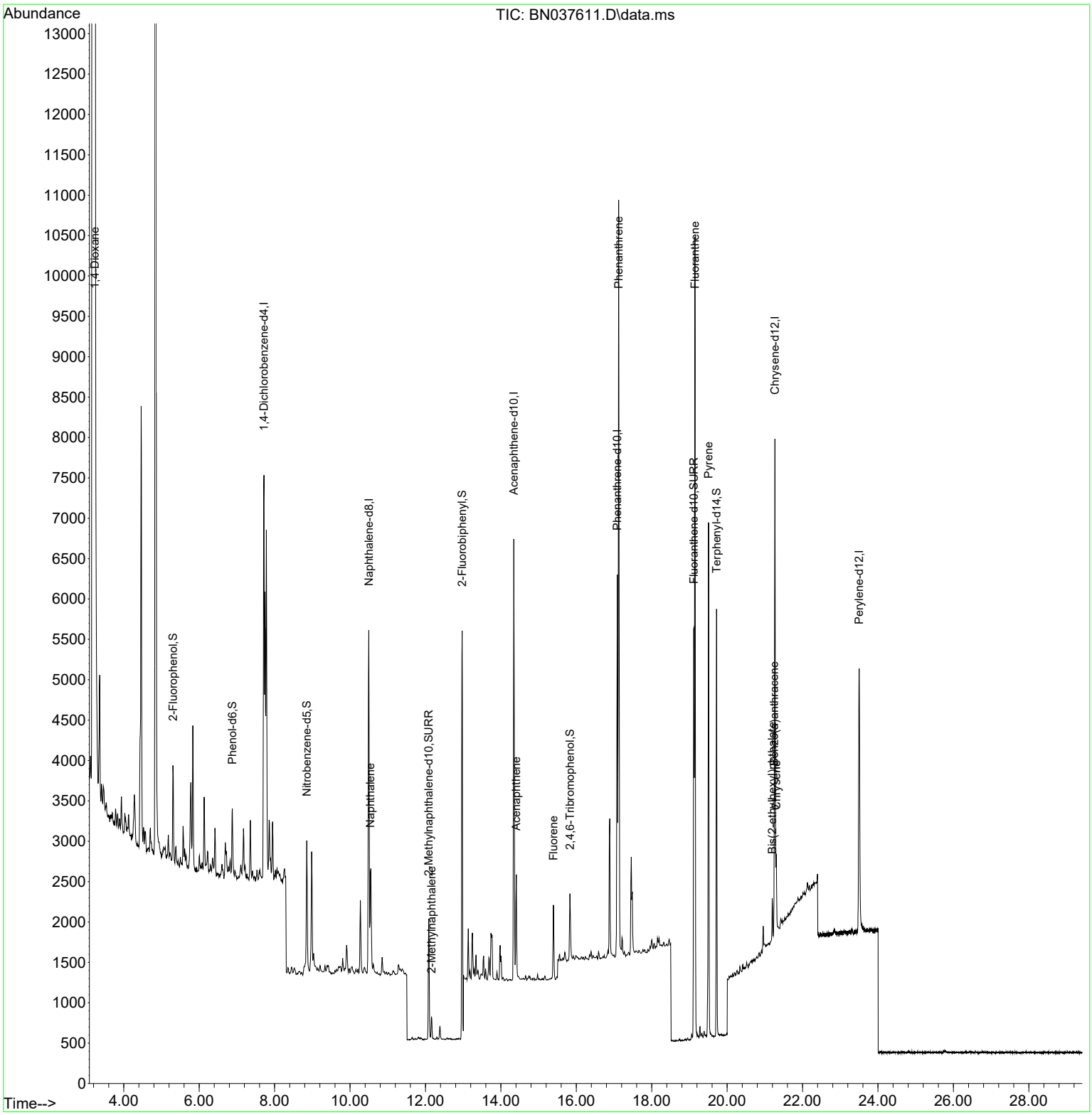
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.717	152	2373	0.400	ng		0.00
7) Naphthalene-d8	10.498	136	5766	0.400	ng		0.00
13) Acenaphthene-d10	14.345	164	2949	0.400	ng		0.00
19) Phenanthrene-d10	17.086	188	6117	0.400	ng		0.00
29) Chrysene-d12	21.268	240	5268	0.400	ng		0.00
35) Perylene-d12	23.502	264	4705	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.305	112	795	0.148	ng		0.00
5) Phenol-d6	6.879	99	552	0.085	ng		0.00
8) Nitrobenzene-d5	8.854	82	1252	0.308	ng		0.00
11) 2-Methylnaphthalene-d10	12.085	152	2115	0.270	ng		0.00
14) 2,4,6-Tribromophenol	15.833	330	474	0.367	ng		0.00
15) 2-Fluorobiphenyl	12.973	172	6190	0.363	ng		0.00
27) Fluoranthene-d10	19.118	212	5749	0.357	ng		0.00
31) Terphenyl-d14	19.722	244	5180	0.478	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.232	88	10850	4.779	ng		97
9) Naphthalene	10.541	128	1441	0.094	ng	#	90
12) 2-Methylnaphthalene	12.161	142	213	0.022	ng	#	83
17) Acenaphthene	14.409	154	610	0.068	ng		98
18) Fluorene	15.392	166	600	0.051	ng		99
25) Phenanthrene	17.124	178	9312	0.501	ng		99
28) Fluoranthene	19.146	202	8713	0.408	ng		100
30) Pyrene	19.508	202	5864	0.298	ng	#	94
32) Benzo(a)anthracene	21.250	228	641	0.036	ng	#	84
33) Chrysene	21.304	228	991	0.051	ng	#	88
34) Bis(2-ethylhexyl)phtha...	21.196	149	511	0.070	ng	#	94

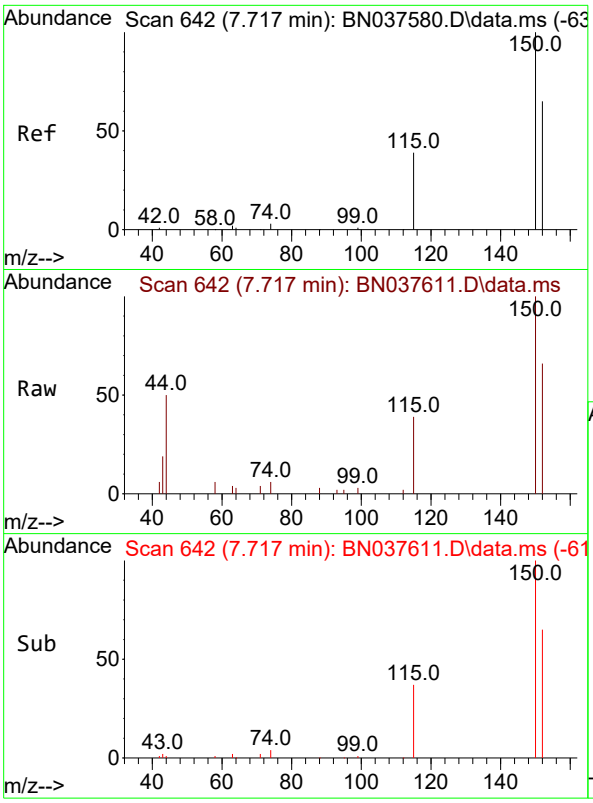
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037611.D
Acq On : 19 Aug 2025 17:18
Operator : RC/JU
Sample : Q2869-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Quant Time: Aug 20 01:27:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



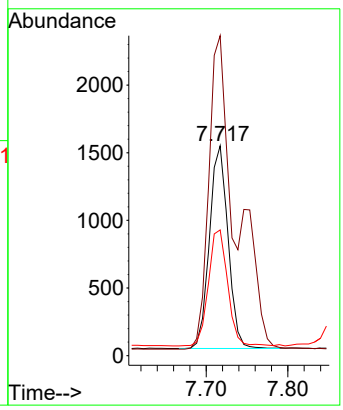


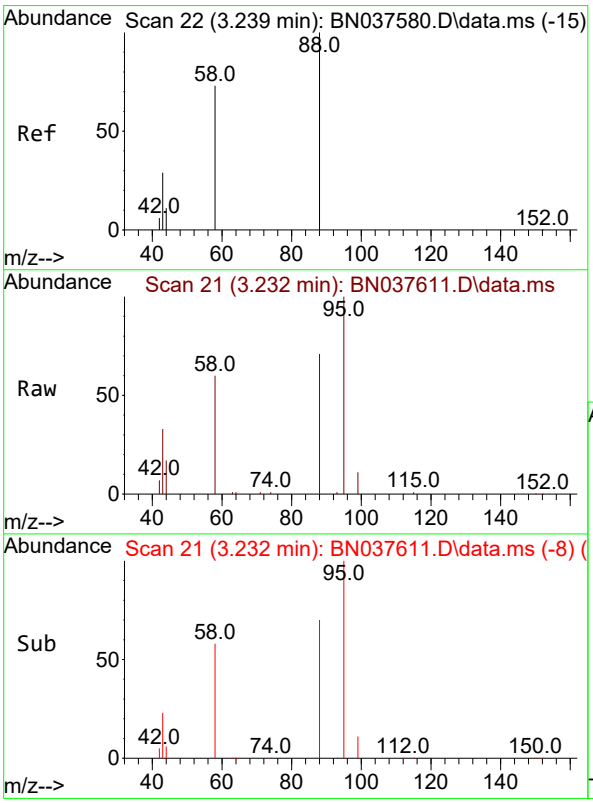
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:152 Resp: 2373

Ion	Ratio	Lower	Upper
152	100		
150	152.4	122.2	183.4
115	59.9	49.8	74.6

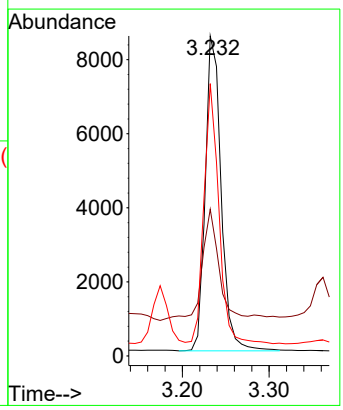


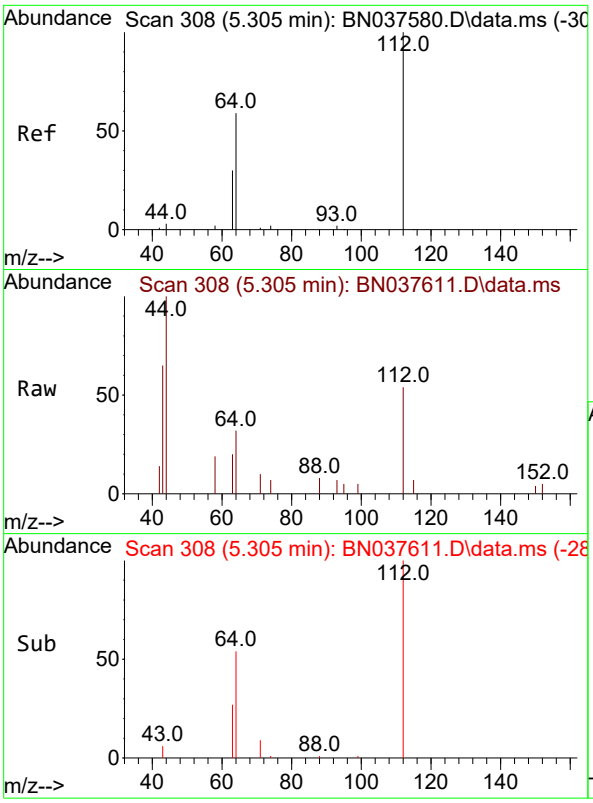


#2
1,4-Dioxane
Concen: 4.779 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion: 88 Resp: 10850

Ion	Ratio	Lower	Upper
88	100		
43	37.3	25.8	38.6
58	77.1	61.2	91.8



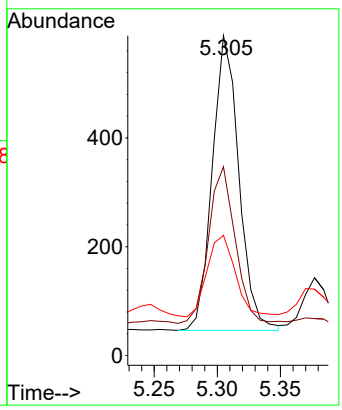


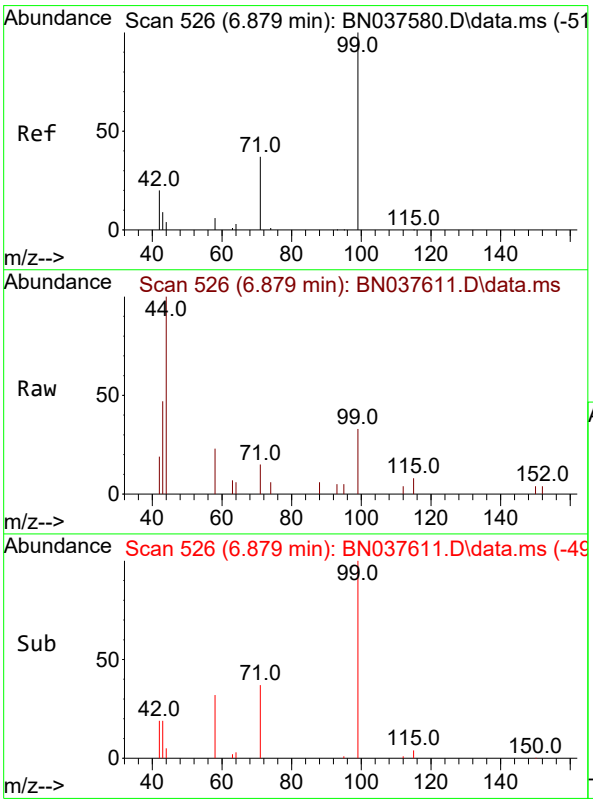
#4
2-Fluorophenol
Concen: 0.148 ng
RT: 5.305 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:112 Resp: 795

Ion	Ratio	Lower	Upper
112	100		
64	53.7	44.9	67.3
63	29.8	23.4	35.2

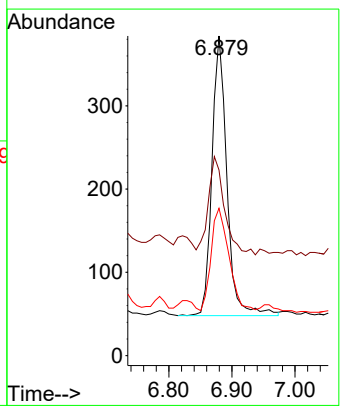


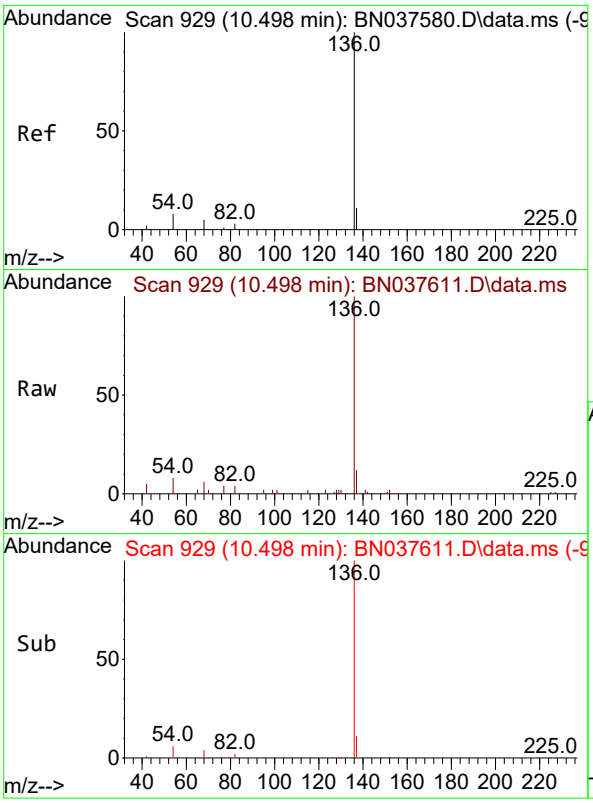


#5
Phenol-d6
Concen: 0.085 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion: 99 Resp: 552

Ion	Ratio	Lower	Upper
99	100		
42	38.4	18.5	27.7#
71	43.7	28.6	42.8#



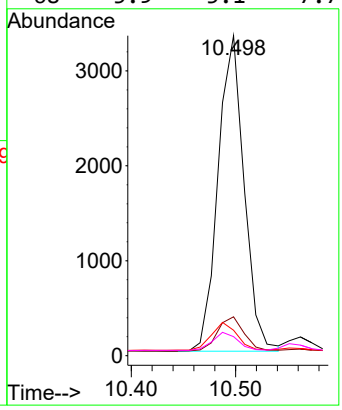


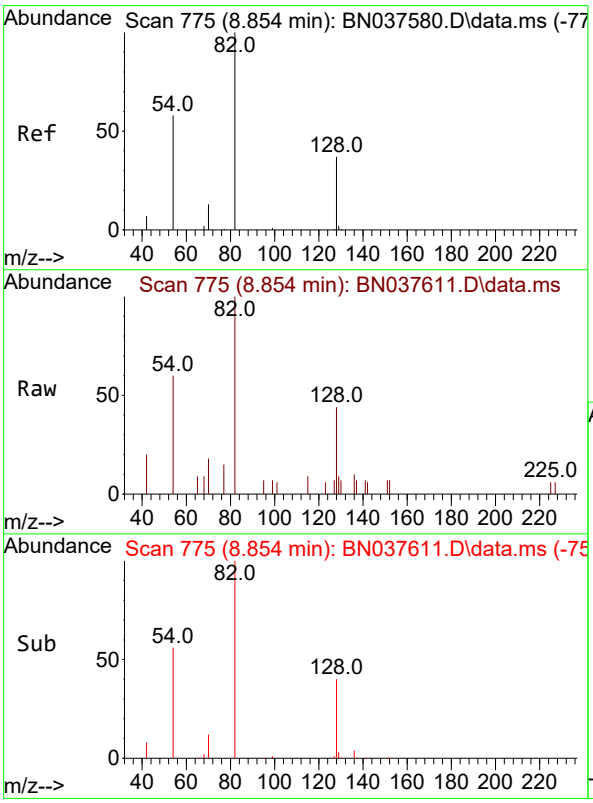
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:136 Resp: 5766

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.0	7.3	10.9
68	5.9	5.1	7.7

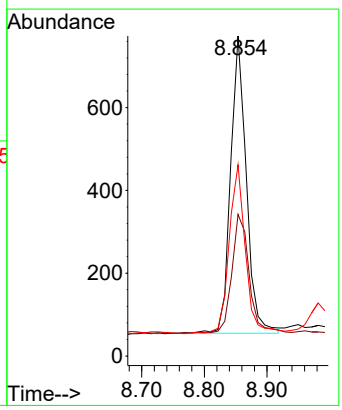


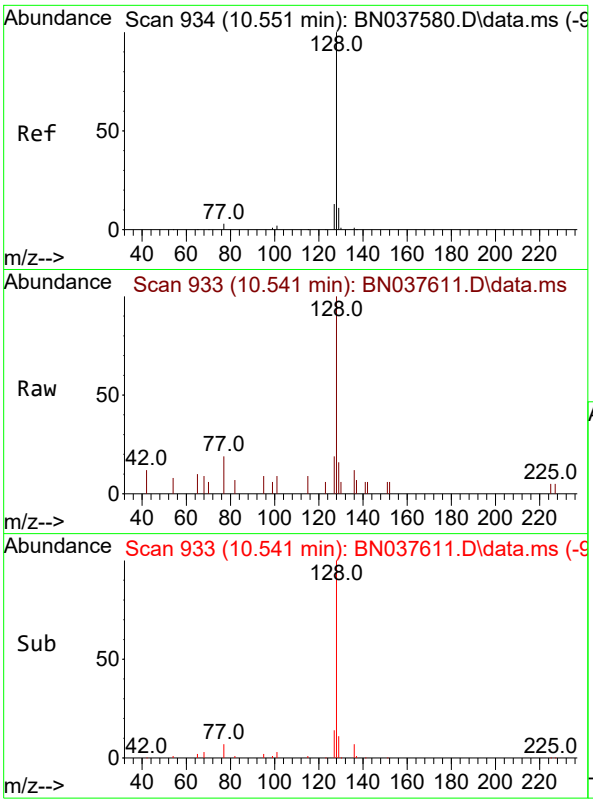


#8
Nitrobenzene-d5
Concen: 0.308 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion: 82 Resp: 1252

Ion	Ratio	Lower	Upper
82	100		
128	44.2	32.6	48.8
54	59.8	48.9	73.3



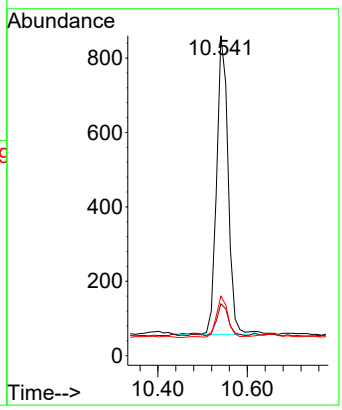


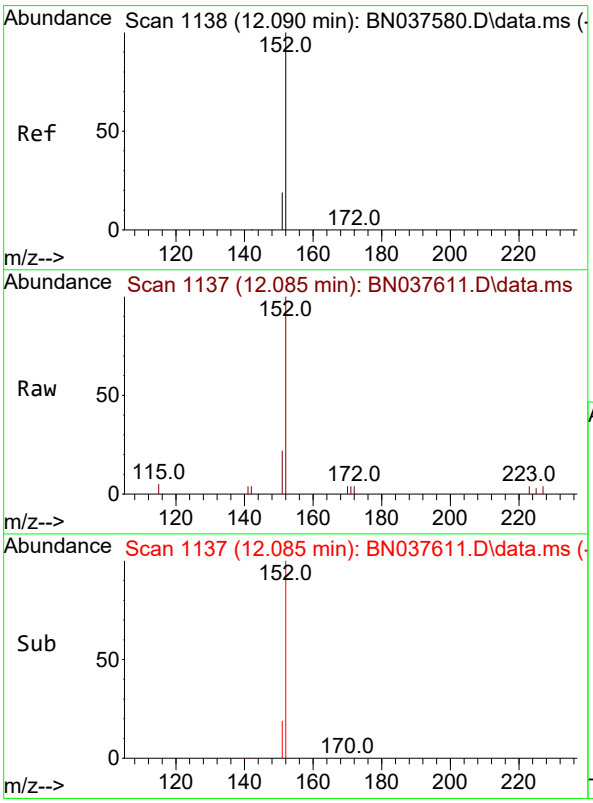
#9
Naphthalene
Concen: 0.094 ng
RT: 10.541 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:128 Resp: 1441

Ion	Ratio	Lower	Upper
128	100		
129	16.2	9.8	14.6#
127	18.6	11.5	17.3#

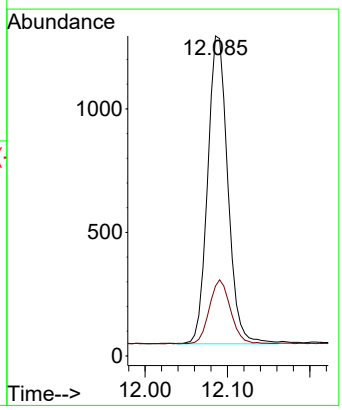


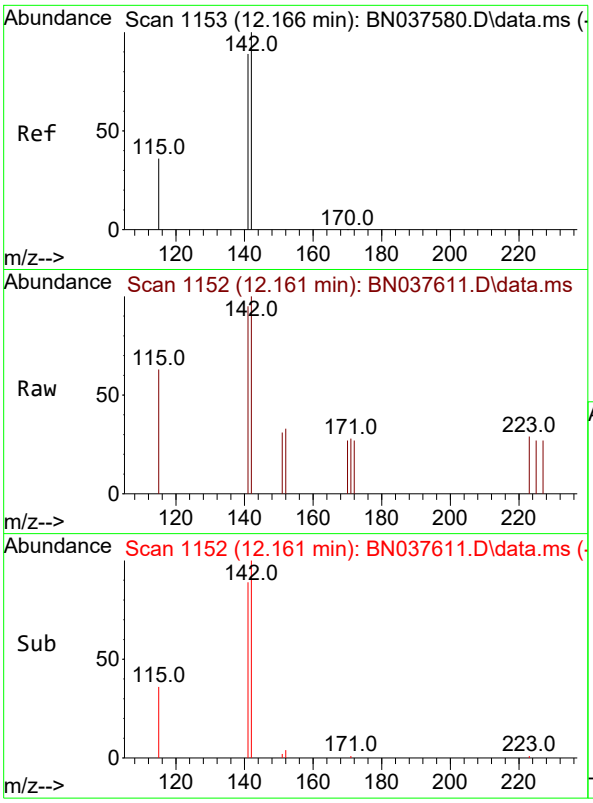


#11
2-Methylnaphthalene-d10
Concen: 0.270 ng
RT: 12.085 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:152 Resp: 2115

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.3	25.9



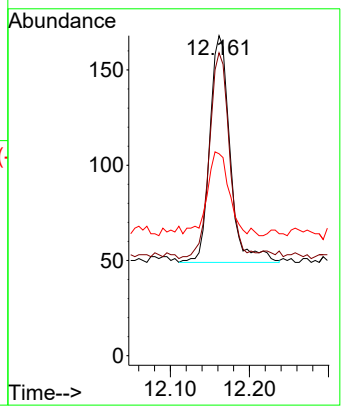


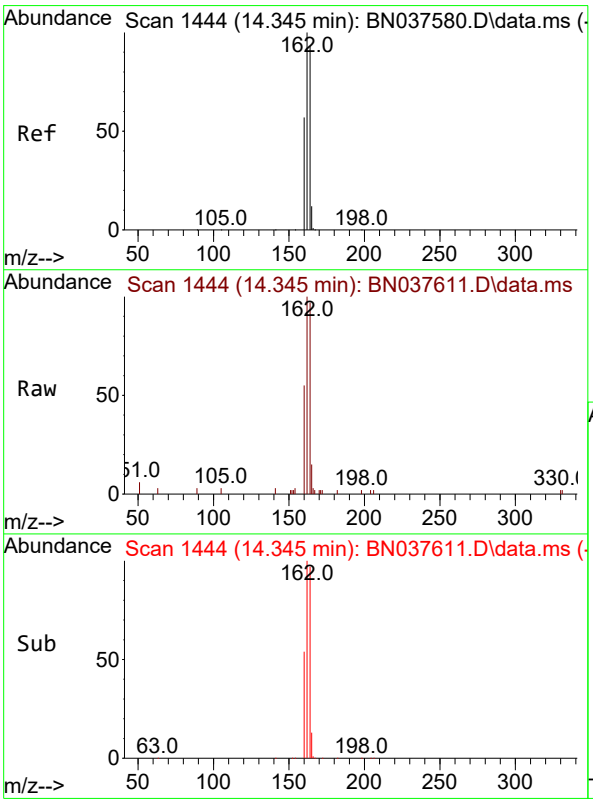
#12
2-Methylnaphthalene
Concen: 0.022 ng
RT: 12.161 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:142 Resp: 213

Ion	Ratio	Lower	Upper
142	100		
141	94.6	71.4	107.0
115	63.1	30.2	45.4#

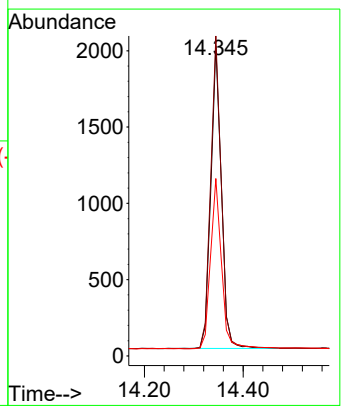


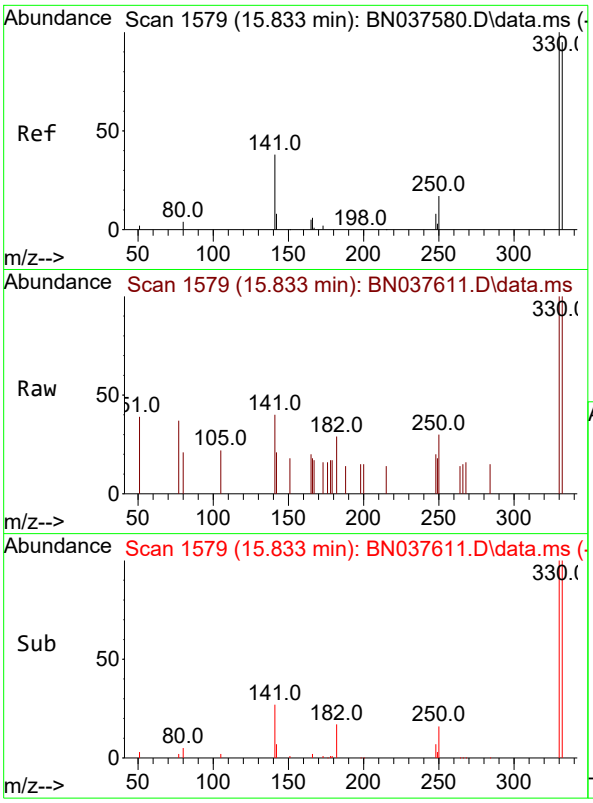


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:164 Resp: 2949

Ion	Ratio	Lower	Upper
164	100		
162	103.1	85.5	128.3
160	57.2	49.5	74.3



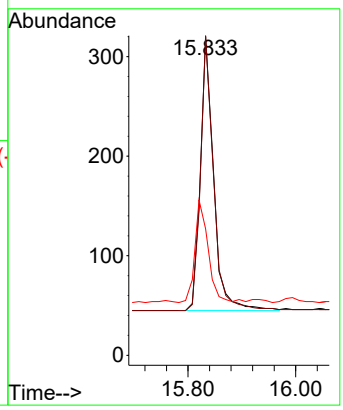


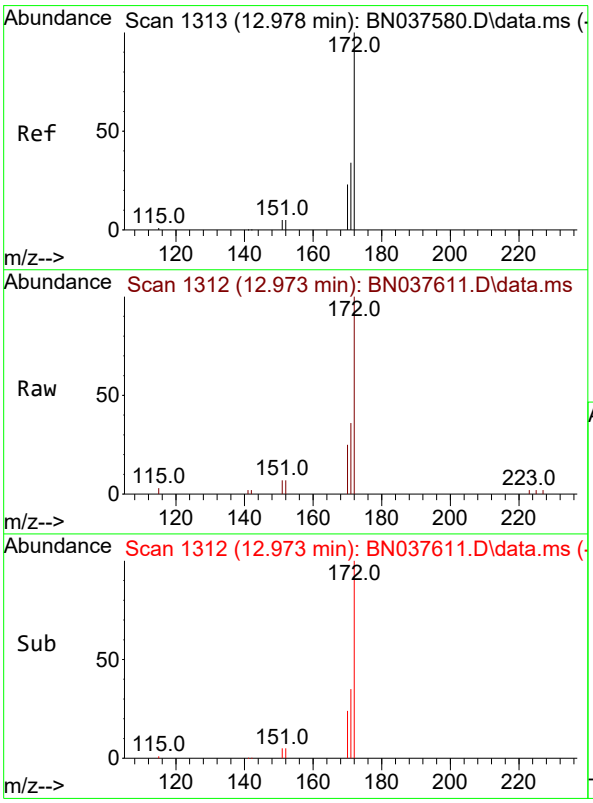
#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 15.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:330 Resp: 474

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.4	116.0
141	36.9	30.9	46.3

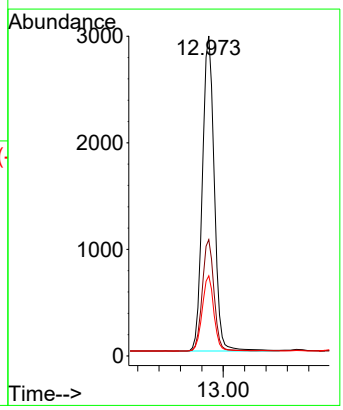


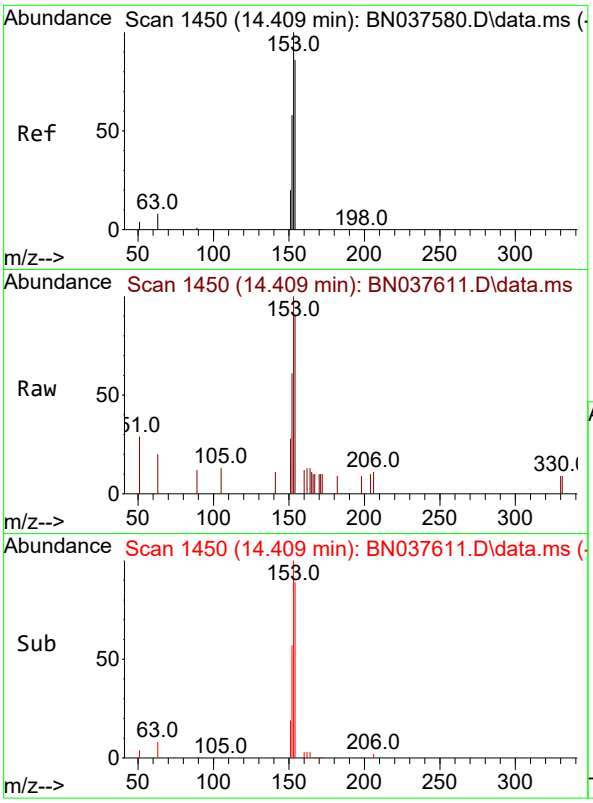


#15
2-Fluorobiphenyl
Concen: 0.363 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:172 Resp: 6190

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.2	42.4
170	25.1	19.2	28.8



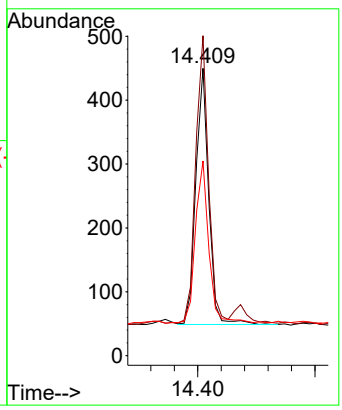


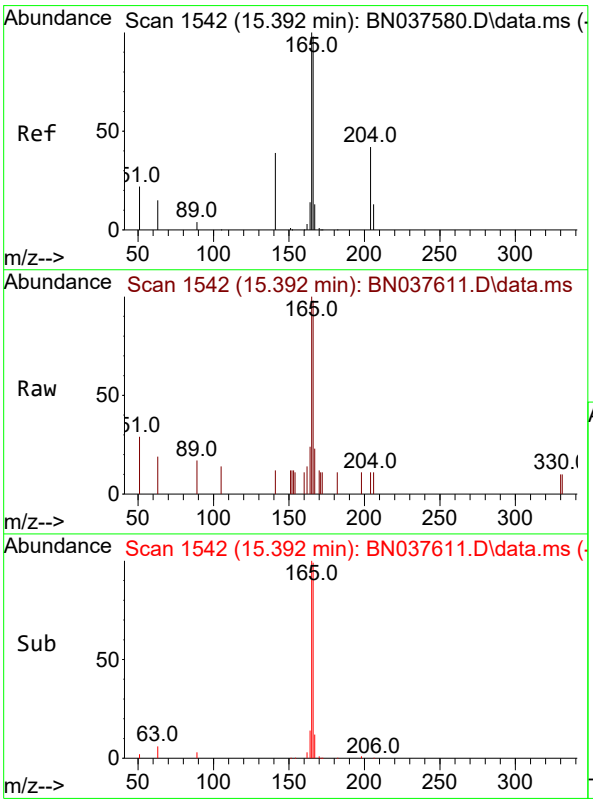
#17
Acenaphthene
Concen: 0.068 ng
RT: 14.409 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:154 Resp: 610

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.6	135.8
152	65.4	54.9	82.3

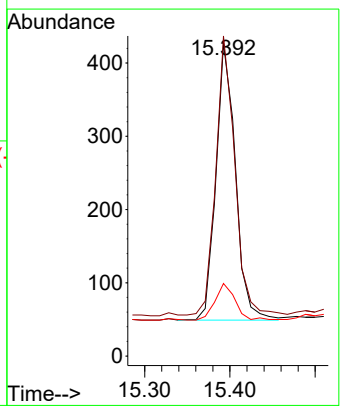


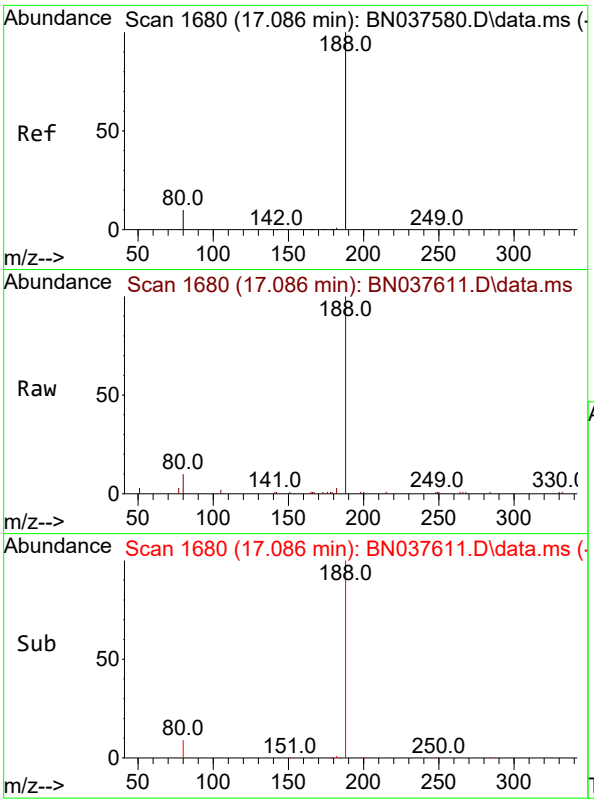


#18
Fluorene
Concen: 0.051 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:166 Resp: 600

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.9	118.3
167	13.8	10.7	16.1



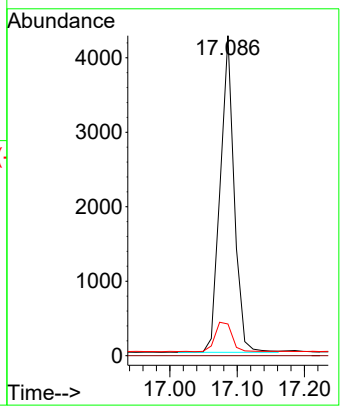


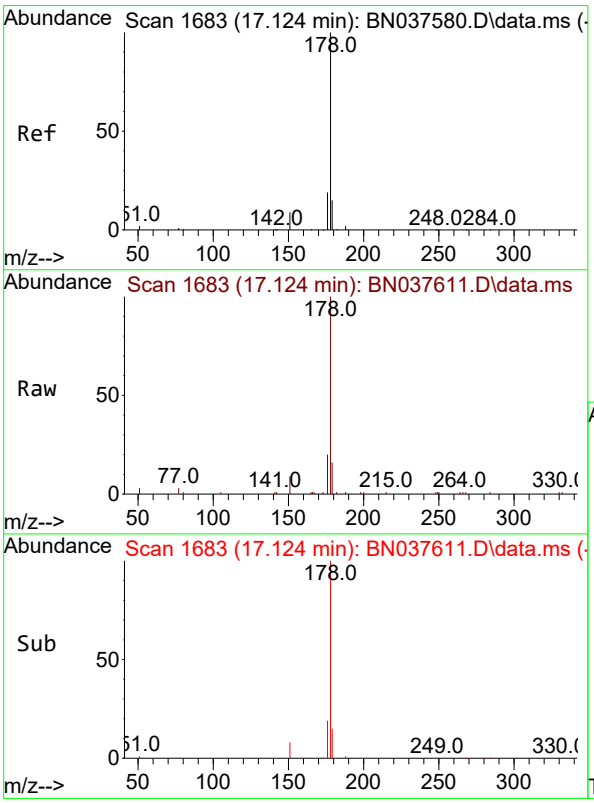
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:188 Resp: 6117

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	9.1	13.7

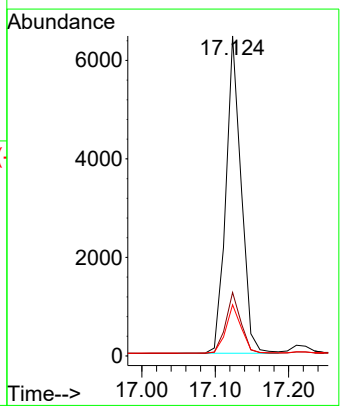


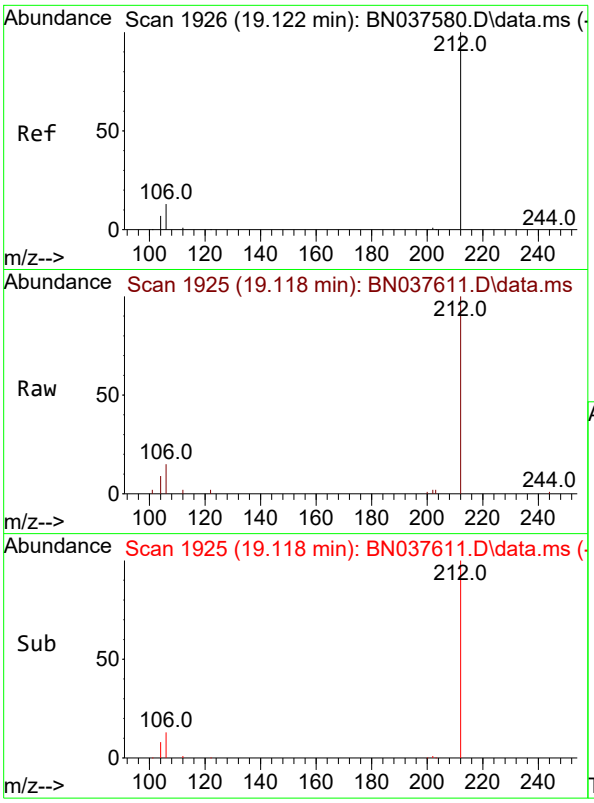


#25
Phenanthrene
Concen: 0.501 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:178 Resp: 9312

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.6
179	15.5	12.3	18.5



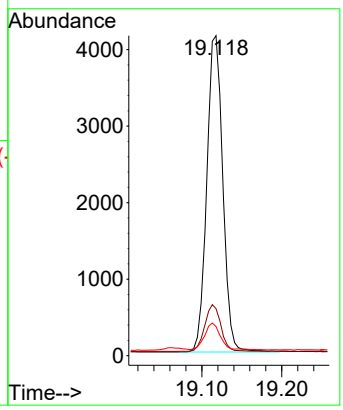


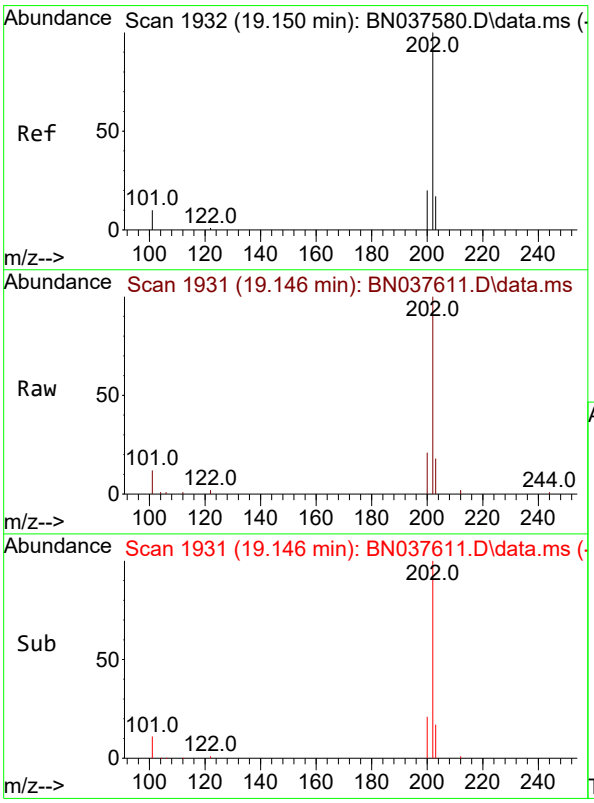
#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.118 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:212 Resp: 5749

Ion	Ratio	Lower	Upper
212	100		
106	14.8	11.5	17.3
104	8.6	6.6	9.8

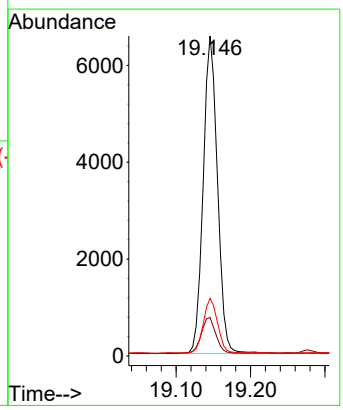


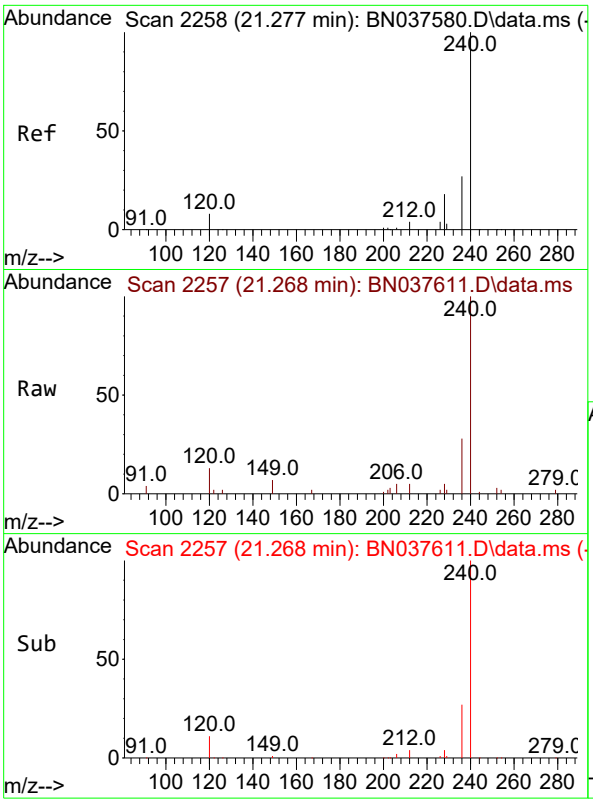


#28
Fluoranthene
Concen: 0.408 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:202 Resp: 8713

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.0	13.6
203	17.1	13.8	20.8



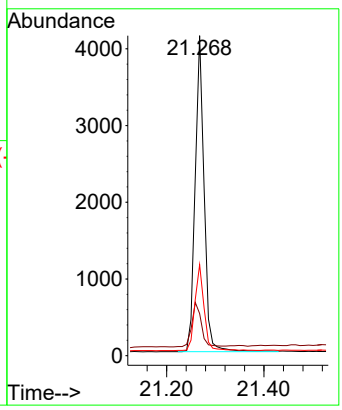


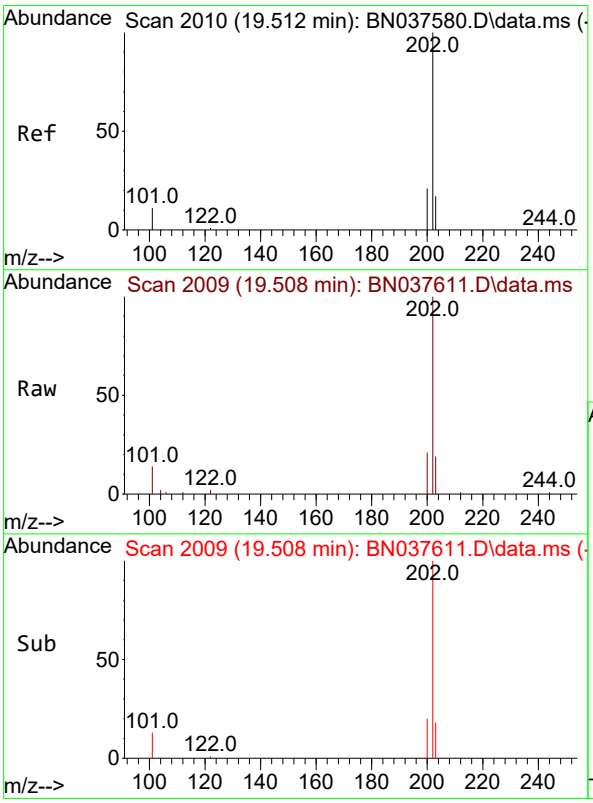
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:240 Resp: 5268

Ion	Ratio	Lower	Upper
240	100		
120	13.1	8.9	13.3
236	28.5	22.6	33.8

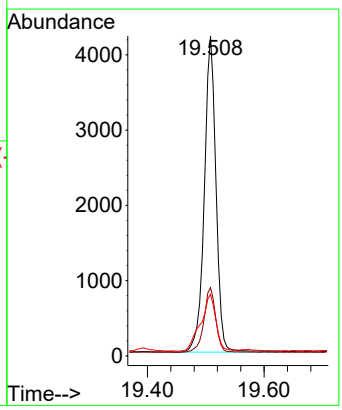


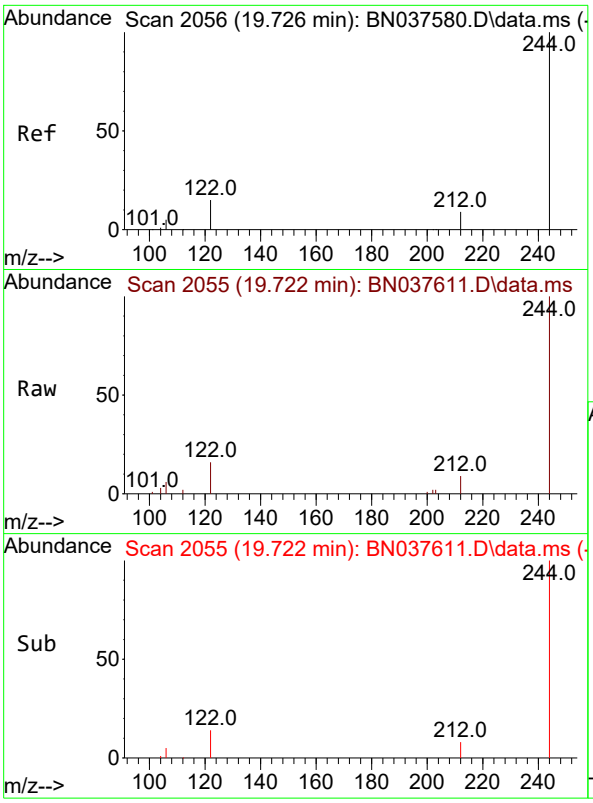


#30
Pyrene
Concen: 0.298 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:202 Resp: 5864

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	23.2	14.3	21.5#



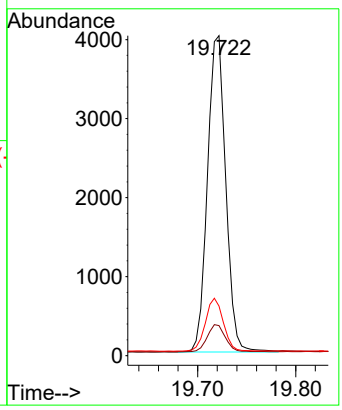


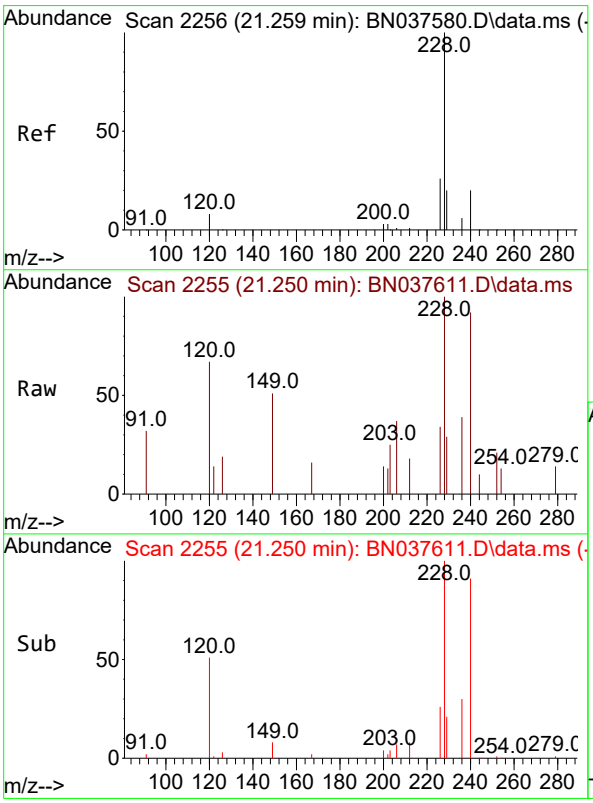
#31
Terphenyl-d14
Concen: 0.478 ng
RT: 19.722 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:244 Resp: 5180

Ion	Ratio	Lower	Upper
244	100		
212	9.4	8.2	12.2
122	15.5	13.2	19.8

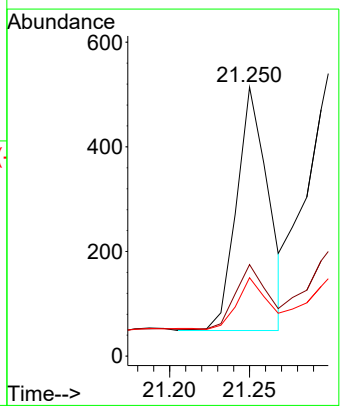


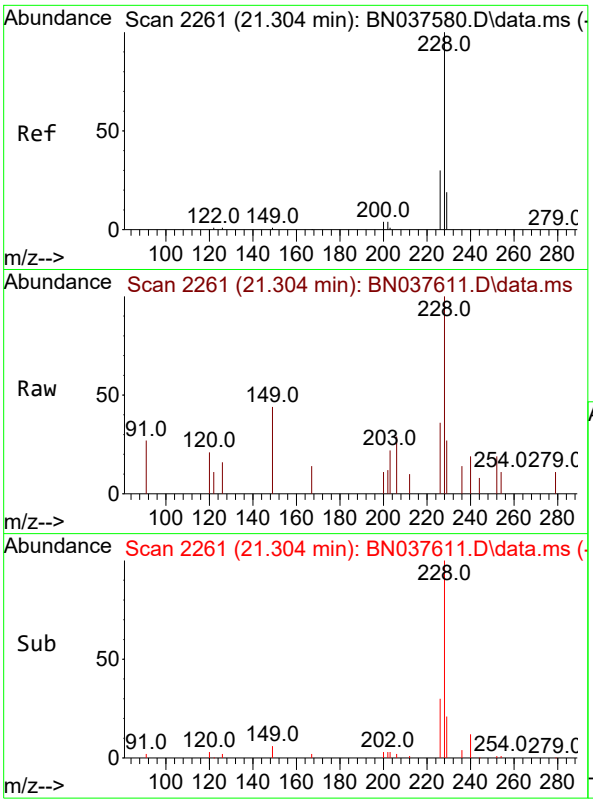


#32
Benzo(a)anthracene
Concen: 0.036 ng
RT: 21.250 min Scan# 2255
Delta R.T. -0.009 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:228 Resp: 641

Ion	Ratio	Lower	Upper
228	100		
226	34.0	21.5	32.3#
229	29.2	16.5	24.7#



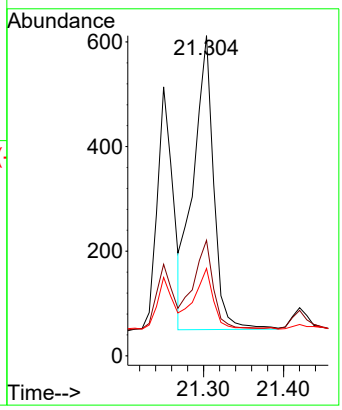


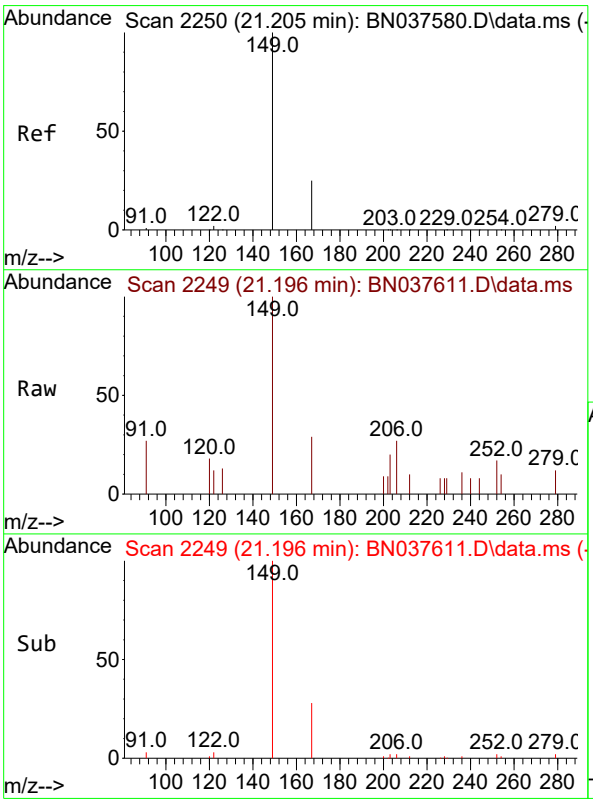
#33
Chrysene
Concen: 0.051 ng
RT: 21.304 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:228 Resp: 991

Ion	Ratio	Lower	Upper
228	100		
226	36.1	24.9	37.3
229	27.3	15.8	23.8#

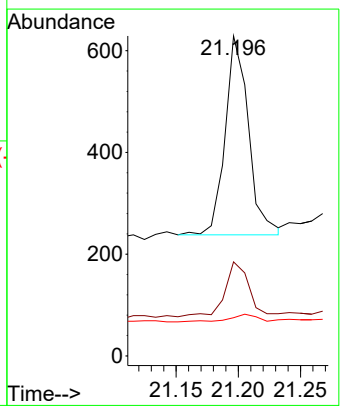


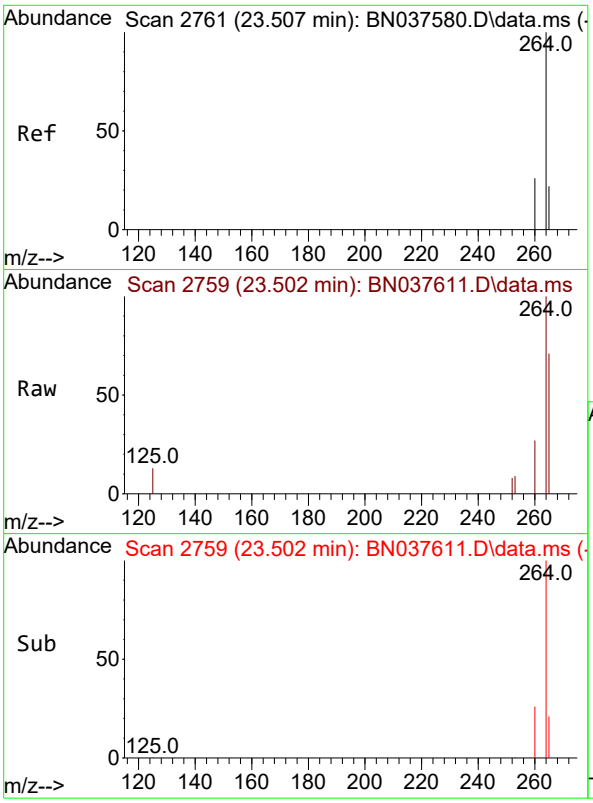


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.070 ng
RT: 21.196 min Scan# 2249
Delta R.T. -0.009 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:149 Resp: 511

Ion	Ratio	Lower	Upper
149	100		
167	28.6	20.5	30.7
279	4.7	2.6	4.0#



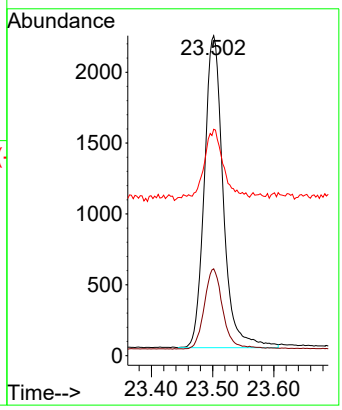


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:264 Resp: 4705

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.6	32.4
265	70.7	48.2	72.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037612.D
Acq On : 19 Aug 2025 17:54
Operator : RC/JU
Sample : Q2869-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB01-081325

Quant Time: Aug 20 01:28:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

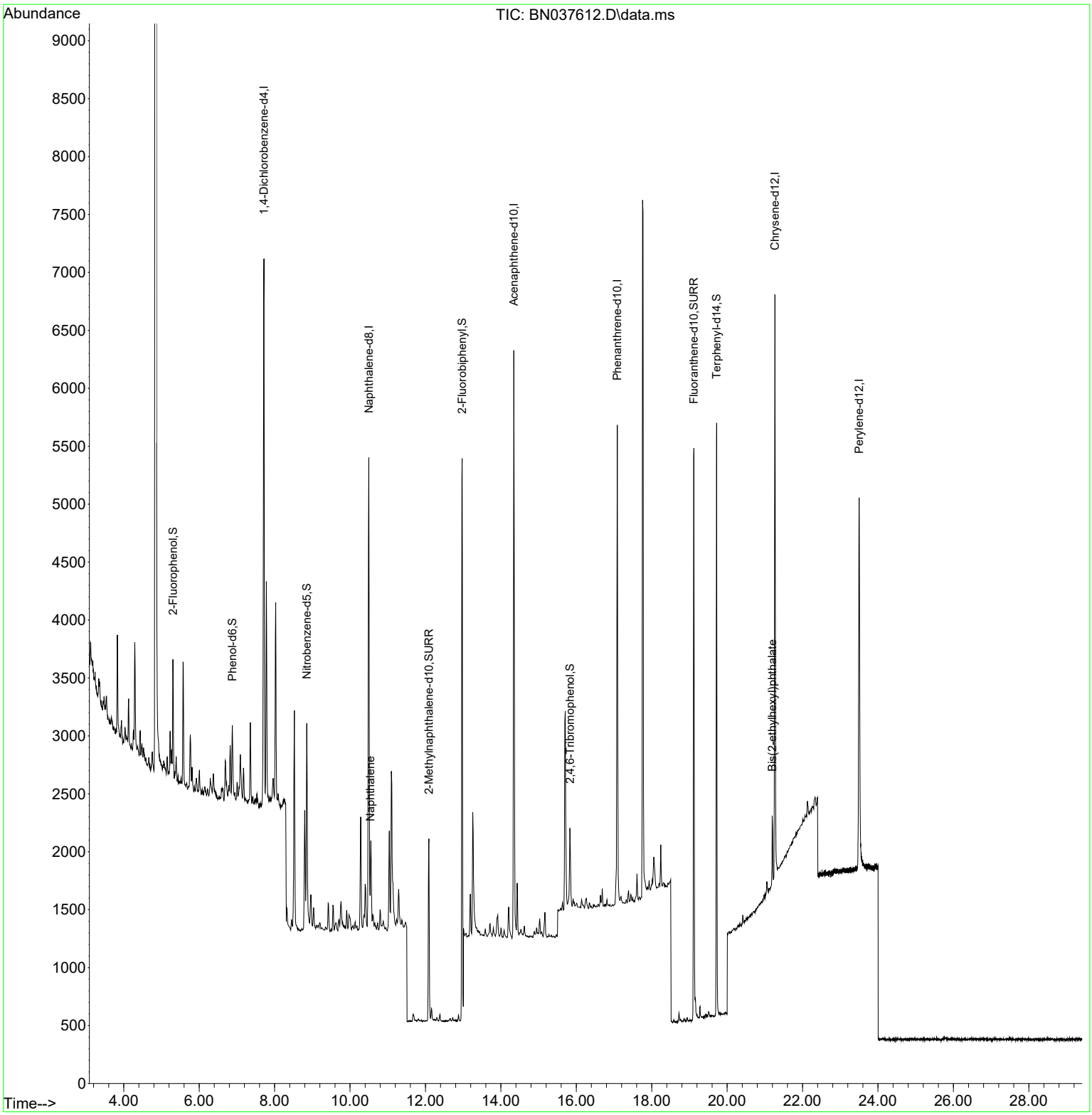
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2243	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5421	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2768	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5604	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4806	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	4479	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	763	0.150	ng	0.00
5) Phenol-d6	6.879	99	559	0.091	ng	0.00
8) Nitrobenzene-d5	8.854	82	1354	0.355	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	2242	0.304	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	427	0.352	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	6231	0.389	ng	0.00
27) Fluoranthene-d10	19.118	212	5735	0.389	ng	0.00
31) Terphenyl-d14	19.722	244	4846	0.490	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.541	128	328	0.023	ng	# 55
34) Bis(2-ethylhexyl)phtha...	21.196	149	615	0.093	ng	# 98

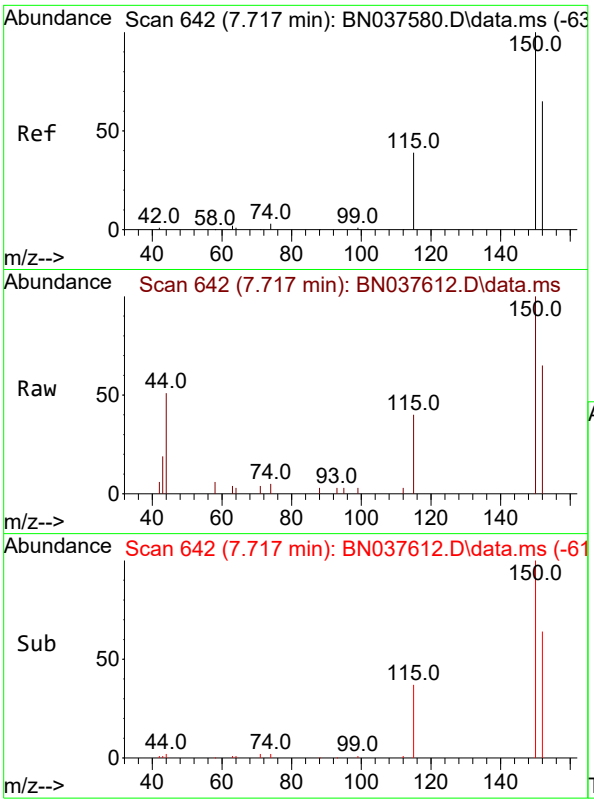
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037612.D
Acq On : 19 Aug 2025 17:54
Operator : RC/JU
Sample : Q2869-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB01-081325

Quant Time: Aug 20 01:28:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



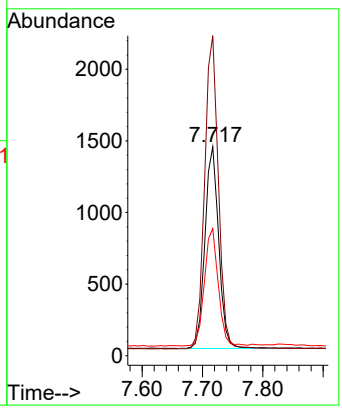


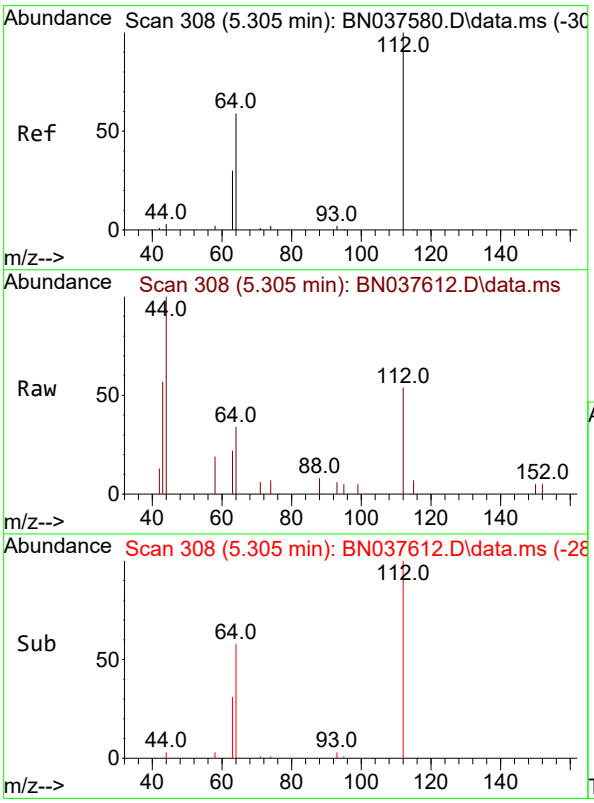
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Instrument :
BNA_N
ClientSampleId :
EB01-081325

Tgt Ion:152 Resp: 2243

Ion	Ratio	Lower	Upper
152	100		
150	153.2	122.2	183.4
115	60.9	49.8	74.6

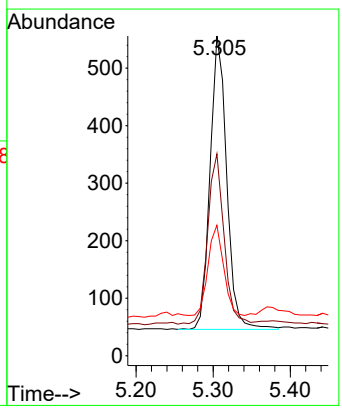


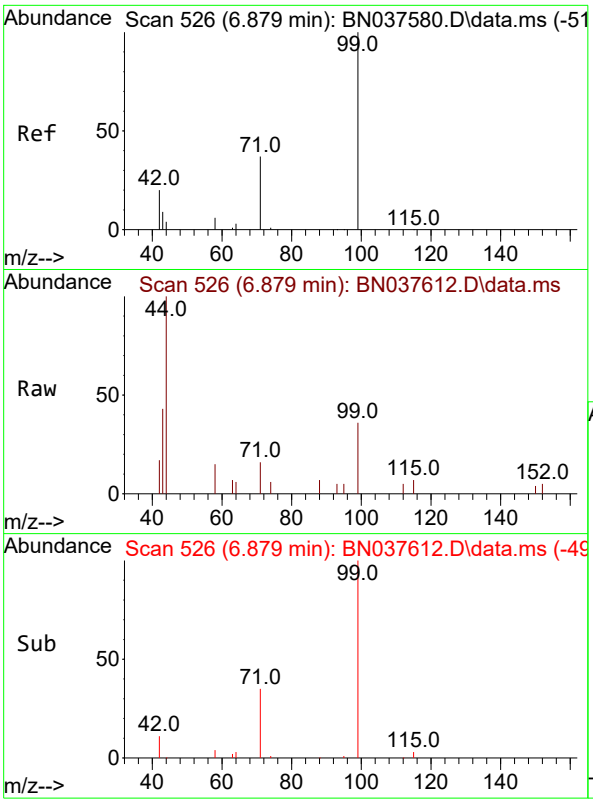


#4
2-Fluorophenol
Concen: 0.150 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion:112 Resp: 763

Ion	Ratio	Lower	Upper
112	100		
64	56.7	44.9	67.3
63	29.5	23.4	35.2



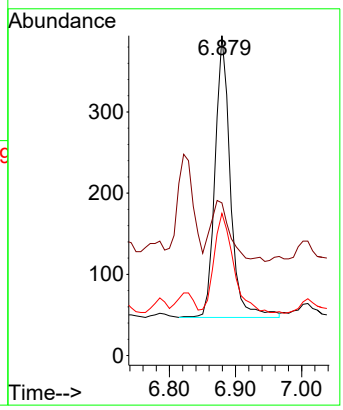


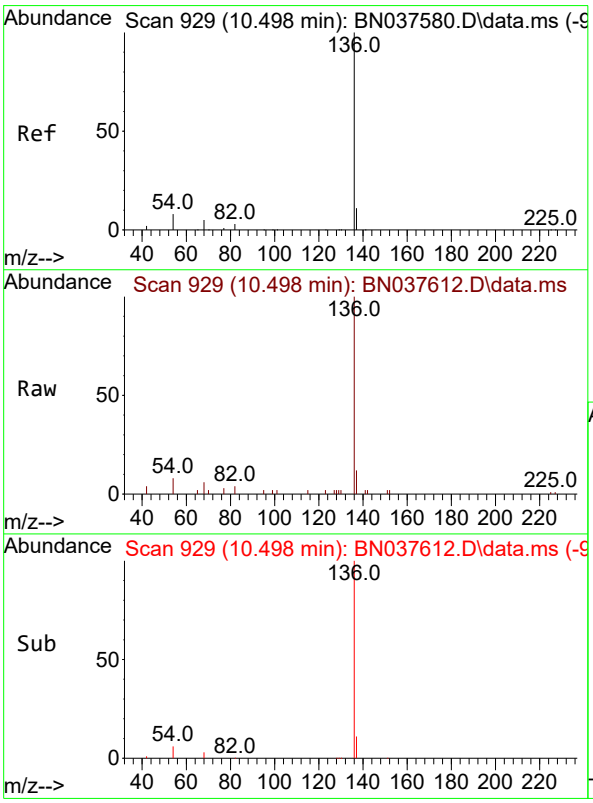
#5
Phenol-d6
Concen: 0.091 ng
RT: 6.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Instrument :
BNA_N
ClientSampleId :
EB01-081325

Tgt Ion: 99 Resp: 559

Ion	Ratio	Lower	Upper
99	100		
42	24.2	18.5	27.7
71	45.4	28.6	42.8#

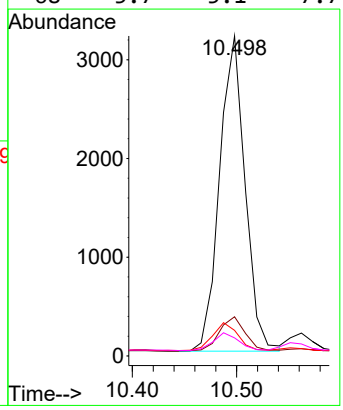


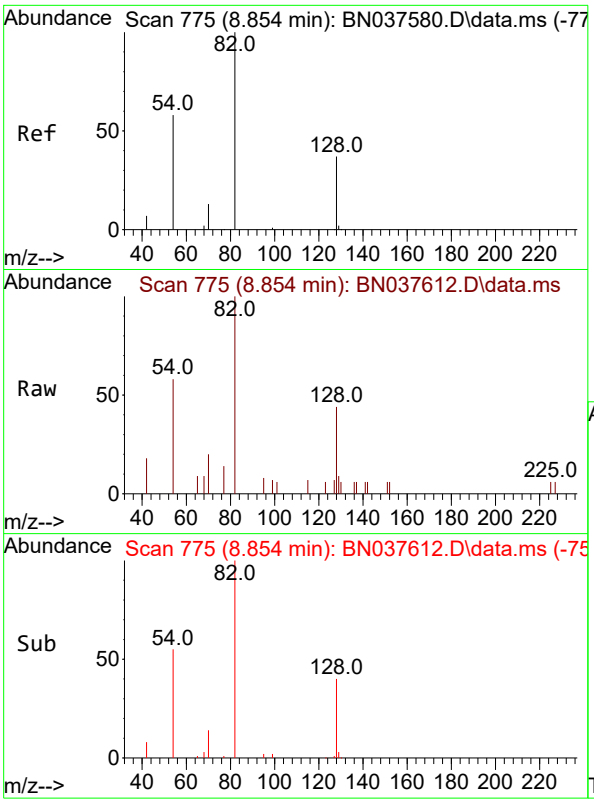


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion:136 Resp: 5421

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.0	7.3	10.9
68	5.7	5.1	7.7



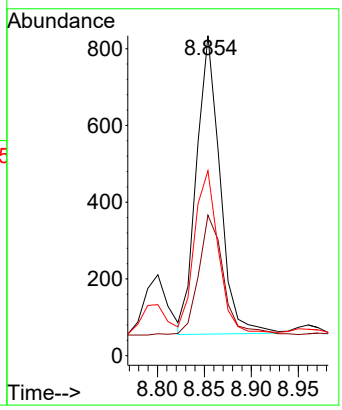


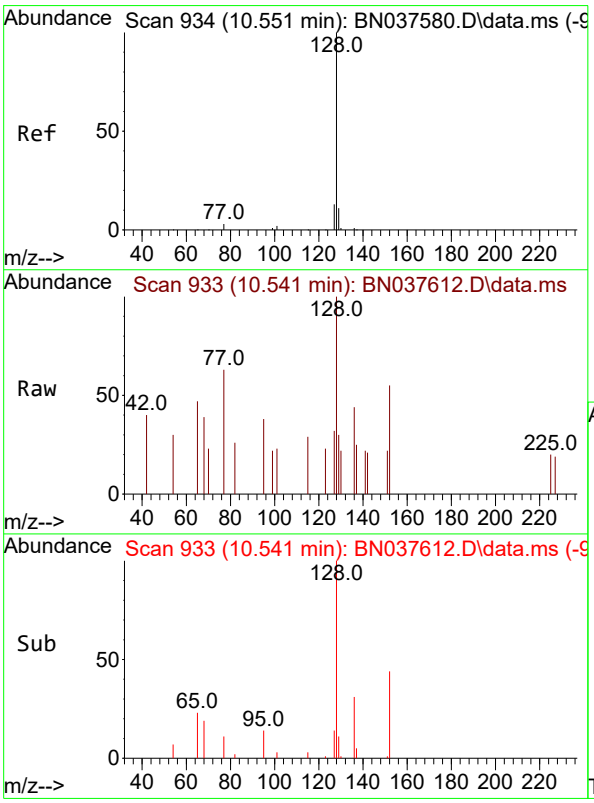
#8
Nitrobenzene-d5
Concen: 0.355 ng
RT: 8.854 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Instrument :
BNA_N
ClientSampleId :
EB01-081325

Tgt Ion: 82 Resp: 1354

Ion	Ratio	Lower	Upper
82	100		
128	43.9	32.6	48.8
54	57.8	48.9	73.3

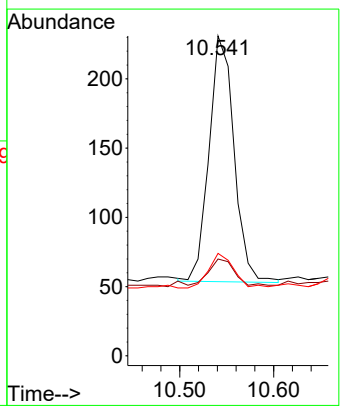


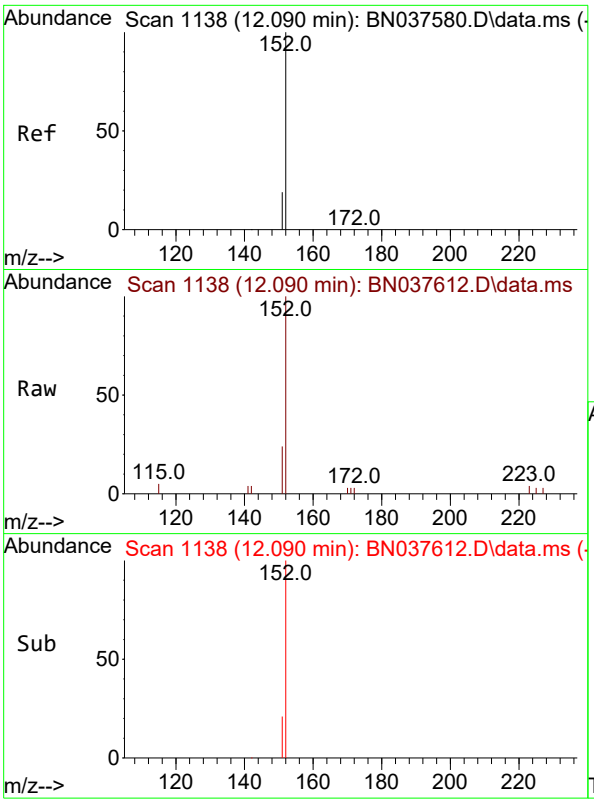


#9
Naphthalene
Concen: 0.023 ng
RT: 10.541 min Scan# 933
Delta R.T. -0.011 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion:128 Resp: 328

Ion	Ratio	Lower	Upper
128	100		
129	30.3	9.8	14.6#
127	32.0	11.5	17.3#



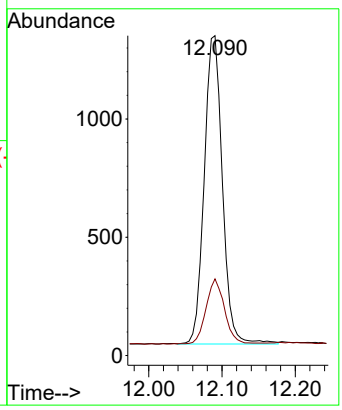


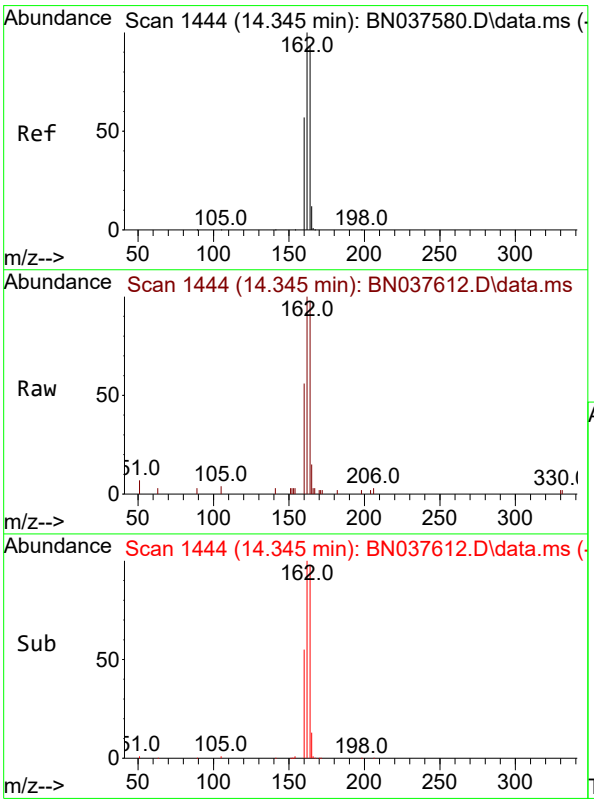
#11
2-Methylnaphthalene-d10
Concen: 0.304 ng
RT: 12.090 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Instrument :
BNA_N
ClientSampleId :
EB01-081325

Tgt Ion:152 Resp: 2242

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.3	25.9

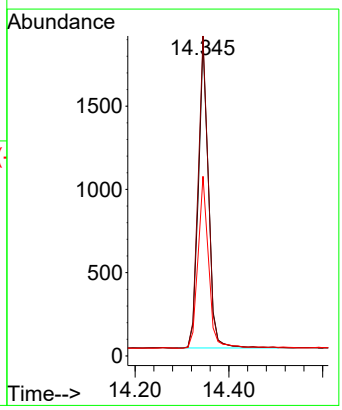


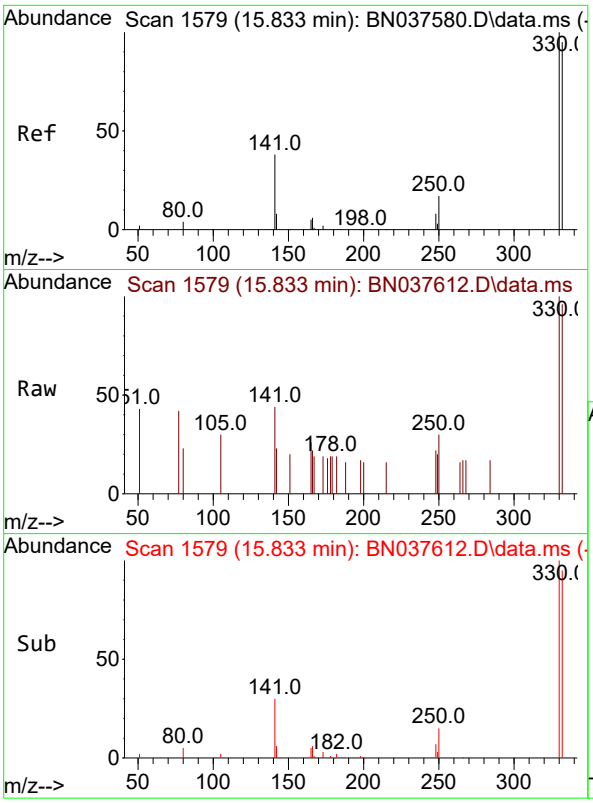


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion:164 Resp: 2768

Ion	Ratio	Lower	Upper
164	100		
162	102.0	85.5	128.3
160	57.3	49.5	74.3



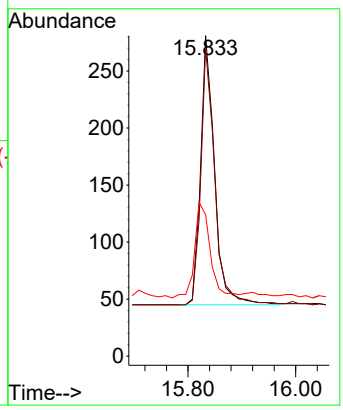


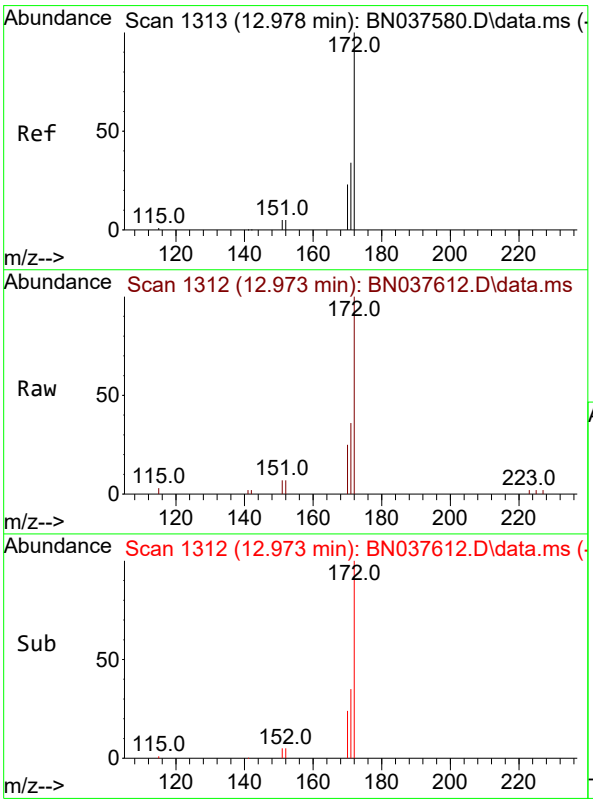
#14
2,4,6-Tribromophenol
Concen: 0.352 ng
RT: 15.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Instrument :
BNA_N
ClientSampleId :
EB01-081325

Tgt Ion:330 Resp: 427

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.4	116.0
141	40.0	30.9	46.3

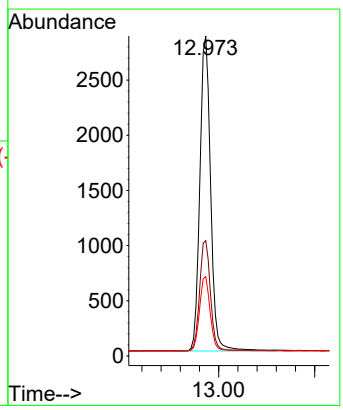


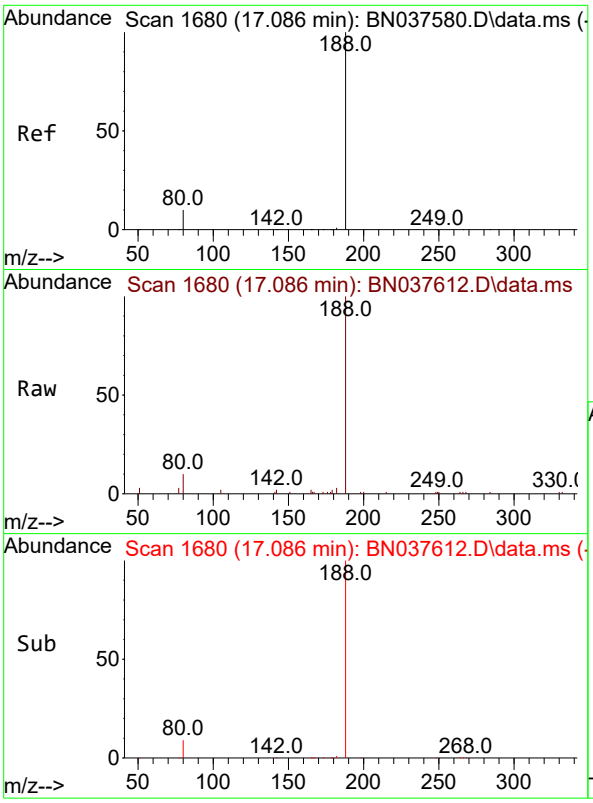


#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion:172 Resp: 6231

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.4
170	24.8	19.2	28.8



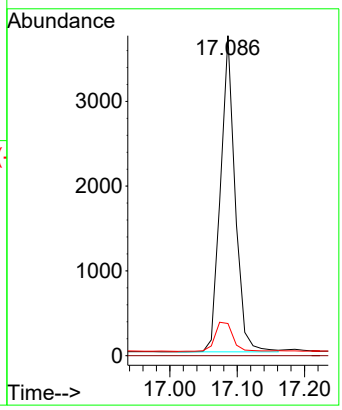


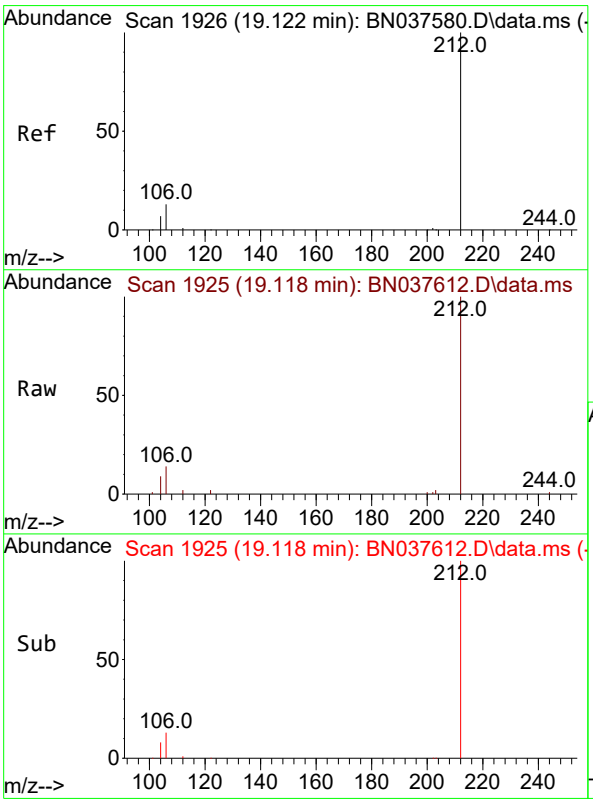
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Instrument :
BNA_N
ClientSampleId :
EB01-081325

Tgt Ion:188 Resp: 5604

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	9.1	13.7

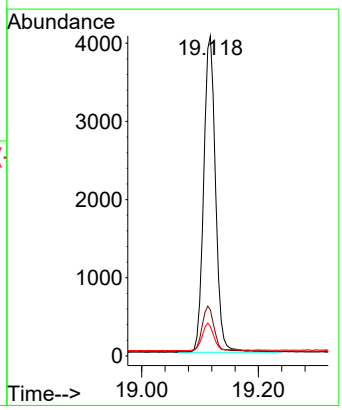


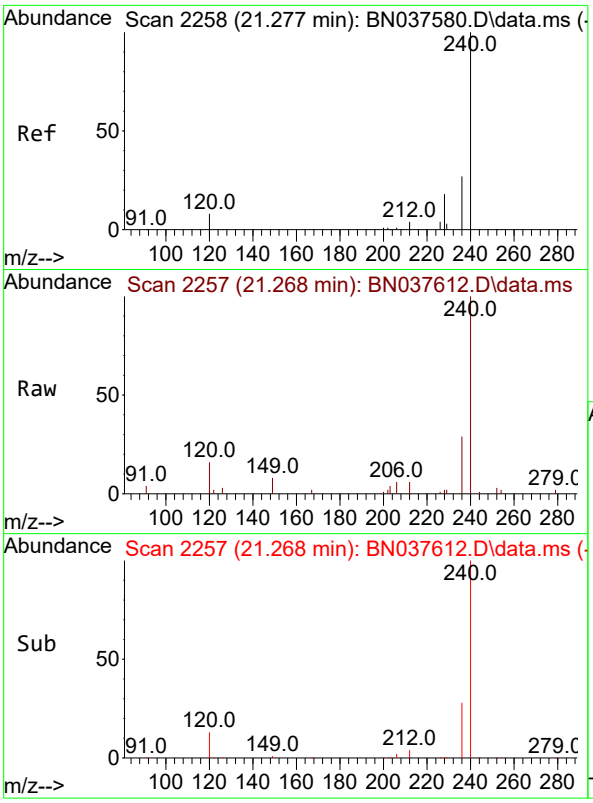


#27
Fluoranthene-d10
Concen: 0.389 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.005 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion:212 Resp: 5735

Ion	Ratio	Lower	Upper
212	100		
106	14.6	11.5	17.3
104	8.5	6.6	9.8



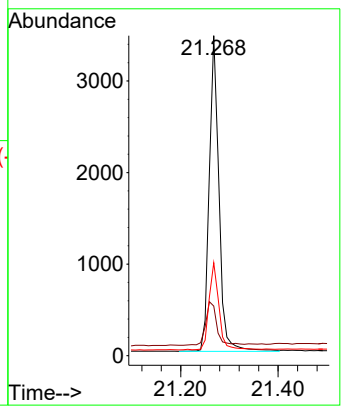


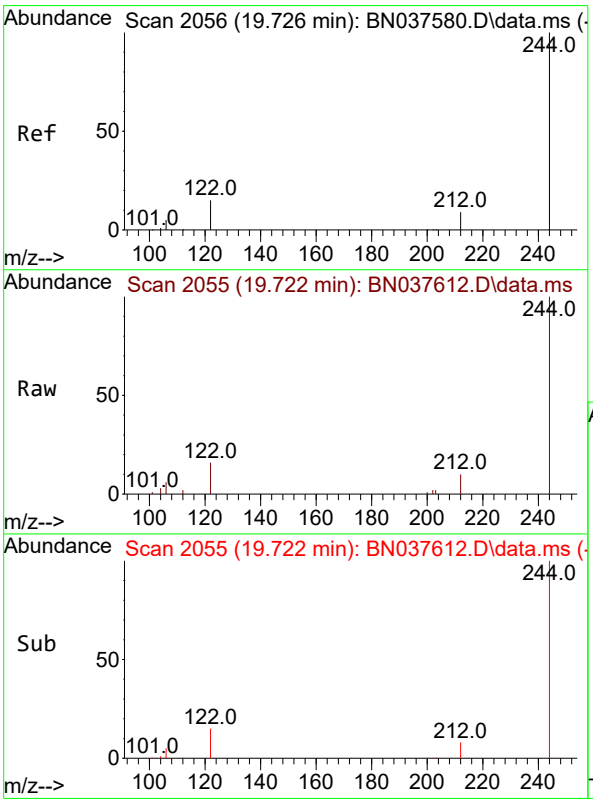
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Instrument :
BNA_N
ClientSampleId :
EB01-081325

Tgt Ion:240 Resp: 4806

Ion	Ratio	Lower	Upper
240	100		
120	15.5	8.9	13.3#
236	29.0	22.6	33.8

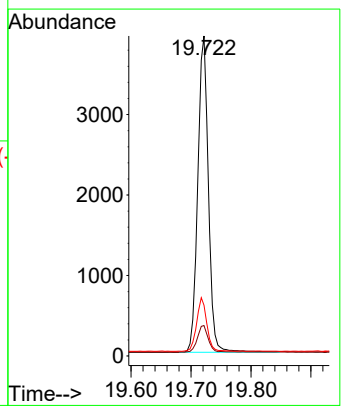


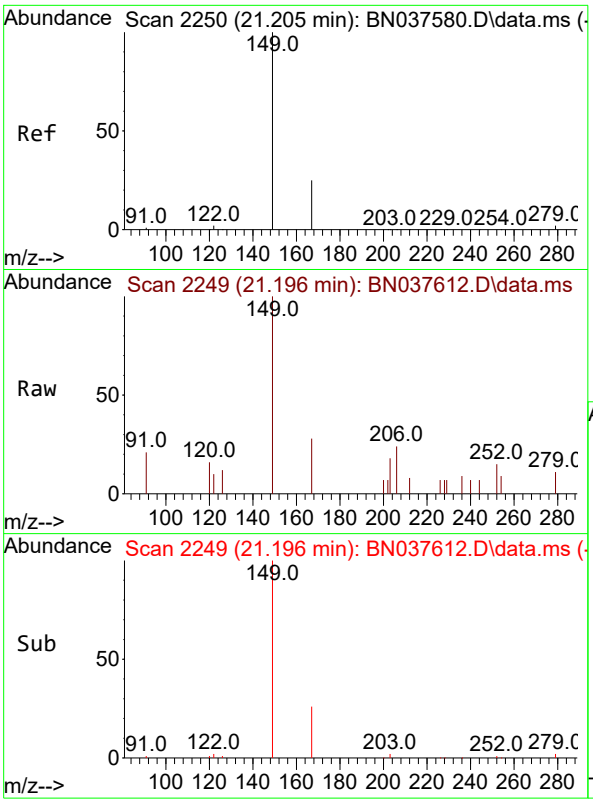


#31
Terphenyl-d14
Concen: 0.490 ng
RT: 19.722 min Scan# 2055
Delta R.T. -0.005 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion:244 Resp: 4846

Ion	Ratio	Lower	Upper
244	100		
212	9.5	8.2	12.2
122	15.9	13.2	19.8



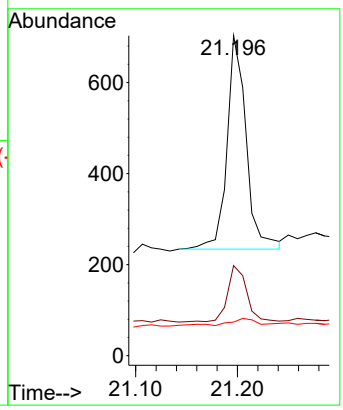


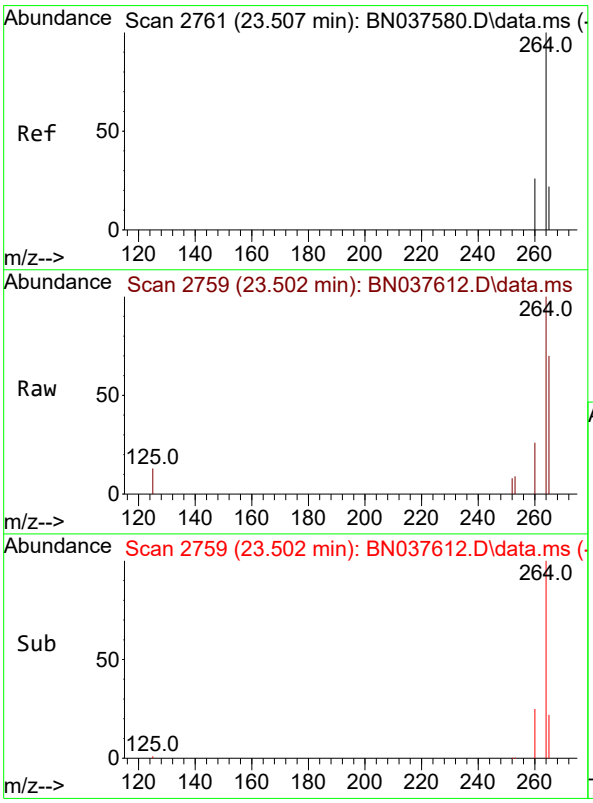
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.093 ng
RT: 21.196 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Instrument :
BNA_N
ClientSampleId :
EB01-081325

Tgt Ion:149 Resp: 615

Ion	Ratio	Lower	Upper
149	100		
167	26.5	20.5	30.7
279	4.4	2.6	4.0#

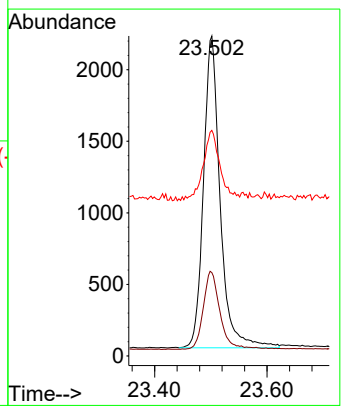




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 2759
Delta R.T. -0.006 min
Lab File: BN037612.D
Acq: 19 Aug 2025 17:54

Tgt Ion:264 Resp: 4479

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.6	32.4
265	70.5	48.2	72.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037613.D
Acq On : 19 Aug 2025 18:30
Operator : RC/JU
Sample : Q2869-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB02-081325

Quant Time: Aug 20 01:28:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

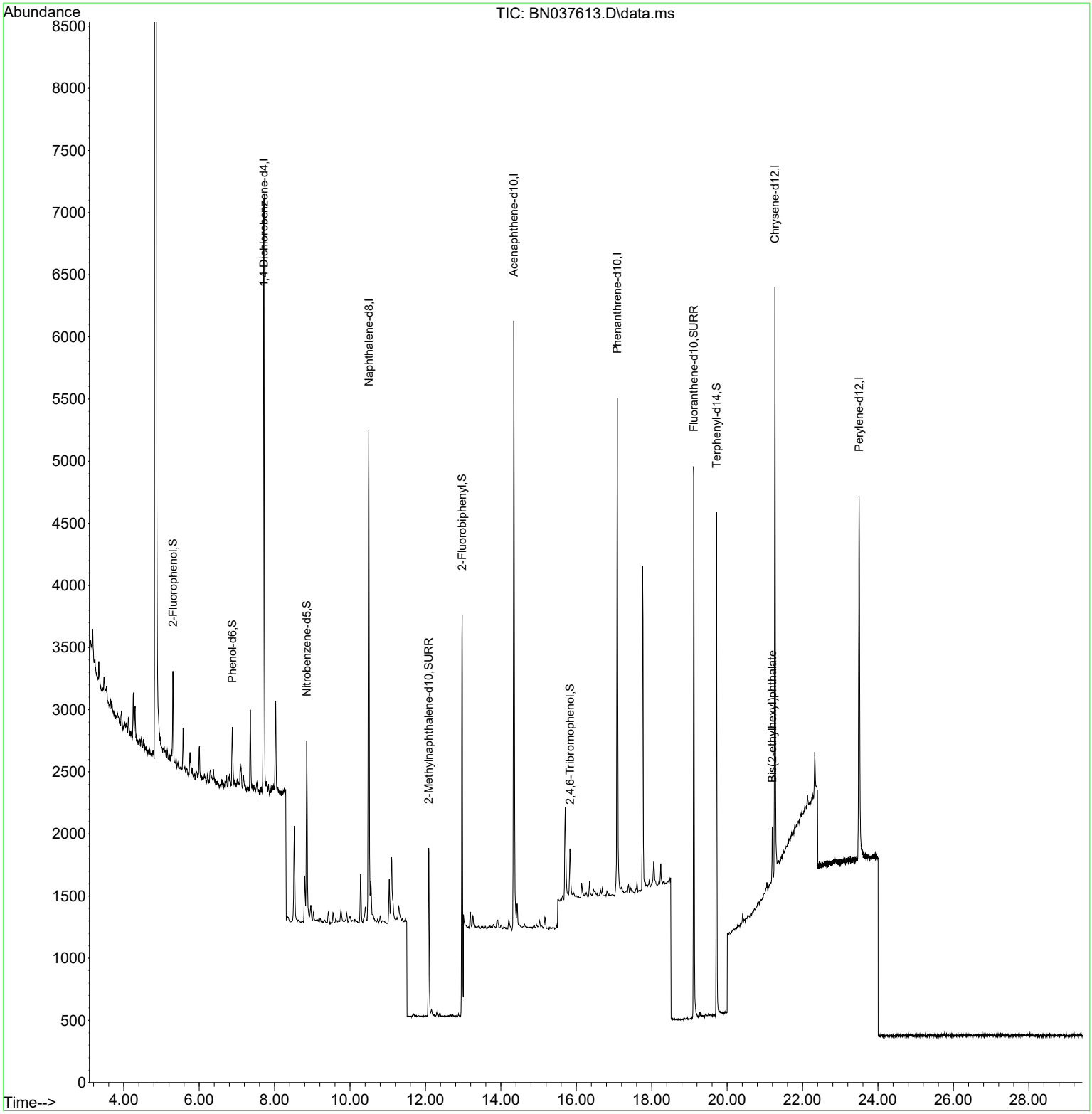
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2371	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5789	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2832	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5676	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4482	0.400	ng	# 0.00
35) Perylene-d12	23.499	264	4034	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	578	0.108	ng	0.00
5) Phenol-d6	6.879	99	411	0.064	ng	0.00
8) Nitrobenzene-d5	8.854	82	1090	0.267	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	1923	0.244	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	277	0.223	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	4503	0.275	ng	0.00
27) Fluoranthene-d10	19.118	212	5122	0.343	ng	0.00
31) Terphenyl-d14	19.717	244	4041	0.438	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.196	149	452	0.073	ng	# 99

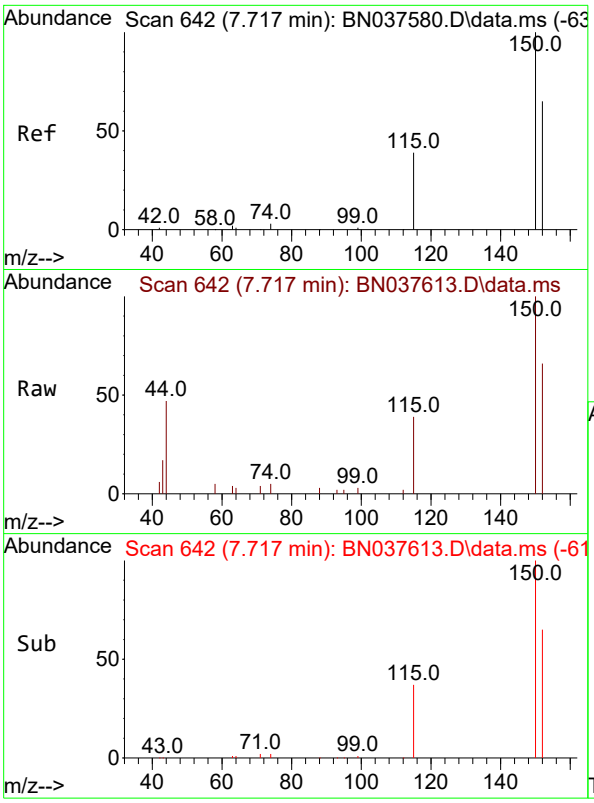
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037613.D
Acq On : 19 Aug 2025 18:30
Operator : RC/JU
Sample : Q2869-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB02-081325

Quant Time: Aug 20 01:28:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



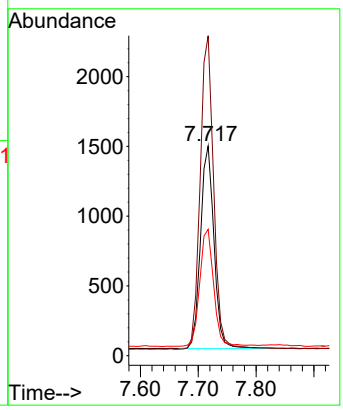


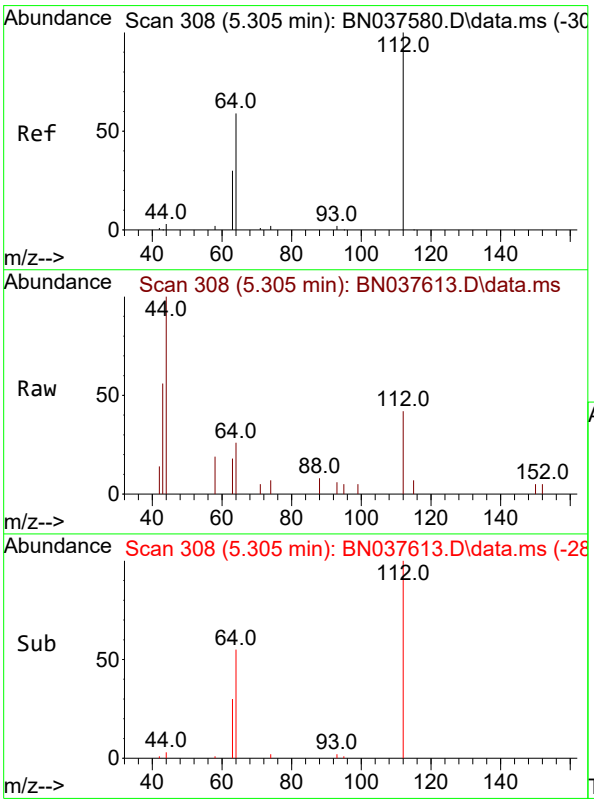
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Instrument :
BNA_N
ClientSampleId :
EB02-081325

Tgt Ion:152 Resp: 2371

Ion	Ratio	Lower	Upper
152	100		
150	152.5	122.2	183.4
115	60.2	49.8	74.6

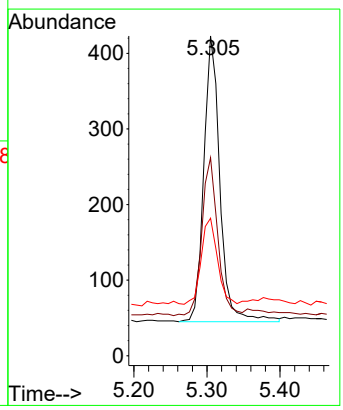


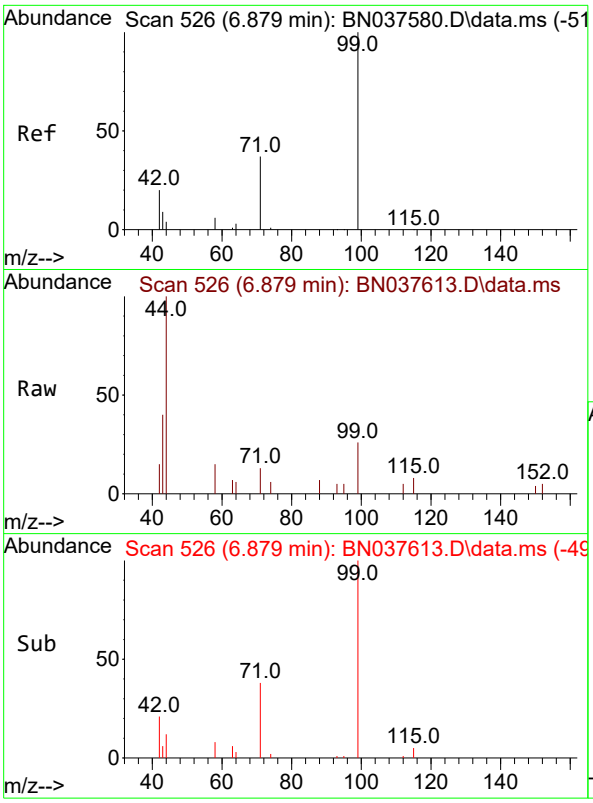


#4
2-Fluorophenol
Concen: 0.108 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion:112 Resp: 578

Ion	Ratio	Lower	Upper
112	100		
64	54.7	44.9	67.3
63	31.3	23.4	35.2



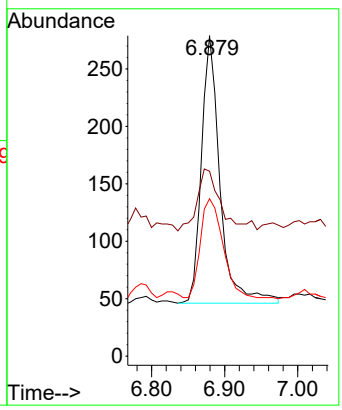


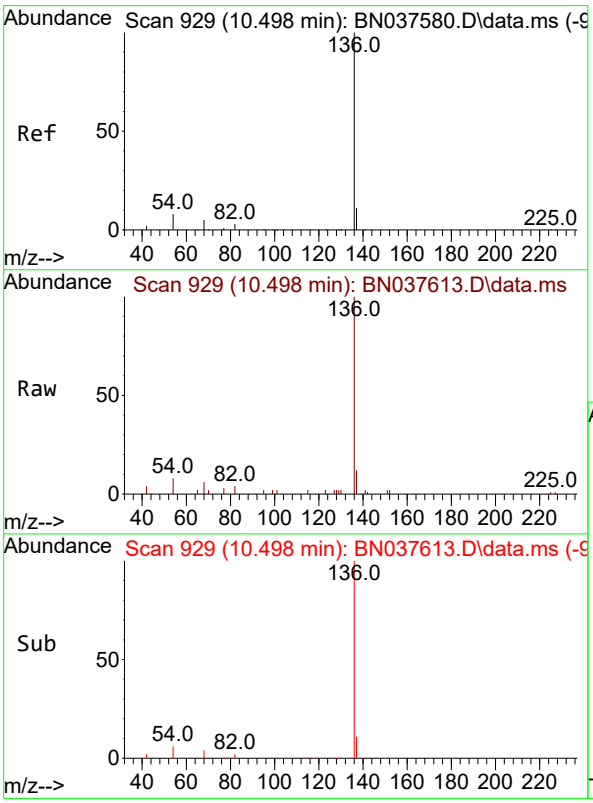
#5
Phenol-d6
Concen: 0.064 ng
RT: 6.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Instrument :
BNA_N
ClientSampleId :
EB02-081325

Tgt Ion: 99 Resp: 411

Ion	Ratio	Lower	Upper
99	100		
42	29.2	18.5	27.7#
71	45.7	28.6	42.8#

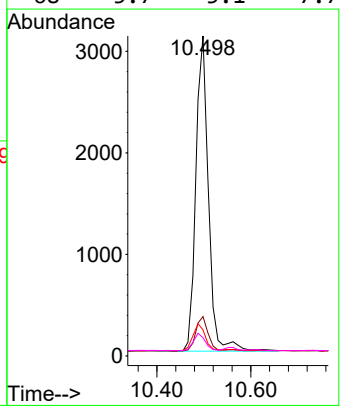


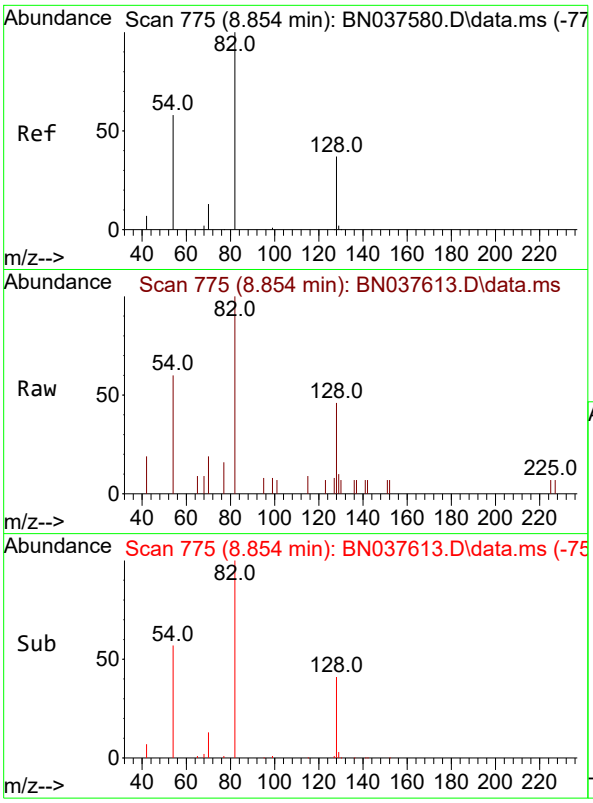


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion:136 Resp: 5789

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.5	14.3
54	8.2	7.3	10.9
68	5.7	5.1	7.7



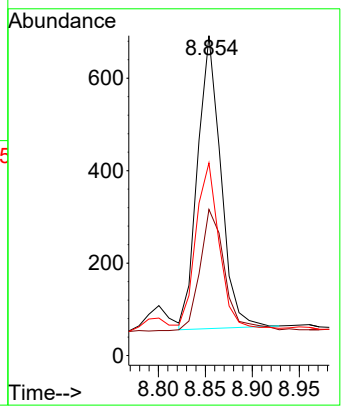


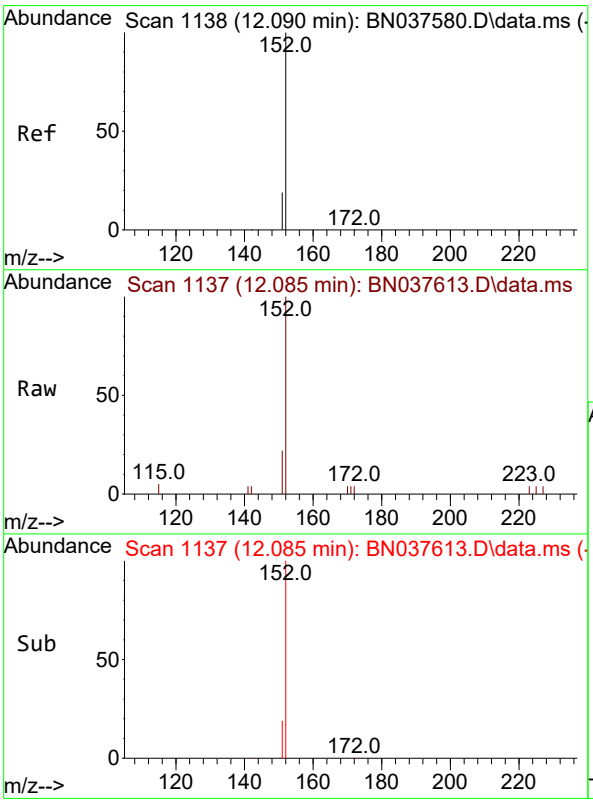
#8
Nitrobenzene-d5
Concen: 0.267 ng
RT: 8.854 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Instrument :
BNA_N
ClientSampleId :
EB02-081325

Tgt Ion: 82 Resp: 1090

Ion	Ratio	Lower	Upper
82	100		
128	45.7	32.6	48.8
54	60.3	48.9	73.3

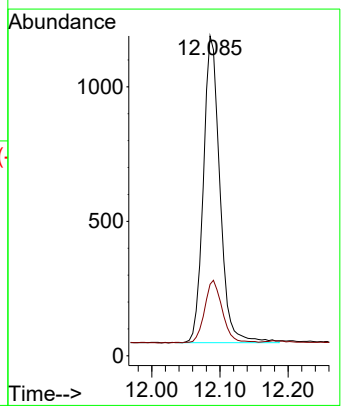


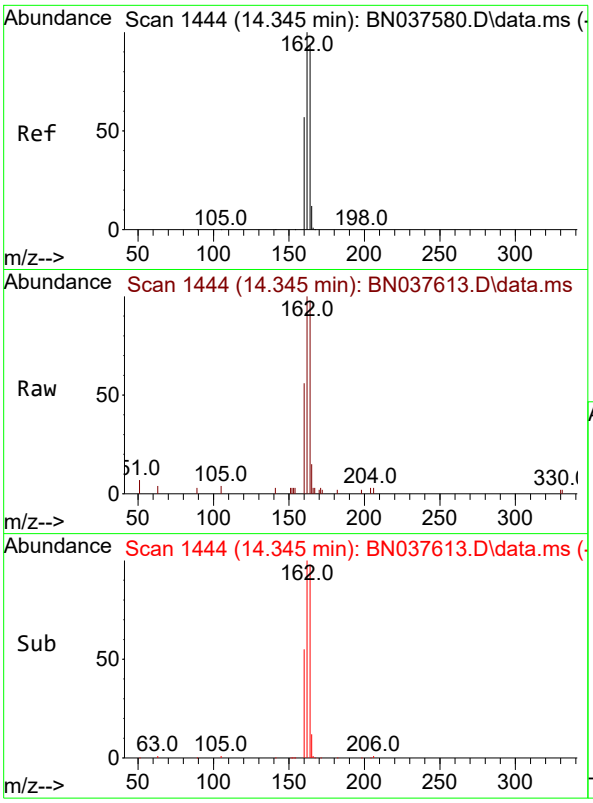


#11
2-Methylnaphthalene-d10
Concen: 0.244 ng
RT: 12.085 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion:152 Resp: 1923

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.3	25.9



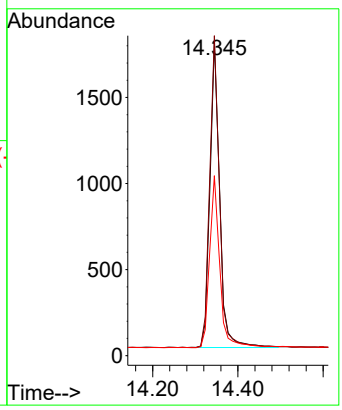


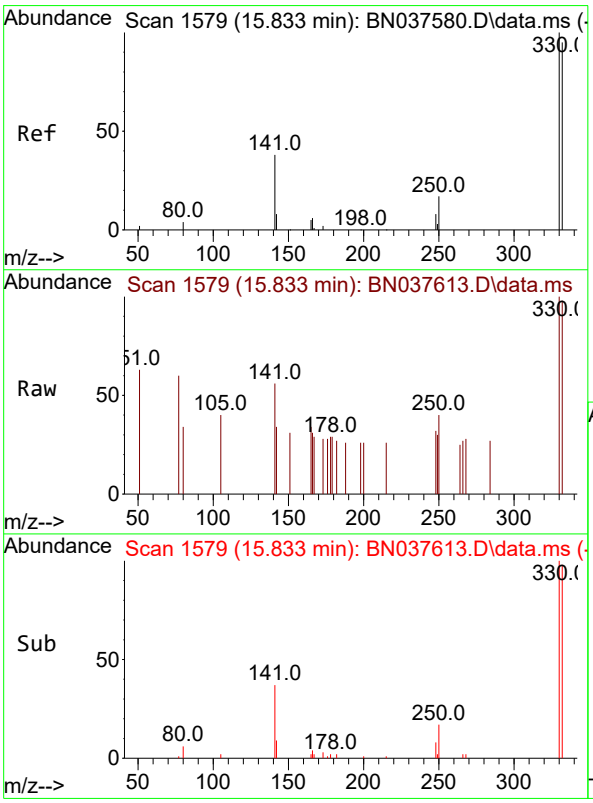
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Instrument :
BNA_N
ClientSampleId :
EB02-081325

Tgt Ion:164 Resp: 2832

Ion	Ratio	Lower	Upper
164	100		
162	101.9	85.5	128.3
160	57.3	49.5	74.3

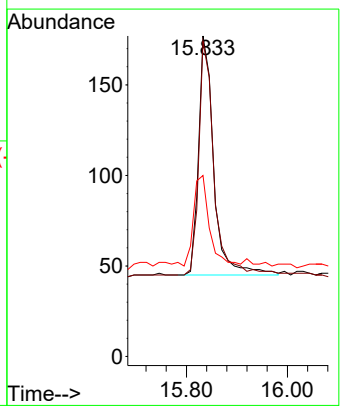


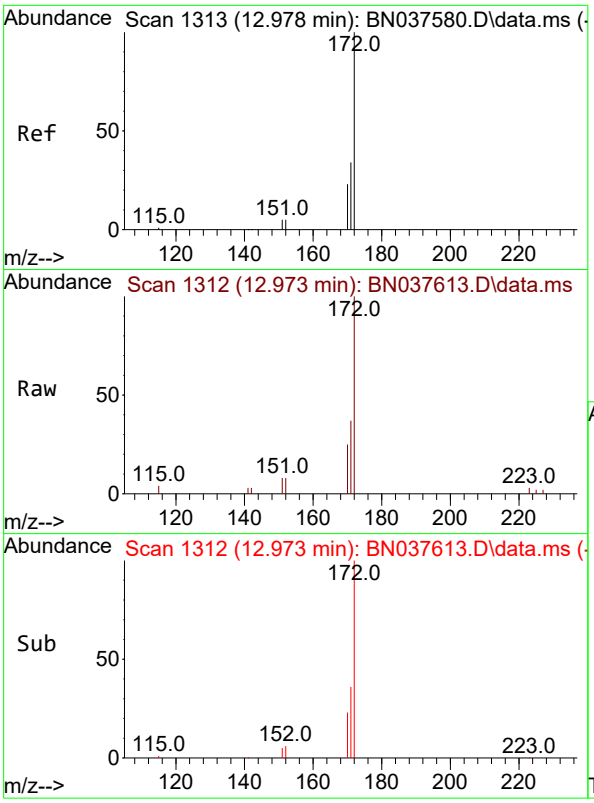


#14
2,4,6-Tribromophenol
Concen: 0.223 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion:330 Resp: 277

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.4	116.0
141	38.3	30.9	46.3



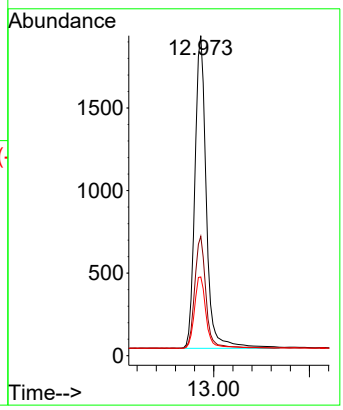


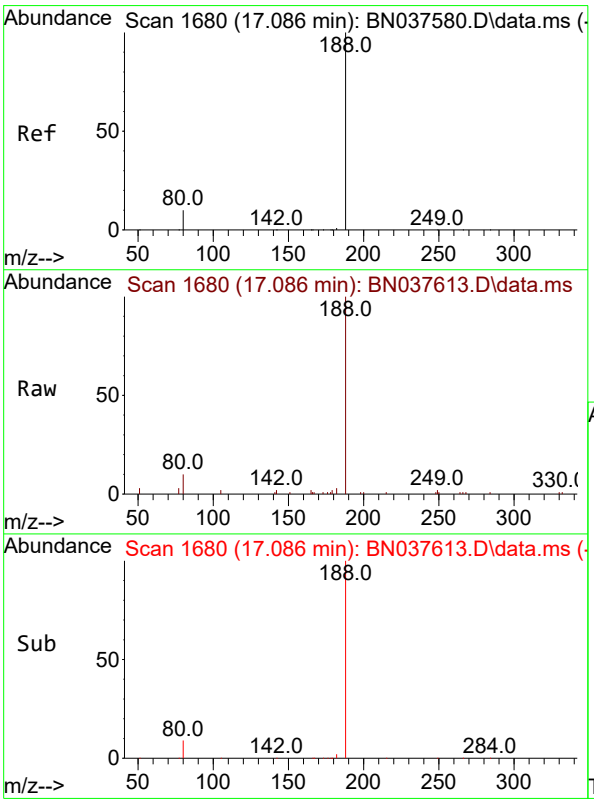
#15
2-Fluorobiphenyl
Concen: 0.275 ng
RT: 12.973 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Instrument :
BNA_N
ClientSampleId :
EB02-081325

Tgt Ion:172 Resp: 4503

Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.2	42.4
170	24.6	19.2	28.8

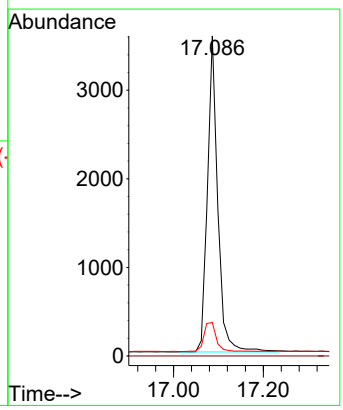


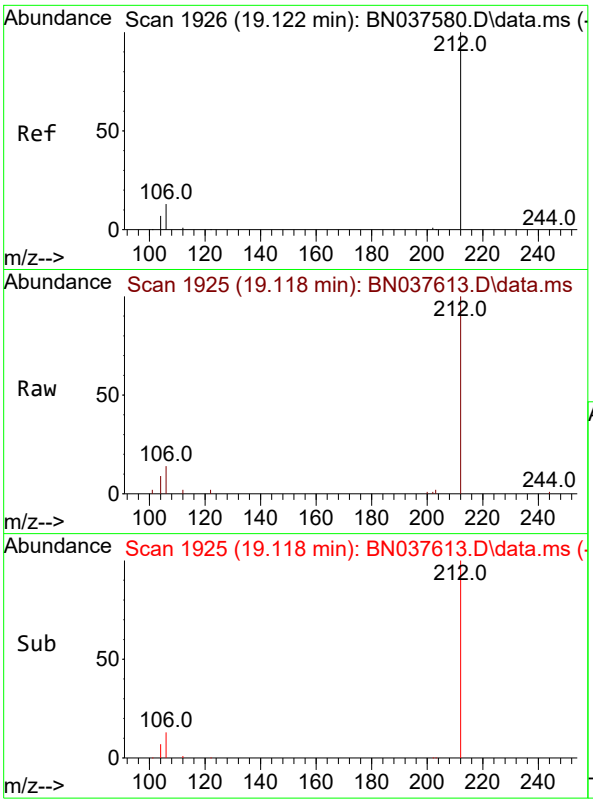


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion:188 Resp: 5676

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	9.1	13.7



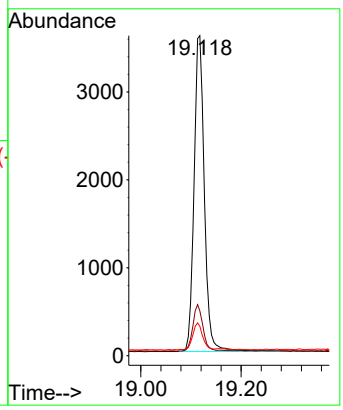


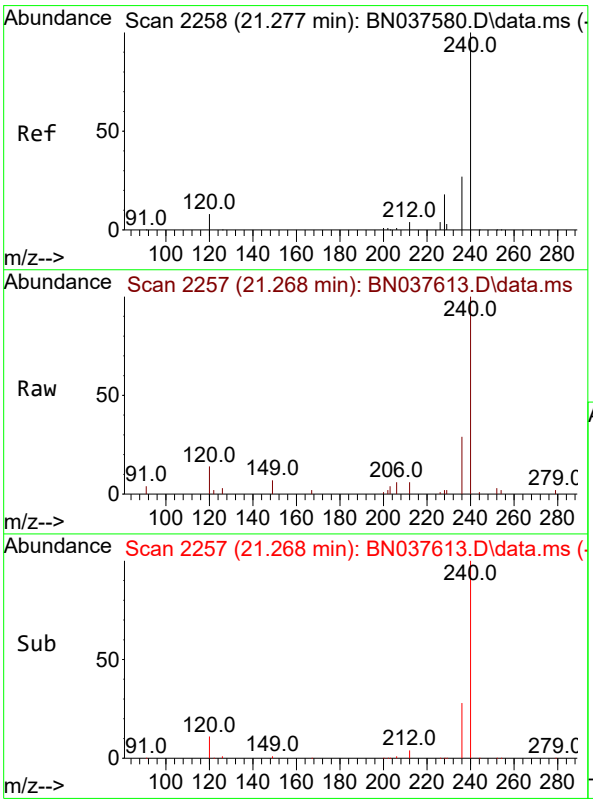
#27
Fluoranthene-d10
Concen: 0.343 ng
RT: 19.118 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Instrument :
BNA_N
ClientSampleId :
EB02-081325

Tgt Ion:212 Resp: 5122

Ion	Ratio	Lower	Upper
212	100		
106	14.4	11.5	17.3
104	8.3	6.6	9.8

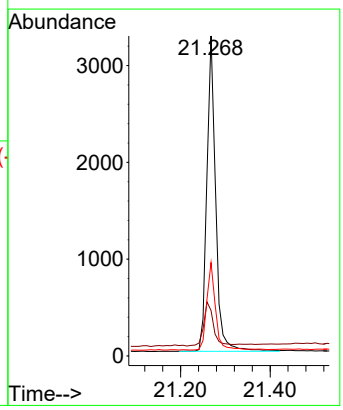


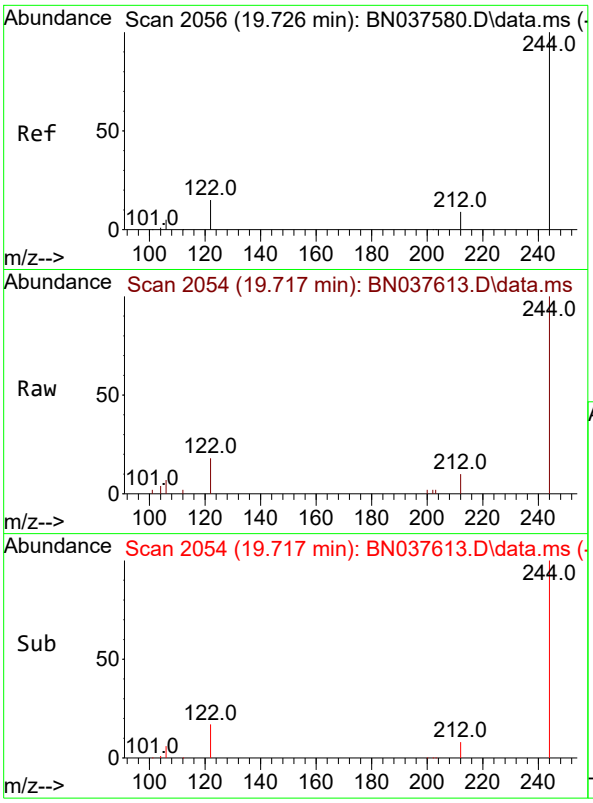


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion:240 Resp: 4482

Ion	Ratio	Lower	Upper
240	100		
120	14.2	8.9	13.3#
236	29.2	22.6	33.8



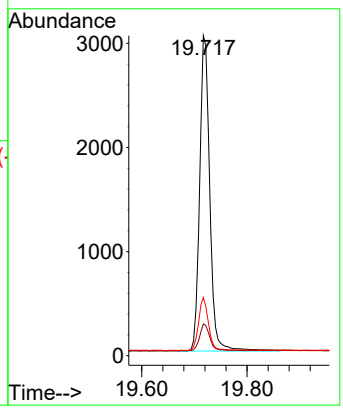


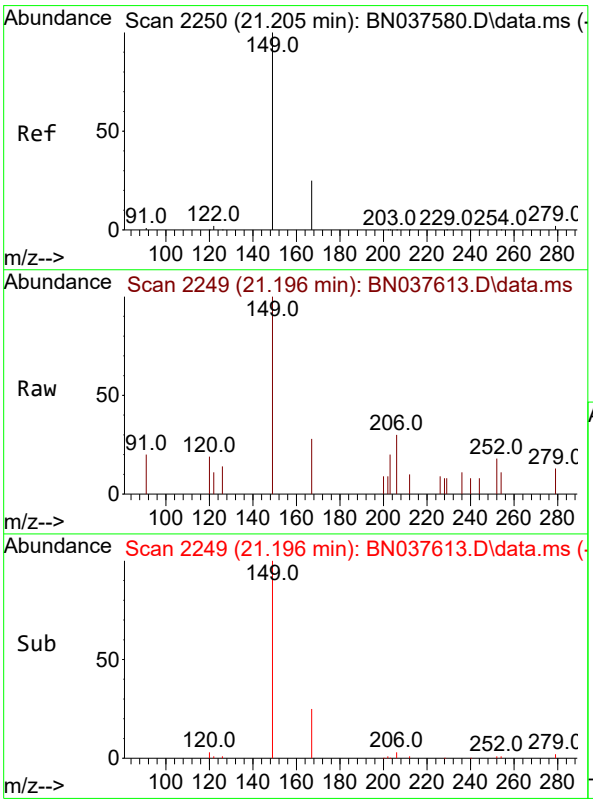
#31
Terphenyl-d14
Concen: 0.438 ng
RT: 19.717 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Instrument :
BNA_N
ClientSampleId :
EB02-081325

Tgt Ion:244 Resp: 4041

Ion	Ratio	Lower	Upper
244	100		
212	9.9	8.2	12.2
122	18.2	13.2	19.8

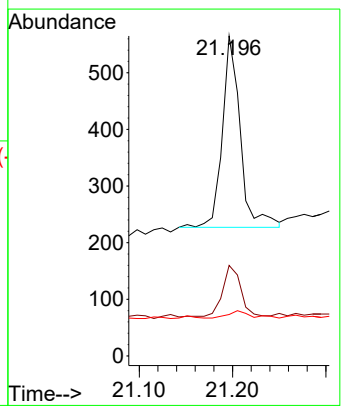


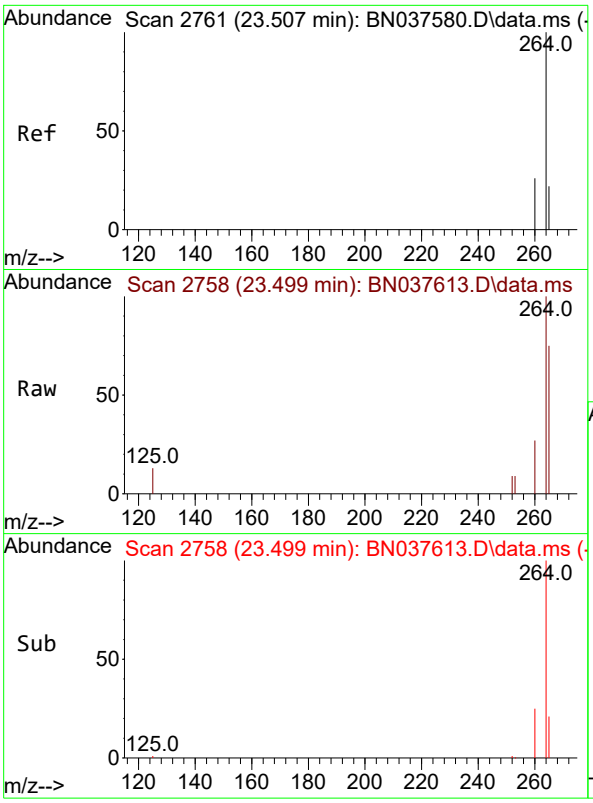


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.073 ng
RT: 21.196 min Scan# 2249
Delta R.T. -0.009 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Tgt Ion:149 Resp: 452

Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.5	30.7
279	4.4	2.6	4.0#



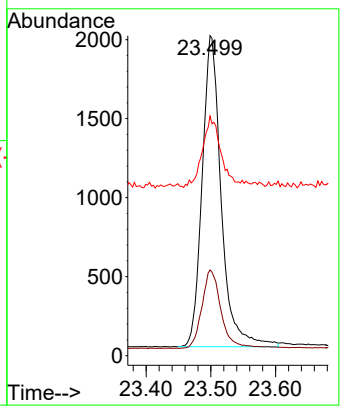


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.499 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037613.D
Acq: 19 Aug 2025 18:30

Instrument :
BNA_N
ClientSampleId :
EB02-081325

Tgt Ion:264 Resp: 4034

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.6	32.4
265	74.9	48.2	72.4#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037619.D
Acq On : 20 Aug 2025 04:50
Operator : RC/JU
Sample : PB169286BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Quant Time: Aug 20 06:13:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

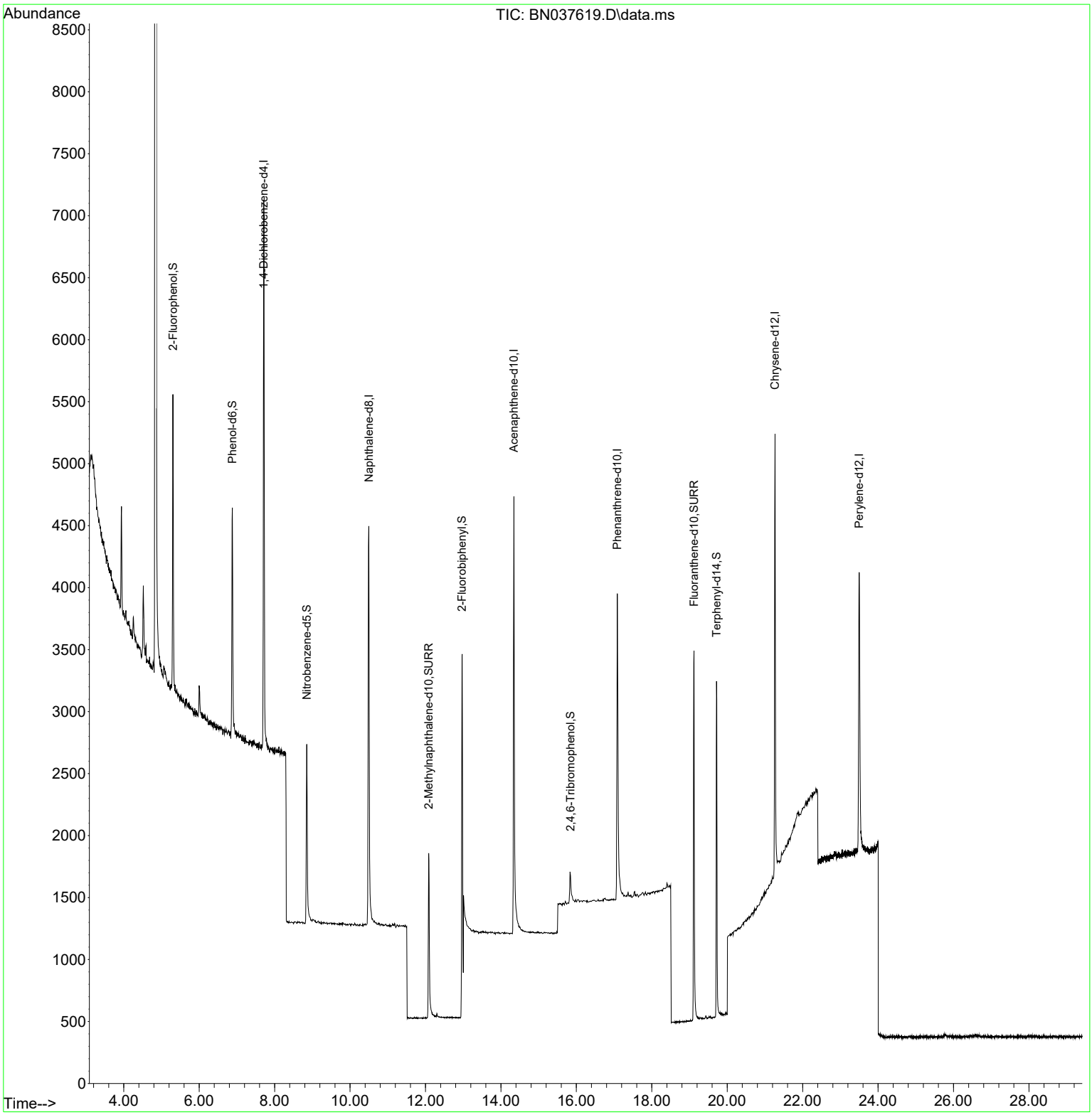
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2323	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5229	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2344	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	4466	0.400	ng	0.00
29) Chrysene-d12	21.268	240	3733	0.400	ng	# 0.00
35) Perylene-d12	23.499	264	3552	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	1799	0.342	ng	0.00
5) Phenol-d6	6.880	99	1860	0.293	ng	0.00
8) Nitrobenzene-d5	8.854	82	1323	0.359	ng	0.00
11) 2-Methylnaphthalene-d10	12.086	152	2298	0.323	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	240	0.234	ng	0.01
15) 2-Fluorobiphenyl	12.968	172	4692	0.346	ng	0.00
27) Fluoranthene-d10	19.118	212	3886	0.331	ng	0.00
31) Terphenyl-d14	19.717	244	2840	0.370	ng	0.00
Target Compounds						Qvalue

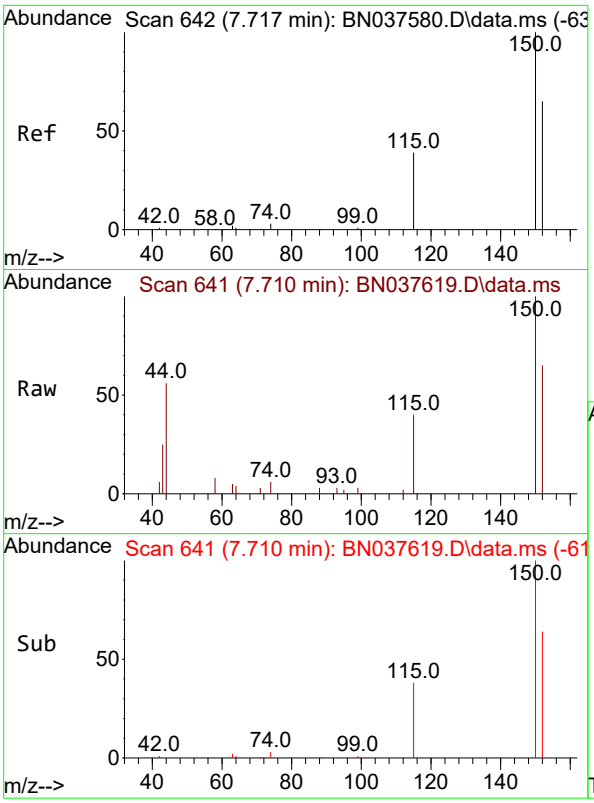
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037619.D
Acq On : 20 Aug 2025 04:50
Operator : RC/JU
Sample : PB169286BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Quant Time: Aug 20 06:13:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



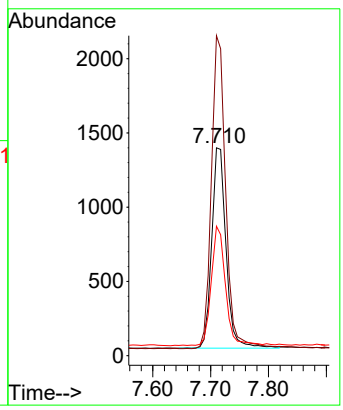


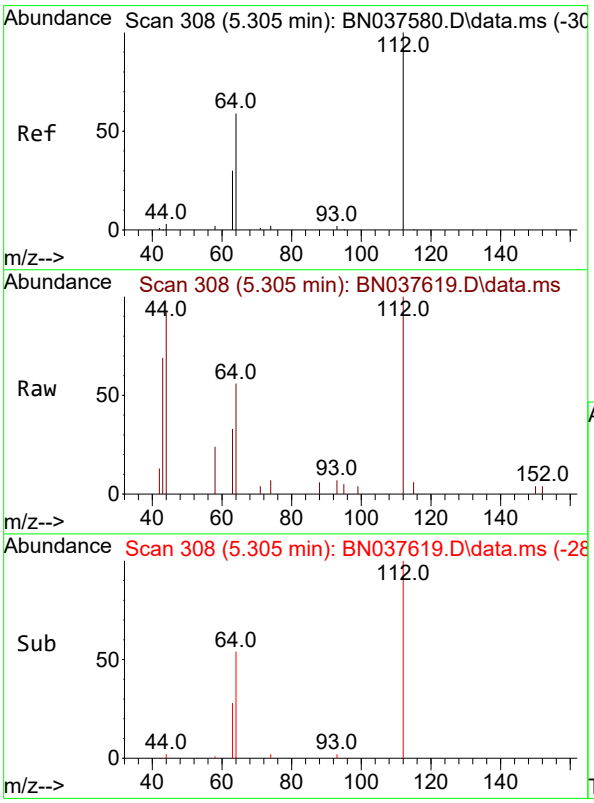
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion:152 Resp: 2323

Ion	Ratio	Lower	Upper
152	100		
150	153.9	122.2	183.4
115	62.3	49.8	74.6

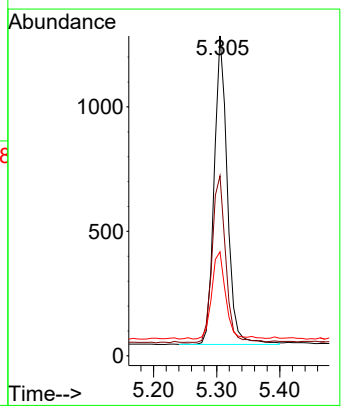


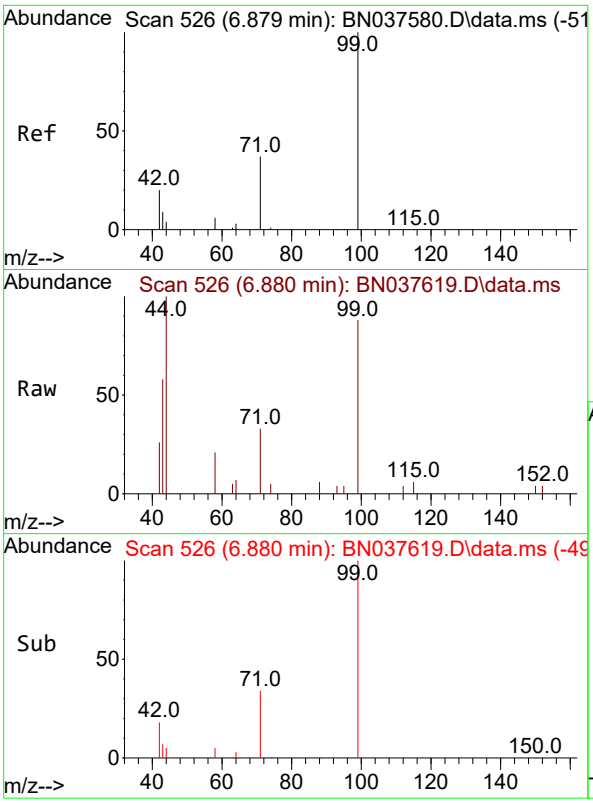


#4
2-Fluorophenol
Concen: 0.342 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:112 Resp: 1799

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.9	67.3
63	30.0	23.4	35.2



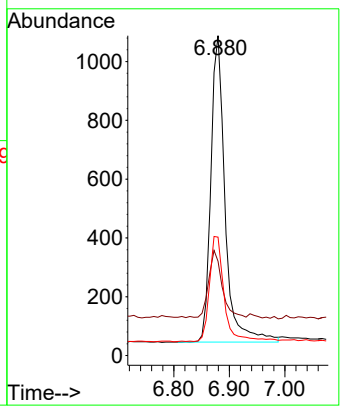


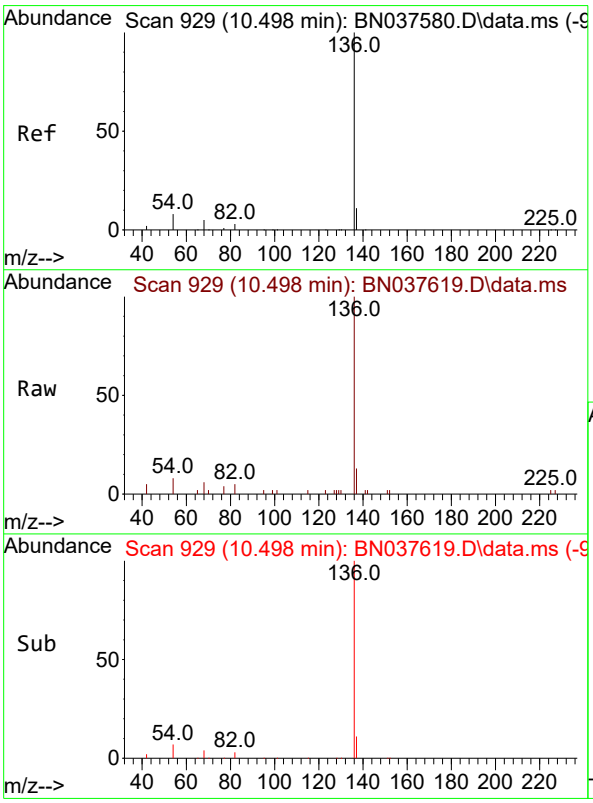
#5
Phenol-d6
Concen: 0.293 ng
RT: 6.880 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion: 99 Resp: 1860

Ion	Ratio	Lower	Upper
99	100		
42	20.8	18.5	27.7
71	35.5	28.6	42.8

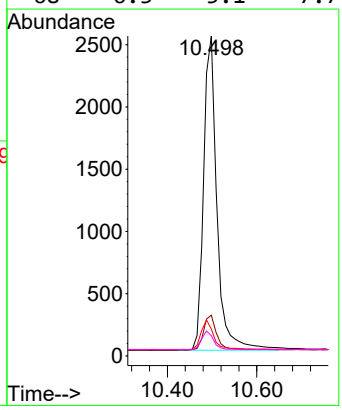


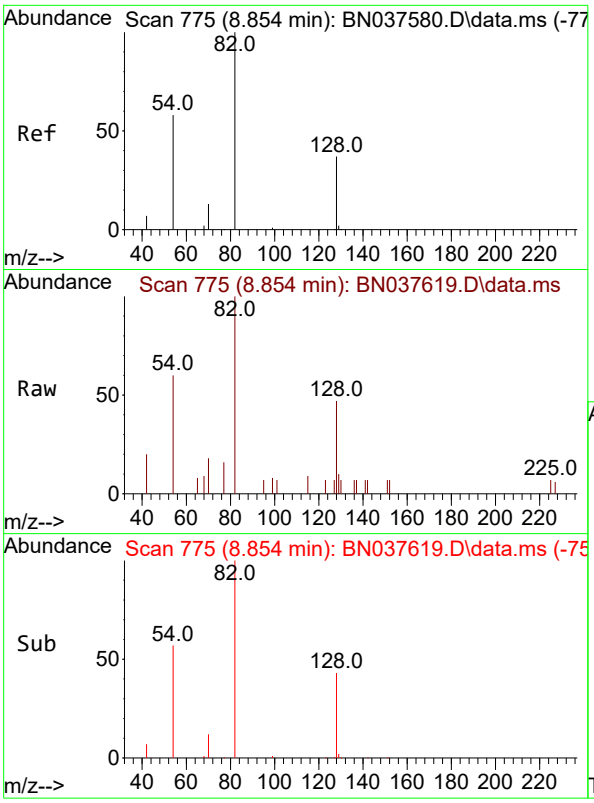


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:136 Resp: 5229

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.5	14.3
54	8.4	7.3	10.9
68	6.3	5.1	7.7



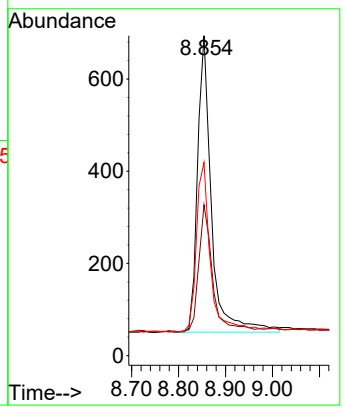


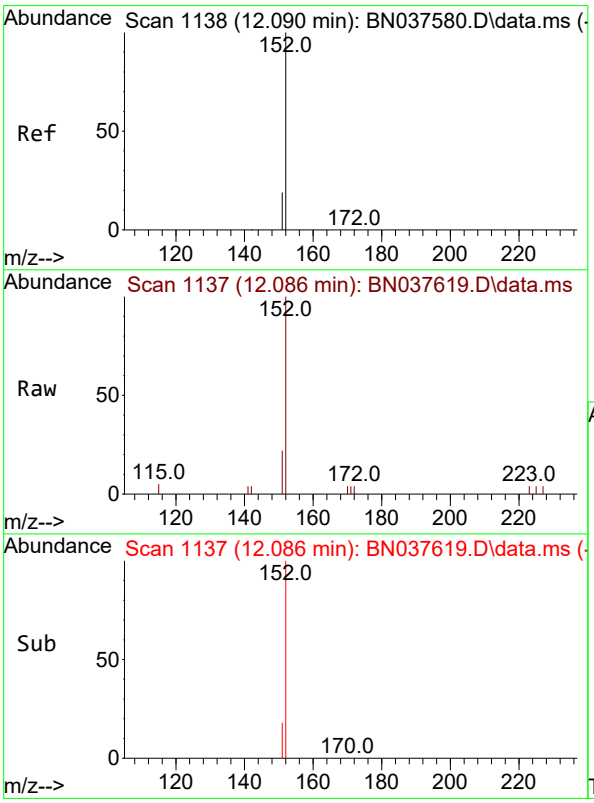
#8
Nitrobenzene-d5
Concen: 0.359 ng
RT: 8.854 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion: 82 Resp: 1323

Ion	Ratio	Lower	Upper
82	100		
128	47.1	32.6	48.8
54	60.4	48.9	73.3

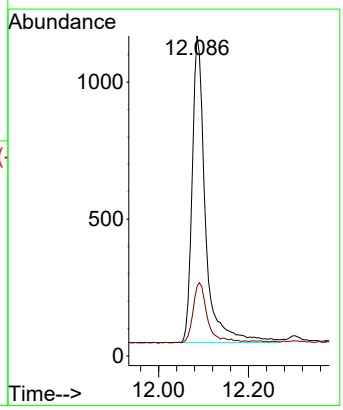


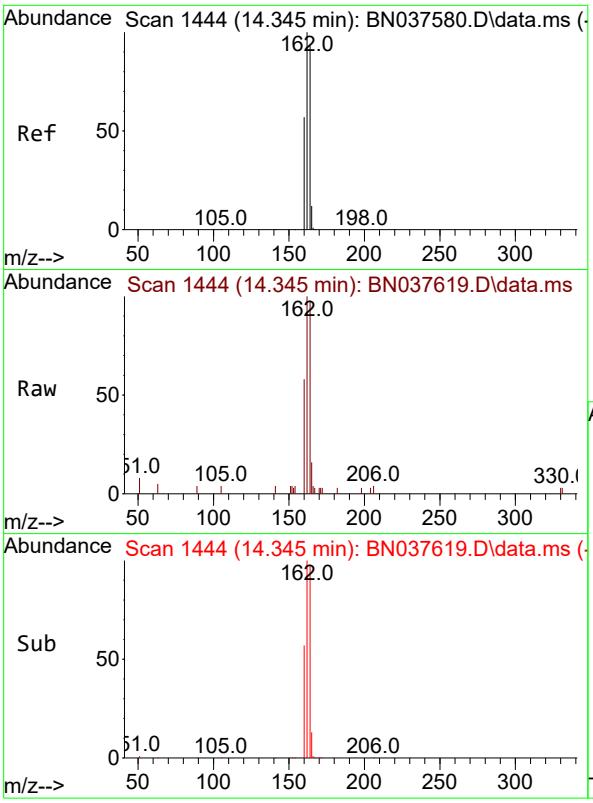


#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 12.086 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:152 Resp: 2298

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.3	25.9



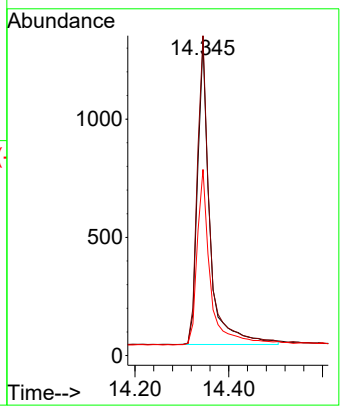


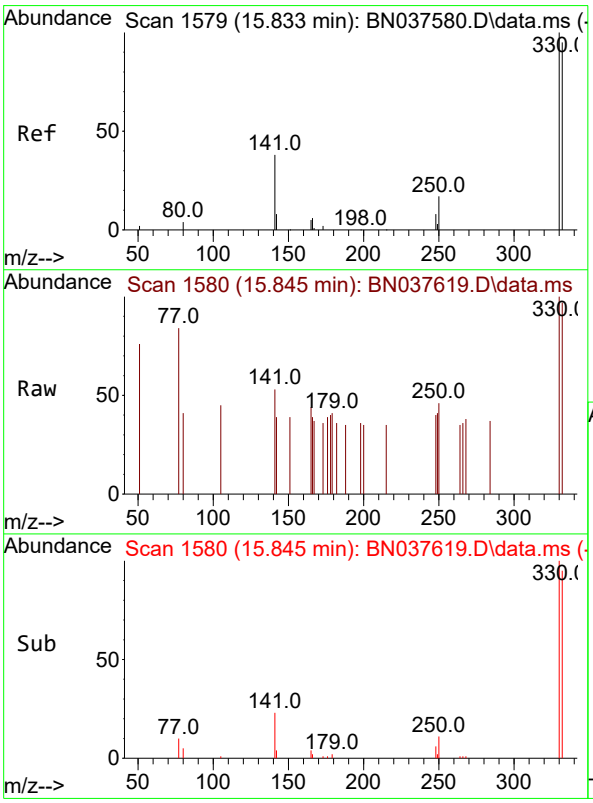
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion:164 Resp: 2344

Ion	Ratio	Lower	Upper
164	100		
162	102.2	85.5	128.3
160	59.4	49.5	74.3

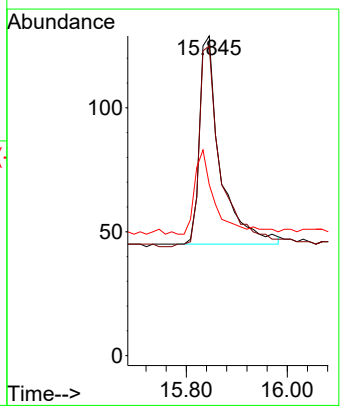


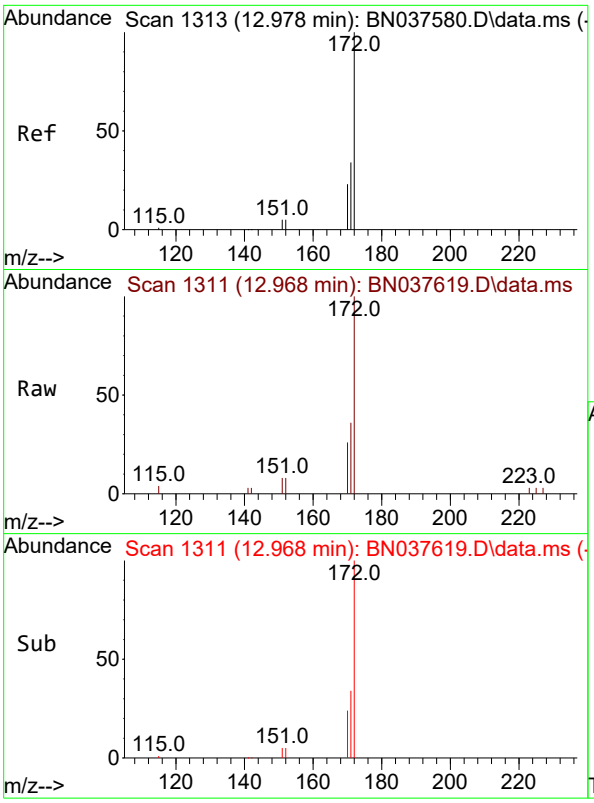


#14
2,4,6-Tribromophenol
Concen: 0.234 ng
RT: 15.845 min Scan# 1580
Delta R.T. 0.013 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:330 Resp: 240

Ion	Ratio	Lower	Upper
330	100		
332	101.3	77.4	116.0
141	40.0	30.9	46.3



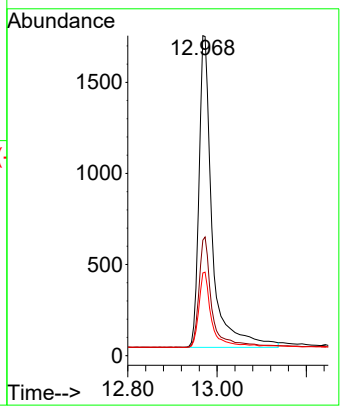


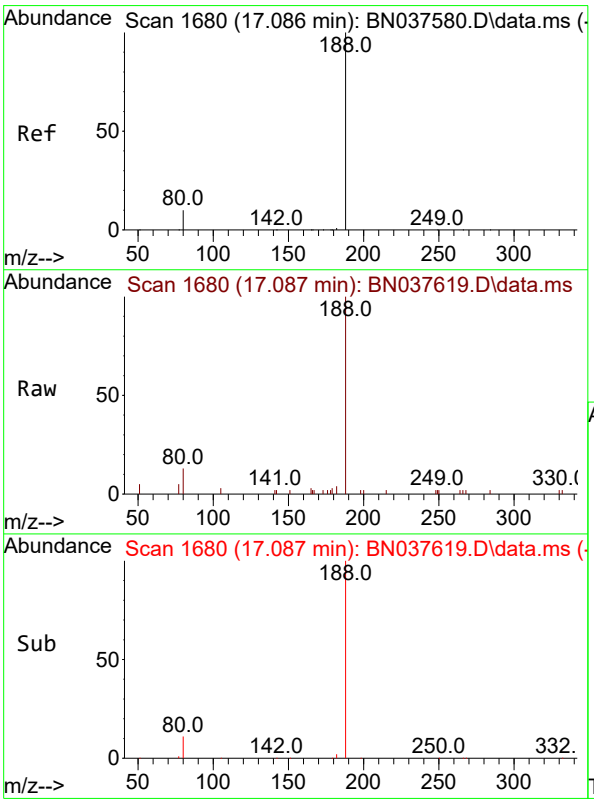
#15
2-Fluorobiphenyl
Concen: 0.346 ng
RT: 12.968 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion:172 Resp: 4692

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.4
170	25.9	19.2	28.8

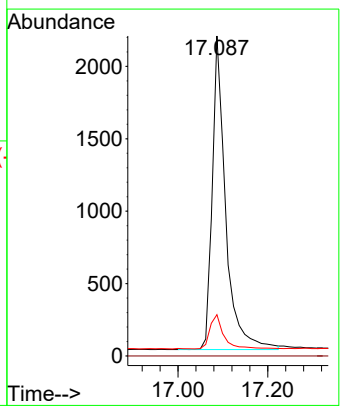


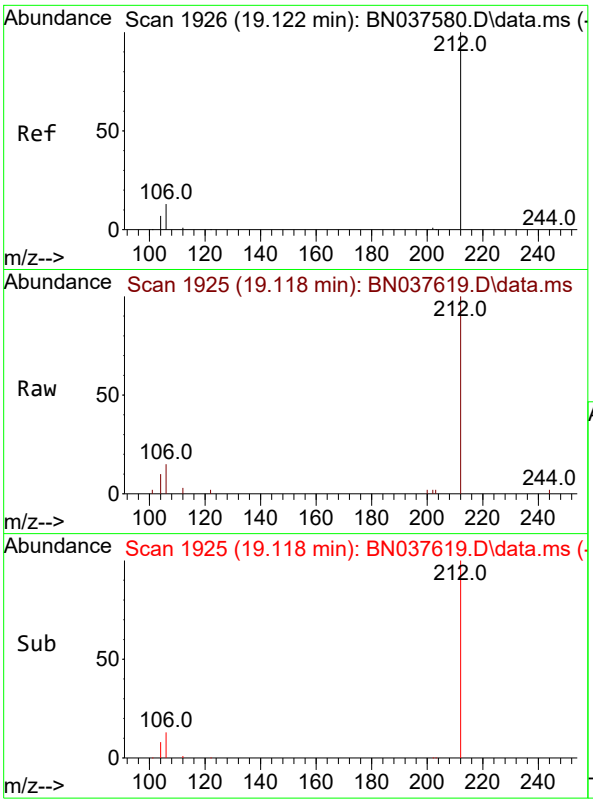


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.087 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:188 Resp: 4466

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.9	9.1	13.7



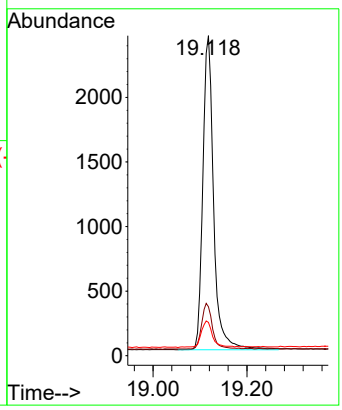


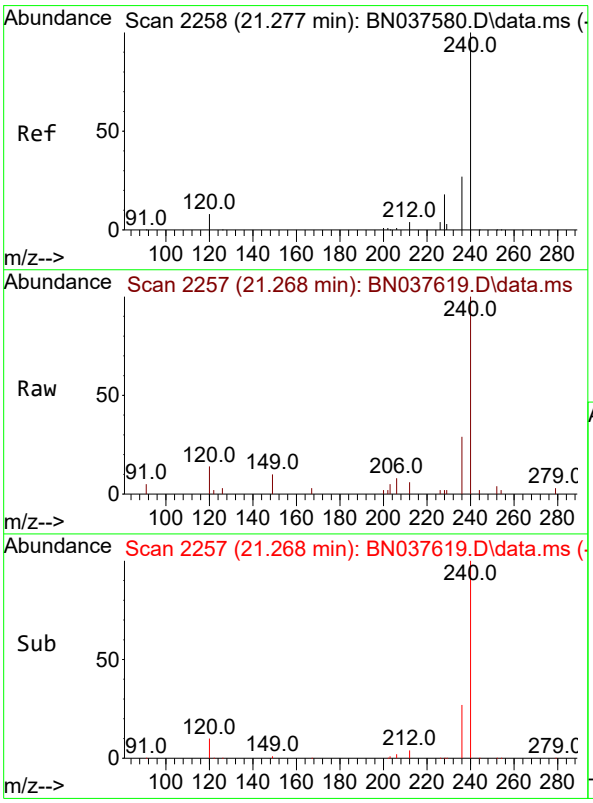
#27
Fluoranthene-d10
Concen: 0.331 ng
RT: 19.118 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion:212 Resp: 3886

Ion	Ratio	Lower	Upper
212	100		
106	14.4	11.5	17.3
104	9.3	6.6	9.8

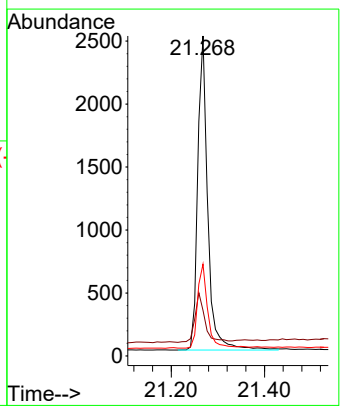


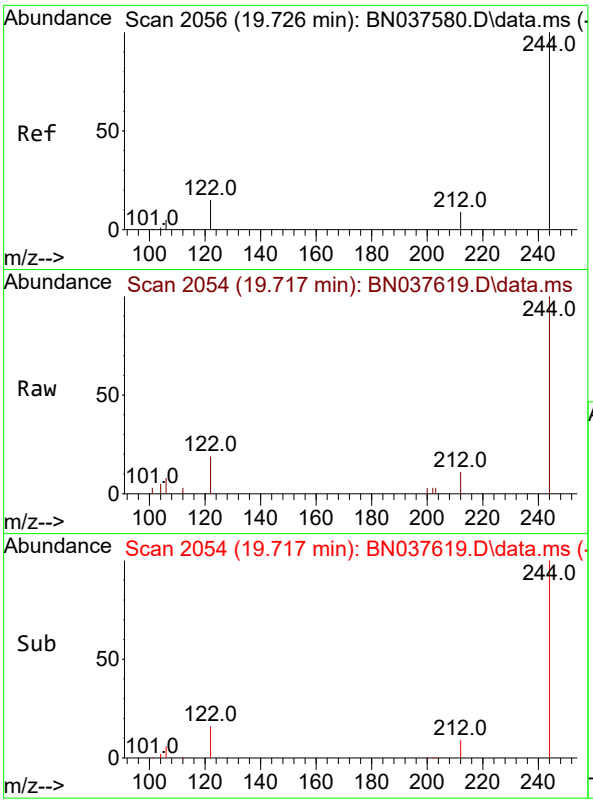


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:240 Resp: 3733

Ion	Ratio	Lower	Upper
240	100		
120	14.2	8.9	13.3#
236	28.7	22.6	33.8



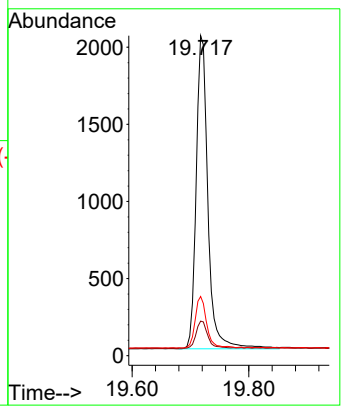


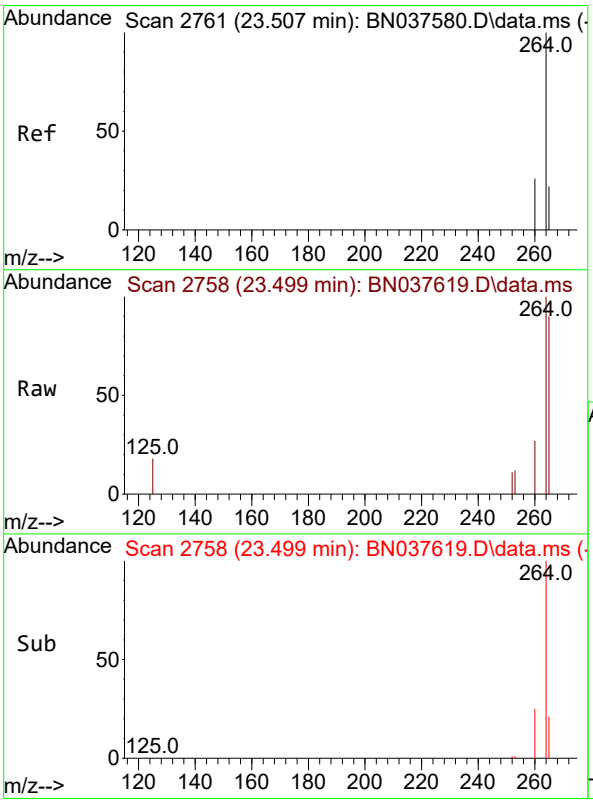
#31
Terphenyl-d14
Concen: 0.370 ng
RT: 19.717 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion:244 Resp: 2840

Ion	Ratio	Lower	Upper
244	100		
212	10.8	8.2	12.2
122	18.5	13.2	19.8

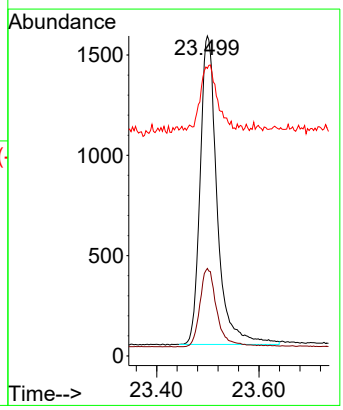




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.499 min Scan# 2758
Delta R.T. -0.008 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:264 Resp: 3552

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.6	32.4
265	89.8	48.2	72.4#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037630.D
Acq On : 20 Aug 2025 11:25
Operator : RC/JU
Sample : PB169286BS
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Quant Time: Aug 21 04:13:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

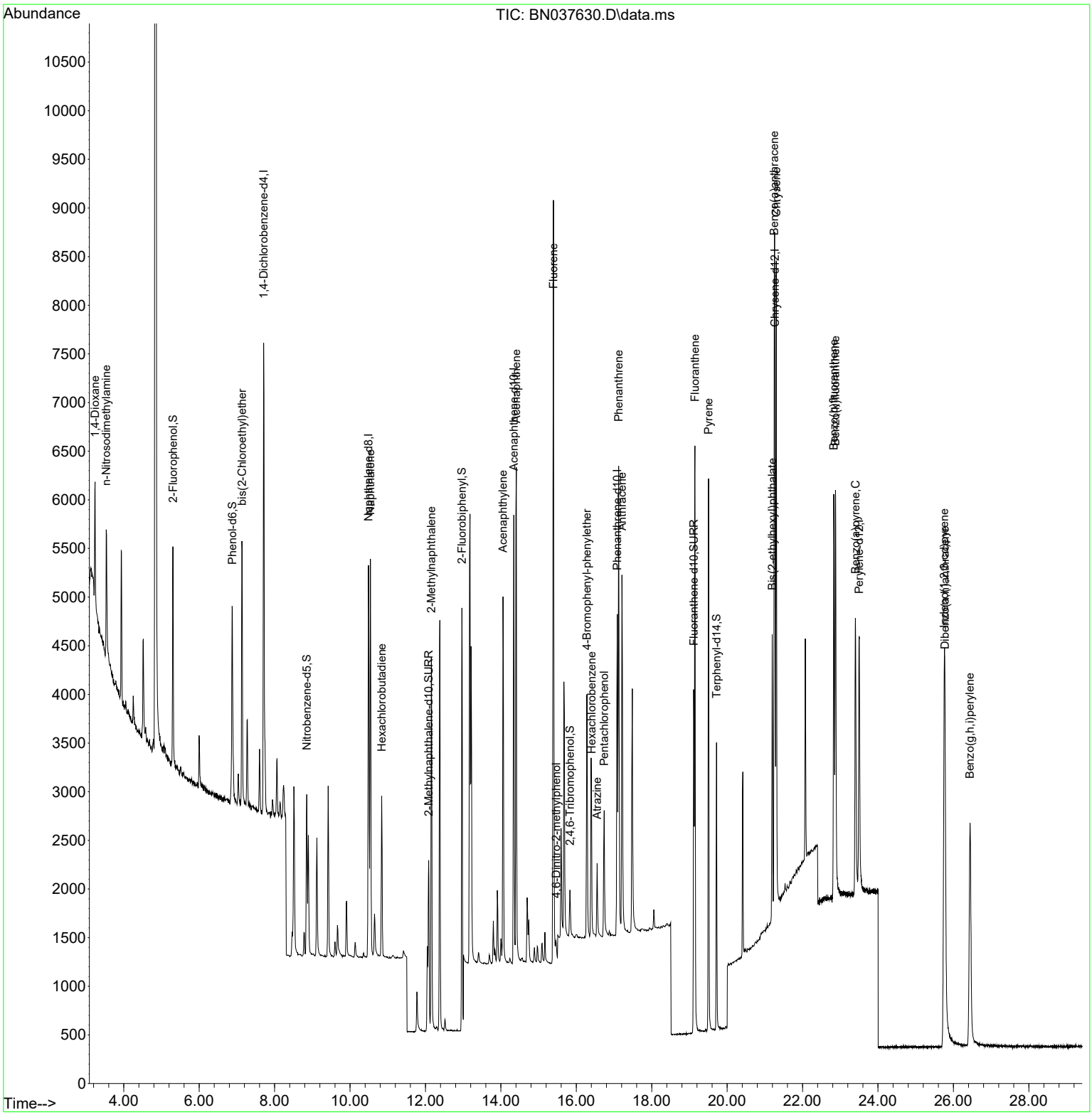
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2389	0.400	ng	0.00
7) Naphthalene-d8	10.487	136	5616	0.400	ng	-0.01
13) Acenaphthene-d10	14.345	164	2629	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5040	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4175	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	3780	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	1761	0.325	ng	0.00
5) Phenol-d6	6.879	99	1961	0.301	ng	0.00
8) Nitrobenzene-d5	8.854	82	1380	0.349	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	2508	0.329	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	342	0.297	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	5503	0.362	ng	-0.01
27) Fluoranthene-d10	19.113	212	4038	0.305	ng	0.00
31) Terphenyl-d14	19.717	244	3008	0.350	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	677	0.296	ng	# 78
3) n-Nitrosodimethylamine	3.535	42	966	0.331	ng	95
6) bis(2-Chloroethyl)ether	7.139	93	2041	0.347	ng	96
9) Naphthalene	10.541	128	5264	0.352	ng	99
10) Hexachlorobutadiene	10.840	225	1357	0.371	ng	# 99
12) 2-Methylnaphthalene	12.156	142	2891	0.308	ng	100
16) Acenaphthylene	14.056	152	4394	0.373	ng	100
17) Acenaphthene	14.409	154	2664	0.332	ng	99
18) Fluorene	15.392	166	3473	0.331	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	153	0.348	ng	# 79
21) 4-Bromophenyl-phenylether	16.280	248	1063	0.336	ng	# 82
22) Hexachlorobenzene	16.404	284	1644	0.366	ng	98
23) Atrazine	16.553	200	688	0.384	ng	95
24) Pentachlorophenol	16.739	266	719	0.456	ng	96
25) Phenanthrene	17.124	178	5179	0.338	ng	99
26) Anthracene	17.210	178	4635	0.342	ng	100
28) Fluoranthene	19.146	202	5464	0.310	ng	100
30) Pyrene	19.508	202	5332	0.342	ng	100
32) Benzo(a)anthracene	21.250	228	4944	0.355	ng	98
33) Chrysene	21.304	228	5598	0.360	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	1867	0.324	ng	100
36) Indeno(1,2,3-cd)pyrene	25.756	276	5812	0.365	ng	99
37) Benzo(b)fluoranthene	22.829	252	5325	0.372	ng	97
38) Benzo(k)fluoranthene	22.873	252	5420	0.335	ng	97
39) Benzo(a)pyrene	23.402	252	4490	0.378	ng	95
40) Dibenzo(a,h)anthracene	25.776	278	4445	0.360	ng	100
41) Benzo(g,h,i)perylene	26.440	276	5149	0.395	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037630.D
Acq On : 20 Aug 2025 11:25
Operator : RC/JU
Sample : PB169286BS
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Quant Time: Aug 21 04:13:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037605.D
Acq On : 19 Aug 2025 13:40
Operator : RC/JU
Sample : Q2842-04MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 01:25:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2023	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4765	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2380	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	4922	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4507	0.400	ng	# 0.00
35) Perylene-d12	23.505	264	3909	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	698	0.152	ng	0.00
5) Phenol-d6	6.879	99	508	0.092	ng	0.00
8) Nitrobenzene-d5	8.854	82	1111	0.331	ng	0.00
11) 2-Methylnaphthalene-d10	12.086	152	2001m	0.309	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	392	0.376	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	4453	0.324	ng	0.00
27) Fluoranthene-d10	19.118	212	4870	0.376	ng	0.00
31) Terphenyl-d14	19.722	244	4344	0.468	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	5476	2.829	ng	# 90
3) n-Nitrosodimethylamine	3.536	42	418	0.169	ng	# 90
6) bis(2-Chloroethyl)ether	7.139	93	1634	0.329	ng	98
9) Naphthalene	10.541	128	4254	0.335	ng	98
10) Hexachlorobutadiene	10.840	225	924	0.298	ng	# 99
12) 2-Methylnaphthalene	12.162	142	2421	0.304	ng	99
16) Acenaphthylene	14.067	152	3870	0.363	ng	100
17) Acenaphthene	14.409	154	2473	0.341	ng	96
18) Fluorene	15.393	166	3340	0.352	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	226	0.434	ng	88
21) 4-Bromophenyl-phenylether	16.280	248	1089	0.352	ng	# 75
22) Hexachlorobenzene	16.404	284	1490	0.340	ng	99
23) Atrazine	16.553	200	797	0.456	ng	95
24) Pentachlorophenol	16.739	266	1320	0.857	ng	99
25) Phenanthrene	17.124	178	6725	0.449	ng	100
26) Anthracene	17.211	178	5205	0.393	ng	100
28) Fluoranthene	19.146	202	7212	0.420	ng	100
30) Pyrene	19.508	202	6994	0.415	ng	100
32) Benzo(a)anthracene	21.259	228	6028	0.400	ng	99
33) Chrysene	21.304	228	6700	0.399	ng	99
34) Bis(2-ethylhexyl)phtha...	21.205	149	3417	0.550	ng	99
36) Indeno(1,2,3-cd)pyrene	25.759	276	6122	0.372	ng	99
37) Benzo(b)fluoranthene	22.832	252	6094	0.411	ng	99
38) Benzo(k)fluoranthene	22.876	252	6247	0.374	ng	98
39) Benzo(a)pyrene	23.405	252	5054	0.411	ng	99
40) Dibenzo(a,h)anthracene	25.779	278	4709	0.368	ng	99
41) Benzo(g,h,i)perylene	26.449	276	5269	0.391	ng	100

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

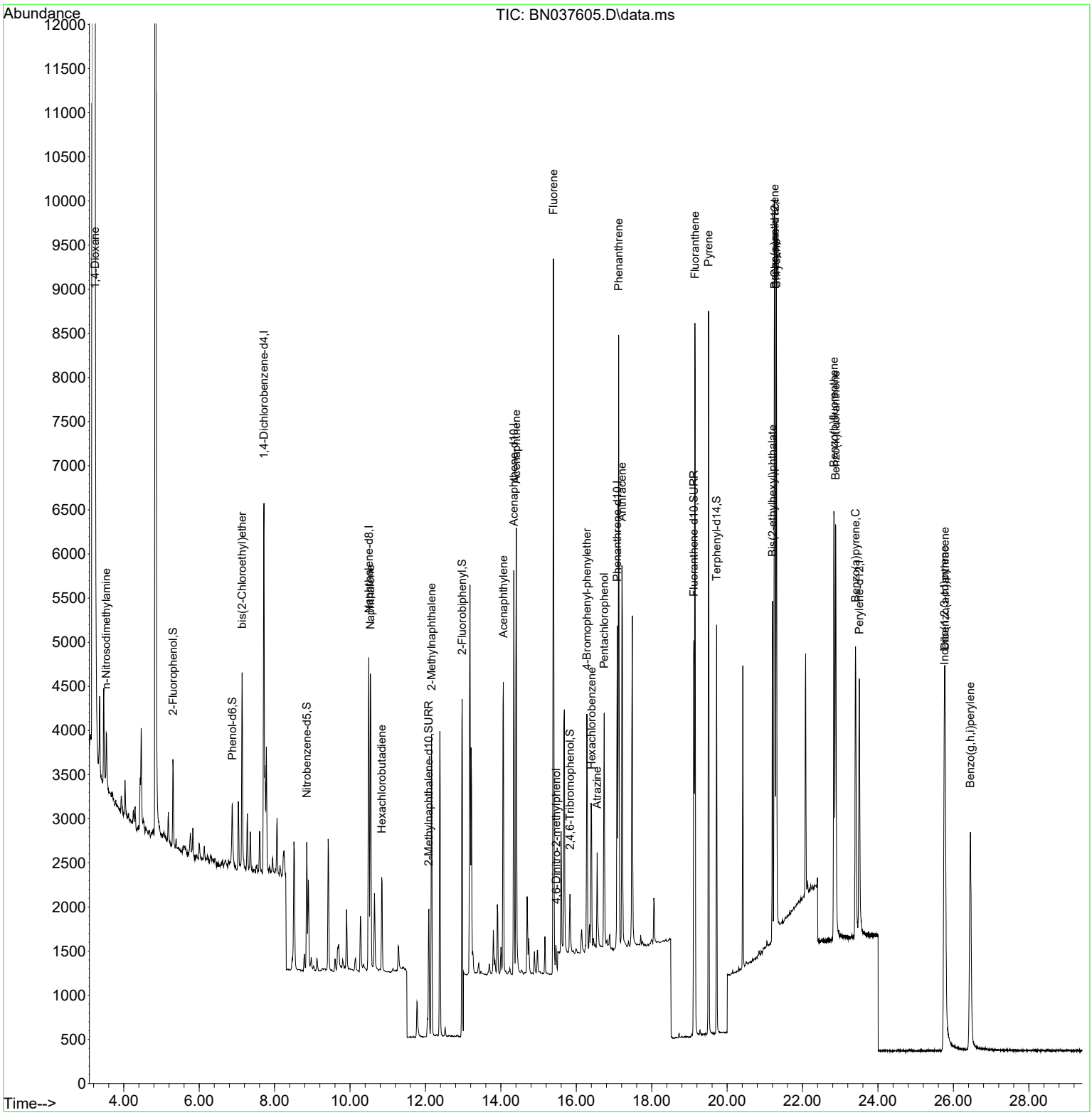
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037605.D
Acq On : 19 Aug 2025 13:40
Operator : RC/JU
Sample : Q2842-04MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 01:25:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037606.D
Acq On : 19 Aug 2025 14:17
Operator : RC/JU
Sample : Q2842-05MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 01:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2022	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4839	0.400	ng	0.00
13) Acenaphthene-d10	14.344	164	2406	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5009	0.400	ng	0.00
29) Chrysene-d12	21.267	240	4561	0.400	ng	# 0.00
35) Perylene-d12	23.504	264	3935	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.304	112	713	0.156	ng	0.00
5) Phenol-d6	6.879	99	499	0.090	ng	0.00
8) Nitrobenzene-d5	8.853	82	1080	0.317	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	1993m	0.303	ng	0.00
14) 2,4,6-Tribromophenol	15.832	330	401	0.381	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	4509	0.324	ng	0.00
27) Fluoranthene-d10	19.117	212	4894	0.371	ng	0.00
31) Terphenyl-d14	19.721	244	4395	0.468	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	5537	2.862	ng	# 92
3) n-Nitrosodimethylamine	3.535	42	412	0.167	ng	# 94
6) bis(2-Chloroethyl)ether	7.139	93	1634	0.329	ng	97
9) Naphthalene	10.540	128	4289	0.333	ng	98
10) Hexachlorobutadiene	10.850	225	911	0.289	ng	# 99
12) 2-Methylnaphthalene	12.161	142	2410	0.298	ng	100
16) Acenaphthylene	14.066	152	3852	0.357	ng	100
17) Acenaphthene	14.408	154	2466	0.336	ng	98
18) Fluorene	15.392	166	3360	0.350	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	237	0.441	ng	90
21) 4-Bromophenyl-phenylether	16.292	248	1112	0.353	ng	# 90
22) Hexachlorobenzene	16.403	284	1477	0.331	ng	98
23) Atrazine	16.552	200	799	0.449	ng	96
24) Pentachlorophenol	16.738	266	1294	0.826	ng	97
25) Phenanthrene	17.123	178	6750	0.443	ng	100
26) Anthracene	17.210	178	5136	0.381	ng	99
28) Fluoranthene	19.145	202	7312	0.418	ng	100
30) Pyrene	19.508	202	7072	0.415	ng	99
32) Benzo(a)anthracene	21.250	228	6132	0.402	ng	98
33) Chrysene	21.303	228	6692	0.394	ng	99
34) Bis(2-ethylhexyl)phtha...	21.205	149	3509	0.558	ng	99
36) Indeno(1,2,3-cd)pyrene	25.761	276	6228	0.376	ng	98
37) Benzo(b)fluoranthene	22.832	252	6261	0.420	ng	100
38) Benzo(k)fluoranthene	22.876	252	6279	0.373	ng	98
39) Benzo(a)pyrene	23.405	252	5127	0.415	ng	99
40) Dibenzo(a,h)anthracene	25.776	278	4745	0.369	ng	99
41) Benzo(g,h,i)perylene	26.445	276	5431	0.401	ng	99

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

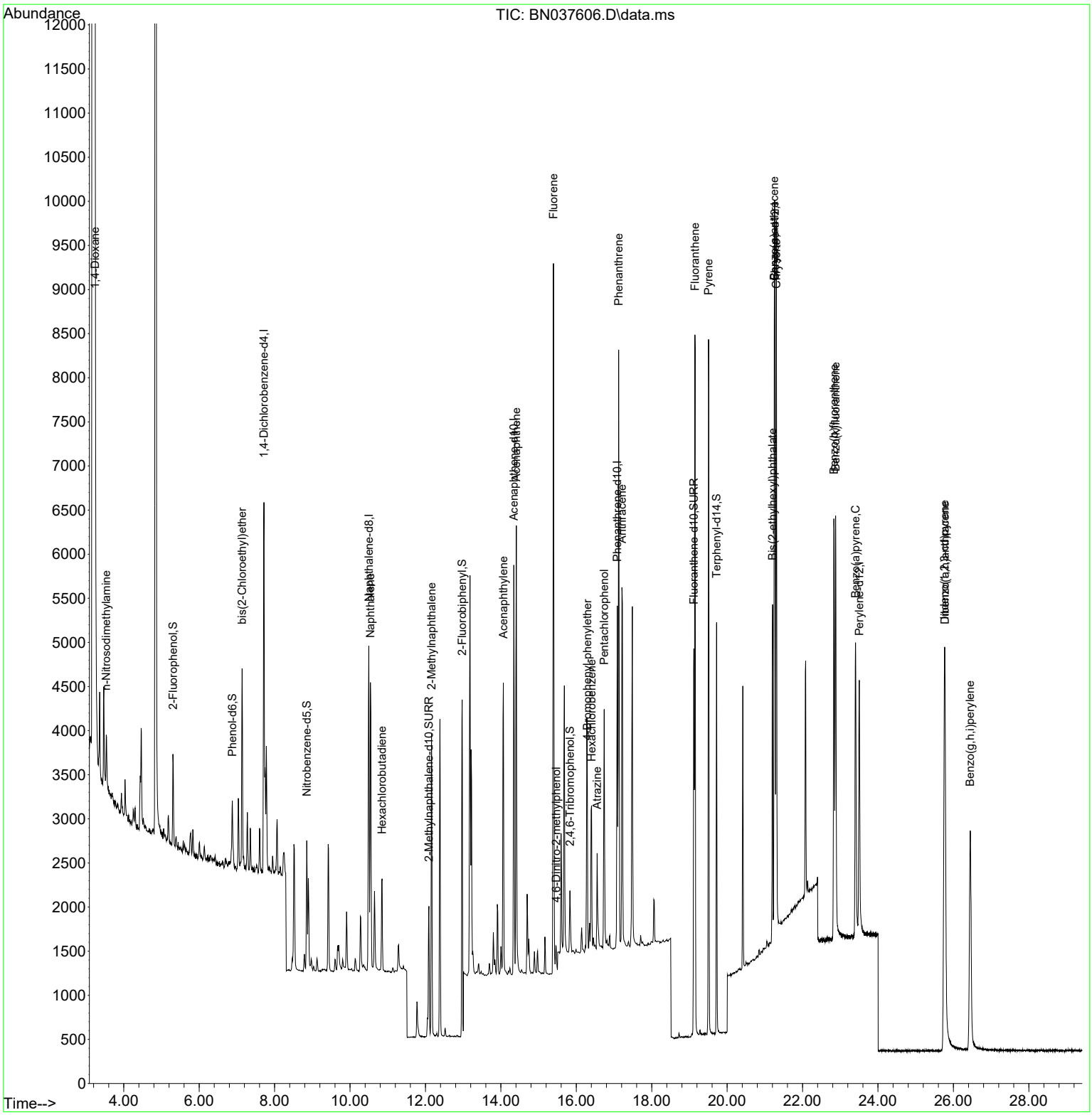
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037606.D
Acq On : 19 Aug 2025 14:17
Operator : RC/JU
Sample : Q2842-05MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 01:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-08122025MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



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

Manual Integration Report

Sequence:	BN081225	Instrument	BNA_n

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:	bn081925	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2842-04MS	BN037605.D	2-Methylnaphthalene-d10	Rahul	8/20/2025 8:37:55 AM	Jagrut	8/20/2025 2:31:08 PM	Peak Integrated by Software
Q2842-05MSD	BN037606.D	2-Methylnaphthalene-d10	Rahul	8/20/2025 8:37:59 AM	Jagrut	8/20/2025 2:31:11 PM	Peak Integrated by Software
Q2869-01	BN037608.D	Chrysene	Rahul	8/20/2025 8:38:02 AM	Jagrut	8/20/2025 2:31:13 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 # BN081225

Review By	Rahul	Review On	8/13/2025 11:25:23 AM		
Supervise By	Jagrut	Supervise On	8/13/2025 11:26:50 AM		
SubDirectory	BN081225	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037576.D	12 Aug 2025 15:05	RC/JU	Ok
2	SSTDCCC0.4	BN037577.D	12 Aug 2025 15:49	RC/JU	Not Ok
3	SSTDICC0.1	BN037578.D	12 Aug 2025 16:26	RC/JU	Ok
4	SSTDICC0.2	BN037579.D	12 Aug 2025 17:03	RC/JU	Ok
5	SSTDICCC0.4	BN037580.D	12 Aug 2025 17:39	RC/JU	Ok
6	SSTDICC0.8	BN037581.D	12 Aug 2025 18:16	RC/JU	Ok
7	SSTDICC1.6	BN037582.D	12 Aug 2025 18:52	RC/JU	Ok
8	SSTDICC3.2	BN037583.D	12 Aug 2025 19:29	RC/JU	Ok
9	SSTDICC5.0	BN037584.D	12 Aug 2025 20:05	RC/JU	Ok
10	SSTDICV0.4	BN037585.D	12 Aug 2025 20:42	RC/JU	Ok
11	PB169094BL	BN037586.D	12 Aug 2025 21:55	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 # BN081925

Review By	Rahul	Review On	8/21/2025 3:02:23 PM		
Supervise By	Jagrut	Supervise On	8/21/2025 5:56:51 PM		
SubDirectory	BN081925	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037599.D	19 Aug 2025 10:00	RC/JU	Ok
2	SSTDCCC0.4	BN037600.D	19 Aug 2025 10:39	RC/JU	Ok
3	PB169286BL	BN037601.D	19 Aug 2025 11:16	RC/JU	Not Ok
4	Q2842-01	BN037602.D	19 Aug 2025 11:52	RC/JU	Dilution
5	Q2842-02	BN037603.D	19 Aug 2025 12:28	RC/JU	Dilution
6	Q2842-03	BN037604.D	19 Aug 2025 13:04	RC/JU	Ok
7	Q2842-04MS	BN037605.D	19 Aug 2025 13:40	RC/JU	Ok,M
8	Q2842-05MSD	BN037606.D	19 Aug 2025 14:17	RC/JU	Ok,M
9	Q2842-06	BN037607.D	19 Aug 2025 14:53	RC/JU	Ok
10	Q2869-01	BN037608.D	19 Aug 2025 15:29	RC/JU	Dilution
11	Q2869-03	BN037609.D	19 Aug 2025 16:05	RC/JU	Ok
12	Q2869-04	BN037610.D	19 Aug 2025 16:42	RC/JU	Ok
13	Q2869-05	BN037611.D	19 Aug 2025 17:18	RC/JU	Ok
14	Q2869-07	BN037612.D	19 Aug 2025 17:54	RC/JU	Ok
15	Q2869-10	BN037613.D	19 Aug 2025 18:30	RC/JU	Ok
16	Q2878-01	BN037614.D	19 Aug 2025 19:07	RC/JU	Ok
17	Q2878-05	BN037615.D	19 Aug 2025 19:43	RC/JU	Dilution
18	SSTDCCC0.4	BN037616.D	19 Aug 2025 20:19	RC/JU	Ok
19	DFTPP	BN037617.D	20 Aug 2025 03:35	RC/JU	Ok
20	SSTDCCC0.4	BN037618.D	20 Aug 2025 04:14	RC/JU	Ok
21	PB169286BL	BN037619.D	20 Aug 2025 04:50	RC/JU	Ok

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 # BN081925

Review By	Rahul	Review On	8/21/2025 3:02:23 PM		
Supervise By	Jagrut	Supervise On	8/21/2025 5:56:51 PM		
SubDirectory	BN081925	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2842-01DL	BN037620.D	20 Aug 2025 05:27	RC/JU	Ok
23	Q2842-02DL	BN037621.D	20 Aug 2025 06:03	RC/JU	Ok
24	Q2869-01DL	BN037622.D	20 Aug 2025 06:38	RC/JU	Ok
25	Q2881-01	BN037623.D	20 Aug 2025 07:13	RC/JU	Ok
26	Q2881-02	BN037624.D	20 Aug 2025 07:49	RC/JU	Ok
27	Q2882-01	BN037625.D	20 Aug 2025 08:25	RC/JU	Ok
28	Q2882-02	BN037626.D	20 Aug 2025 09:00	RC/JU	Ok
29	Q2882-03	BN037627.D	20 Aug 2025 09:37	RC/JU	Ok
30	Q2882-04	BN037628.D	20 Aug 2025 10:13	RC/JU	Ok
31	Q2878-05DL	BN037629.D	20 Aug 2025 10:49	RC/JU	Ok
32	PB169286BS	BN037630.D	20 Aug 2025 11:25	RC/JU	Ok
33	SSTDCCC0.4	BN037631.D	20 Aug 2025 14:56	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 # BN081225

Review By	Rahul	Review On	8/13/2025 11:25:23 AM	
Supervise By	Jagrut	Supervise On	8/13/2025 11:26:50 AM	
SubDirectory	BN081225	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037576.D	12 Aug 2025 15:05		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037577.D	12 Aug 2025 15:49	A Fresh Calibration is required	RC/JU	Not Ok
3	SSTDICC0.1	SSTDICC0.1	BN037578.D	12 Aug 2025 16:26		RC/JU	Ok
4	SSTDICC0.2	SSTDICC0.2	BN037579.D	12 Aug 2025 17:03		RC/JU	Ok
5	SSTDICCC0.4	SSTDICCC0.4	BN037580.D	12 Aug 2025 17:39	Compound #20 kept on LR	RC/JU	Ok
6	SSTDICC0.8	SSTDICC0.8	BN037581.D	12 Aug 2025 18:16		RC/JU	Ok
7	SSTDICC1.6	SSTDICC1.6	BN037582.D	12 Aug 2025 18:52		RC/JU	Ok
8	SSTDICC3.2	SSTDICC3.2	BN037583.D	12 Aug 2025 19:29		RC/JU	Ok
9	SSTDICC5.0	SSTDICC5.0	BN037584.D	12 Aug 2025 20:05	Comp #20,23,24 removed from 5ppm	RC/JU	Ok
10	SSTDICV0.4	ICVBN081225	BN037585.D	12 Aug 2025 20:42		RC/JU	Ok
11	PB169094BL	PB169094BL	BN037586.D	12 Aug 2025 21:55		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 # BN081925

Review By	Rahul	Review On	8/21/2025 3:02:23 PM	
Supervise By	Jagrut	Supervise On	8/21/2025 5:56:51 PM	
SubDirectory	BN081925	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037599.D	19 Aug 2025 10:00		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037600.D	19 Aug 2025 10:39		RC/JU	Ok
3	PB169286BL	PB169286BL	BN037601.D	19 Aug 2025 11:16	Not Used	RC/JU	Not Ok
4	Q2842-01	RMW-03B-90.4-081220	BN037602.D	19 Aug 2025 11:52	Need 2X.	RC/JU	Dilution
5	Q2842-02	RMW-02B-66.3-081220	BN037603.D	19 Aug 2025 12:28	Need 10X.	RC/JU	Dilution
6	Q2842-03	MW-17B-55.5-0812202	BN037604.D	19 Aug 2025 13:04		RC/JU	Ok
7	Q2842-04MS	MW-17B-55.5-0812202	BN037605.D	19 Aug 2025 13:40	Recovery fail very high , need noncon.	RC/JU	Ok,M
8	Q2842-05MSD	MW-17B-55.5-0812202	BN037606.D	19 Aug 2025 14:17	Recovery fail very high , need noncon.	RC/JU	Ok,M
9	Q2842-06	MW-06-6.5-08122025	BN037607.D	19 Aug 2025 14:53		RC/JU	Ok
10	Q2869-01	MW-19B-71.5-081325	BN037608.D	19 Aug 2025 15:29	Need 2X.	RC/JU	Dilution
11	Q2869-03	MW-01-6.5-081325	BN037609.D	19 Aug 2025 16:05		RC/JU	Ok
12	Q2869-04	MW-11A-13.5-081325	BN037610.D	19 Aug 2025 16:42		RC/JU	Ok
13	Q2869-05	MW-19B-71.5-081325-I	BN037611.D	19 Aug 2025 17:18		RC/JU	Ok
14	Q2869-07	EB01-081325	BN037612.D	19 Aug 2025 17:54		RC/JU	Ok
15	Q2869-10	EB02-081325	BN037613.D	19 Aug 2025 18:30		RC/JU	Ok
16	Q2878-01	MW-18B-57.5-081325	BN037614.D	19 Aug 2025 19:07		RC/JU	Ok
17	Q2878-05	MW-11A-37.5-081425	BN037615.D	19 Aug 2025 19:43	Need 20X.	RC/JU	Dilution

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Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN081925

Review By	Rahul	Review On	8/21/2025 3:02:23 PM	
Supervise By	Jagrut	Supervise On	8/21/2025 5:56:51 PM	
SubDirectory	BN081925	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	SSTDCCC0.4	SSTDCCC0.4EC	BN037616.D	19 Aug 2025 20:19		RC/JU	Ok
19	DFTPP	DFTPP	BN037617.D	20 Aug 2025 03:35		RC/JU	Ok
20	SSTDCCC0.4	SSTDCCC0.4	BN037618.D	20 Aug 2025 04:14		RC/JU	Ok
21	PB169286BL	PB169286BL	BN037619.D	20 Aug 2025 04:50		RC/JU	Ok
22	Q2842-01DL	RMW-03B-90.4-081220	BN037620.D	20 Aug 2025 05:27		RC/JU	Ok
23	Q2842-02DL	RMW-02B-66.3-081220	BN037621.D	20 Aug 2025 06:03		RC/JU	Ok
24	Q2869-01DL	MW-19B-71.5-081325D	BN037622.D	20 Aug 2025 06:38		RC/JU	Ok
25	Q2881-01	RW8-SP100-20250814	BN037623.D	20 Aug 2025 07:13		RC/JU	Ok
26	Q2881-02	RW8-SP303-20250814	BN037624.D	20 Aug 2025 07:49		RC/JU	Ok
27	Q2882-01	RW7-SP100-20250814	BN037625.D	20 Aug 2025 08:25		RC/JU	Ok
28	Q2882-02	RW7-SP201-20250814	BN037626.D	20 Aug 2025 09:00		RC/JU	Ok
29	Q2882-03	RW7-SP302-20250814	BN037627.D	20 Aug 2025 09:37		RC/JU	Ok
30	Q2882-04	RW7-SP303-20250814	BN037628.D	20 Aug 2025 10:13		RC/JU	Ok
31	Q2878-05DL	MW-11A-37.5-081425D	BN037629.D	20 Aug 2025 10:49		RC/JU	Ok
32	PB169286BS	PB169286BS	BN037630.D	20 Aug 2025 11:25		RC/JU	Ok
33	SSTDCCC0.4	SSTDCCC0.4EC	BN037631.D	20 Aug 2025 14:56		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169286

SOP ID:	M3510C,3580A-Extraction SVOC-21				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/18/2025
Matrix :	Water			**Extraction Start Time :**	08:41
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	08/18/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	13:45
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3953	**Hood ID:**	4,5,6,7	**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	SP6855
Surrogate	1.0ML	0.4 PPM	SP6831
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3964
Baked Na2SO4	N/A	EP2632
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
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# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/18/25	RS (Ext lab)	RC/SVOC
13:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169286

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 08/18/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169286BL	SBLK286	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			SEP-1
PB169286BS	SLCS286	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			2
Q2842-01	RMW-03B-90.4-08122025	SVOC-SIMGroup1	910	6	RUPESH	ritesh	1	E		3
Q2842-02	RMW-02B-66.3-08122025	SVOC-SIMGroup1	970	6	RUPESH	ritesh	1	E		4
Q2842-03	MW-17B-55.5-08122025	SVOC-SIMGroup1	980	6	RUPESH	ritesh	1	H		5
Q2842-04	Q2842-03MS	SVOC-SIMGroup1	940	6	RUPESH	ritesh	1	H		6
Q2842-05	Q2842-03MSD	SVOC-SIMGroup1	960	6	RUPESH	ritesh	1	H		7
Q2842-06	MW-06-6.5-08122025	SVOC-SIMGroup1	970	6	RUPESH	ritesh	1	B		8
Q2869-01	MW-19B-71.5-081325	SVOC-SIMGroup1	930	6	RUPESH	ritesh	1	G		9
Q2869-03	MW-01-6.5-081325	SVOC-SIMGroup1	900	6	RUPESH	ritesh	1	C		10
Q2869-04	MW-11A-13.5-081325	SVOC-SIMGroup1	960	6	RUPESH	ritesh	1	C		11
Q2869-05	MW-19B-71.5-081325-FD	SVOC-SIMGroup1	960	6	RUPESH	ritesh	1	G		12
Q2869-07	EB01-081325	SVOC-SIMGroup1	940	6	RUPESH	ritesh	1	G		13
Q2869-10	EB02-081325	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1	C		14
Q2878-01	MW-18B-57.5-081325	SVOC-SIMGroup1	900	6	RUPESH	ritesh	1	C		15
Q2878-05	MW-11A-37.5-081425	SVOC-SIMGroup1	950	6	RUPESH	ritesh	1	C		16
Q2881-01	RW8-SP100-2025814	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1	D		SEP-1
Q2881-02	RW8-SP303-20250814	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1	D		2
Q2882-01	RW7-SP100-20250814	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			3
Q2882-02	RW7-SP201-20250814	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			4
Q2882-03	RW7-SP302-20250814	SVOC-SIMGroup1	910	6	RUPESH	ritesh	1			5
Q2882-04	RW7-SP303-20250814	SVOC-SIMGroup1	940	6	RUPESH	ritesh	1			6

RS 8/18

* **Extracts relinquished on the same date as received.**

Q2869 8/19/25 8:51

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2842 **WorkList ID :** 191325 **Department :** Extraction **Date :** 08-18-2025 08:35:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2842-01	RMW-03B-90.4-081225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-02	RMW-02B-66.3-081225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-03	MW-17B-55.5-081225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-04	Q2842-03MS	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-05	Q2842-03MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-06	MW-06-6.5-081225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2869-01	MW-19B-71.5-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-03	MW-01-6.5-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-04	MW-11A-13.5-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-05	MW-19B-71.5-081325-FD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-07	EB01-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-10	EB02-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2878-01	MW-18B-57.5-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	08/14/2025	8270-Modified
Q2878-05	MW-11A-37.5-081425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	08/14/2025	8270-Modified
Q2881-01	RW8-SP100-2025814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J32	08/14/2025	8270-Modified
Q2881-02	RW8-SP303-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J32	08/14/2025	8270-Modified
Q2882-01	RW7-SP100-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J31	08/14/2025	8270-Modified
Q2882-02	RW7-SP201-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J31	08/14/2025	8270-Modified
Q2882-03	RW7-SP302-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J31	08/14/2025	8270-Modified
Q2882-04	RW7-SP303-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J31	08/14/2025	8270-Modified

303 of 426

Date/Time 8/18/25 8:36
Raw Sample Received by: RS (Ext-Lab)
Raw Sample Relinquished by: SM

Date/Time 8/18/25 9:10
Raw Sample Received by: SM
Raw Sample Relinquished by: RS (Ext-Lab)

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LAB CHRONICLE

OrderID:	Q2869	**OrderDate:**	8/14/2025 9:15:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	J31,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2869-01	**MW-19B-71.5-081325**	**Water**			**08/13/25**			**08/13/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/19/25	
Q2869-01DL	**MW-19B-71.5-081325 DL**	**Water**			**08/13/25**			**08/13/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/20/25	
Q2869-03	**MW-01-6.5-081325**	**Water**			**08/13/25**			**08/13/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/19/25	
Q2869-04	**MW-11A-13.5-081325**	**Water**			**08/13/25**			**08/13/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/19/25	
Q2869-05	**MW-19B-71.5-081325 -FD**	**Water**			**08/13/25**			**08/13/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/19/25	
Q2869-07	**EB01-081325**	**Water**			**08/13/25**			**08/13/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/19/25	
Q2869-10	**EB02-081325**	**Water**			**08/13/25**			**08/13/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/19/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2869 **Order ID:** Q2869

Client: JACOBS Engineering Group, Inc. **Project ID:** Former Schlumberger STC PTC Site D386

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-19B-71.5-081325								
Q2869-01	MW-19B-71.5-081325	Water	Aluminum	2.81	J	1.94	20.0	ug/L
Q2869-01	MW-19B-71.5-081325	Water	Arsenic	1.75		0.089	1.00	ug/L
Q2869-01	MW-19B-71.5-081325	Water	Barium	188		0.21	10.0	ug/L
Q2869-01	MW-19B-71.5-081325	Water	Calcium	62500		45.7	500	ug/L
Q2869-01	MW-19B-71.5-081325	Water	Cobalt	1.73		0.070	1.00	ug/L
Q2869-01	MW-19B-71.5-081325	Water	Iron	21900		7.81	50.0	ug/L
Q2869-01	MW-19B-71.5-081325	Water	Lead	13.4		0.21	1.00	ug/L
Q2869-01	MW-19B-71.5-081325	Water	Magnesium	21300		19.5	500	ug/L
Q2869-01	MW-19B-71.5-081325	Water	Manganese	1200		0.43	1.00	ug/L
Q2869-01	MW-19B-71.5-081325	Water	Nickel	0.95	J	0.27	1.00	ug/L
Q2869-01	MW-19B-71.5-081325	Water	Potassium	9770		36.4	500	ug/L
Q2869-01	MW-19B-71.5-081325	Water	Selenium	8.82		2.90	5.00	ug/L
Q2869-01	MW-19B-71.5-081325	Water	Sodium	11600		128	500	ug/L
Q2869-01	MW-19B-71.5-081325	Water	Vanadium	0.080	J	0.077	5.00	ug/L
Client ID : MW-19B-71.5-081325								
Q2869-02	MW-19B-71.5-081325	Water	Iron	21300		7.81	50.0	ug/L
Client ID : MW-19B-71.5-081325-FD								
Q2869-05	MW-19B-71.5-081325-FD	Water	Aluminum	4.01	J	1.94	20.0	ug/L
Q2869-05	MW-19B-71.5-081325-FD	Water	Arsenic	0.45	J	0.089	1.00	ug/L
Q2869-05	MW-19B-71.5-081325-FD	Water	Barium	182		0.21	10.0	ug/L
Q2869-05	MW-19B-71.5-081325-FD	Water	Calcium	66300		45.7	500	ug/L
Q2869-05	MW-19B-71.5-081325-FD	Water	Chromium	0.43	J	0.21	2.00	ug/L
Q2869-05	MW-19B-71.5-081325-FD	Water	Cobalt	1.85		0.070	1.00	ug/L
Q2869-05	MW-19B-71.5-081325-FD	Water	Iron	23100		7.81	50.0	ug/L
Q2869-05	MW-19B-71.5-081325-FD	Water	Magnesium	22200		19.5	500	ug/L
Q2869-05	MW-19B-71.5-081325-FD	Water	Manganese	1250		0.43	1.00	ug/L
Q2869-05	MW-19B-71.5-081325-FD	Water	Nickel	0.64	J	0.27	1.00	ug/L
Q2869-05	MW-19B-71.5-081325-FD	Water	Mercury	0.11	J	0.076	0.20	ug/L
Q2869-05	MW-19B-71.5-081325-FD	Water	Potassium	9950		36.4	500	ug/L
Q2869-05	MW-19B-71.5-081325-FD	Water	Sodium	12000		128	500	ug/L
Q2869-05	MW-19B-71.5-081325-FD	Water	Vanadium	0.090	J	0.077	5.00	ug/L
Client ID : MW-19B-71.5-081325-FD								
Q2869-06	MW-19B-71.5-081325-FD	Water	Iron	22000		7.81	50.0	ug/L
Client ID : EB01-081325								
Q2869-07	EB01-081325	Water	Iron	25.5	J	7.81	50.0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2869 **Order ID:** Q2869

Client: JACOBS Engineering Group, Inc. **Project ID:** Former Schlumberger STC PTC Site D386

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2869-07	EB01-081325	Water	Manganese	16.0		0.43	1.00	ug/L
Q2869-07	EB01-081325	Water	Potassium	188	J	36.4	500	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2.81	J	1	1.94	20.0	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-36-0	Antimony	0.11	U	1	0.11	2.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-38-2	Arsenic	1.75		1	0.089	1.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-39-3	Barium	188		1	0.21	10.0	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-70-2	Calcium	62500		1	45.7	500	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-47-3	Chromium	0.21	U	1	0.21	2.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-48-4	Cobalt	1.73		1	0.070	1.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-50-8	Copper	0.30	U	1	0.30	2.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7439-89-6	Iron	21900		1	7.81	50.0	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7439-92-1	Lead	13.4		1	0.21	1.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7439-95-4	Magnesium	21300		1	19.5	500	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7439-96-5	Manganese	1200		1	0.43	1.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	08/20/25 13:50	08/21/25 09:22	7470A	
7440-02-0	Nickel	0.95	J	1	0.27	1.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-09-7	Potassium	9770		1	36.4	500	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7782-49-2	Selenium	8.82		1	2.90	5.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-22-4	Silver	0.060	UN	1	0.060	1.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-23-5	Sodium	11600		1	128	500	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-28-0	Thallium	0.060	U	1	0.060	1.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-62-2	Vanadium	0.080	J	1	0.077	5.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A
7440-66-6	Zinc	1.25	U	1	1.25	5.00	ug/L	08/14/25 14:10	08/15/25 15:52	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
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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
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	21300		1	7.81	50.0	ug/L	08/14/25 14:10	08/15/25 15:55	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	

Comments: Dissolved Metals Group3

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325-FD	SDG No.:	Q2869
Lab Sample ID:	Q2869-05	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4.01	J	1	1.94	20.0	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-36-0	Antimony	0.11	U	1	0.11	2.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-38-2	Arsenic	0.45	J	1	0.089	1.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-39-3	Barium	182		1	0.21	10.0	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-70-2	Calcium	66300		1	45.7	500	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-47-3	Chromium	0.43	J	1	0.21	2.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-48-4	Cobalt	1.85		1	0.070	1.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-50-8	Copper	0.30	U	1	0.30	2.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7439-89-6	Iron	23100		1	7.81	50.0	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7439-92-1	Lead	0.21	U	1	0.21	1.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7439-95-4	Magnesium	22200		1	19.5	500	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7439-96-5	Manganese	1250		1	0.43	1.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7439-97-6	Mercury	0.11	J	1	0.076	0.20	ug/L	08/20/25 13:50	08/21/25 09:33	7470A	
7440-02-0	Nickel	0.64	J	1	0.27	1.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-09-7	Potassium	9950		1	36.4	500	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-22-4	Silver	0.060	UN	1	0.060	1.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-23-5	Sodium	12000		1	128	500	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-28-0	Thallium	0.060	U	1	0.060	1.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-62-2	Vanadium	0.090	J	1	0.077	5.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A
7440-66-6	Zinc	1.25	U	1	1.25	5.00	ug/L	08/14/25 14:10	08/15/25 16:13	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

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OR = Over Range
N =Spiked sample recovery not within control limits

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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325-FD	SDG No.:	Q2869
Lab Sample ID:	Q2869-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	22000		1	7.81	50.0	ug/L	08/14/25 14:10	08/15/25 16:16	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Dissolved Metals Group3				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
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N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	EB01-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-07	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1.94	U	1	1.94	20.0	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-36-0	Antimony	0.11	U	1	0.11	2.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-38-2	Arsenic	0.089	U	1	0.089	1.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-39-3	Barium	0.21	U	1	0.21	10.0	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-70-2	Calcium	45.7	U	1	45.7	500	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-47-3	Chromium	0.21	U	1	0.21	2.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-48-4	Cobalt	0.070	U	1	0.070	1.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-50-8	Copper	0.30	U	1	0.30	2.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7439-89-6	Iron	25.5	J	1	7.81	50.0	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7439-92-1	Lead	0.21	U	1	0.21	1.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7439-95-4	Magnesium	19.5	U	1	19.5	500	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7439-96-5	Manganese	16.0		1	0.43	1.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	08/20/25 13:50	08/21/25 09:40	7470A	
7440-02-0	Nickel	0.27	U	1	0.27	1.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-09-7	Potassium	188	J	1	36.4	500	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-22-4	Silver	0.060	UN	1	0.060	1.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-23-5	Sodium	128	U	1	128	500	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-28-0	Thallium	0.060	U	1	0.060	1.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-62-2	Vanadium	0.077	U	1	0.077	5.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A
7440-66-6	Zinc	1.25	U	1	1.25	5.00	ug/L	08/14/25 14:10	08/15/25 16:19	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

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N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	EB01-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-08	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	7.81	U	1	7.81	50.0	ug/L	08/14/25 14:10	08/15/25 16:23	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	

Comments: Dissolved Metals Group3

U = Not Detected
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB27	Mercury	0.076	+/-0.2	U	0.20	CV	08/21/2025	09:01	LB136901

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB84	Mercury	0.076	+/-0.2	U	0.20	CV	08/21/2025	09:05	LB136901
CCB85	Mercury	0.076	+/-0.2	U	0.20	CV	08/21/2025	09:38	LB136901
CCB86	Mercury	0.076	+/-0.2	U	0.20	CV	08/21/2025	10:14	LB136901

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	13:43	LB136861
	Antimony	0.11	+/-1	U	2.00	P	08/15/2025	13:43	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	13:43	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	13:43	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	13:43	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	13:43	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	13:43	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	13:43	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	13:43	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	13:43	LB136861
	Silver	0.060	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	13:43	LB136861
	Thallium	0.060	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	13:43	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	13:43	LB136861

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	13:56	LB136861
	Antimony	0.11	+/-1	J	2.00	P	08/15/2025	13:56	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	13:56	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	13:56	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	13:56	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	13:56	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	13:56	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	13:56	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	13:56	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	13:56	LB136861
	Silver	0.060	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	13:56	LB136861
	Thallium	0.070	+/-0.5	J	1.00	P	08/15/2025	13:56	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	13:56	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	13:56	LB136861
CCB02	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	14:44	LB136861
	Antimony	0.13	+/-1	J	2.00	P	08/15/2025	14:44	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	14:44	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	14:44	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	14:44	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	14:44	LB136861
	Iron	9.88	+/-25	J	50.0	P	08/15/2025	14:44	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	14:44	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	14:44	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	14:44	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.060	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	14:44	LB136861
	Thallium	0.10	+/-0.5	J	1.00	P	08/15/2025	14:44	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	14:44	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	14:44	LB136861
CCB03	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	15:24	LB136861
	Antimony	0.14	+/-1	J	2.00	P	08/15/2025	15:24	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	15:24	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	15:24	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	15:24	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	15:24	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	15:24	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	15:24	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	15:24	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	15:24	LB136861
	Silver	0.060	+/-0.5	J	1.00	P	08/15/2025	15:24	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	15:24	LB136861
	Thallium	0.090	+/-0.5	J	1.00	P	08/15/2025	15:24	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	15:24	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	15:24	LB136861
CCB04	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	16:10	LB136861
	Antimony	0.13	+/-1	J	2.00	P	08/15/2025	16:10	LB136861
	Arsenic	0.20	+/-0.5	J	1.00	P	08/15/2025	16:10	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	16:10	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	16:10	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	16:10	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	16:10	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	16:10	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	19.5	+/-250	U	500	P	08/15/2025	16:10	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	16:10	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	16:10	LB136861
	Silver	0.060	+/-0.5	J	1.00	P	08/15/2025	16:10	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	16:10	LB136861
	Thallium	0.060	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	16:10	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	16:10	LB136861
CCB05	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	16:50	LB136861
	Antimony	0.11	+/-1	U	2.00	P	08/15/2025	16:50	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	16:50	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	16:50	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	16:50	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	16:50	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	16:50	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	16:50	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	16:50	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	16:50	LB136861
	Silver	0.060	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	16:50	LB136861
	Thallium	0.060	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	16:50	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	16:50	LB136861

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	12:29	LB136916
	Antimony	0.11	+/-1	U	2.00	P	08/21/2025	12:29	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	12:29	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	12:29	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	12:29	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	12:29	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	12:29	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	12:29	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	12:29	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	12:44	LB136916
	Antimony	0.11	+/-1	U	2.00	P	08/21/2025	12:44	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	12:44	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	12:44	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	12:44	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	12:44	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	12:44	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	12:44	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	12:44	LB136916
CCB02	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	13:43	LB136916
	Antimony	0.15	+/-1	J	2.00	P	08/21/2025	13:43	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	13:43	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	13:43	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	13:43	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	13:43	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	13:43	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	13:43	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	13:43	LB136916
CCB03	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	14:34	LB136916
	Antimony	0.15	+/-1	J	2.00	P	08/21/2025	14:34	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	14:34	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	14:34	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	14:34	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	14:34	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	14:34	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	14:34	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	14:34	LB136916
CCB04	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	15:18	LB136916
	Antimony	0.11	+/-1	U	2.00	P	08/21/2025	15:18	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	15:18	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	15:18	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	15:18	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	15:18	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	19.5	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	15:18	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	15:18	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	15:18	LB136916

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PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169327BL		**WATER**		**Batch Number:**	**PB169327**		**Prep Date:**	**08/20/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	08/21/2025	09:14	LB136901

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PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169250BL		**WATER**		**Batch Number:**	**PB169250**		**Prep Date:**	**08/14/2025**	
	Aluminum	1.94	<10	U	20.0	P	08/21/2025	13:46	LB136916
	Antimony	0.11	<1	U	2.00	P	08/21/2025	13:46	LB136916
	Arsenic	0.089	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Barium	0.21	<5	U	10.0	P	08/21/2025	13:46	LB136916
	Beryllium	0.32	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Cadmium	0.34	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Calcium	45.7	<250	U	500	P	08/21/2025	13:46	LB136916
	Chromium	0.21	<1	U	2.00	P	08/21/2025	13:46	LB136916
	Cobalt	0.070	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Copper	0.30	<1	U	2.00	P	08/21/2025	13:46	LB136916
	Iron	7.81	<25	U	50.0	P	08/21/2025	13:46	LB136916
	Lead	0.21	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Magnesium	19.5	<250	U	500	P	08/21/2025	13:46	LB136916
	Manganese	0.43	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Nickel	0.27	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Potassium	36.4	<250	U	500	P	08/21/2025	13:46	LB136916
	Selenium	2.90	<2.5	U	5.00	P	08/21/2025	13:46	LB136916
	Silver	0.060	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Sodium	128	<250	U	500	P	08/21/2025	13:46	LB136916
	Thallium	0.060	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Vanadium	0.077	<2.5	U	5.00	P	08/21/2025	13:46	LB136916
	Zinc	1.25	<2.5	U	5.00	P	08/21/2025	13:46	LB136916

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2869

Contract: JACO05

Lab Code: ACE

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
ICV27	Mercury	3.72	4.0	93	90 - 110	CV	08/21/2025	08:59	LB136901

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2869

Contract: JACO05

Lab Code: ACE

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
CCV84	Mercury	4.93	5.0	99	90 - 110	CV	08/21/2025	09:03	LB136901
CCV85	Mercury	4.84	5.0	97	90 - 110	CV	08/21/2025	09:36	LB136901
CCV86	Mercury	5.00	5.0	100	90 - 110	CV	08/21/2025	10:12	LB136901

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

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
ICV01	Aluminum	1500	1600	94	90 - 110	P	08/15/2025	13:22	LB136861
	Antimony	401	400	100	90 - 110	P	08/15/2025	13:22	LB136861
	Arsenic	386	400	97	90 - 110	P	08/15/2025	13:22	LB136861
	Barium	1610	1600	100	90 - 110	P	08/15/2025	13:22	LB136861
	Beryllium	39.0	40.0	98	90 - 110	P	08/15/2025	13:22	LB136861
	Cadmium	203	200	101	90 - 110	P	08/15/2025	13:22	LB136861
	Calcium	4130	4000	103	90 - 110	P	08/15/2025	13:22	LB136861
	Chromium	157	160	98	90 - 110	P	08/15/2025	13:22	LB136861
	Cobalt	394	400	98	90 - 110	P	08/15/2025	13:22	LB136861
	Copper	183	200	91	90 - 110	P	08/15/2025	13:22	LB136861
	Iron	853	800	107	90 - 110	P	08/15/2025	13:22	LB136861
	Lead	369	400	92	90 - 110	P	08/15/2025	13:22	LB136861
	Magnesium	3620	4000	90	90 - 110	P	08/15/2025	13:22	LB136861
	Manganese	364	400	91	90 - 110	P	08/15/2025	13:22	LB136861
	Nickel	398	400	100	90 - 110	P	08/15/2025	13:22	LB136861
	Potassium	3990	4000	100	90 - 110	P	08/15/2025	13:22	LB136861
	Selenium	398	400	99	90 - 110	P	08/15/2025	13:22	LB136861
	Silver	203	200	102	90 - 110	P	08/15/2025	13:22	LB136861
	Sodium	4040	4000	101	90 - 110	P	08/15/2025	13:22	LB136861
	Thallium	371	400	93	90 - 110	P	08/15/2025	13:22	LB136861
	Vanadium	387	400	97	90 - 110	P	08/15/2025	13:22	LB136861
	Zinc	366	400	91	90 - 110	P	08/15/2025	13:22	LB136861

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

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
LLICV01	Aluminum	19.4	20.0	97	80 - 120	P	08/15/2025	13:40	LB136861
	Antimony	2.12	2.0	106	80 - 120	P	08/15/2025	13:40	LB136861
	Arsenic	1.01	1.0	101	80 - 120	P	08/15/2025	13:40	LB136861
	Barium	10.0	10.0	100	80 - 120	P	08/15/2025	13:40	LB136861
	Beryllium	1.09	1.0	109	80 - 120	P	08/15/2025	13:40	LB136861
	Cadmium	0.96	1.0	96	80 - 120	P	08/15/2025	13:40	LB136861
	Calcium	554	500	111	80 - 120	P	08/15/2025	13:40	LB136861
	Chromium	1.98	2.0	99	80 - 120	P	08/15/2025	13:40	LB136861
	Cobalt	1.05	1.0	105	80 - 120	P	08/15/2025	13:40	LB136861
	Copper	1.95	2.0	98	80 - 120	P	08/15/2025	13:40	LB136861
	Iron	56.3	50.0	113	80 - 120	P	08/15/2025	13:40	LB136861
	Lead	0.84	1.0	84	80 - 120	P	08/15/2025	13:40	LB136861
	Magnesium	499	500	100	80 - 120	P	08/15/2025	13:40	LB136861
	Manganese	1.04	1.0	104	80 - 120	P	08/15/2025	13:40	LB136861
	Nickel	0.99	1.0	99	80 - 120	P	08/15/2025	13:40	LB136861
	Potassium	550	500	110	80 - 120	P	08/15/2025	13:40	LB136861
	Selenium	4.94	5.0	99	80 - 120	P	08/15/2025	13:40	LB136861
	Silver	1.13	1.0	113	80 - 120	P	08/15/2025	13:40	LB136861
	Sodium	521	500	104	80 - 120	P	08/15/2025	13:40	LB136861
	Thallium	1.02	1.0	102	80 - 120	P	08/15/2025	13:40	LB136861
	Vanadium	5.03	5.0	101	80 - 120	P	08/15/2025	13:40	LB136861
	Zinc	4.27	5.0	85	80 - 120	P	08/15/2025	13:40	LB136861

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

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
CCV01	Aluminum	47100	50000	94	90 - 110	P	08/15/2025	13:53	LB136861
	Antimony	490	500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Arsenic	474	500	95	90 - 110	P	08/15/2025	13:53	LB136861
	Barium	2460	2500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Beryllium	511	500	102	90 - 110	P	08/15/2025	13:53	LB136861
	Cadmium	479	500	96	90 - 110	P	08/15/2025	13:53	LB136861
	Calcium	250000	250000	100	90 - 110	P	08/15/2025	13:53	LB136861
	Chromium	489	500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Cobalt	482	500	96	90 - 110	P	08/15/2025	13:53	LB136861
	Copper	4770	5000	95	90 - 110	P	08/15/2025	13:53	LB136861
	Iron	127000	125000	102	90 - 110	P	08/15/2025	13:53	LB136861
	Lead	2460	2500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Magnesium	239000	250000	96	90 - 110	P	08/15/2025	13:53	LB136861
	Manganese	4890	5000	98	90 - 110	P	08/15/2025	13:53	LB136861
	Nickel	479	500	96	90 - 110	P	08/15/2025	13:53	LB136861
	Potassium	124000	125000	99	90 - 110	P	08/15/2025	13:53	LB136861
	Selenium	466	500	93	90 - 110	P	08/15/2025	13:53	LB136861
	Silver	485	500	97	90 - 110	P	08/15/2025	13:53	LB136861
	Sodium	244000	250000	98	90 - 110	P	08/15/2025	13:53	LB136861
	Thallium	503	500	101	90 - 110	P	08/15/2025	13:53	LB136861
	Vanadium	490	500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Zinc	4670	5000	94	90 - 110	P	08/15/2025	13:53	LB136861
CCV02	Aluminum	47800	50000	96	90 - 110	P	08/15/2025	14:41	LB136861
	Antimony	496	500	99	90 - 110	P	08/15/2025	14:41	LB136861
	Arsenic	484	500	97	90 - 110	P	08/15/2025	14:41	LB136861
	Barium	2520	2500	101	90 - 110	P	08/15/2025	14:41	LB136861
	Beryllium	510	500	102	90 - 110	P	08/15/2025	14:41	LB136861
	Cadmium	492	500	98	90 - 110	P	08/15/2025	14:41	LB136861
	Calcium	253000	250000	101	90 - 110	P	08/15/2025	14:41	LB136861
	Chromium	498	500	100	90 - 110	P	08/15/2025	14:41	LB136861
	Cobalt	497	500	99	90 - 110	P	08/15/2025	14:41	LB136861
	Copper	4960	5000	99	90 - 110	P	08/15/2025	14:41	LB136861
	Iron	130000	125000	104	90 - 110	P	08/15/2025	14:41	LB136861
	Lead	2480	2500	99	90 - 110	P	08/15/2025	14:41	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

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
CCV02	Magnesium	244000	250000	98	90 - 110	P	08/15/2025	14:41	LB136861
	Manganese	5000	5000	100	90 - 110	P	08/15/2025	14:41	LB136861
	Nickel	487	500	97	90 - 110	P	08/15/2025	14:41	LB136861
	Potassium	128000	125000	102	90 - 110	P	08/15/2025	14:41	LB136861
	Selenium	475	500	95	90 - 110	P	08/15/2025	14:41	LB136861
	Silver	502	500	100	90 - 110	P	08/15/2025	14:41	LB136861
	Sodium	249000	250000	100	90 - 110	P	08/15/2025	14:41	LB136861
	Thallium	512	500	102	90 - 110	P	08/15/2025	14:41	LB136861
	Vanadium	501	500	100	90 - 110	P	08/15/2025	14:41	LB136861
	Zinc	4830	5000	97	90 - 110	P	08/15/2025	14:41	LB136861
CCV03	Aluminum	48700	50000	98	90 - 110	P	08/15/2025	15:21	LB136861
	Antimony	503	500	101	90 - 110	P	08/15/2025	15:21	LB136861
	Arsenic	480	500	96	90 - 110	P	08/15/2025	15:21	LB136861
	Barium	2500	2500	100	90 - 110	P	08/15/2025	15:21	LB136861
	Beryllium	510	500	102	90 - 110	P	08/15/2025	15:21	LB136861
	Cadmium	494	500	99	90 - 110	P	08/15/2025	15:21	LB136861
	Calcium	253000	250000	101	90 - 110	P	08/15/2025	15:21	LB136861
	Chromium	495	500	99	90 - 110	P	08/15/2025	15:21	LB136861
	Cobalt	491	500	98	90 - 110	P	08/15/2025	15:21	LB136861
	Copper	4890	5000	98	90 - 110	P	08/15/2025	15:21	LB136861
	Iron	127000	125000	102	90 - 110	P	08/15/2025	15:21	LB136861
	Lead	2500	2500	100	90 - 110	P	08/15/2025	15:21	LB136861
	Magnesium	243000	250000	97	90 - 110	P	08/15/2025	15:21	LB136861
	Manganese	4930	5000	99	90 - 110	P	08/15/2025	15:21	LB136861
	Nickel	480	500	96	90 - 110	P	08/15/2025	15:21	LB136861
	Potassium	128000	125000	103	90 - 110	P	08/15/2025	15:21	LB136861
	Selenium	472	500	94	90 - 110	P	08/15/2025	15:21	LB136861
	Silver	508	500	102	90 - 110	P	08/15/2025	15:21	LB136861
	Sodium	246000	250000	98	90 - 110	P	08/15/2025	15:21	LB136861
	Thallium	511	500	102	90 - 110	P	08/15/2025	15:21	LB136861
	Vanadium	498	500	100	90 - 110	P	08/15/2025	15:21	LB136861
	Zinc	4780	5000	96	90 - 110	P	08/15/2025	15:21	LB136861
CCV04	Aluminum	47600	50000	95	90 - 110	P	08/15/2025	15:58	LB136861
	Antimony	494	500	99	90 - 110	P	08/15/2025	15:58	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

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
CCV04	Arsenic	475	500	95	90 - 110	P	08/15/2025	15:58	LB136861
	Barium	2470	2500	99	90 - 110	P	08/15/2025	15:58	LB136861
	Beryllium	505	500	101	90 - 110	P	08/15/2025	15:58	LB136861
	Cadmium	481	500	96	90 - 110	P	08/15/2025	15:58	LB136861
	Calcium	252000	250000	101	90 - 110	P	08/15/2025	15:58	LB136861
	Chromium	483	500	97	90 - 110	P	08/15/2025	15:58	LB136861
	Cobalt	482	500	96	90 - 110	P	08/15/2025	15:58	LB136861
	Copper	4690	5000	94	90 - 110	P	08/15/2025	15:58	LB136861
	Iron	126000	125000	101	90 - 110	P	08/15/2025	15:58	LB136861
	Lead	2430	2500	97	90 - 110	P	08/15/2025	15:58	LB136861
	Magnesium	240000	250000	96	90 - 110	P	08/15/2025	15:58	LB136861
	Manganese	4850	5000	97	90 - 110	P	08/15/2025	15:58	LB136861
	Nickel	470	500	94	90 - 110	P	08/15/2025	15:58	LB136861
	Potassium	124000	125000	99	90 - 110	P	08/15/2025	15:58	LB136861
	Selenium	477	500	95	90 - 110	P	08/15/2025	15:58	LB136861
	Silver	493	500	99	90 - 110	P	08/15/2025	15:58	LB136861
	Sodium	244000	250000	98	90 - 110	P	08/15/2025	15:58	LB136861
	Thallium	496	500	99	90 - 110	P	08/15/2025	15:58	LB136861
	Vanadium	480	500	96	90 - 110	P	08/15/2025	15:58	LB136861
	Zinc	4710	5000	94	90 - 110	P	08/15/2025	15:58	LB136861
CCV05	Aluminum	47800	50000	96	90 - 110	P	08/15/2025	16:39	LB136861
	Antimony	504	500	101	90 - 110	P	08/15/2025	16:39	LB136861
	Arsenic	469	500	94	90 - 110	P	08/15/2025	16:39	LB136861
	Barium	2540	2500	102	90 - 110	P	08/15/2025	16:39	LB136861
	Beryllium	514	500	103	90 - 110	P	08/15/2025	16:39	LB136861
	Cadmium	491	500	98	90 - 110	P	08/15/2025	16:39	LB136861
	Calcium	260000	250000	104	90 - 110	P	08/15/2025	16:39	LB136861
	Chromium	487	500	97	90 - 110	P	08/15/2025	16:39	LB136861
	Cobalt	483	500	97	90 - 110	P	08/15/2025	16:39	LB136861
	Copper	4740	5000	95	90 - 110	P	08/15/2025	16:39	LB136861
	Iron	126000	125000	101	90 - 110	P	08/15/2025	16:39	LB136861
	Lead	2560	2500	103	90 - 110	P	08/15/2025	16:39	LB136861
	Magnesium	240000	250000	96	90 - 110	P	08/15/2025	16:39	LB136861
	Manganese	4840	5000	97	90 - 110	P	08/15/2025	16:39	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

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
CCV05	Nickel	470	500	94	90 - 110	P	08/15/2025	16:39	LB136861
	Potassium	124000	125000	99	90 - 110	P	08/15/2025	16:39	LB136861
	Selenium	493	500	98	90 - 110	P	08/15/2025	16:39	LB136861
	Silver	509	500	102	90 - 110	P	08/15/2025	16:39	LB136861
	Sodium	240000	250000	96	90 - 110	P	08/15/2025	16:39	LB136861
	Thallium	522	500	104	90 - 110	P	08/15/2025	16:39	LB136861
	Vanadium	483	500	97	90 - 110	P	08/15/2025	16:39	LB136861
	Zinc	4680	5000	94	90 - 110	P	08/15/2025	16:39	LB136861

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

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
ICV01	Aluminum	1530	1600	95	90 - 110	P	08/21/2025	12:15	LB136916
	Antimony	410	400	102	90 - 110	P	08/21/2025	12:15	LB136916
	Arsenic	404	400	101	90 - 110	P	08/21/2025	12:15	LB136916
	Barium	1600	1600	100	90 - 110	P	08/21/2025	12:15	LB136916
	Beryllium	40.4	40.0	101	90 - 110	P	08/21/2025	12:15	LB136916
	Cadmium	207	200	104	90 - 110	P	08/21/2025	12:15	LB136916
	Calcium	4220	4000	106	90 - 110	P	08/21/2025	12:15	LB136916
	Chromium	161	160	101	90 - 110	P	08/21/2025	12:15	LB136916
	Cobalt	400	400	100	90 - 110	P	08/21/2025	12:15	LB136916
	Copper	187	200	93	90 - 110	P	08/21/2025	12:15	LB136916
	Iron	856	800	107	90 - 110	P	08/21/2025	12:15	LB136916
	Lead	371	400	93	90 - 110	P	08/21/2025	12:15	LB136916
	Magnesium	3710	4000	93	90 - 110	P	08/21/2025	12:15	LB136916
	Manganese	369	400	92	90 - 110	P	08/21/2025	12:15	LB136916
	Nickel	409	400	102	90 - 110	P	08/21/2025	12:15	LB136916
	Potassium	3900	4000	98	90 - 110	P	08/21/2025	12:15	LB136916
	Selenium	404	400	101	90 - 110	P	08/21/2025	12:15	LB136916
	Silver	209	200	105	90 - 110	P	08/21/2025	12:15	LB136916
	Sodium	4010	4000	100	90 - 110	P	08/21/2025	12:15	LB136916
	Thallium	378	400	94	90 - 110	P	08/21/2025	12:15	LB136916
	Vanadium	396	400	99	90 - 110	P	08/21/2025	12:15	LB136916
	Zinc	376	400	94	90 - 110	P	08/21/2025	12:15	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

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
LLICV01	Aluminum	19.3	20.0	96	80 - 120	P	08/21/2025	12:26	LB136916
	Antimony	2.10	2.0	105	80 - 120	P	08/21/2025	12:26	LB136916
	Arsenic	0.99	1.0	99	80 - 120	P	08/21/2025	12:26	LB136916
	Barium	9.84	10.0	98	80 - 120	P	08/21/2025	12:26	LB136916
	Beryllium	1.09	1.0	109	80 - 120	P	08/21/2025	12:26	LB136916
	Cadmium	1.05	1.0	105	80 - 120	P	08/21/2025	12:26	LB136916
	Calcium	516	500	103	80 - 120	P	08/21/2025	12:26	LB136916
	Chromium	1.96	2.0	98	80 - 120	P	08/21/2025	12:26	LB136916
	Cobalt	1.06	1.0	106	80 - 120	P	08/21/2025	12:26	LB136916
	Copper	2.00	2.0	100	80 - 120	P	08/21/2025	12:26	LB136916
	Iron	53.8	50.0	108	80 - 120	P	08/21/2025	12:26	LB136916
	Lead	0.82	1.0	82	80 - 120	P	08/21/2025	12:26	LB136916
	Magnesium	497	500	99	80 - 120	P	08/21/2025	12:26	LB136916
	Manganese	1.02	1.0	102	80 - 120	P	08/21/2025	12:26	LB136916
	Nickel	0.99	1.0	99	80 - 120	P	08/21/2025	12:26	LB136916
	Potassium	504	500	101	80 - 120	P	08/21/2025	12:26	LB136916
	Selenium	5.45	5.0	109	80 - 120	P	08/21/2025	12:26	LB136916
	Silver	1.09	1.0	109	80 - 120	P	08/21/2025	12:26	LB136916
	Sodium	510	500	102	80 - 120	P	08/21/2025	12:26	LB136916
	Thallium	0.96	1.0	96	80 - 120	P	08/21/2025	12:26	LB136916
	Vanadium	4.98	5.0	100	80 - 120	P	08/21/2025	12:26	LB136916
	Zinc	5.43	5.0	109	80 - 120	P	08/21/2025	12:26	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

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
CCV01	Aluminum	46300	50000	93	90 - 110	P	08/21/2025	12:39	LB136916
	Antimony	522	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Arsenic	500	500	100	90 - 110	P	08/21/2025	12:39	LB136916
	Barium	2650	2500	106	90 - 110	P	08/21/2025	12:39	LB136916
	Beryllium	521	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Cadmium	512	500	102	90 - 110	P	08/21/2025	12:39	LB136916
	Calcium	249000	250000	100	90 - 110	P	08/21/2025	12:39	LB136916
	Chromium	511	500	102	90 - 110	P	08/21/2025	12:39	LB136916
	Cobalt	505	500	101	90 - 110	P	08/21/2025	12:39	LB136916
	Copper	4990	5000	100	90 - 110	P	08/21/2025	12:39	LB136916
	Iron	122000	125000	97	90 - 110	P	08/21/2025	12:39	LB136916
	Lead	2590	2500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Magnesium	247000	250000	99	90 - 110	P	08/21/2025	12:39	LB136916
	Manganese	5070	5000	101	90 - 110	P	08/21/2025	12:39	LB136916
	Nickel	495	500	99	90 - 110	P	08/21/2025	12:39	LB136916
	Potassium	122000	125000	98	90 - 110	P	08/21/2025	12:39	LB136916
	Selenium	489	500	98	90 - 110	P	08/21/2025	12:39	LB136916
	Silver	518	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Sodium	251000	250000	100	90 - 110	P	08/21/2025	12:39	LB136916
	Thallium	520	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Vanadium	510	500	102	90 - 110	P	08/21/2025	12:39	LB136916
	Zinc	4820	5000	96	90 - 110	P	08/21/2025	12:39	LB136916
CCV02	Aluminum	46800	50000	94	90 - 110	P	08/21/2025	13:40	LB136916
	Antimony	519	500	104	90 - 110	P	08/21/2025	13:40	LB136916
	Arsenic	495	500	99	90 - 110	P	08/21/2025	13:40	LB136916
	Barium	2630	2500	105	90 - 110	P	08/21/2025	13:40	LB136916
	Beryllium	519	500	104	90 - 110	P	08/21/2025	13:40	LB136916
	Cadmium	506	500	101	90 - 110	P	08/21/2025	13:40	LB136916
	Calcium	252000	250000	101	90 - 110	P	08/21/2025	13:40	LB136916
	Chromium	496	500	99	90 - 110	P	08/21/2025	13:40	LB136916
	Cobalt	484	500	97	90 - 110	P	08/21/2025	13:40	LB136916
	Copper	4960	5000	99	90 - 110	P	08/21/2025	13:40	LB136916
	Iron	121000	125000	96	90 - 110	P	08/21/2025	13:40	LB136916
	Lead	2500	2500	100	90 - 110	P	08/21/2025	13:40	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

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
CCV02	Magnesium	249000	250000	100	90 - 110	P	08/21/2025	13:40	LB136916
	Manganese	5000	5000	100	90 - 110	P	08/21/2025	13:40	LB136916
	Nickel	488	500	98	90 - 110	P	08/21/2025	13:40	LB136916
	Potassium	121000	125000	97	90 - 110	P	08/21/2025	13:40	LB136916
	Selenium	488	500	98	90 - 110	P	08/21/2025	13:40	LB136916
	Silver	515	500	103	90 - 110	P	08/21/2025	13:40	LB136916
	Sodium	254000	250000	102	90 - 110	P	08/21/2025	13:40	LB136916
	Thallium	505	500	101	90 - 110	P	08/21/2025	13:40	LB136916
	Vanadium	498	500	100	90 - 110	P	08/21/2025	13:40	LB136916
	Zinc	4810	5000	96	90 - 110	P	08/21/2025	13:40	LB136916
CCV03	Aluminum	48300	50000	96	90 - 110	P	08/21/2025	14:32	LB136916
	Antimony	502	500	100	90 - 110	P	08/21/2025	14:32	LB136916
	Arsenic	507	500	101	90 - 110	P	08/21/2025	14:32	LB136916
	Barium	2560	2500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Beryllium	531	500	106	90 - 110	P	08/21/2025	14:32	LB136916
	Cadmium	495	500	99	90 - 110	P	08/21/2025	14:32	LB136916
	Calcium	244000	250000	98	90 - 110	P	08/21/2025	14:32	LB136916
	Chromium	512	500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Cobalt	507	500	101	90 - 110	P	08/21/2025	14:32	LB136916
	Copper	5010	5000	100	90 - 110	P	08/21/2025	14:32	LB136916
	Iron	122000	125000	98	90 - 110	P	08/21/2025	14:32	LB136916
	Lead	2540	2500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Magnesium	254000	250000	102	90 - 110	P	08/21/2025	14:32	LB136916
	Manganese	5100	5000	102	90 - 110	P	08/21/2025	14:32	LB136916
	Nickel	498	500	100	90 - 110	P	08/21/2025	14:32	LB136916
	Potassium	125000	125000	100	90 - 110	P	08/21/2025	14:32	LB136916
	Selenium	483	500	96	90 - 110	P	08/21/2025	14:32	LB136916
	Silver	507	500	101	90 - 110	P	08/21/2025	14:32	LB136916
	Sodium	252000	250000	101	90 - 110	P	08/21/2025	14:32	LB136916
	Thallium	502	500	100	90 - 110	P	08/21/2025	14:32	LB136916
	Vanadium	510	500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Zinc	4870	5000	97	90 - 110	P	08/21/2025	14:32	LB136916
CCV04	Aluminum	47200	50000	94	90 - 110	P	08/21/2025	15:12	LB136916
	Antimony	506	500	101	90 - 110	P	08/21/2025	15:12	LB136916

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

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
CCV04	Arsenic	502	500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Barium	2540	2500	102	90 - 110	P	08/21/2025	15:12	LB136916
	Beryllium	515	500	103	90 - 110	P	08/21/2025	15:12	LB136916
	Cadmium	499	500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Calcium	238000	250000	95	90 - 110	P	08/21/2025	15:12	LB136916
	Chromium	501	500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Cobalt	493	500	99	90 - 110	P	08/21/2025	15:12	LB136916
	Copper	4930	5000	99	90 - 110	P	08/21/2025	15:12	LB136916
	Iron	119000	125000	95	90 - 110	P	08/21/2025	15:12	LB136916
	Lead	2500	2500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Magnesium	251000	250000	100	90 - 110	P	08/21/2025	15:12	LB136916
	Manganese	5020	5000	100	90 - 110	P	08/21/2025	15:12	LB136916
	Nickel	487	500	97	90 - 110	P	08/21/2025	15:12	LB136916
	Potassium	122000	125000	98	90 - 110	P	08/21/2025	15:12	LB136916
	Selenium	483	500	97	90 - 110	P	08/21/2025	15:12	LB136916
	Silver	508	500	102	90 - 110	P	08/21/2025	15:12	LB136916
	Sodium	252000	250000	101	90 - 110	P	08/21/2025	15:12	LB136916
	Thallium	506	500	101	90 - 110	P	08/21/2025	15:12	LB136916
	Vanadium	505	500	101	90 - 110	P	08/21/2025	15:12	LB136916
	Zinc	4750	5000	95	90 - 110	P	08/21/2025	15:12	LB136916

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Metals

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CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

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
CRI	Aluminum	18.0	20.0	90	70 - 130	P	08/15/2025	14:03	LB136861
	Antimony	2.15	2.0	108	70 - 130	P	08/15/2025	14:03	LB136861
	Arsenic	1.04	1.0	104	70 - 130	P	08/15/2025	14:03	LB136861
	Barium	10.7	10.0	107	70 - 130	P	08/15/2025	14:03	LB136861
	Beryllium	1.17	1.0	117	70 - 130	P	08/15/2025	14:03	LB136861
	Cadmium	1.05	1.0	105	70 - 130	P	08/15/2025	14:03	LB136861
	Calcium	589	500	118	70 - 130	P	08/15/2025	14:03	LB136861
	Chromium	2.19	2.0	110	70 - 130	P	08/15/2025	14:03	LB136861
	Cobalt	1.15	1.0	115	50 - 150	P	08/15/2025	14:03	LB136861
	Copper	2.19	2.0	110	70 - 130	P	08/15/2025	14:03	LB136861
	Iron	60.5	50.0	121	70 - 130	P	08/15/2025	14:03	LB136861
	Lead	1.01	1.0	101	70 - 130	P	08/15/2025	14:03	LB136861
	Magnesium	522	500	104	70 - 130	P	08/15/2025	14:03	LB136861
	Manganese	1.06	1.0	106	50 - 150	P	08/15/2025	14:03	LB136861
	Nickel	1.16	1.0	116	70 - 130	P	08/15/2025	14:03	LB136861
	Potassium	591	500	118	70 - 130	P	08/15/2025	14:03	LB136861
	Selenium	5.56	5.0	111	70 - 130	P	08/15/2025	14:03	LB136861
	Silver	1.13	1.0	113	70 - 130	P	08/15/2025	14:03	LB136861
	Sodium	562	500	112	70 - 130	P	08/15/2025	14:03	LB136861
	Thallium	1.05	1.0	105	70 - 130	P	08/15/2025	14:03	LB136861
	Vanadium	5.53	5.0	111	70 - 130	P	08/15/2025	14:03	LB136861
	Zinc	4.70	5.0	94	50 - 150	P	08/15/2025	14:03	LB136861
CRA	Mercury	0.23	0.2	115	70 - 130	CV	08/21/2025	09:08	LB136901
CRI	Aluminum	20.2	20.0	101	70 - 130	P	08/21/2025	12:48	LB136916
	Antimony	2.16	2.0	108	70 - 130	P	08/21/2025	12:48	LB136916
	Arsenic	1.05	1.0	105	70 - 130	P	08/21/2025	12:48	LB136916
	Barium	10.7	10.0	107	70 - 130	P	08/21/2025	12:48	LB136916
	Beryllium	1.18	1.0	118	70 - 130	P	08/21/2025	12:48	LB136916
	Cadmium	0.98	1.0	98	70 - 130	P	08/21/2025	12:48	LB136916
	Calcium	555	500	111	70 - 130	P	08/21/2025	12:48	LB136916
	Chromium	2.13	2.0	106	70 - 130	P	08/21/2025	12:48	LB136916
	Cobalt	1.16	1.0	116	50 - 150	P	08/21/2025	12:48	LB136916
	Copper	2.11	2.0	106	70 - 130	P	08/21/2025	12:48	LB136916
	Iron	59.0	50.0	118	70 - 130	P	08/21/2025	12:48	LB136916
	Lead	1.03	1.0	103	70 - 130	P	08/21/2025	12:48	LB136916

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Metals

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CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

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
CRI	Magnesium	524	500	105	70 - 130	P	08/21/2025	12:48	LB136916
	Manganese	1.01	1.0	101	50 - 150	P	08/21/2025	12:48	LB136916
	Nickel	1.19	1.0	119	70 - 130	P	08/21/2025	12:48	LB136916
	Potassium	561	500	112	70 - 130	P	08/21/2025	12:48	LB136916
	Selenium	5.74	5.0	115	70 - 130	P	08/21/2025	12:48	LB136916
	Silver	1.10	1.0	110	70 - 130	P	08/21/2025	12:48	LB136916
	Sodium	558	500	112	70 - 130	P	08/21/2025	12:48	LB136916
	Thallium	1.00	1.0	100	70 - 130	P	08/21/2025	12:48	LB136916
	Vanadium	5.41	5.0	108	70 - 130	P	08/21/2025	12:48	LB136916
	Zinc	5.49	5.0	110	50 - 150	P	08/21/2025	12:48	LB136916

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

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	89100	100000	89	0	0	08/15/2025	13:46	LB136861
	Antimony	1.11	1.5	74	-2.5	5.5	08/15/2025	13:46	LB136861
	Arsenic	0.29	0.1	290	-1.9	2.1	08/15/2025	13:46	LB136861
	Barium	1.35	1.2	112	-18.8	21.2	08/15/2025	13:46	LB136861
	Beryllium	0.28			-2	2	08/15/2025	13:46	LB136861
	Cadmium	0.17	0.7	24	-1.3	2.7	08/15/2025	13:46	LB136861
	Calcium	102000	100000	102	0	0	08/15/2025	13:46	LB136861
	Chromium	20.0	21.0	95	17	25	08/15/2025	13:46	LB136861
	Cobalt	1.28	1.0	128	-1	3	08/15/2025	13:46	LB136861
	Copper	7.41	8.0	93	4	12	08/15/2025	13:46	LB136861
	Iron	102000	100000	102	0	0	08/15/2025	13:46	LB136861
	Lead	4.10	4.0	102	2	6	08/15/2025	13:46	LB136861
	Magnesium	91200	100000	91	0	0	08/15/2025	13:46	LB136861
	Manganese	7.52	7.0	107	5	9	08/15/2025	13:46	LB136861
	Nickel	5.29	6.0	88	4	8	08/15/2025	13:46	LB136861
	Potassium	102000	100000	102	0	0	08/15/2025	13:46	LB136861
	Selenium	0	0.3		-9.7	10	08/15/2025	13:46	LB136861
	Silver	0.050			-2	2	08/15/2025	13:46	LB136861
	Sodium	100000	100000	100	0	0	08/15/2025	13:46	LB136861
	Thallium	0.040			-2	2	08/15/2025	13:46	LB136861
	Vanadium	0.22	0.5	44	-9.5	10.5	08/15/2025	13:46	LB136861
	Zinc	9.17	11.0	83	1	21	08/15/2025	13:46	LB136861
ICSAB01	Aluminum	89700	100000	90	0	0	08/15/2025	13:50	LB136861
	Antimony	20.9	22.0	95	18	26	08/15/2025	13:50	LB136861
	Arsenic	20.2	19.0	106	16.2	21.9	08/15/2025	13:50	LB136861
	Barium	21.7	22.0	99	2	42	08/15/2025	13:50	LB136861
	Beryllium	21.4	19.0	113	16.2	21.9	08/15/2025	13:50	LB136861
	Cadmium	20.4	20.0	102	17	23	08/15/2025	13:50	LB136861
	Calcium	102000	100000	102	0	0	08/15/2025	13:50	LB136861
	Chromium	40.6	40.0	102	34	46	08/15/2025	13:50	LB136861
	Cobalt	21.9	20.0	110	17	23	08/15/2025	13:50	LB136861
	Copper	26.5	25.0	106	21	29	08/15/2025	13:50	LB136861
	Iron	102000	100000	102	0	0	08/15/2025	13:50	LB136861
	Lead	23.6	25.0	94	21.3	28.8	08/15/2025	13:50	LB136861
	Magnesium	91800	100000	92	0	0	08/15/2025	13:50	LB136861
	Manganese	28.4	27.0	105	23	31.1	08/15/2025	13:50	LB136861
	Nickel	26.6	24.0	111	20.4	27.6	08/15/2025	13:50	LB136861
	Potassium	103000	100000	103	0	0	08/15/2025	13:50	LB136861
	Selenium	19.6	19.0	103	9	29	08/15/2025	13:50	LB136861
	Silver	19.9	18.0	111	15.3	20.7	08/15/2025	13:50	LB136861
	Sodium	101000	100000	101	0	0	08/15/2025	13:50	LB136861
	Thallium	20.4	21.0	97	17.9	24.2	08/15/2025	13:50	LB136861

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

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	20.3	19.0	107	9	29	08/15/2025	13:50	LB136861
	Zinc	27.1	29.0	93	19	39	08/15/2025	13:50	LB136861
ICSA01	Aluminum	93700	100000	94	0	0	08/21/2025	12:33	LB136916
	Antimony	1.09	1.5	73	-2.5	5.5	08/21/2025	12:33	LB136916
	Arsenic	0.28	0.1	280	-1.9	2.1	08/21/2025	12:33	LB136916
	Barium	1.42	1.2	118	-18.8	21.2	08/21/2025	12:33	LB136916
	Beryllium	0.27			-2	2	08/21/2025	12:33	LB136916
	Cadmium	0	0.7		-1.3	2.7	08/21/2025	12:33	LB136916
	Calcium	100000	100000	100	0	0	08/21/2025	12:33	LB136916
	Chromium	20.1	21.0	96	17	25	08/21/2025	12:33	LB136916
	Cobalt	1.30	1.0	130	-1	3	08/21/2025	12:33	LB136916
	Copper	7.38	8.0	92	4	12	08/21/2025	12:33	LB136916
	Iron	100000	100000	100	0	0	08/21/2025	12:33	LB136916
	Lead	4.27	4.0	107	2	6	08/21/2025	12:33	LB136916
	Magnesium	96000	100000	96	0	0	08/21/2025	12:33	LB136916
	Manganese	7.22	7.0	103	5	9	08/21/2025	12:33	LB136916
	Nickel	5.50	6.0	92	4	8	08/21/2025	12:33	LB136916
	Potassium	101000	100000	101	0	0	08/21/2025	12:33	LB136916
	Selenium	0.050	0.3	17	-9.7	10	08/21/2025	12:33	LB136916
	Silver	0.050			-2	2	08/21/2025	12:33	LB136916
	Sodium	105000	100000	105	0	0	08/21/2025	12:33	LB136916
	Thallium	0.040			-2	2	08/21/2025	12:33	LB136916
	Vanadium	0.19	0.5	38	-9.5	10.5	08/21/2025	12:33	LB136916
	Zinc	9.71	11.0	88	1	21	08/21/2025	12:33	LB136916
ICSAB01	Aluminum	93100	100000	93	0	0	08/21/2025	12:36	LB136916
	Antimony	21.4	22.0	97	18	26	08/21/2025	12:36	LB136916
	Arsenic	20.3	19.0	107	16.2	21.9	08/21/2025	12:36	LB136916
	Barium	21.8	22.0	99	2	42	08/21/2025	12:36	LB136916
	Beryllium	20.8	19.0	110	16.2	21.9	08/21/2025	12:36	LB136916
	Cadmium	20.7	20.0	104	17	23	08/21/2025	12:36	LB136916
	Calcium	99700	100000	100	0	0	08/21/2025	12:36	LB136916
	Chromium	40.2	40.0	100	34	46	08/21/2025	12:36	LB136916
	Cobalt	21.6	20.0	108	17	23	08/21/2025	12:36	LB136916
	Copper	26.5	25.0	106	21	29	08/21/2025	12:36	LB136916
	Iron	101000	100000	101	0	0	08/21/2025	12:36	LB136916
	Lead	23.3	25.0	93	21.3	28.8	08/21/2025	12:36	LB136916
	Magnesium	93700	100000	94	0	0	08/21/2025	12:36	LB136916
	Manganese	25.7	27.0	95	23	31.1	08/21/2025	12:36	LB136916
	Nickel	26.0	24.0	108	20.4	27.6	08/21/2025	12:36	LB136916
	Potassium	101000	100000	101	0	0	08/21/2025	12:36	LB136916
	Selenium	20.0	19.0	105	9	29	08/21/2025	12:36	LB136916
	Silver	20.2	18.0	112	15.3	20.7	08/21/2025	12:36	LB136916

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

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	104000	100000	104	0	0	08/21/2025	12:36	LB136916
	Thallium	19.8	21.0	94	17.9	24.2	08/21/2025	12:36	LB136916
	Vanadium	20.0	19.0	105	9	29	08/21/2025	12:36	LB136916
	Zinc	29.0	29.0	100	19	39	08/21/2025	12:36	LB136916

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2869

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2842-03 **client id:** MW-17B-55.5-08122025MS

Percent Solids for Sample: NA **Spiked ID:** Q2842-04 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	8440		31.8		10000	84		P
Antimony	ug/L	75 - 125	464		0.22	J	500	93		P
Arsenic	ug/L	75 - 125	489		0.63	J	500	98		P
Barium	ug/L	75 - 125	2580		448		2500	85		P
Beryllium	ug/L	75 - 125	485		1.00	U	500	97		P
Cadmium	ug/L	75 - 125	473		1.00	U	500	95		P
Calcium	ug/L	75 - 125	73500		29600		50000	88		P
Chromium	ug/L	75 - 125	456		2.00	U	500	91		P
Cobalt	ug/L	75 - 125	476		8.23		500	94		P
Copper	ug/L	75 - 125	4350		2.00	U	5000	87		P
Iron	ug/L	75 - 125	28900		7590		25000	85		P
Lead	ug/L	75 - 125	2320		0.61	J	2500	93		P
Magnesium	ug/L	75 - 125	55100		9260		50000	92		P
Manganese	ug/L	75 - 125	4900		618		5000	86		P
Nickel	ug/L	75 - 125	478		11.3		500	93		P
Potassium	ug/L	75 - 125	29700		7950		25000	87		P
Selenium	ug/L	75 - 125	475		5.00	U	500	95		P
Silver	ug/L	75 - 125	85.3		1.00	U	500	17	N	P
Sodium	ug/L	75 - 125	52200		6170		50000	92		P
Thallium	ug/L	75 - 125	462		0.21	J	500	92		P
Vanadium	ug/L	75 - 125	467		0.29	J	500	93		P
Zinc	ug/L	75 - 125	4520		3.08	J	5000	90		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2869

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2842-03 **client id:** MW-17B-55.5-08122025MSD

Percent Solids for Sample: NA **Spiked ID:** Q2842-05 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	8470		31.8		10000	84		P
Antimony	ug/L	75 - 125	482		0.22	J	500	96		P
Arsenic	ug/L	75 - 125	467		0.63	J	500	93		P
Barium	ug/L	75 - 125	2650		448		2500	88		P
Beryllium	ug/L	75 - 125	489		1.00	U	500	98		P
Cadmium	ug/L	75 - 125	484		1.00	U	500	97		P
Calcium	ug/L	75 - 125	74200		29600		50000	89		P
Chromium	ug/L	75 - 125	455		2.00	U	500	91		P
Cobalt	ug/L	75 - 125	481		8.23		500	95		P
Copper	ug/L	75 - 125	4370		2.00	U	5000	87		P
Iron	ug/L	75 - 125	29000		7590		25000	86		P
Lead	ug/L	75 - 125	2370		0.61	J	2500	95		P
Magnesium	ug/L	75 - 125	55000		9260		50000	91		P
Manganese	ug/L	75 - 125	4960		618		5000	87		P
Nickel	ug/L	75 - 125	483		11.3		500	94		P
Potassium	ug/L	75 - 125	29900		7950		25000	88		P
Selenium	ug/L	75 - 125	469		5.00	U	500	94		P
Silver	ug/L	75 - 125	87.6		1.00	U	500	18	N	P
Sodium	ug/L	75 - 125	51900		6170		50000	92		P
Thallium	ug/L	75 - 125	477		0.21	J	500	95		P
Vanadium	ug/L	75 - 125	476		0.29	J	500	95		P
Zinc	ug/L	75 - 125	4550		3.08	J	5000	91		P

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metals
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MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2869

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2842-09 **client id:** MW-17B-55.5-08122025MS

Percent Solids for Sample: NA **Spiked ID:** Q2842-10 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	8320		12.3	J	10000	83		P
Antimony	ug/L	75 - 125	474		0.23	J	500	95		P
Arsenic	ug/L	75 - 125	492		0.54	J	500	98		P
Barium	ug/L	75 - 125	2600		431		2500	87		P
Beryllium	ug/L	75 - 125	474		1.00	U	500	95		P
Cadmium	ug/L	75 - 125	473		1.00	U	500	95		P
Calcium	ug/L	75 - 125	72300		31900		50000	81		P
Chromium	ug/L	75 - 125	459		2.00	U	500	92		P
Cobalt	ug/L	75 - 125	475		8.13		500	93		P
Copper	ug/L	75 - 125	4250		2.00	U	5000	85		P
Iron	ug/L	75 - 125	27000		7020		25000	80		P
Lead	ug/L	75 - 125	2300		1.00	U	2500	92		P
Magnesium	ug/L	75 - 125	55500		9810		50000	91		P
Manganese	ug/L	75 - 125	4810		642		5000	83		P
Nickel	ug/L	75 - 125	463		10.3		500	91		P
Potassium	ug/L	75 - 125	29100		8190		25000	83		P
Selenium	ug/L	75 - 125	468		5.00	U	500	94		P
Silver	ug/L	75 - 125	85.3		1.00	U	500	17	N	P
Sodium	ug/L	75 - 125	53100		6520		50000	93		P
Thallium	ug/L	75 - 125	459		0.39	J	500	92		P
Vanadium	ug/L	75 - 125	471		0.17	J	500	94		P
Zinc	ug/L	75 - 125	4430		1.38	J	5000	89		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2869

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2842-09 **client id:** MW-17B-55.5-08122025MSD

Percent Solids for Sample: NA **Spiked ID:** Q2842-11 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	8320		12.3	J	10000	83		P
Antimony	ug/L	75 - 125	467		0.23	J	500	93		P
Arsenic	ug/L	75 - 125	494		0.54	J	500	99		P
Barium	ug/L	75 - 125	2520		431		2500	83		P
Beryllium	ug/L	75 - 125	469		1.00	U	500	94		P
Cadmium	ug/L	75 - 125	462		1.00	U	500	92		P
Calcium	ug/L	75 - 125	72600		31900		50000	81		P
Chromium	ug/L	75 - 125	457		2.00	U	500	91		P
Cobalt	ug/L	75 - 125	465		8.13		500	91		P
Copper	ug/L	75 - 125	4300		2.00	U	5000	86		P
Iron	ug/L	75 - 125	26700		7020		25000	79		P
Lead	ug/L	75 - 125	2270		1.00	U	2500	91		P
Magnesium	ug/L	75 - 125	55800		9810		50000	92		P
Manganese	ug/L	75 - 125	4930		642		5000	86		P
Nickel	ug/L	75 - 125	462		10.3		500	90		P
Potassium	ug/L	75 - 125	28700		8190		25000	82		P
Selenium	ug/L	75 - 125	468		5.00	U	500	94		P
Silver	ug/L	75 - 125	82.8		1.00	U	500	17	N	P
Sodium	ug/L	75 - 125	53300		6520		50000	94		P
Thallium	ug/L	75 - 125	454		0.39	J	500	91		P
Vanadium	ug/L	75 - 125	472		0.17	J	500	94		P
Zinc	ug/L	75 - 125	4430		1.38	J	5000	89		P

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metals
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MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2869

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2869-01 **client id:** MW-19B-71.5-081325MS

Percent Solids for Sample: NA **Spiked ID:** Q2869-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	4.18		0.20	U	4.0	104		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2869

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2869-01 **client id:** MW-19B-71.5-081325MSD

Percent Solids for Sample: NA **Spiked ID:** Q2869-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	4.13		0.20	U	4.0	103		CV

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Metals
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POST DIGEST SPIKE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** MW-17B-55.5-08122025A

Sample ID: Q2842-03 **Spiked ID:** Q2842-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	75 - 125	85.7		1.00	U	500	17	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2842-03 **Client ID:** MW-17B-55.5-08122025DUP

Percent Solids for Sample: NA **Duplicate ID** Q2842-03DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	31.8		30.1		5		P
Antimony	ug/L	20	0.22	J	0.20	J	10		P
Arsenic	ug/L	20	0.63	J	0.64	J	2		P
Barium	ug/L	20	448		436		3		P
Beryllium	ug/L	20	1.00	U	1.00	U			P
Cadmium	ug/L	20	1.00	U	1.00	U			P
Calcium	ug/L	20	29600		28900		2		P
Chromium	ug/L	20	2.00	U	0.31	J	200.0		P
Cobalt	ug/L	20	8.23		8.18		1		P
Copper	ug/L	20	2.00	U	2.00	U			P
Iron	ug/L	20	7590		7560		0		P
Lead	ug/L	20	0.61	J	1.00	U	200.0		P
Magnesium	ug/L	20	9260		9200		1		P
Manganese	ug/L	20	618		617		0		P
Nickel	ug/L	20	11.3		11.1		2		P
Potassium	ug/L	20	7950		8030		1		P
Selenium	ug/L	20	5.00	U	5.00	U			P
Silver	ug/L	20	1.00	U	1.00	U			P
Sodium	ug/L	20	6170		6120		1		P
Thallium	ug/L	20	0.21	J	0.19	J	10		P
Vanadium	ug/L	20	0.29	J	0.29	J	0		P
Zinc	ug/L	20	3.08	J	3.40	J	10		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: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2842-04 **Client ID:** MW-17B-55.5-08122025MSD

Percent Solids for Sample: NA **Duplicate ID** Q2842-05 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	8440		8470		0		P
Antimony	ug/L	20	464		482		4		P
Arsenic	ug/L	20	489		467		5		P
Barium	ug/L	20	2580		2650		3		P
Beryllium	ug/L	20	485		489		1		P
Cadmium	ug/L	20	473		484		2		P
Calcium	ug/L	20	73500		74200		1		P
Chromium	ug/L	20	456		455		0		P
Cobalt	ug/L	20	476		481		1		P
Copper	ug/L	20	4350		4370		0		P
Iron	ug/L	20	28900		29000		0		P
Lead	ug/L	20	2320		2370		2		P
Magnesium	ug/L	20	55100		55000		0		P
Manganese	ug/L	20	4900		4960		1		P
Nickel	ug/L	20	478		483		1		P
Potassium	ug/L	20	29700		29900		1		P
Selenium	ug/L	20	475		469		1		P
Silver	ug/L	20	85.3		87.6		3		P
Sodium	ug/L	20	52200		51900		1		P
Thallium	ug/L	20	462		477		3		P
Vanadium	ug/L	20	467		476		2		P
Zinc	ug/L	20	4520		4550		1		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: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2842-10 **Client ID:** MW-17B-55.5-08122025MSD

Percent Solids for Sample: NA **Duplicate ID** Q2842-11 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	8320		8320		0		P
Antimony	ug/L	20	474		467		1		P
Arsenic	ug/L	20	492		494		0		P
Barium	ug/L	20	2600		2520		3		P
Beryllium	ug/L	20	474		469		1		P
Cadmium	ug/L	20	473		462		2		P
Calcium	ug/L	20	72300		72600		0		P
Chromium	ug/L	20	459		457		0		P
Cobalt	ug/L	20	475		465		2		P
Copper	ug/L	20	4250		4300		1		P
Iron	ug/L	20	27000		26700		1		P
Lead	ug/L	20	2300		2270		1		P
Magnesium	ug/L	20	55500		55800		1		P
Manganese	ug/L	20	4810		4930		2		P
Nickel	ug/L	20	463		462		0		P
Potassium	ug/L	20	29100		28700		1		P
Selenium	ug/L	20	468		468		0		P
Silver	ug/L	20	85.3		82.8		3		P
Sodium	ug/L	20	53100		53300		0		P
Thallium	ug/L	20	459		454		1		P
Vanadium	ug/L	20	471		472		0		P
Zinc	ug/L	20	4430		4430		0		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2869-01 **Client ID:** MW-19B-71.5-081325DUP

Percent Solids for Sample: NA **Duplicate ID** Q2869-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2869-01MS **Client ID:** MW-19B-71.5-081325MSD

Percent Solids for Sample: NA **Duplicate ID** Q2869-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	4.18		4.13		1		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

LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169250BS							
Aluminum	ug/L	10000	9810		98	80 - 120	P
Antimony	ug/L	500	502		100	80 - 120	P
Arsenic	ug/L	500	486		97	80 - 120	P
Barium	ug/L	2500	2530		101	80 - 120	P
Beryllium	ug/L	500	493		99	80 - 120	P
Cadmium	ug/L	500	511		102	80 - 120	P
Calcium	ug/L	50000	50400		101	80 - 120	P
Chromium	ug/L	500	485		97	80 - 120	P
Cobalt	ug/L	500	488		98	80 - 120	P
Copper	ug/L	5000	5000		100	80 - 120	P
Iron	ug/L	25000	25700		103	80 - 120	P
Lead	ug/L	2500	2420		97	80 - 120	P
Magnesium	ug/L	50000	48900		98	80 - 120	P
Manganese	ug/L	5000	4890		98	80 - 120	P
Nickel	ug/L	500	488		98	80 - 120	P
Potassium	ug/L	25000	24600		98	80 - 120	P
Selenium	ug/L	500	505		101	80 - 120	P
Silver	ug/L	500	517		103	80 - 120	P
Sodium	ug/L	50000	50200		100	80 - 120	P
Thallium	ug/L	500	488		98	80 - 120	P
Vanadium	ug/L	500	485		97	80 - 120	P
Zinc	ug/L	5000	4950		99	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169327BS							
Mercury	ug/L	4.0	4.18		104	80 - 120	CV

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1234	100		100		100		100		100	
S2	S2	1248	103		101		94		100		102	
S3	S3	1251	105		103		94		102		103	
S4	S4	1254	106		102		95		101		103	
S5	S5	1257	105		100		94		101		104	
S6	S6	1300	104		100		94		100		102	
S7	S7	1303	105		102		98		102		107	
S8	S8	1306	107		104		98		98		107	
ICV01	ICV01	1322	99		104		98		105		102	
LLICV01	LLICV01	1340	99		104		98		105		102	
ICB01	ICB01	1343	100		106		98		105		104	
ICSA01	ICSA01	1346	97		103		101		107		108	
ICSAB01	ICSAB01	1350	89		105		103		107		111	
CCV01	CCV01	1353	90		107		105		106		112	
CCB01	CCB01	1356	88		103		99		106		103	
CRI	CRI	1403	90		102		98		105		103	
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	93		108		104		107		110	
CCB02	CCB02	1444	90		105		100		106		104	
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
ZZZZZZ	ZZZZZZ	1500										
Q2842-03DUP	MW-17B-55.5	1503	97		120		116		120		116	
Q2842-03L	MW-17B-55.5	1506	88		106		103		109		105	
Q2842-04	MW-17B-55.5	1509	99		119		114		119		120	
Q2842-05	MW-17B-55.5	1512	97		117		115		118		117	
Q2842-03A	MW-17B-55.5	1515	97		118		114		120		118	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
ZZZZZZ	ZZZZZZ	1518										
CCV03	CCV03	1521	91		108		105		106		109	
CCB03	CCB03	1524	91		102		99		106		103	
Q2842-10	MW-17B-55.5	1527	105		121		114		121		120	
Q2842-11	MW-17B-55.5	1530	102		119		114		119		121	
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
Q2869-01	MW-19B-71.5	1552	110		128		122		128		125	
Q2869-02	MW-19B-71.5	1555	105		123		118		123		122	
CCV04	CCV04	1558	99		115		110		111		115	
CCB04	CCB04	1610	89		101		101		108		110	
Q2869-05	MW-19B-71.5	1613	101		116		114		120		124	
Q2869-06	MW-19B-71.5	1616	101		118		116		123		123	
Q2869-07	EB01-081325	1619	102		119		116		125		123	
Q2869-08	EB01-081325	1623	100		117		113		121		119	
ZZZZZZ	ZZZZZZ	1626										
ZZZZZZ	ZZZZZZ	1629										
ZZZZZZ	ZZZZZZ	1632										
ZZZZZZ	ZZZZZZ	1636										
CCV05	CCV05	1639	98		113		108		111		116	
CCB05	CCB05	1650	95		109		105		111		108	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1234	100		100		100		100		100	
S2	S2	1248	100		94		99		100		98	
S3	S3	1251	102		95		101		102		101	
S4	S4	1254	102		94		100		101		101	
S5	S5	1257	101		94		100		101		101	
S6	S6	1300	104		98		102		103		104	
S7	S7	1303	102		96		100		105		104	
S8	S8	1306	106		100		98		106		106	
ICV01	ICV01	1322	104		98		104		103		103	
LLICV01	LLICV01	1340	103		98		103		103		101	
ICB01	ICB01	1343	104		100		105		105		103	
ICSA01	ICSA01	1346	105		101		105		108		107	
ICSAB01	ICSAB01	1350	107		103		107		109		109	
CCV01	CCV01	1353	110		106		106		111		109	
CCB01	CCB01	1356	104		100		105		103		102	
CRI	CRI	1403	103		100		105		104		103	
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	108		105		106		109		107	
CCB02	CCB02	1444	104		102		106		104		102	
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
ZZZZZZ	ZZZZZZ	1500										
Q2842-03DUP	MW-17B-55.5	1503	117		113		119		117		117	
Q2842-03L	MW-17B-55.5	1506	108		105		111		109		106	
Q2842-04	MW-17B-55.5	1509	117		114		118		118		118	
Q2842-05	MW-17B-55.5	1512	116		114		116		118		117	
Q2842-03A	MW-17B-55.5	1515	117		114		119		119		119	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
ZZZZZZ	ZZZZZZ	1518										
CCV03	CCV03	1521	108		105		106		110		107	
CCB03	CCB03	1524	103		101		105		104		100	
Q2842-10	MW-17B-55.5	1527	118		113		119		119		117	
Q2842-11	MW-17B-55.5	1530	118		113		118		121		118	
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
Q2869-01	MW-19B-71.5	1552	123		121		123		124		120	
Q2869-02	MW-19B-71.5	1555	120		116		120		119		118	
CCV04	CCV04	1558	115		111		110		115		113	
CCB04	CCB04	1610	103		101		108		107		104	
Q2869-05	MW-19B-71.5	1613	119		116		123		121		120	
Q2869-06	MW-19B-71.5	1616	116		114		121		119		120	
Q2869-07	EB01-081325	1619	118		113		121		120		118	
Q2869-08	EB01-081325	1623	115		112		118		116		114	
ZZZZZZ	ZZZZZZ	1626										
ZZZZZZ	ZZZZZZ	1629										
ZZZZZZ	ZZZZZZ	1632										
ZZZZZZ	ZZZZZZ	1636										
CCV05	CCV05	1639	116		113		113		118		117	
CCB05	CCB05	1650	106		104		111		109		107	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: P7 Start Date : 08/21/2025

Run Number: LB136916 End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1133	100		100		100		100		100	
S2	S2	1139	106		103		101		103		101	
S3	S3	1143	108		102		102		102		100	
S4	S4	1146	107		101		101		100		100	
S5	S5	1149	109		102		102		100		104	
S6	S6	1152	110		103		104		100		106	
S7	S7	1154	108		103		103		99		106	
S8	S8	1157	107		103		103		95		104	
ICV01	ICV01	1215	105		99		98		98		98	
LLICV01	LLICV01	1226	103		97		98		98		99	
ICB01	ICB01	1229	103		99		100		97		98	
ICSA01	ICSA01	1233	104		99		103		98		105	
ICSAB01	ICSAB01	1236	102		101		103		100		104	
CCV01	CCV01	1239	104		105		107		101		106	
CCB01	CCB01	1244	99		102		104		103		101	
CRI	CRI	1248	99		101		104		102		101	
CCV02	CCV02	1340	107		103		104		98		103	
CCB02	CCB02	1343	103		99		100		100		98	
PB169250BL	PB169250BL	1346	101		98		99		98		98	
PB169250BS	PB169250BS	1350	105		103		102		99		102	
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	103		107		107		99		105	
CCB03	CCB03	1434	100		99		100		98		99	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: P7 Start Date : 08/21/2025

Run Number: LB136916 End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1133	100		100		100		100		100	
S2	S2	1139	103		103		103		102		103	
S3	S3	1143	103		102		102		103		102	
S4	S4	1146	101		99		101		101		102	
S5	S5	1149	101		100		98		103		103	
S6	S6	1152	102		101		100		101		104	
S7	S7	1154	105		104		102		107		107	
S8	S8	1157	107		105		98		105		108	
ICV01	ICV01	1215	99		97		99		98		101	
LLICV01	LLICV01	1226	99		100		101		101		101	
ICB01	ICB01	1229	97		100		99		100		101	
ICSA01	ICSA01	1233	101		102		100		102		104	
ICSAB01	ICSAB01	1236	104		103		101		105		107	
CCV01	CCV01	1239	111		111		105		108		110	
CCB01	CCB01	1244	103		104		105		103		104	
CRI	CRI	1248	103		103		103		102		103	
CCV02	CCV02	1340	106		105		99		106		108	
CCB02	CCB02	1343	99		100		99		101		103	
PB169250BL	PB169250BL	1346	98		98		97		97		101	
PB169250BS	PB169250BS	1350	105		106		102		106		108	
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	106		104		99		103		107	
CCB03	CCB03	1434	100		101		99		100		105	

Internal Standard %RI Limit: 70 - 130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.
Contract: JACO05
Lab Code: ACE
SDG No.: Q2869
Instrument ID: P7
Start Date : 08/15/2025
Run Number: LB136861
End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1234	100		100							
S2	S2	1248	101		99							
S3	S3	1251	103		102							
S4	S4	1254	102		103							
S5	S5	1257	103		102							
S6	S6	1300	103		104							
S7	S7	1303	106		104							
S8	S8	1306	107		97							
ICV01	ICV01	1322	102		101							
LLICV01	LLICV01	1340	102		100							
ICB01	ICB01	1343	102		102							
ICSA01	ICSA01	1346	107		100							
ICSAB01	ICSAB01	1350	108		101							
CCV01	CCV01	1353	110		102							
CCB01	CCB01	1356	103		100							
CRI	CRI	1403	102		101							
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	108		100							
CCB02	CCB02	1444	103		98							
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
ZZZZZZ	ZZZZZZ	1500										
Q2842-03DUP	MW-17B-55.5-	1503	116		110							
Q2842-03L	MW-17B-55.5-	1506	103		102							
Q2842-04	MW-17B-55.5-	1509	117		112							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
Q2842-05	MW-17B-55.5-	1512	116		110							
Q2842-03A	MW-17B-55.5-	1515	118		112							
ZZZZZZ	ZZZZZZ	1518										
CCV03	CCV03	1521	107		97							
CCB03	CCB03	1524	101		99							
Q2842-10	MW-17B-55.5-	1527	119		114							
Q2842-11	MW-17B-55.5-	1530	119		115							
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
Q2869-01	MW-19B-71.5-	1552	123		120							
Q2869-02	MW-19B-71.5-	1555	120		114							
CCV04	CCV04	1558	112		105							
CCB04	CCB04	1610	108		105							
Q2869-05	MW-19B-71.5-	1613	120		119							
Q2869-06	MW-19B-71.5-	1616	120		116							
Q2869-07	EB01-081325	1619	120		120							
Q2869-08	EB01-081325	1623	117		116							
ZZZZZZ	ZZZZZZ	1626										
ZZZZZZ	ZZZZZZ	1629										
ZZZZZZ	ZZZZZZ	1632										
ZZZZZZ	ZZZZZZ	1636										
CCV05	CCV05	1639	114		106							
CCB05	CCB05	1650	107		108							

Internal Standard %RI Limit: 70 -130

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

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1234	100									
S2	S2	1248	99									
S3	S3	1251	101									
S4	S4	1254	101									
S5	S5	1257	100									
S6	S6	1300	103									
S7	S7	1303	101									
S8	S8	1306	96									
ICV01	ICV01	1322	103									
LLICV01	LLICV01	1340	103									
ICB01	ICB01	1343	103									
ICSA01	ICSA01	1346	102									
ICSAB01	ICSAB01	1350	104									
CCV01	CCV01	1353	101									
CCB01	CCB01	1356	102									
CRI	CRI	1403	103									
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	101									
CCB02	CCB02	1444	101									
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
ZZZZZZ	ZZZZZZ	1500										
Q2842-03DUP	MW-17B-55.5-	1503	114									
Q2842-03L	MW-17B-55.5-	1506	105									
Q2842-04	MW-17B-55.5-	1509	114									

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
Q2842-05	MW-17B-55.5-	1512	113									
Q2842-03A	MW-17B-55.5-	1515	113									
ZZZZZZ	ZZZZZZ	1518										
CCV03	CCV03	1521	100									
CCB03	CCB03	1524	100									
Q2842-10	MW-17B-55.5-	1527	116									
Q2842-11	MW-17B-55.5-	1530	115									
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
Q2869-01	MW-19B-71.5-	1552	120									
Q2869-02	MW-19B-71.5-	1555	116									
CCV04	CCV04	1558	106									
CCB04	CCB04	1610	106									
Q2869-05	MW-19B-71.5-	1613	118									
Q2869-06	MW-19B-71.5-	1616	116									
Q2869-07	EB01-081325	1619	119									
Q2869-08	EB01-081325	1623	116									
ZZZZZZ	ZZZZZZ	1626										
ZZZZZZ	ZZZZZZ	1629										
ZZZZZZ	ZZZZZZ	1632										
ZZZZZZ	ZZZZZZ	1636										
CCV05	CCV05	1639	110									
CCB05	CCB05	1650	108									

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: P7 Start Date : 08/21/2025

Run Number: LB136916 End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1133	100		100							
S2	S2	1139	102		104							
S3	S3	1143	101		104							
S4	S4	1146	103		106							
S5	S5	1149	103		106							
S6	S6	1152	104		105							
S7	S7	1154	106		105							
S8	S8	1157	103		98							
ICV01	ICV01	1215	99		101							
LLICV01	LLICV01	1226	99		101							
ICB01	ICB01	1229	99		102							
ICSA01	ICSA01	1233	105		103							
ICSAB01	ICSAB01	1236	106		102							
CCV01	CCV01	1239	107		104							
CCB01	CCB01	1244	101		104							
CRI	CRI	1248	103		103							
CCV02	CCV02	1340	106		102							
CCB02	CCB02	1343	102		101							
PB169250BL	PB169250BL	1346	99		99							
PB169250BS	PB169250BS	1350	104		102							
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	109		100							
CCB03	CCB03	1434	100		99							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2869

Instrument ID: P7 Start Date : 08/21/2025

Run Number: LB136916 End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1133	100									
S2	S2	1139	104									
S3	S3	1143	104									
S4	S4	1146	102									
S5	S5	1149	102									
S6	S6	1152	103									
S7	S7	1154	103									
S8	S8	1157	99									
ICV01	ICV01	1215	101									
LLICV01	LLICV01	1226	102									
ICB01	ICB01	1229	103									
ICSA01	ICSA01	1233	101									
ICSAB01	ICSAB01	1236	101									
CCV01	CCV01	1239	103									
CCB01	CCB01	1244	104									
CRI	CRI	1248	103									
CCV02	CCV02	1340	102									
CCB02	CCB02	1343	102									
PB169250BL	PB169250BL	1346	100									
PB169250BS	PB169250BS	1350	103									
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	97									
CCB03	CCB03	1434	99									

Internal Standard %RI Limit: 70 -130

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-17B-55.5-08122025L

Lab Name: Alliance **Contract:** JACO05

Lab Code: ACE **Lb No.:** lb136861 **Lab Sample ID :** Q2842-03L **SDG No.:** Q2869

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	31.8		22.0	J	31		P
Antimony	0.22	J	10.0	U	100.0		P
Arsenic	0.63	J	0.60	J	5		P
Barium	448		455		2		P
Beryllium	1.00	U	5.00	U			P
Cadmium	1.00	U	5.00	U			P
Calcium	29600		30700		4		P
Chromium	2.00	U	10.0	U			P
Cobalt	8.23		8.25		0		P
Copper	2.00	U	10.0	U			P
Iron	7590		7950		5		P
Lead	0.61	J	5.00	U	100.0		P
Magnesium	9260		9290		0		P
Manganese	618		629		2		P
Nickel	11.3		11.7		4		P
Potassium	7950		8440		6		P
Selenium	5.00	U	25.0	U			P
Silver	1.00	U	5.00	U			P
Sodium	6170		6250		1		P
Thallium	0.21	J	5.00	U	100.0		P
Vanadium	0.29	J	25.0	U	100.0		P
Zinc	3.08	J	25.0	U	100.0		P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-19B-71.5-081325L

Lab Name: Alliance **Contract:** JACO05

Lab Code: ACE **Lb No.:** lb136901 **Lab Sample ID :** Q2869-01L **SDG No.:** Q2869

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.20	U	1.00	U			CV

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metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: ACE **Sdg no.:** Q2869

Instrument id number: **Method:** **Run number:** LB136861

Start date: 08/15/2025 **End date:** 08/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1234	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1248	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1251	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1254	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1257	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1300	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1303	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1306	Fe,Al,Ca,K,Mg,Na
ICV01	ICV01	1	1322	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1340	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1343	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1346	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1350	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1353	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1356	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1403	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1441	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1444	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-03DUP	MW-17B-55.5-08122025DUP	1	1503	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-03L	MW-17B-55.5-08122025L	5	1506	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-04	MW-17B-55.5-08122025MS	1	1509	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-05	MW-17B-55.5-08122025MSD	1	1512	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-03A	MW-17B-55.5-08122025A	1	1515	Ag
CCV03	CCV03	1	1521	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1524	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-10	MW-17B-55.5-08122025MS	1	1527	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-11	MW-17B-55.5-08122025MSD	1	1530	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2869-01	MW-19B-71.5-081325	1	1552	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2869-02	MW-19B-71.5-081325	1	1555	Fe
CCV04	CCV04	1	1558	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1610	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2869-05	MW-19B-71.5-081325-FD	1	1613	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2869-06	MW-19B-71.5-081325-FD	1	1616	Fe
Q2869-07	EB01-081325	1	1619	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2869-08	EB01-081325	1	1623	Fe
CCV05	CCV05	1	1639	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1650	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: ACE **Sdg no.:** Q2869

Instrument id number: **Method:** **Run number:** LB136901

Start date: 08/21/2025 **End date:** 08/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0841	HG
S0.2	S0.2	1	0844	HG
S2.5	S2.5	1	0846	HG
S5	S5	1	0848	HG
S7.5	S7.5	1	0851	HG
S10	S10	1	0856	HG
ICV27	ICV27	1	0859	HG
ICB27	ICB27	1	0901	HG
CCV84	CCV84	1	0903	HG
CCB84	CCB84	1	0905	HG
CRA	CRA	1	0908	HG
PB169327BL	PB169327BL	1	0914	HG
PB169327BS	PB169327BS	1	0919	HG
Q2869-01	MW-19B-71.5-081325	1	0922	HG
Q2869-01DUP	MW-19B-71.5-081325DUP	1	0924	HG
Q2869-01MS	MW-19B-71.5-081325MS	1	0926	HG
Q2869-01MSD	MW-19B-71.5-081325MSD	1	0931	HG
Q2869-05	MW-19B-71.5-081325-FD	1	0933	HG
CCV85	CCV85	1	0936	HG
CCB85	CCB85	1	0938	HG
Q2869-07	EB01-081325	1	0940	HG
Q2869-01L	MW-19B-71.5-081325L	5	1002	HG
CCV86	CCV86	1	1012	HG
CCB86	CCB86	1	1014	HG

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metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: ACE **Sdg no.:** Q2869

Instrument id number: **Method:** **Run number:** LB136916

Start date: 08/21/2025 **End date:** 08/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1133	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1139	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1143	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1146	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1149	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1152	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1154	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1157	Fe,Al,Ca,K,Mg,Na
ICV01	ICV01	1	1215	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1226	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1229	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1233	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1236	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1239	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1244	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1248	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1340	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1343	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169250BL	PB169250BL	1	1346	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169250BS	PB169250BS	1	1350	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	1432	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1434	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1512	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1518	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

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

LAB CHRONICLE

OrderID:	Q2869	**OrderDate:**	8/14/2025 9:15:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	J31,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2869-01	**MW-19B-71.5-081325**	**Water**			**08/13/25**			**08/13/25**
			Mercury	7470A		08/20/25	08/21/25	
			Metals ICP-TAL	6020B		08/14/25	08/15/25	
Q2869-02	**MW-19B-71.5-081325**	**Water**			**08/13/25**			**08/13/25**
			Dissolved ICP-Group2	6020B		08/14/25	08/15/25	
Q2869-05	**MW-19B-71.5-081325 -FD**	**Water**			**08/13/25**			**08/13/25**
			Mercury	7470A		08/20/25	08/21/25	
			Metals ICP-TAL	6020B		08/14/25	08/15/25	
Q2869-06	**MW-19B-71.5-081325 -FD**	**Water**			**08/13/25**			**08/13/25**
			Dissolved ICP-Group2	6020B		08/14/25	08/15/25	
Q2869-07	**EB01-081325**	**Water**			**08/13/25**			**08/13/25**
			Mercury	7470A		08/20/25	08/21/25	
			Metals ICP-TAL	6020B		08/14/25	08/15/25	
Q2869-08	**EB01-081325**	**Water**			**08/13/25**			**08/13/25**
			Dissolved ICP-Group2	6020B		08/14/25	08/15/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169250**						
PB169250BL	PB169250BL	MB	WATER	08/14/2025	50.0	50.0	
PB169250BS	PB169250BS	LCS	WATER	08/14/2025	50.0	50.0	
Q2842-03DUP	MW-17B-55.5-08122025DUP	DUP	WATER	08/14/2025	50.0	50.0	
Q2842-04	MW-17B-55.5-08122025MS	MS	WATER	08/14/2025	50.0	50.0	
Q2842-05	MW-17B-55.5-08122025MSD	MSD	WATER	08/14/2025	50.0	50.0	
Q2842-10	MW-17B-55.5-08122025MS	MS	WATER	08/14/2025	50.0	50.0	
Q2842-11	MW-17B-55.5-08122025MSD	MSD	WATER	08/14/2025	50.0	50.0	
Q2869-01	MW-19B-71.5-081325	SAM	WATER	08/14/2025	50.0	50.0	
Q2869-02	MW-19B-71.5-081325	SAM	WATER	08/14/2025	50.0	50.0	
Q2869-05	MW-19B-71.5-081325-FD	SAM	WATER	08/14/2025	50.0	50.0	
Q2869-06	MW-19B-71.5-081325-FD	SAM	WATER	08/14/2025	50.0	50.0	
Q2869-07	EB01-081325	SAM	WATER	08/14/2025	50.0	50.0	
Q2869-08	EB01-081325	SAM	WATER	08/14/2025	50.0	50.0	

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Contract: JACO05 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169327**						
PB169327BL	PB169327BL	MB	WATER	08/20/2025	30.0	30.0	
PB169327BS	PB169327BS	LCS	WATER	08/20/2025	30.0	30.0	
Q2869-01	MW-19B-71.5-081325	SAM	WATER	08/20/2025	30.0	30.0	
Q2869-01DUP	MW-19B-71.5-081325DUP	DUP	WATER	08/20/2025	30.0	30.0	
Q2869-01MS	MW-19B-71.5-081325MS	MS	WATER	08/20/2025	30.0	30.0	
Q2869-01MSD	MW-19B-71.5-081325MSD	MSD	WATER	08/20/2025	30.0	30.0	
Q2869-05	MW-19B-71.5-081325-FD	SAM	WATER	08/20/2025	30.0	30.0	
Q2869-07	EB01-081325	SAM	WATER	08/20/2025	30.0	30.0	

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136861

Review By	Janvi	Review On	8/19/2025 10:53:11 AM
Supervise By	jaswal	Supervise On	8/19/2025 12:08:39 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86751,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	MP86788
LCS Standard	
Chk Standard	MP86750,MP86748

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	08/15/25 11:48		Jaswal	OK
2	S0	S0	CAL1	08/15/25 12:34		Jaswal	OK
3	S2	S2	CAL3	08/15/25 12:48		Jaswal	OK
4	S3	S3	CAL4	08/15/25 12:51		Jaswal	OK
5	S4	S4	CAL5	08/15/25 12:54		Jaswal	OK
6	S5	S5	CAL6	08/15/25 12:57		Jaswal	OK
7	S6	S6	CAL7	08/15/25 13:00		Jaswal	OK
8	S7	S7	CAL8	08/15/25 13:03		Jaswal	OK
9	S8	S8	CAL9	08/15/25 13:06		Jaswal	OK
10	ICV01	ICV01	ICV	08/15/25 13:22		Jaswal	OK
11	LLICV01	LLICV01	LLICV	08/15/25 13:40		Jaswal	OK
12	ICB01	ICB01	ICB	08/15/25 13:43		Jaswal	OK
13	ICSA01	ICSA01	ICSA	08/15/25 13:46		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	08/15/25 13:50		Jaswal	OK
15	CCV01	CCV01	CCV	08/15/25 13:53		Jaswal	OK
16	CCB01	CCB01	CCB	08/15/25 13:56		Jaswal	OK
17	CRI	CRI	CRDL	08/15/25 14:03		Jaswal	OK
18	PB169251BL	PB169251BL	MB	08/15/25 14:10		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136861

Review By	Janvi	Review On	8/19/2025 10:53:11 AM
Supervise By	jaswal	Supervise On	8/19/2025 12:08:39 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86751,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	MP86788
LCS Standard	
Chk Standard	MP86750,MP86748

19	PB169251BS	PB169251BS	LCS	08/15/25 14:13		Jaswal	OK
20	PB169194BL	PB169194BL	MB	08/15/25 14:19		Jaswal	OK
21	PB169194BS	PB169194BS	LCS	08/15/25 14:23		Jaswal	OK
22	Q2840-01	0804-SOIL	SAM	08/15/25 14:26		Jaswal	OK
23	Q2840-01DUP	0804-SOILDUP	DUP	08/15/25 14:29		Jaswal	OK
24	Q2840-01L	0804-SOILL	SD	08/15/25 14:32		Jaswal	OK
25	Q2840-01MS	0804-SOILMS	MS	08/15/25 14:35		Jaswal	OK
26	Q2840-01MSD	0804-SOILMSD	MSD	08/15/25 14:38		Jaswal	OK
27	CCV02	CCV02	CCV	08/15/25 14:41		Jaswal	OK
28	CCB02	CCB02	CCB	08/15/25 14:44		Jaswal	OK
29	Q2840-01A	0804-SOILA	PS	08/15/25 14:50	0.1 ML OF MP86790 AND 0.2ML OF EACH MP86791,MP86792,MP86 793 IN 10ML OF SAMPLE.	Jaswal	OK
30	Q2840-02	0804-D	SAM	08/15/25 14:53		Jaswal	OK
31	Q2840-03	0804-E	SAM	08/15/25 14:56		Jaswal	OK
32	Q2842-03	MW-17B-55.5-081225	SAM	08/15/25 15:00		Jaswal	OK
33	Q2842-03DUP	MW-17B-55.5-081225	DUP	08/15/25 15:03		Jaswal	OK
34	Q2842-03L	MW-17B-55.5-081225	SD	08/15/25 15:06		Jaswal	OK
35	Q2842-04	MW-17B-55.5-081220	MS	08/15/25 15:09		Jaswal	OK
36	Q2842-05	MW-17B-55.5-081220	MSD	08/15/25 15:12		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136861

Review By	Janvi	Review On	8/19/2025 10:53:11 AM
Supervise By	jaswal	Supervise On	8/19/2025 12:08:39 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86751,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	MP86788
LCS Standard	
Chk Standard	MP86750,MP86748

37	Q2842-03A	MW-17B-55.5-081225	PS	08/15/25 15:15	0.1 ML OF MP86790 AND 0.2ML OF EACH MP86791,MP86792,MP86793 IN 10ML OF SAMPLE.	Jaswal	OK
38	Q2842-09	MW-17B-55.5-081225	SAM	08/15/25 15:18		Jaswal	OK
39	CCV03	CCV03	CCV	08/15/25 15:21		Jaswal	OK
40	CCB03	CCB03	CCB	08/15/25 15:24		Jaswal	OK
41	Q2842-10	MW-17B-55.5-081220	MS	08/15/25 15:27		Jaswal	OK
42	Q2842-11	MW-17B-55.5-081220	MSD	08/15/25 15:30		Jaswal	OK
43	Q2849-01DL	BUR-25-0071DL	SAM	08/15/25 15:32	5X Report Straight Dilution	Jaswal	OK
44	Q2856-01	#452	SAM	08/15/25 15:36	Fe is High	Jaswal	Dilution
45	Q2856-03DL	#456DL	SAM	08/15/25 15:39	K is high ,5XReport Straight Dilution	Jaswal	Dilution
46	Q2865-03DL	LAW-25-0109DL	SAM	08/15/25 15:42	K is high , 5XReport Straight Dilution	Jaswal	Dilution
47	Q2867-01DL	Tre-2005DL	SAM	08/15/25 15:45	5XReport Straight Dilution	Jaswal	OK
48	Q2867-02DL	Tre-2006DL	SAM	08/15/25 15:49	5XReport Straight Dilution	Jaswal	OK
49	Q2869-01	MW-19B-71.5-081325	SAM	08/15/25 15:52		Jaswal	OK
50	Q2869-02	MW-19B-71.5-081325	SAM	08/15/25 15:55		Jaswal	OK
51	CCV04	CCV04	CCV	08/15/25 15:58		Jaswal	OK
52	CCB04	CCB04	CCB	08/15/25 16:10		Jaswal	OK
53	Q2869-05	MW-19B-71.5-081325	SAM	08/15/25 16:13		Jaswal	OK
54	Q2869-06	MW-19B-71.5-081325	SAM	08/15/25 16:16		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136861

Review By	Janvi	Review On	8/19/2025 10:53:11 AM
Supervise By	jaswal	Supervise On	8/19/2025 12:08:39 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86751,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	MP86788
LCS Standard	
Chk Standard	MP86750,MP86748

55	Q2869-07	EB01-081325	SAM	08/15/25 16:19		Jaswal	OK
56	Q2869-08	EB01-081325	SAM	08/15/25 16:23		Jaswal	OK
57	Q2840-03DL	0804-EDL	SAM	08/15/25 16:26	Not use	Jaswal	Not Ok
58	Q2856-01DL	#452DL	SAM	08/15/25 16:29	2X for Fe	Jaswal	Confirms
59	Q2856-03DL2	#456DL2	SAM	08/15/25 16:32	25X for K , Report Straight Dilution	Jaswal	Confirms
60	Q2865-03DL2	LAW-25-0109DL2	SAM	08/15/25 16:36	25X for K , Report Straight Dilution	Jaswal	Confirms
61	CCV05	CCV05	CCV	08/15/25 16:39		Jaswal	OK
62	CCB05	CCB05	CCB	08/15/25 16:50		Jaswal	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136901

Review By	jaswal	Review On	8/21/2025 9:25:37 PM
Supervise By	mohan	Supervise On	8/26/2025 9:41:32 AM

STD. NAME	STD REF.#
ICAL Standard	MP86848,MP86849,MP86850,MP86851,MP86852,MP86853
ICV Standard	MP86854
CCV Standard	MP86856
ICSA Standard	
CRI Standard	MP86858
LCS Standard	
Chk Standard	MP86855,MP86857,,MP868,MP86859,MP86872

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/21/25 08:41		MOHAN	OK
2	S0.2	S0.2	CAL2	08/21/25 08:44		MOHAN	OK
3	S2.5	S2.5	CAL3	08/21/25 08:46		MOHAN	OK
4	S5	S5	CAL4	08/21/25 08:48		MOHAN	OK
5	S7.5	S7.5	CAL5	08/21/25 08:51		MOHAN	OK
6	S10	S10	CAL6	08/21/25 08:56		MOHAN	OK
7	ICV27	ICV27	ICV	08/21/25 08:59		MOHAN	OK
8	ICB27	ICB27	ICB	08/21/25 09:01		MOHAN	OK
9	CCV84	CCV84	CCV	08/21/25 09:03		MOHAN	OK
10	CCB84	CCB84	CCB	08/21/25 09:05		MOHAN	OK
11	CRA	CRA	CRDL	08/21/25 09:08		MOHAN	OK
12	HighStd	HighStd	HIGH STD	08/21/25 09:10		MOHAN	OK
13	ChkStd	ChkStd	SAM	08/21/25 09:12		MOHAN	OK
14	PB169327BL	PB169327BL	MB	08/21/25 09:14		MOHAN	OK
15	PB169327BS	PB169327BS	LCS	08/21/25 09:19		MOHAN	OK
16	Q2869-01	MW-19B-71.5-081325	SAM	08/21/25 09:22		MOHAN	OK
17	Q2869-01DUP	MW-19B-71.5-081325	DUP	08/21/25 09:24		MOHAN	OK
18	Q2869-01MS	MW-19B-71.5-081325	MS	08/21/25 09:26		MOHAN	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136901

Review By	jaswal	Review On	8/21/2025 9:25:37 PM
Supervise By	mohan	Supervise On	8/26/2025 9:41:32 AM

STD. NAME	STD REF.#
ICAL Standard	MP86848,MP86849,MP86850,MP86851,MP86852,MP86853
ICV Standard	MP86854
CCV Standard	MP86856
ICSA Standard	
CRI Standard	MP86858
LCS Standard	
Chk Standard	MP86855,MP86857,,MP868,MP86859,MP86872

19	Q2869-01MSD	MW-19B-71.5-081325	MSD	08/21/25 09:31		MOHAN	OK
20	Q2869-05	MW-19B-71.5-081325	SAM	08/21/25 09:33		MOHAN	OK
21	CCV85	CCV85	CCV	08/21/25 09:36		MOHAN	OK
22	CCB85	CCB85	CCB	08/21/25 09:38		MOHAN	OK
23	Q2869-07	EB01-081325	SAM	08/21/25 09:40		MOHAN	OK
24	Q2878-01	MW-18B-57.5-081325	SAM	08/21/25 09:43		MOHAN	OK
25	Q2890-01	60296	SAM	08/21/25 09:45		MOHAN	OK
26	Q2890-02	60295	SAM	08/21/25 09:47		MOHAN	OK
27	Q2890-03	60272	SAM	08/21/25 09:49		MOHAN	OK
28	Q2906-01	3409	SAM	08/21/25 09:52		MOHAN	OK
29	Q2909-03	4066	SAM	08/21/25 09:54		MOHAN	OK
30	Q2909-04	4067	SAM	08/21/25 09:56		MOHAN	OK
31	Q2869-01L	MW-19B-71.5-081325	SD	08/21/25 10:02		MOHAN	OK
32	Q2869-01A	MW-19B-71.5-081325	PS	08/21/25 10:07		MOHAN	OK
33	CCV86	CCV86	CCV	08/21/25 10:12		MOHAN	OK
34	CCB86	CCB86	CCB	08/21/25 10:14		MOHAN	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136916

Review By	Janvi	Review On	8/25/2025 10:29:28 AM
Supervise By	jaswal	Supervise On	8/25/2025 3:50:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86863,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	
LCS Standard	
Chk Standard	MP86750,MP86748

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	08/21/25 10:59		Jaswal	OK
2	S0	S0	CAL1	08/21/25 11:33		Jaswal	OK
3	S2	S2	CAL3	08/21/25 11:39		Jaswal	OK
4	S3	S3	CAL4	08/21/25 11:43		Jaswal	OK
5	S4	S4	CAL5	08/21/25 11:46		Jaswal	OK
6	S5	S5	CAL6	08/21/25 11:49		Jaswal	OK
7	S6	S6	CAL7	08/21/25 11:52		Jaswal	OK
8	S7	S7	CAL8	08/21/25 11:54		Jaswal	OK
9	S8	S8	CAL9	08/21/25 11:57		Jaswal	OK
10	ICV01	ICV01	ICV	08/21/25 12:15		Jaswal	OK
11	LLICV01	LLICV01	LLICV	08/21/25 12:26		Jaswal	OK
12	ICB01	ICB01	ICB	08/21/25 12:29		Jaswal	OK
13	ICSA01	ICSA01	ICSA	08/21/25 12:33		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	08/21/25 12:36		Jaswal	OK
15	CCV01	CCV01	CCV	08/21/25 12:39		Jaswal	OK
16	CCB01	CCB01	CCB	08/21/25 12:44		Jaswal	OK
17	CRI	CRI	CRDL	08/21/25 12:48		Jaswal	OK
18	Q2126-01	LOD-MDL-SOIL-03-Q	SAM	08/21/25 12:58		Jaswal	Not Ok

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136916

Review By	Janvi	Review On	8/25/2025 10:29:28 AM
Supervise By	jaswal	Supervise On	8/25/2025 3:50:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86863,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	
LCS Standard	
Chk Standard	MP86750,MP86748

19	Q2126-16	LLOQ-SOIL-QT2-202	SAM	08/21/25 13:14		Jaswal	Not Ok
20	Q2126-02	LOQ-SOIL-02-QT2-20	LOQ	08/21/25 13:20		Jaswal	Not Ok
21	Q2126-01RE	LOD-MDL-SOIL-03-Q	SAM	08/21/25 13:27		Jaswal	Not Ok
22	Q2126-07	LOD-MDL-WATER-01	SAM	08/21/25 13:30		Jaswal	Not Ok
23	Q2126-08	LOQ-WATER-02-QT2	LOQ	08/21/25 13:34		Jaswal	Not Ok
24	Q2126-08RE	LOQ-WATER-02-QT2	SAM	08/21/25 13:37		Jaswal	Not Ok
25	CCV02	CCV02	CCV	08/21/25 13:40		Jaswal	OK
26	CCB02	CCB02	CCB	08/21/25 13:43		Jaswal	OK
27	PB169250BL	PB169250BL	MB	08/21/25 13:46		Jaswal	OK
28	PB169250BS	PB169250BS	LCS	08/21/25 13:50		Jaswal	OK
29	PB169323BL	PB169323BL	MB	08/21/25 13:52		Jaswal	OK
30	PB169323BS	PB169323BS	LCS	08/21/25 13:56		Jaswal	OK
31	Q2878-01	MW-18B-57.5-081325	SAM	08/21/25 13:58		Jaswal	OK
32	Q2878-01DUP	MW-18B-57.5-081325	DUP	08/21/25 14:02		Jaswal	OK
33	Q2878-01L	MW-18B-57.5-081325	SD	08/21/25 14:05		Jaswal	OK
34	Q2878-01MS	MW-18B-57.5-081325	MS	08/21/25 14:08		Jaswal	OK
35	Q2878-01MSD	MW-18B-57.5-081325	MSD	08/21/25 14:11		Jaswal	OK
36	Q2878-01A	MW-18B-57.5-081325	PS	08/21/25 14:14	0.1 ML OF MP86790 AND 0.2ML OF EACH MP86791,MP86792 AND MP86793 IN 10ML SAMPLE.	Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136916

Review By	Janvi	Review On	8/25/2025 10:29:28 AM
Supervise By	jaswal	Supervise On	8/25/2025 3:50:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86863,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	
LCS Standard	
Chk Standard	MP86750,MP86748

37	CCV03	CCV03	CCV	08/21/25 14:32		Jaswal	OK
38	CCB03	CCB03	CCB	08/21/25 14:34		Jaswal	OK
39	Q2878-02	MW-18B-57.5-081325	SAM	08/21/25 14:39		Jaswal	OK
40	Q2890-01DL	60296DL	SAM	08/21/25 14:42		Jaswal	OK
41	Q2890-02DL	60295DL	SAM	08/21/25 14:45	Fe,Mn high	Jaswal	Dilution
42	Q2890-03DL	60272DL	SAM	08/21/25 14:48	K high	Jaswal	Dilution
43	Q2906-01DL	3409DL	SAM	08/21/25 14:51		Jaswal	OK
44	Q2890-02DL2	60295DL2	SAM	08/21/25 15:06	25X for Fe, Mn	Jaswal	Confirms
45	Q2890-03DL2	60272DL2	SAM	08/21/25 15:09	25X for K	Jaswal	Confirms
46	CCV04	CCV04	CCV	08/21/25 15:12		Jaswal	OK
47	CCB04	CCB04	CCB	08/21/25 15:18		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169250

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 08/14/2025 **Time :** 14:10 **Temp :** 96 °C

End Digest Date: 08/14/2025 **Time :** 16:15 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SH

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
Spike Sol 1	0.50	MP86790
Spike Sol 2	1.00	MP86791
Spike Sol 3	1.00	MP86792
Spike Sol 4	1.00	MP86793
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 c
MP86792,MP86793,X*

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/14/25 17:15	ase1 SH met dig	Metals Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169250BL	PBW250	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	1
PB169250BS	LCS250	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	2
Q2840-03	0804-E	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	3
Q2842-03DUP	MW-17B-55.5-081225DUP	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	5
Q2842-03	MW-17B-55.5-081225	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	4
Q2842-04	Q2842-03MS	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	6
Q2842-05	Q2842-03MSD	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	7
Q2842-09	MW-17B-55.5-081225	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	8
Q2842-10	Q2842-09MS	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	9
Q2842-11	Q2842-09MSD	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	10
Q2849-01	BUR-25-0071	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	11
Q2856-01	#452	<2	50	50	Pink	Light pink	Clear	Clear	N/A	12
Q2856-03	#456	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	13
Q2865-03	LAW-25-0109	<2	50	50	Pink	Light pink	Clear	Clear	N/A	14
Q2867-01	TRE-2005	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	15
Q2867-02	TRE-2006	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	16
Q2869-01	MW-19B-71.5-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	17
Q2869-02	MW-19B-71.5-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	18
Q2869-05	MW-19B-71.5-081325-FD	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	19
Q2869-06	MW-19B-71.5-081325-FD	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	20
Q2869-07	EB01-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	21
Q2869-08	EB01-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	22

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB169327

SOP ID : M7470A-Mercury-20

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 08/20/2025 **Time :** 13:50 **Temp :** 93 °C

End Digest Date: 08/20/2025 **Time :** 15:50 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 93°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86854
CCV	30mL	MP86856
CRA	30mL	MP86858
Blank Spike	0.48mL	MP86847
Matrix Spike	0.48mL	MP86847

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
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	MP86848
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86849
2.5 ppb	S2.5	30mL	MP86850
5.0 ppb	S5.0	30mL	MP86851
7.5 ppb	S7.5	30mL	MP86852
10.0 ppb	S10.0	30mL	MP86853
ICV	ICV	30mL	MP86854
ICB	ICB	30mL	MP86855
CCV	CCV	30mL	MP86856
CCB	CCB	30mL	MP86857
CRI	CRI	30mL	MP86858
CHK STD	CHK STD	30mL	MP86859

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/20/25 10:20		
	Preparation Group	**Analysis Group**

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB169327BL	PBW327	30	30	<2	N/A	3-1
PB169327BS	LCS327	30	30	<2	MP86847	2
Q2869-01DUP	MW-19B-71.5-081325DUP	30	30	<2	N/A	4
Q2869-01MS	MW-19B-71.5-081325MS	30	30	<2	MP86847	5
Q2869-01MSD	MW-19B-71.5-081325MSD	30	30	<2	MP86847	6
Q2869-01	MW-19B-71.5-081325	30	30	<2	N/A	3
Q2869-05	MW-19B-71.5-081325-FD	30	30	<2	N/A	7
Q2869-07	EB01-081325	30	30	<2	N/A	8
Q2878-01	MW-18B-57.5-081325	30	30	<2	N/A	9
Q2890-01	60296	30	30	<2	N/A	10
Q2890-02	60295	30	30	<2	N/A	11
Q2890-03	60272	30	30	<2	N/A	12
Q2906-01	3409	30	30	<2	N/A	13
Q2909-03	4066	30	30	<2	N/A	14
Q2909-04	4067	30	30	<2	N/A	15

SAMPLE DATA

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25 11:52
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	92.4		1	1.00	2.00	mg/L		08/15/25 09:20	SM 2320 B-21
Chloride	39.0	OR	1	0.19	0.60	mg/L		08/15/25 10:12	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		08/15/25 10:12	9056A
Sulfate	211	OR	1	0.46	3.00	mg/L		08/15/25 10:12	9056A
TDS	454		1	1.00	10.0	mg/L		08/14/25 17:20	SM 2540 C-20

Comments: The alkalinity to pH 4.32=92.4 mg CaCO3/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25 11:52
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325DL	SDG No.:	Q2869
Lab Sample ID:	Q2869-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	35.7	D	10	1.90	6.00	mg/L		08/15/25 13:47	9056A
Sulfate	182	D	10	4.60	30.0	mg/L		08/15/25 13:47	9056A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25 11:55
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325-FD	SDG No.:	Q2869
Lab Sample ID:	Q2869-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	88.4		1	1.00	2.00	mg/L		08/15/25 09:21	SM 2320 B-21
Chloride	40.7	OR	1	0.19	0.60	mg/L		08/15/25 10:55	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		08/15/25 10:55	9056A
Sulfate	208	OR	1	0.46	3.00	mg/L		08/15/25 10:55	9056A
TDS	434		1	1.00	10.0	mg/L		08/14/25 17:20	SM 2540 C-20

Comments: The alkalinity to pH 4.34=88.4 mg CaCO3/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25 11:55
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	MW-19B-71.5-081325-FDDL	SDG No.:	Q2869
Lab Sample ID:	Q2869-05DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	35.6	D	10	1.90	6.00	mg/L		08/15/25 14:08	9056A
Sulfate	177	D	10	4.60	30.0	mg/L		08/15/25 14:08	9056A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25 15:00
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/13/25
Client Sample ID:	EB01-081325	SDG No.:	Q2869
Lab Sample ID:	Q2869-07	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	1.00	U	1	1.00	2.00	mg/L		08/15/25 08:52	SM 2320 B-21
Chloride	0.19	U	1	0.19	0.60	mg/L		08/15/25 11:59	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		08/15/25 11:59	9056A
Sulfate	0.46	U	1	0.46	3.00	mg/L		08/15/25 11:59	9056A
TDS	1.00	U	1	1.00	10.0	mg/L		08/14/25 17:20	SM 2540 C-20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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

Initial and Continuing Calibration Verification

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Project: Former Schlumberger STC PTC Site D3868221 **RunNo.:** LB136833

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.3	10	103	90-110	08/06/2025
Chloride	mg/L	3.2	3	107	90-110	08/06/2025
Fluoride	mg/L	2	2	100	90-110	08/06/2025
Nitrite	mg/L	3.1	3	103	90-110	08/06/2025
Nitrate	mg/L	2.6	2.5	104	90-110	08/06/2025
Sulfate	mg/L	15.4	15	103	90-110	08/06/2025
Orthophosphate as P	mg/L	5	5	100	90-110	08/06/2025
Sample ID: CCV1						
Bromide	mg/L	10.2	10	102	90-110	08/15/2025
Chloride	mg/L	3.1	3	103	90-110	08/15/2025
Fluoride	mg/L	2	2	100	90-110	08/15/2025
Nitrite	mg/L	3	3	100	90-110	08/15/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/15/2025
Sulfate	mg/L	15.2	15	101	90-110	08/15/2025
Orthophosphate as P	mg/L	5	5	100	90-110	08/15/2025
Sample ID: CCV2						
Bromide	mg/L	10.2	10	102	90-110	08/15/2025
Chloride	mg/L	3.1	3	103	90-110	08/15/2025
Fluoride	mg/L	2	2	100	90-110	08/15/2025
Nitrite	mg/L	3	3	100	90-110	08/15/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/15/2025
Sulfate	mg/L	15.2	15	101	90-110	08/15/2025
Orthophosphate as P	mg/L	4.6	5	92	90-110	08/15/2025
Sample ID: CCV3						
Bromide	mg/L	10.2	10	102	90-110	08/15/2025
Chloride	mg/L	3.1	3	103	90-110	08/15/2025
Fluoride	mg/L	2	2	100	90-110	08/15/2025
Nitrite	mg/L	3	3	100	90-110	08/15/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/15/2025
Sulfate	mg/L	15.1	15	101	90-110	08/15/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	08/15/2025

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Initial and Continuing Calibration Blank Summary

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Project: Former Schlumberger STC PTC Site D3868221 **RunNo.:** LB136833

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/06/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/15/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/15/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/15/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/15/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/15/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/15/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/15/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/15/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/15/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/15/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/15/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/15/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/15/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/15/2025
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/15/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/15/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/15/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/15/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/15/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/15/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/15/2025

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

Preparation Blank Summary

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Project: Former Schlumberger STC PTC Site D3868221

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136833BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/15/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/15/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/15/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/15/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/15/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/15/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/15/2025
Sample ID: LB136835BL							
TDS	mg/L	< 5.0000	5.0000	U	1.0	10	08/14/2025
Sample ID: LB136847BLW							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	08/15/2025
Sample ID: LB136848BL							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	08/15/2025

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Fax : 908 789 8922

Matrix Spike Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2869
Project: Former Schlumberger STC PTC Site D3868221
Sample ID: Q2878-01
Client ID: MW-18B-57.5-081325MS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.5		0.37	U	10	1	105		08/15/2025
Chloride	mg/L	80-120	21.6	OR	19.0	OR	3	1	87		08/15/2025
Fluoride	mg/L	80-120	2.30		0.23	J	2	1	104		08/15/2025
Nitrite	mg/L	80-120	3.10		0.074	U	3	1	103		08/15/2025
Nitrate	mg/L	80-120	2.60		0.095	U	2.5	1	104		08/15/2025
Sulfate	mg/L	80-120	168	OR	156	OR	15	1	80		08/15/2025
Orthophosphate as P	mg/L	80-120	8.30		0.34	U	5	1	166	*	08/15/2025

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Fax : 908 789 8922

Matrix Spike Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2869
Project: Former Schlumberger STC PTC Site D3868221
Sample ID: Q2878-01
Client ID: MW-18B-57.5-081325MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.2		0.37	U	10	1	102		08/15/2025
Chloride	mg/L	80-120	21.4	OR	19.0	OR	3	1	80		08/15/2025
Fluoride	mg/L	80-120	2.20		0.23	J	2	1	99		08/15/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		08/15/2025
Nitrate	mg/L	80-120	2.50		0.095	U	2.5	1	100		08/15/2025
Sulfate	mg/L	80-120	168	OR	156	OR	15	1	80		08/15/2025
Orthophosphate as P	mg/L	80-120	6.80		0.34	U	5	1	136	*	08/15/2025

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Fax : 908 789 8922

Duplicate Sample Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2869
Project: Former Schlumberger STC PTC Site D3868221
Sample ID: Q2842-03
Client ID: MW-17B-55.5-081225DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TDS	mg/L	+/-5	197		196		1	0.51		08/14/2025
Alkalinity	mg/L	+/-20	88.2		87.6		1	1		08/15/2025

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Duplicate Sample Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2869
Project: Former Schlumberger STC PTC Site D3868221
Sample ID: Q2869-07
Client ID: EB01-081325DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Alkalinity	mg/L	+/-20	1.00	U	1.00	U	1	0		08/15/2025

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Duplicate Sample Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2869
Project: Former Schlumberger STC PTC Site D3868221
Sample ID: Q2878-01
Client ID: MW-18B-57.5-081325MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Sulfate	mg/L	+/-15	168	OR	168	OR	1	0		08/15/2025
Chloride	mg/L	+/-15	21.6	OR	21.4	OR	1	1		08/15/2025
Orthophosphate as P	mg/L	+/-15	8.30		6.80		1	20		08/15/2025
Bromide	mg/L	+/-15	10.5		10.2		1	3		08/15/2025
Nitrite	mg/L	+/-15	3.10		3.00		1	3		08/15/2025
Fluoride	mg/L	+/-15	2.30		2.20		1	4		08/15/2025
Nitrate	mg/L	+/-15	2.60		2.50		1	4		08/15/2025

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Laboratory Control Sample Summary

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2869

Project: Former Schlumberger STC PTC Site D3868221 **Run No.:** LB136833

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136833BSW								
Bromide	mg/L	10	10.2		102	1	90-110	08/15/2025
Chloride	mg/L	3	3.10		103	1	90-110	08/15/2025
Fluoride	mg/L	2	2.00		100	1	90-110	08/15/2025
Nitrite	mg/L	3	3.00		100	1	90-110	08/15/2025
Nitrate	mg/L	2.5	2.50		100	1	90-110	08/15/2025
Sulfate	mg/L	15	15.3		102	1	90-110	08/15/2025
Orthophosphate as P	mg/L	5	5.10		102	1	90-110	08/15/2025

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Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	**SDG No.:**	Q2869
Project:	Former Schlumberger STC PTC Site D3868221	**Run No.:**	LB136835

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136835BS								
TDS	mg/L	100	95.0		95	1	90-110	08/14/2025

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Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	**SDG No.:**	Q2869
Project:	Former Schlumberger STC PTC Site D3868221	**Run No.:**	LB136847

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136847BSW								
Alkalinity	mg/L	50	53.4		107	1	80-120	08/15/2025

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Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	**SDG No.:**	Q2869
Project:	Former Schlumberger STC PTC Site D3868221	**Run No.:**	LB136848

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136848BS								
Alkalinity	mg/L	50	45.2		90	1	80-120	08/15/2025

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136833

Review By	rubina	Review On	8/19/2025 5:04:52 PM
Supervise By	Sohil	Supervise On	8/20/2025 11:21:28 AM
SubDirectory	LB136833	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114185,WP114186,WP114187,WP114188,WP114189,WP114190,WP114191
ICV Standard	WP114192
CCV Standard	WP114307
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114308
Chk Standard	WP114193,WP114194

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	08/06/25 10:18	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	08/06/25 10:40	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	08/06/25 11:01	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	08/06/25 11:23		RM/IZ	OK
5	STD5	STD5	CAL5	08/06/25 11:44		RM/IZ	OK
6	STD6	STD6	CAL6	08/06/25 12:06		RM/IZ	OK
7	STD7	STD7	CAL7	08/06/25 12:27		RM/IZ	OK
8	ICV1	ICV1	ICV	08/06/25 12:48		RM/IZ	OK
9	ICB1	ICB1	ICB	08/06/25 13:10		RM/IZ	OK
10	CCV1	CCV1	CCV	08/15/25 08:46		RM/IZ	OK
11	CCB1	CCB1	CCB	08/15/25 09:07		RM/IZ	OK
12	LB136833BLW	LB136833BLW	MB	08/15/25 09:29		RM/IZ	OK
13	LB136833BSW	LB136833BSW	LCS	08/15/25 09:50		RM/IZ	OK
14	Q2869-01	MW-19B-71.5-081325	SAM	08/15/25 10:12	Cl,SO4 is high	RM/IZ	Dilution
15	Q2869-05	MW-19B-71.5-081325	SAM	08/15/25 10:55	Cl,SO4 is high	RM/IZ	Dilution
16	Q2869-07	EB01-081325	SAM	08/15/25 11:59		RM/IZ	OK
17	Q2878-01	MW-18B-57.5-081325	SAM	08/15/25 12:42	Cl,SO4 is high	RM/IZ	Dilution
18	Q2878-01MS	MW-18B-57.5-081325	MS	08/15/25 13:04	9.5ml of sample, 0.5mL W3092	RM/IZ	OK

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136833

Review By	rubina	Review On	8/19/2025 5:04:52 PM
Supervise By	Sohil	Supervise On	8/20/2025 11:21:28 AM
SubDirectory	LB136833	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114185,WP114186,WP114187,WP114188,WP114189,WP114190,WP114191
ICV Standard	WP114192
CCV Standard	WP114307
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114308
Chk Standard	WP114193,WP114194

19	Q2878-01MSD	MW-18B-57.5-081325	MSD	08/15/25 13:25	9.5ml of sample, 0.5mL W3092	RM/IZ	OK
20	Q2869-01DL	MW-19B-71.5-081325	SAM	08/15/25 13:47	10X For Cl,SO4	RM/IZ	Confirms
21	Q2869-05DL	MW-19B-71.5-081325	SAM	08/15/25 14:08	10X For Cl,SO4	RM/IZ	Confirms
22	CCV2	CCV2	CCV	08/15/25 14:30		RM/IZ	OK
23	CCB2	CCB2	CCB	08/15/25 14:51		RM/IZ	OK
24	Q2878-01DL	MW-18B-57.5-081325	SAM	08/15/25 15:13	10X For Cl,SO4	RM/IZ	Confirms
25	CCV3	CCV3	CCV	08/15/25 15:56		RM/IZ	OK
26	CCB3	CCB3	CCB	08/15/25 16:17		RM/IZ	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB136835

Review By	jignesh	Review On	8/15/2025 12:01:25 PM
Supervise By	rubina	Supervise On	8/15/2025 12:31:13 PM
SubDirectory	LB136835	Test	TDS

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB136835BL	LB136835BL	MB	08/14/25 17:20		jignesh	OK
2	LB136835BS	LB136835BS	LCS	08/14/25 17:20		jignesh	OK
3	Q2842-03	MW-17B-55.5-081220	SAM	08/14/25 17:20		jignesh	OK
4	Q2842-03DUP	MW-17B-55.5-081220	DUP	08/14/25 17:20		jignesh	OK
5	Q2860-01	TOWER#1	SAM	08/14/25 17:20		jignesh	OK
6	Q2860-02	TOWER#2	SAM	08/14/25 17:20		jignesh	OK
7	Q2869-01	MW-19B-71.5-081325	SAM	08/14/25 17:20		jignesh	OK
8	Q2869-05	MW-19B-71.5-081325	SAM	08/14/25 17:20		jignesh	OK
9	Q2869-07	EB01-081325	SAM	08/14/25 17:20		jignesh	OK
10	Q2878-01	MW-18B-57.5-081325	SAM	08/14/25 17:20		jignesh	OK

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Fax : 908 789 8922

Instrument ID: TITRATOR

Daily Analysis Runlog For Sequence/QCBatch ID # LB136847

Review By	Eman	Review On	8/19/2025 4:34:43 PM
Supervise By	Sohil	Supervise On	8/20/2025 11:21:54 AM
SubDirectory	LB136847	Test	Alkalinity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114306
Chk Standard	W3217,W3178,W3150

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB136847BLW	LB136847BLW	MB	08/15/25 09:05	pH=3.78	Eman	OK
2	LB136847BSW	LB136847BSW	LCS	08/15/25 09:09	pH=4.46	Eman	OK
3	Q2842-03	MW-17B-55.5-081220	SAM	08/15/25 09:13	pH=4.42	Eman	OK
4	Q2842-03DUP	MW-17B-55.5-081220	DUP	08/15/25 09:17	pH=4.38	Eman	OK
5	Q2869-01	MW-19B-71.5-081325	SAM	08/15/25 09:20	pH=4.32	Eman	OK
6	Q2869-05	MW-19B-71.5-081325	SAM	08/15/25 09:21	pH=4.34	Eman	OK
7	Q2878-01	MW-18B-57.5-081325	SAM	08/15/25 09:25	pH=4.40	Eman	OK

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Instrument ID: TITRATOR

Daily Analysis Runlog For Sequence/QCBatch ID # LB136848

Review By	Eman	Review On	8/18/2025 11:50:23 AM
Supervise By	jignesh	Supervise On	8/18/2025 1:19:47 PM
SubDirectory	LB136848	Test	Alkalinity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP114306,W3150

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB136848BL	LB136848BL	MB	08/15/25 08:45		Eman	OK
2	LB136848BS	LB136848BS	LCS	08/15/25 08:49		Eman	OK
3	Q2869-07	EB01-081325	SAM	08/15/25 08:52		Eman	OK
4	Q2869-07DUP	EB01-081325DUP	DUP	08/15/25 08:56		Eman	OK

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LAB CHRONICLE

OrderID:	Q2869	**OrderDate:**	8/14/2025 9:15:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	J31,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2869-01	**MW-19B-71.5-081325**	**WATER**			**08/13/25 11:52**			**08/13/25**
			Alkalinity	SM2320 B			08/15/25 09:20	
			Anions Group1	9056A			08/15/25 10:12	
			TDS	SM2540 C			08/14/25 17:20	
Q2869-01DL	**MW-19B-71.5-081325 DL**	**WATER**			**08/13/25 11:52**			**08/13/25**
			Anions Group1	9056A			08/15/25 13:47	
Q2869-05	**MW-19B-71.5-081325 -FD**	**WATER**			**08/13/25 11:55**			**08/13/25**
			Alkalinity	SM2320 B			08/15/25 09:21	
			Anions Group1	9056A			08/15/25 10:55	
			TDS	SM2540 C			08/14/25 17:20	
Q2869-05DL	**MW-19B-71.5-081325 -FDDL**	**WATER**			**08/13/25 11:55**			**08/13/25**
			Anions Group1	9056A			08/15/25 14:08	
Q2869-07	**EB01-081325**	**Water**			**08/13/25 15:00**			**08/13/25**
			Alkalinity	SM2320 B			08/15/25 08:52	

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LAB CHRONICLE

Anions Group1	9056A	08/15/25 11:59
TDS	SM2540 C	08/14/25 17:20

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q2869
QUOTE NO.
COC Number 2047200

9
9.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite #100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John. Yntante
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT 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 2 (Results + QC)
- ☒ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1. Site specific VOCs (8260B) - Low
2. 1,4 Dioxane (8270E - SIM)
3. Total Metals (6020B)
4. Dissolved Iron (6020B)
5. Alkalinity (SM2320B)
6. TDS (SM2540C)
7. Anions (9056)
8. Private VOCs (SFAM01.1-SIM)
9.

PRESERVATIVES

1	2	3	4	5	6	7	8	9
A/E	E	B/E	E	E	E	E	A/E	

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW-19B-71.5-081325	GW		X	8/13/25	1152	8	X	X	X	X	X	X	X	~~X~~	TA	
2.	MW-01-6.5-081325	GW		X	8/13/25	1110	4	X	X								
3.	MW-11A-13.5-081325	GW		X	8/13/25	1510	4	X	X								
4.	MW-19B-71.5-081325-FD	GW		X	8/13/25	1155	8	X	X	X	X	X	X	X			
5.	EB01-081325	DI		X	8/13/25	1500	9	X	X	X	X	X	X	X			
6.	MW-19B-71.5-081325-SIM	GW		X	8/13/25	1158	2								X		
7.	EB02-081325	DI		X	8/13/25	1600	4	X	X								
8.	TB01-081325	DI		X	8/13/25	1605	2	X									
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	9/13/25 1645	1.	8-13-25 1645
2.		2.	
3.	8-13-25 1810	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: See work order for list of site specific VOCs
EB01 Dissolved iron bottles are preserved w/ HN03, the other diss iron samples are un preserved

Page 1 of 1
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

From: Yazmeen Gomez
Sent: Wednesday, August 27, 2025 11:27 AM
To: Ynfante, John
Subject: Q2869 & Q2878
Attachments: Q2869-01(100X).pdf; Q2869-05dup(40x).pdf; Q2878-01.pdf

John,

Please see below from the lab -

Q2869-01 (MW-19B-71.5-081325)100X
Q2869-05(MW-19B-71.5-081325-DUP) 40X

Lab has analyzed samples at straight dilution to avoid any contamination to the instrument.

Sample has high hits of analytes and requested for sim analysis also Q2869-09(MW-19B-71.5-081325-SIM) Which is not possible to analyze for the sample.

Q2878-01(MW-18B-57.5-081325) sample analyzed straight without any dilution, and the sample need dilution for some analytes, also has high hit for Vinyl Chloride which is SIM target analyte

Q2878-03(MW-18B-57.5-081325-SIM) will need to be cancelled.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

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	TX-C25-00189
Virginia	460312

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

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9.4

DP 08/15/2025

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2869 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 8/14/2025 9:15:00 AM
Project Name : Former Schlumberger STC
Receive DateTime : 8/13/2025 6:18:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level 4~~ Level 3
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2869-01	MW-19B-71.5-081325	Water	08/13/2025	11:52	VOCMS Group3		8260-Low		10 Bus. Days
Q2869-03	MW-01-6.5-081325	Water	08/13/2025	~~15:10~~ 11:10	VOCMS Group3		8260-Low		10 Bus. Days
Q2869-04	MA-11A-13.5-081325	Water	08/13/2025	~~11:55~~ 15:10	VOCMS Group3		8260-Low		10 Bus. Days
Q2869-05	MW-19B-71.5-081325-FD	Water	08/13/2025	~~15:00~~ 11:55	VOCMS Group3		8260-Low		10 Bus. Days
Q2869-07	EB01-081325	Water	08/13/2025	~~16:00~~ 15:00	VOCMS Group3		8260-Low		10 Bus. Days
Q2869-09	MW-19B-71.5-081325-SIM	Water	08/13/2025	11:58	VOC-SIM		SFAM_VOCSIM		10 Bus. Days
Q2869-10	EB02-081325	Water	08/13/2025	16:00	VOCMS Group3		8260-Low		10 Bus. Days
Q2869-11	TB01-081325	Water	08/13/2025	16:05					

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LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group3		8260-Low		10 Bus. Days

Relinguished By : [signature]
Date / Time : 8/14/25 1020

Received By : Sam
Date / Time : 8/14/25 10:20

Storage Area : VOA Refridgerator Room