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

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 : Q2878

ATTENTION : John Ynfante

Laboratory Certification ID # 20012

Table Of Contents for Q2878

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) : Q2878 Sampling Date(s) : 8/13/2025,08/14/2025

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

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

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

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

Cover Page

Order ID : Q2878

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q2878-01	MW-18B-57.5-081325
Q2878-02	MW-18B-57.5-081325
Q2878-05	MW-11A-37.5-081425
Q2878-06	TB01-081425

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

Signature : _____ Date: 8/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2878
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
3 Water samples were received on 08/14/2025.

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 performed on instrument MSVOA_X were done using GC column 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.

Sample MW-11A-37.5-081425 was run at straight dilution after checking past history of this sample containing high amounts of compounds cis-1,2-Dichloroethene and Trichloroethene.

Sample MW-18B-57.5-081325 was diluted due to high concentration.

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

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

The SIM analysis is not required for the sample MW-18B-57.5-081325-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."

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

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

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

Signature_____

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

CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2878
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
5 Water samples were received on 08/14/2025.

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 SVOC-SIMGroup1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_N using GC Column ZB-Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-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 met the acceptable criteria except for MW-11A-37.5-081425DL [Terphenyl-d14 - 135%], this compound did not meet the NJDKQP criteria but met the in-house criteria.

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

Sample MW-11A-37.5-081425 was diluted due to high concentration.

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

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

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

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

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_____

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

CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2878
Test Name: Dissolved ICP-Group2,Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
5 Water samples were received on 08/14/2025.

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-18B-57.5-081325MS) analysis met criteria for all compounds except for Calcium, Potassium and Silver due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (MW-18B-57.5-081325MSD) 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-18B-57.5-081325A) 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 Q2878-01 was analyzed as Total Metal and Sample Q2878-02 was 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.

Signature_____

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

CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2878
Test Name: Alkalinity,Anions Group1,TDS

A. Number of Samples and Date of Receipt:
1 Water sample was received on 08/14/2025.

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-18B-57.5-081325 was diluted due to high concentrations for Chloride and 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_____

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

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

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2878

	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:** 08/28/2025

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

Hit Summary Sheet
SW-846

SDG No.: Q2878

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW-18B-57.5-081325**							
Q2878-01	MW-18B-57.5-0813	Water	Vinyl Chloride	55.1		0.26	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	1,1-Dichloroethene	8.60		0.23	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	1,1-Dichloroethane	8.00		0.23	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	cis-1,2-Dichloroethene	900	E	0.19	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	Benzene	1.60		0.15	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	1,2-Dichloroethane	1.60		0.22	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	Trichloroethene	160	E	0.090	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	Tetrachloroethene	0.95	J	0.23	1.00	ug/L
			Total Voc :	1140				
			Total Concentration:	1140				
Client ID:	**MW-18B-57.5-081325DL**							
Q2878-01DL	MW-18B-57.5-0813	Water	Vinyl Chloride	50.0	D	2.60	10.0	ug/L
Q2878-01DL	MW-18B-57.5-0813	Water	1,1-Dichloroethene	7.60	JD	2.30	10.0	ug/L
Q2878-01DL	MW-18B-57.5-0813	Water	1,1-Dichloroethane	6.80	JD	2.30	10.0	ug/L
Q2878-01DL	MW-18B-57.5-0813	Water	cis-1,2-Dichloroethene	810	D	1.90	10.0	ug/L
Q2878-01DL	MW-18B-57.5-0813	Water	Benzene	6.30	JD	1.50	10.0	ug/L
Q2878-01DL	MW-18B-57.5-0813	Water	Trichloroethene	150	D	0.93	10.0	ug/L
			Total Voc :	1030				
			Total Concentration:	1030				
Client ID:	**MW-11A-37.5-081425**							
Q2878-05	MW-11A-37.5-0814	Water	1,1-Dichloroethene	61.5		11.5	50.0	ug/L
Q2878-05	MW-11A-37.5-0814	Water	1,1-Dichloroethane	61.4		11.5	50.0	ug/L
Q2878-05	MW-11A-37.5-0814	Water	cis-1,2-Dichloroethene	2200		9.50	50.0	ug/L
Q2878-05	MW-11A-37.5-0814	Water	Trichloroethene	4600		4.70	50.0	ug/L
			Total Voc :	6920				
			Total Concentration:	6920				

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:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-18B-57.5-081325	SDG No.:	Q2878
Lab Sample ID:	Q2878-01	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
VX047450.D	1	08/20/25 17:57	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	55.1		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	8.60		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	8.00		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	900	E	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	1.60		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.60		0.22	1.00	ug/L
79-01-6	Trichloroethene	160	E	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	0.95	J	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	48.2		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.8		70 (77) - 130 (121)	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	5.568			
540-36-3	1,4-Difluorobenzene	416000	6.769			
3114-55-4	Chlorobenzene-d5	411000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	207000	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:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-18B-57.5-081325DL	SDG No.:	Q2878
Lab Sample ID:	Q2878-01DL	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
VX047451.D	10	08/20/25 18:18	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	50.0	D	2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.60	JD	2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	6.80	JD	2.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	810	D	1.90	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	2.00	10.0	ug/L
71-43-2	Benzene	6.30	JD	1.50	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	UD	2.20	10.0	ug/L
79-01-6	Trichloroethene	150	D	0.93	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	UD	2.10	10.0	ug/L
127-18-4	Tetrachloroethene	2.30	UD	2.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.1		70 (77) - 130 (121)	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	216000	5.568			
540-36-3	1,4-Difluorobenzene	432000	6.769			
3114-55-4	Chlorobenzene-d5	428000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	219000	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:	08/14/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-11A-37.5-081425	SDG No.:	Q2878
Lab Sample ID:	Q2878-05	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
VX047452.D	50	08/20/25 18:40	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	13.0	U	13.0	50.0	ug/L
75-35-4	1,1-Dichloroethene	61.5		11.5	50.0	ug/L
75-34-3	1,1-Dichloroethane	61.4		11.5	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	2200		9.50	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	10.0	50.0	ug/L
71-43-2	Benzene	7.50	U	7.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	11.0	U	11.0	50.0	ug/L
79-01-6	Trichloroethene	4600		4.70	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.5	U	10.5	50.0	ug/L
127-18-4	Tetrachloroethene	11.5	U	11.5	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.3		70 (74) - 130 (125)	113%	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	56.8		70 (77) - 130 (121)	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	233000	5.568			
540-36-3	1,4-Difluorobenzene	475000	6.775			
3114-55-4	Chlorobenzene-d5	465000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	243000	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:	08/14/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	TB01-081425	SDG No.:	Q2878
Lab Sample ID:	Q2878-06	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
VX047441.D	1	08/20/25 14:42	VX082025

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	57.8		70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.1		70 (77) - 130 (121)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	299000	5.568			
540-36-3	1,4-Difluorobenzene	610000	6.775			
3114-55-4	Chlorobenzene-d5	600000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	295000	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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2878

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2878-01	MW-18B-57.5-081325	1,2-Dichloroethane-d4	50	54.3	109		70 (74)	130 (125)
		Dibromofluoromethane	50	48.2	96		70 (75)	130 (124)
		Toluene-d8	50	49.0	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.8	112		70 (77)	130 (121)
Q2878-01DL	MW-18B-57.5-081325DL	1,2-Dichloroethane-d4	50	55.7	111		70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100		70 (75)	130 (124)
		Toluene-d8	50	50.1	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.1	114		70 (77)	130 (121)
Q2878-05	MW-11A-37.5-081425	1,2-Dichloroethane-d4	50	56.3	113		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	56.8	114		70 (77)	130 (121)
Q2878-06	TB01-081425	1,2-Dichloroethane-d4	50	57.8	116		70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101		70 (75)	130 (124)
		Toluene-d8	50	50.5	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.1	110		70 (77)	130 (121)
VX0820WBL01	VX0820WBL01	1,2-Dichloroethane-d4	50	57.9	116		70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103		70 (75)	130 (124)
		Toluene-d8	50	50.7	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.9	112		70 (77)	130 (121)
VX0820WBS01	VX0820WBS01	1,2-Dichloroethane-d4	50	49.0	98		70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100		70 (75)	130 (124)
		Toluene-d8	50	49.2	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.2	100		70 (77)	130 (121)
VX0820WBSD0	VX0820WBSD01	1,2-Dichloroethane-d4	50	51.0	102		70 (74)	130 (125)
		Dibromofluoromethane	50	50.5	101		70 (75)	130 (124)
		Toluene-d8	50	50.2	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.7	103		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2878 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, Inc. **Datafile :** VX047430.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0820WBS01	Vinyl chloride	20	16.1	ug/L	81			70 (65)	130 (117)	
	1,1-Dichloroethene	20	16.8	ug/L	84			70 (74)	130 (110)	
	1,1-Dichloroethane	20	17.2	ug/L	86			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	17.1	ug/L	86			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	17.2	ug/L	86			70 (80)	130 (108)	
	Benzene	20	17.6	ug/L	88			70 (82)	130 (109)	
	1,2-Dichloroethane	20	17.6	ug/L	88			70 (80)	130 (115)	
	Trichloroethene	20	17.2	ug/L	86			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	18.1	ug/L	91			70 (83)	130 (112)	
	Tetrachloroethene	20	17.2	ug/L	86			70 (67)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2878 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, Inc. **Datafile :** VX047431.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0820WBSD01	Vinyl chloride	20	16.3	ug/L	81	0		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	16.3	ug/L	81	4		70 (74)	130 (110)	20 (20)
	1,1-Dichloroethane	20	17.6	ug/L	88	2		70 (78)	130 (112)	20 (20)
	cis-1,2-Dichloroethene	20	17.2	ug/L	86	0		70 (77)	130 (110)	20 (20)
	1,1,1-Trichloroethane	20	17.3	ug/L	86	0		70 (80)	130 (108)	20 (20)
	Benzene	20	17.9	ug/L	90	2		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	18.2	ug/L	91	3		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	18.9	ug/L	95	4		70 (83)	130 (112)	20 (20)
	Tetrachloroethene	20	17.0	ug/L	85	1		70 (67)	130 (123)	20 (15)

( ) = LABORATORY INHOUSE LIMIT

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VX0820WBL01

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2878

Lab File ID: VX047429.D | Lab Sample ID: VX0820WBL01

Date Analyzed: 08/20/2025 | Time Analyzed: 10:07

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
VX0820WBS01	VX0820WBS01	VX047430.D	08/20/2025
VX0820WBSD01	VX0820WBSD01	VX047431.D	08/20/2025
TB01-081425	Q2878-06	VX047441.D	08/20/2025
MW-18B-57.5-081325	Q2878-01	VX047450.D	08/20/2025
MW-18B-57.5-081325DL	Q2878-01DL	VX047451.D	08/20/2025
MW-11A-37.5-081425	Q2878-05	VX047452.D	08/20/2025

COMMENTS:

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.: Q2878

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

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.: Q2878

Lab File ID: VX047426.D | BFB Injection Date: 08/20/2025

Instrument ID: MSVOA_X | BFB Injection Time: 07:50

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	52.7
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	0.8 (1) 1
174	50.0 - 100.0% of mass 95	75.4
175	5.0 - 9.0% of mass 174	6 (7.9) 1
176	95.0 - 101.0% of mass 174	72.1 (95.6) 1
177	5.0 - 9.0% of mass 176	5 (6.9) 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	VX047427.D	08/20/2025	09:25
VX0820WBL01	VX0820WBL01	VX047429.D	08/20/2025	10:07
VX0820WBS01	VX0820WBS01	VX047430.D	08/20/2025	10:35
VX0820WBSD01	VX0820WBSD01	VX047431.D	08/20/2025	11:06
TB01-081425	Q2878-06	VX047441.D	08/20/2025	14:42
MW-18B-57.5-081325	Q2878-01	VX047450.D	08/20/2025	17:57
MW-18B-57.5-081325DL	Q2878-01DL	VX047451.D	08/20/2025	18:18
MW-11A-37.5-081425	Q2878-05	VX047452.D	08/20/2025	18:40

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2878

Lab File ID: VX047427.D Date Analyzed: 08/20/2025

Instrument ID: MSVOA_X Time Analyzed: 09:25

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	222102	5.56	369648	6.76	338607	10.05
UPPER LIMIT	444204	6.056	739296	7.263	677214	10.549
LOWER LIMIT	111051	5.056	184824	6.263	169304	9.549
EPA SAMPLE NO.						
MW-18B-57.5-081325	205051	5.57	415601	6.77	411051	10.06
MW-18B-57.5-081325DL	215725	5.57	432331	6.77	427580	10.06
MW-11A-37.5-081425	233413	5.57	475099	6.78	465473	10.06
TB01-081425	298809	5.57	610463	6.78	600442	10.06
VX0820WBL01	280589	5.57	574542	6.77	560929	10.06
VX0820WBS01	244648	5.56	407608	6.76	368354	10.06
VX0820WBSD01	227988	5.56	384011	6.76	353527	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2878

Lab File ID: VX047427.D Date Analyzed: 08/20/2025

Instrument ID: MSVOA_X Time Analyzed: 09:25

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

	IS4 AREA #	RT #				
12 HOUR STD	165668	12.018				
UPPER LIMIT	331336	12.518				
LOWER LIMIT	82834	11.518				
EPA SAMPLE NO.						
MW-18B-57.5-081325	206897	12.02				
MW-18B-57.5-081325DL	219266	12.02				
MW-11A-37.5-081425	242657	12.02				
TB01-081425	294767	12.02				
VX0820WBL01	279679	12.02				
VX0820WBS01	188940	12.02				
VX0820WBSD01	182846	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:	VX0820WBL01	SDG No.:	Q2878
Lab Sample ID:	VX0820WBL01	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
VX047429.D	1	08/20/25 10:07	VX082025

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	57.9		70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		70 (77) - 130 (121)	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281000	5.568			
540-36-3	1,4-Difluorobenzene	575000	6.769			
3114-55-4	Chlorobenzene-d5	561000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	280000	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:	VX0820WBS01	SDG No.:	Q2878
Lab Sample ID:	VX0820WBS01	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
VX047430.D	1	08/20/25 10:35	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.1		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.2		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.1		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.2		0.20	1.00	ug/L
71-43-2	Benzene	17.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.6		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	18.1		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	17.2		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	245000	5.556			
540-36-3	1,4-Difluorobenzene	408000	6.763			
3114-55-4	Chlorobenzene-d5	368000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	189000	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:	VX0820WBSD01	SDG No.:	Q2878
Lab Sample ID:	VX0820WBSD01	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
VX047431.D	1	08/20/25 11:06	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.3		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.6		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.2		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.3		0.20	1.00	ug/L
71-43-2	Benzene	17.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.2		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	18.9		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	17.0		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	228000	5.556			
540-36-3	1,4-Difluorobenzene	384000	6.763			
3114-55-4	Chlorobenzene-d5	354000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	183000	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

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.: Q2878

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.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG No.: Q2878

Instrument ID: MSVOA_X | Calibration Date/Time: 08/20/2025 09:25

Lab File ID: VX047427.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	0.671		-6.81	20
1,1-Dichloroethene	0.630	0.586		-6.98	20
1,1-Dichloroethane	1.222	1.158	0.1	-5.24	20
cis-1,2-Dichloroethene	0.778	0.733		-5.78	20
1,1,1-Trichloroethane	1.073	1.016		-5.31	20
Benzene	1.533	1.484		-3.2	20
1,2-Dichloroethane	0.543	0.539		-0.74	20
Trichloroethene	0.393	0.368		-6.36	20
1,1,2-Trichloroethane	0.360	0.361		0.28	20
Tetrachloroethene	0.362	0.335		-7.46	20
1,2-Dichloroethane-d4	0.700	0.747		6.71	20
Dibromofluoromethane	0.325	0.355		9.23	20
Toluene-d8	1.160	1.231		6.12	20
4-Bromofluorobenzene	0.428	0.465		8.65	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\VX082025\
Data File : VX047450.D
Acq On : 20 Aug 2025 17:57
Operator : JC/MD
Sample : Q2878-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 21 01:37:11 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-18B-57.5-081325

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	205051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	415601	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	411051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	206897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	155820	54.297	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.600%			
35) Dibromofluoromethane	5.403	113	130125	48.243	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.480%			
50) Toluene-d8	8.653	98	472687	49.030	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.060%			
62) 4-Bromofluorobenzene	11.079	95	198622	55.829	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.660%			
Target Compounds						Qvalue
3) Chloromethane	1.313	50	3616	1.538	ug/l	99
4) Vinyl Chloride	1.392	62	162715	55.130	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	12048	4.757	ug/l	94
12) 1,1-Dichloroethene	2.343	96	22164	8.585	ug/l	96
16) Acetone	2.392	43	40491	37.537	ug/l	97
17) Carbon Disulfide	2.532	76	30720	3.943	ug/l	97
20) Methylene Chloride	2.806	84	1981	0.694	ug/l	89
21) trans-1,2-Dichloroethene	3.111	96	20295	7.406	ug/l	95
24) 1,1-Dichloroethane	3.629	63	40088	8.001	ug/l	95
27) cis-1,2-Dichloroethene	4.507	96	2864874	897.640	ug/l	89
29) Tetrahydrofuran	5.038	42	23542	25.782	ug/l	94
30) Chloroform	5.123	83	1382m	0.270	ug/l	
40) Benzene	6.056	78	20126	1.579	ug/l	98
42) 1,2-Dichloroethane	6.104	62	7414	1.642	ug/l	91
44) Trichloroethene	7.135	130	529655	162.306	ug/l	97
52) Toluene	8.726	92	8994	1.142	ug/l	93
64) Tetrachloroethene	9.281	164	2827	0.951	ug/l	96
67) Ethyl Benzene	10.195	91	11095	0.660	ug/l	97
68) m/p-Xylenes	10.305	106	4057	0.647	ug/l	95
69) o-Xylene	10.646	106	2042	0.338	ug/l	94
70) Styrene	10.665	104	3204	0.314	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	4379	0.329	ug/l	94
95) Naphthalene	13.774	128	213891	15.573	ug/l	99

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

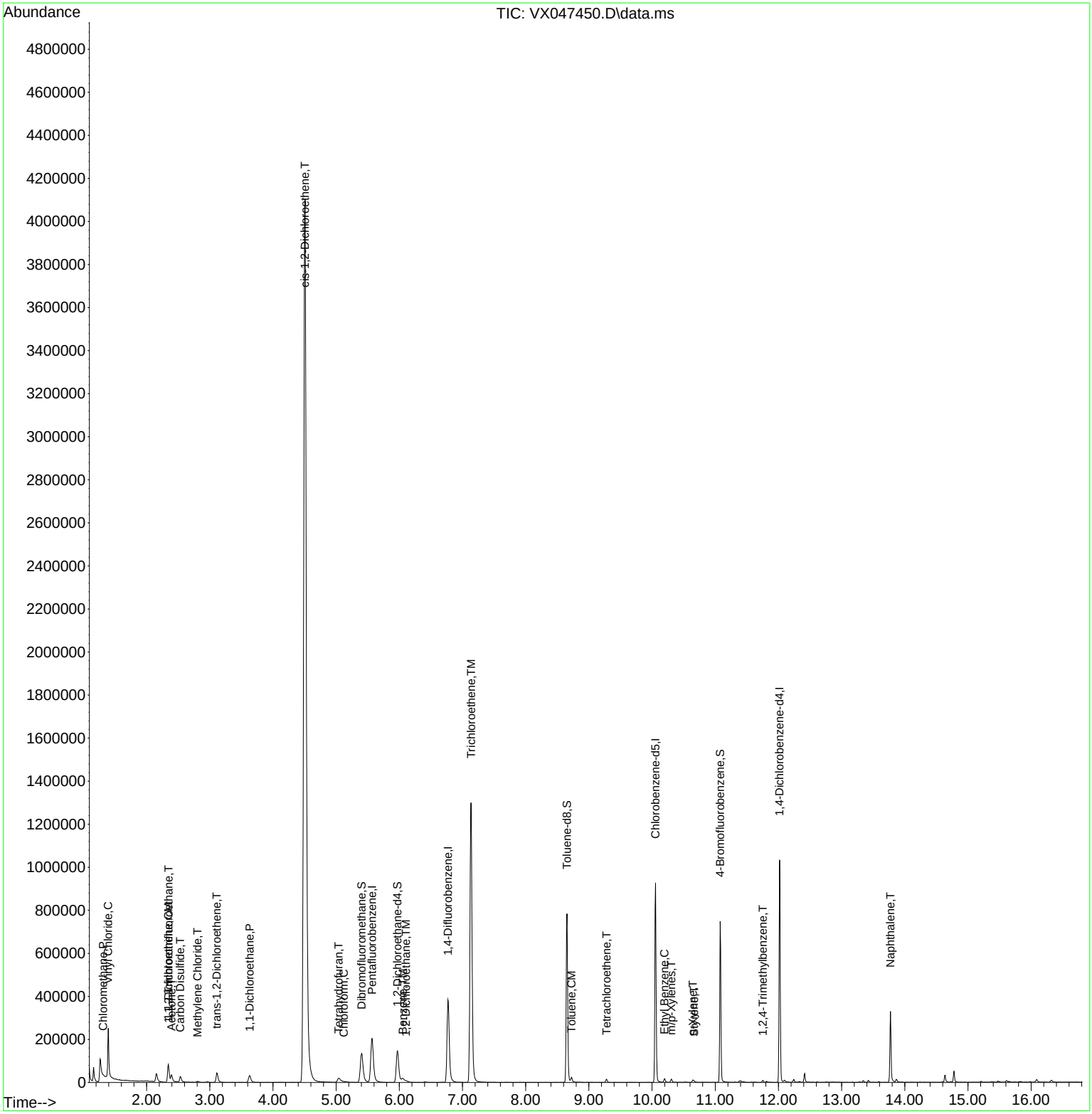
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047450.D
Acq On : 20 Aug 2025 17:57
Operator : JC/MD
Sample : Q2878-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

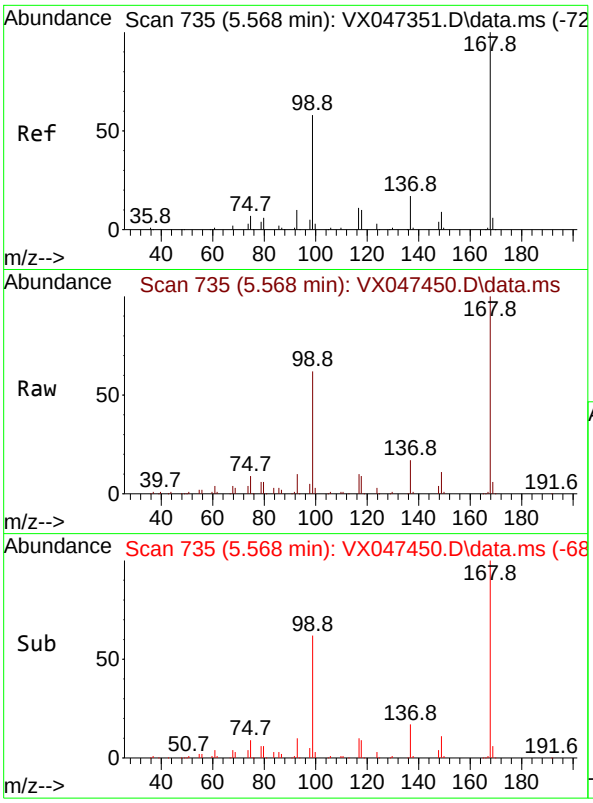
Quant Time: Aug 21 01:37:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

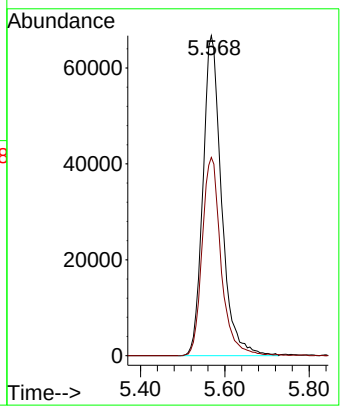
Tgt Ion:168 Resp: 20505

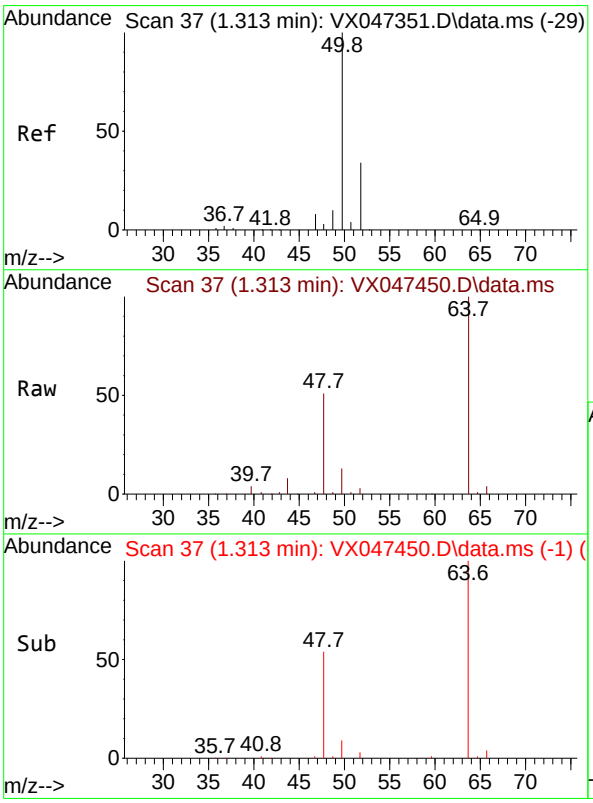
Ion	Ratio	Lower	Upper
168	100		
99	61.9	47.9	71.9

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

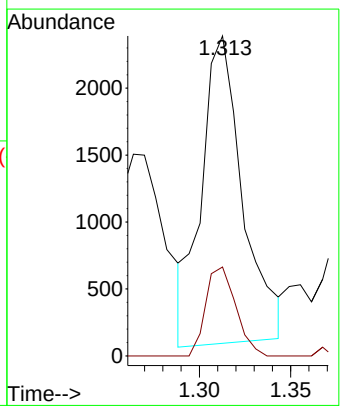


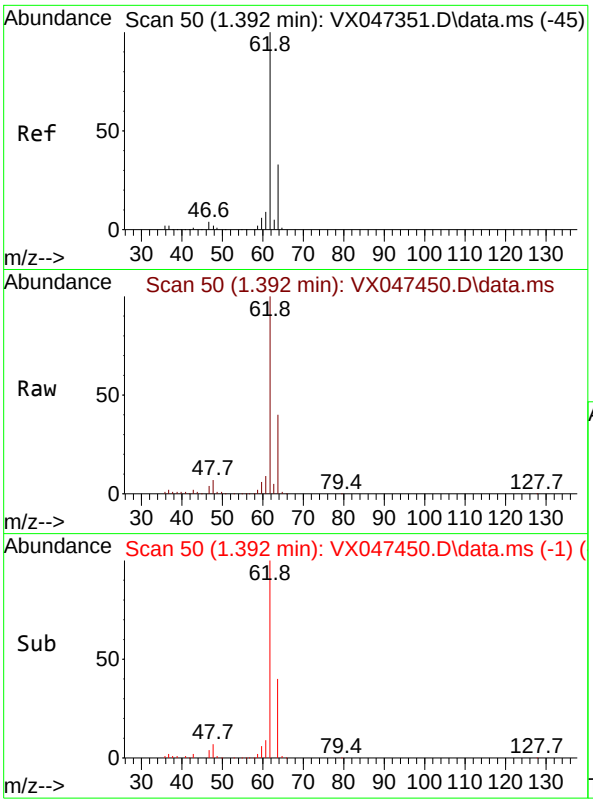


#3
Chloromethane
Concen: 1.538 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 50 Resp: 3616

Ion	Ratio	Lower	Upper
50	100		
52	34.0	27.0	40.4

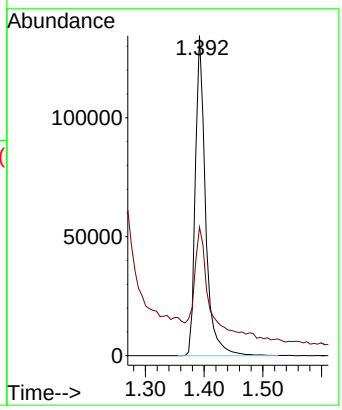




#4
Vinyl Chloride
Concen: 55.130 ug/l
RT: 1.392 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 62 Resp: 16271

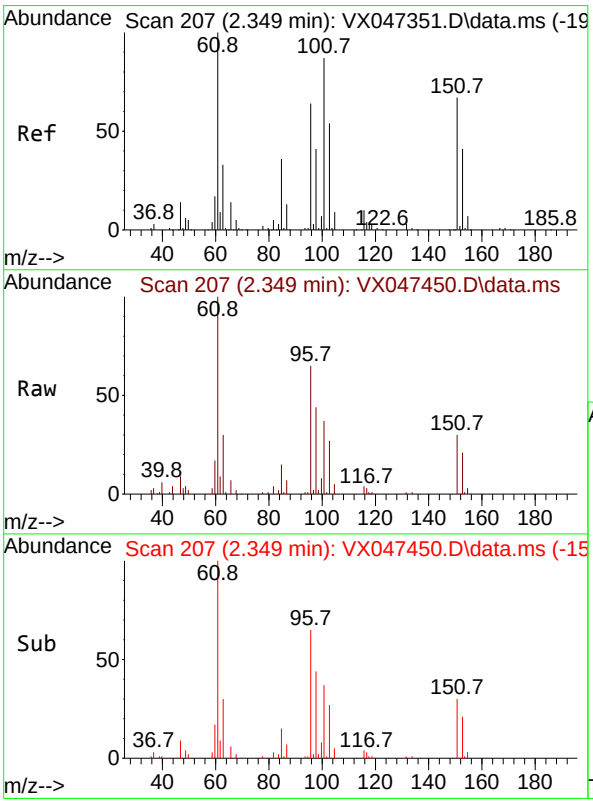
Ion	Ratio	Lower	Upper
62	100		
64	35.0	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

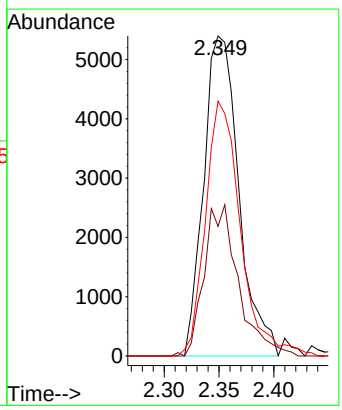
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

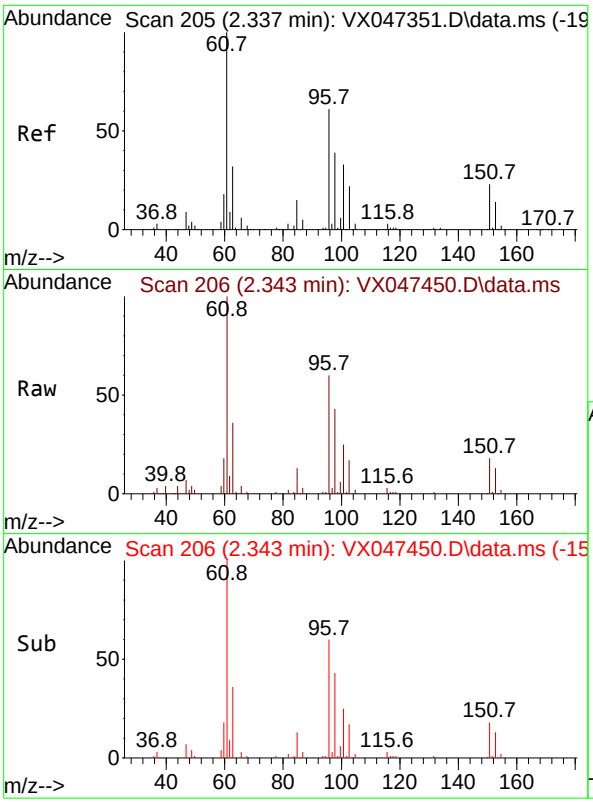


#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.757 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion:101 Resp: 12048

Ion	Ratio	Lower	Upper
101	100		
85	46.0	34.3	51.5
151	79.2	59.2	88.8

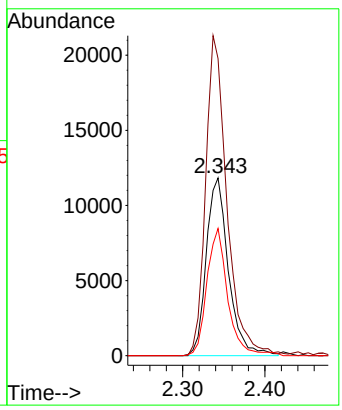




#12
1,1-Dichloroethene
Concen: 8.585 ug/l
RT: 2.343 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 96 Resp: 2216

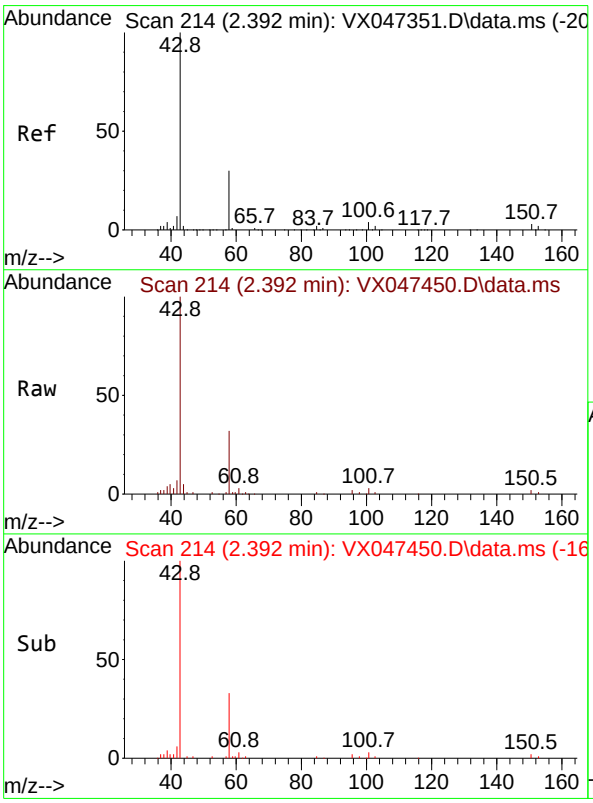
Ion	Ratio	Lower	Upper
96	100		
61	167.1	132.2	198.2
98	71.6	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

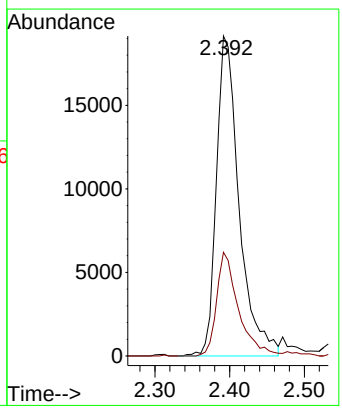
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

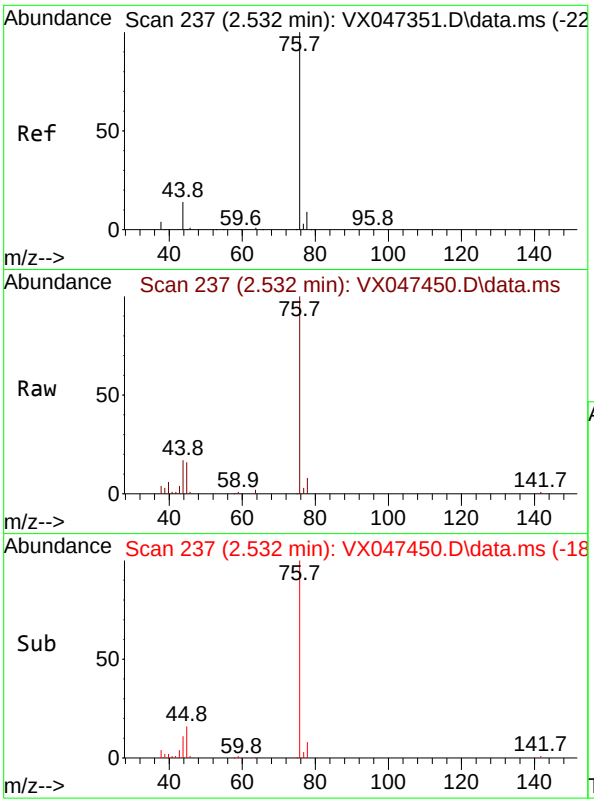


#16
Acetone
Concen: 37.537 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 43 Resp: 40491

Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.8	37.2

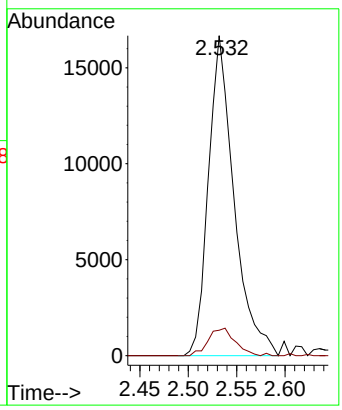




#17
Carbon Disulfide
Concen: 3.943 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 76 Resp: 3072

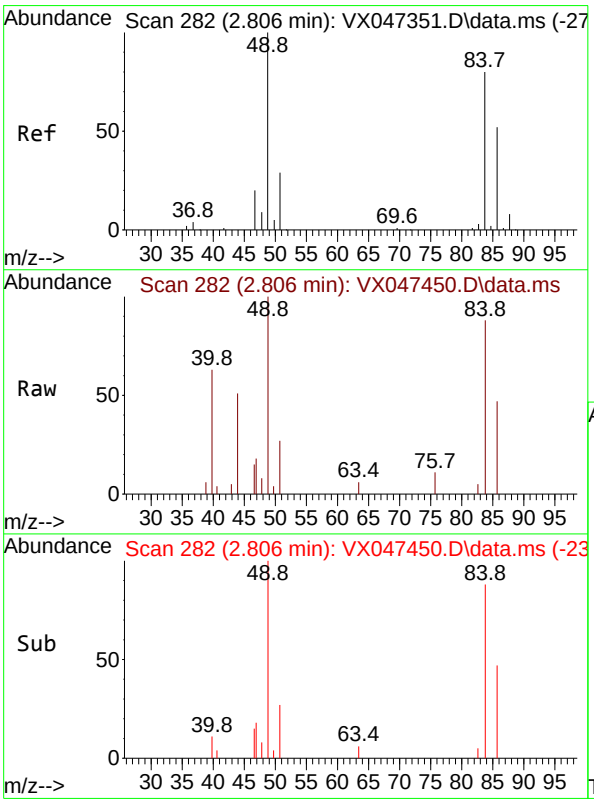
Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.2	10.8



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

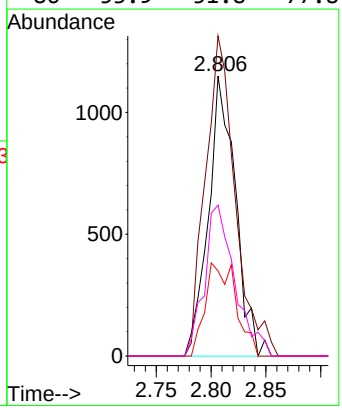
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#20
Methylene Chloride
Concen: 0.694 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 84 Resp: 1981

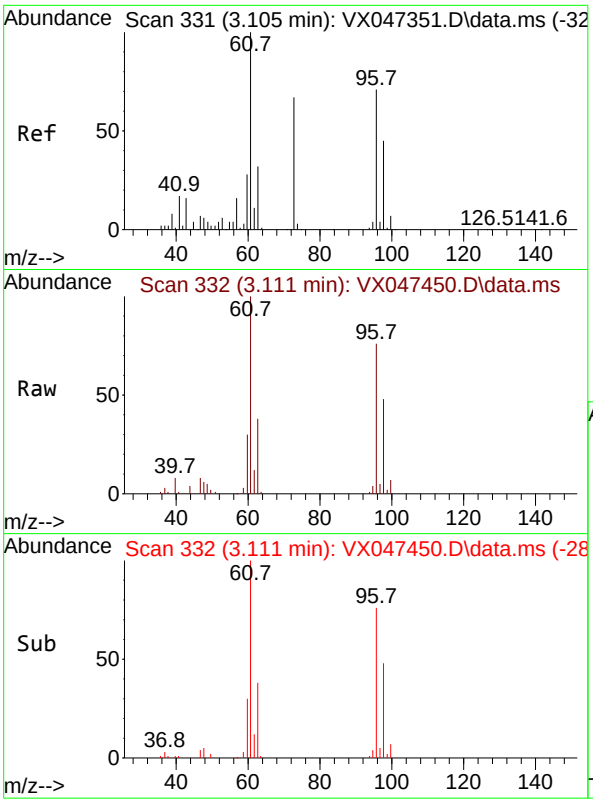
Ion	Ratio	Lower	Upper
84	100		
49	114.3	100.1	150.1
51	30.3	29.5	44.3
86	53.9	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

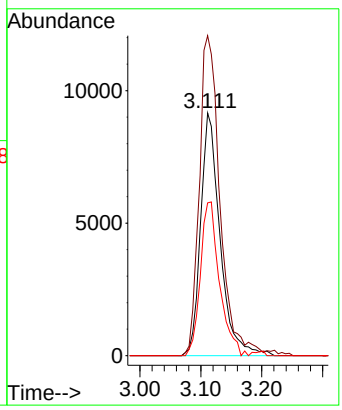
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

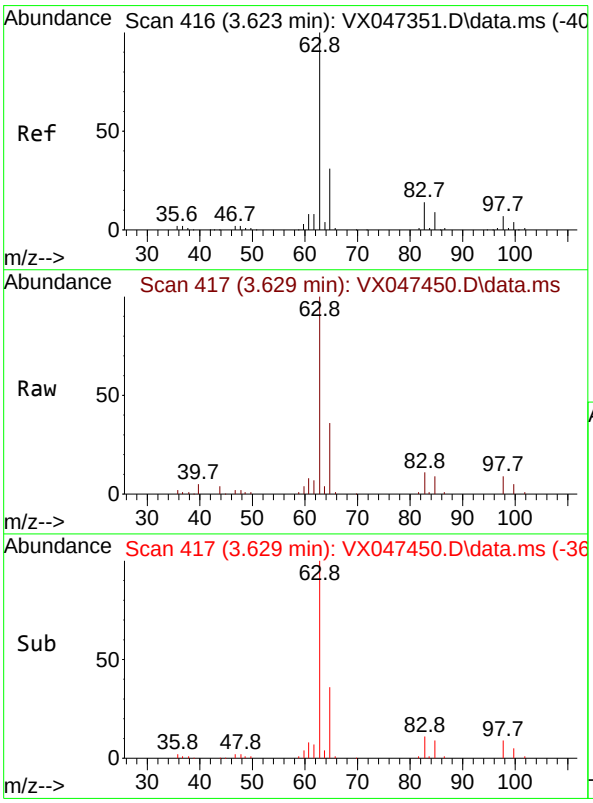


#21
trans-1,2-Dichloroethene
Concen: 7.406 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 96 Resp: 2029

Ion	Ratio	Lower	Upper
96	100		
61	131.8	112.6	169.0
98	63.0	50.9	76.3

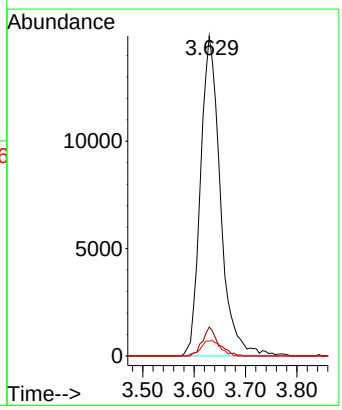


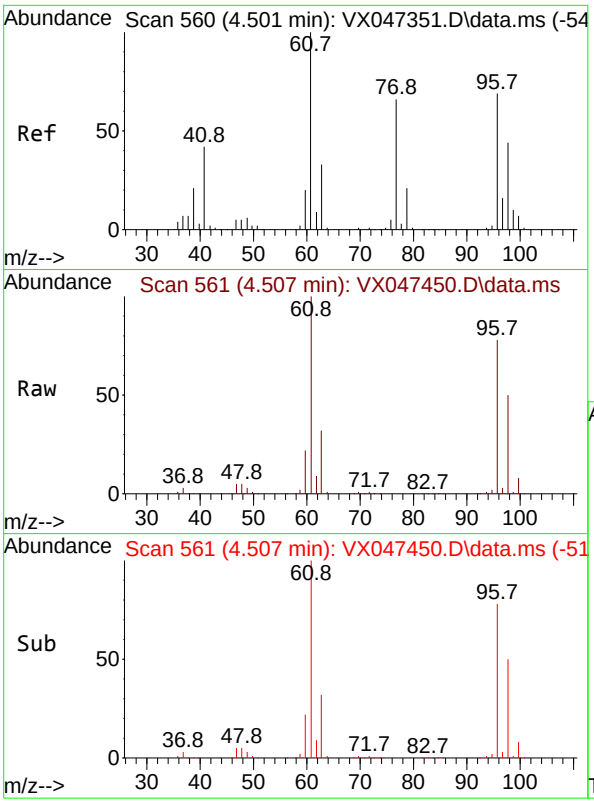


#24
1,1-Dichloroethane
Concen: 8.001 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 63 Resp: 40088

Ion	Ratio	Lower	Upper
63	100		
98	9.1	3.3	9.9
100	4.7	2.1	6.3

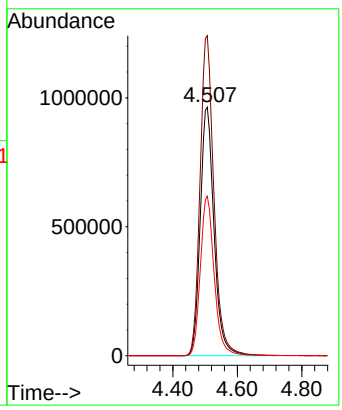




#27
cis-1,2-Dichloroethene
Concen: 897.640 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 96 Resp: 286487

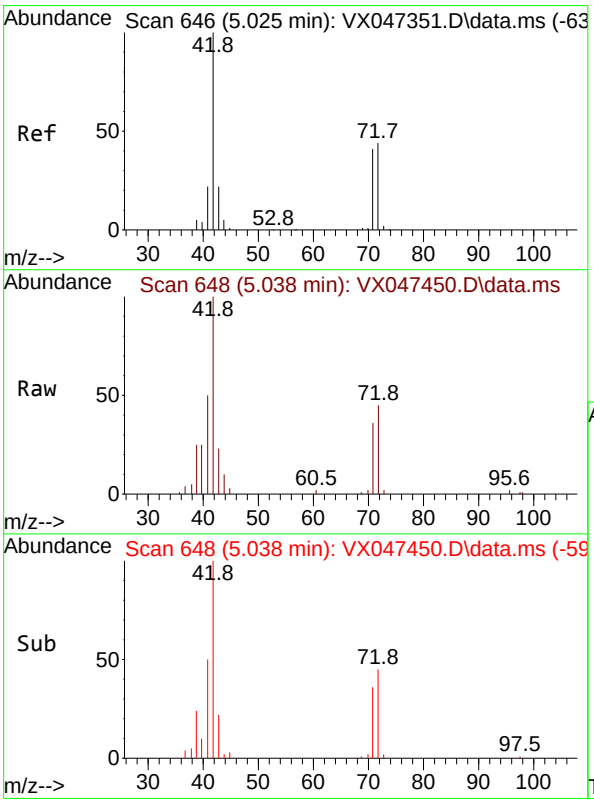
Ion	Ratio	Lower	Upper
96	100		
61	129.2	0.0	296.6
98	64.3	0.0	130.4



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

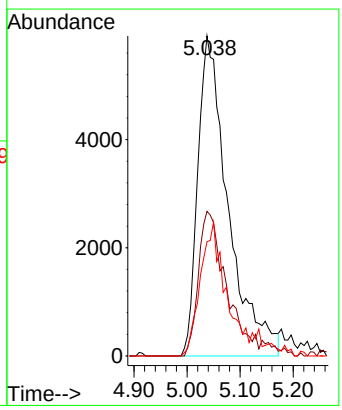
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#29
Tetrahydrofuran
Concen: 25.782 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.012 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 42 Resp: 23542

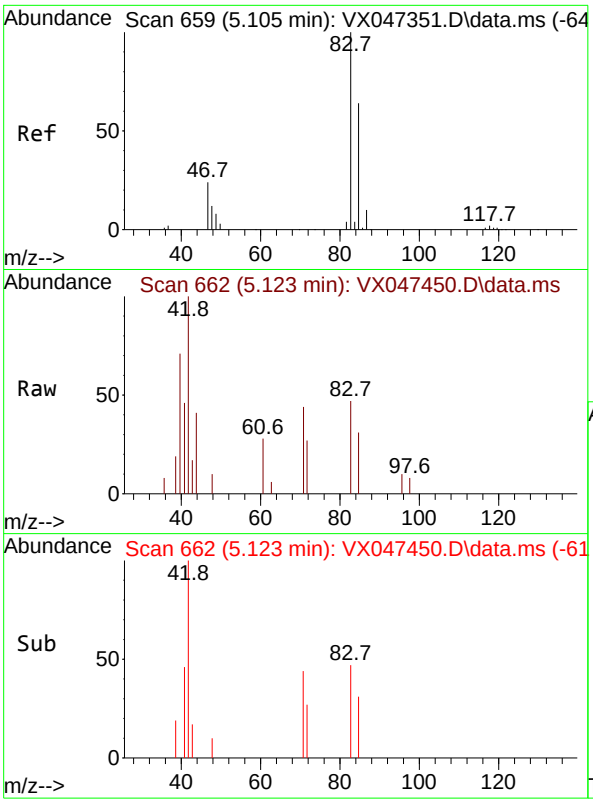
Ion	Ratio	Lower	Upper
42	100		
72	41.3	34.6	51.8
71	34.9	32.6	49.0



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

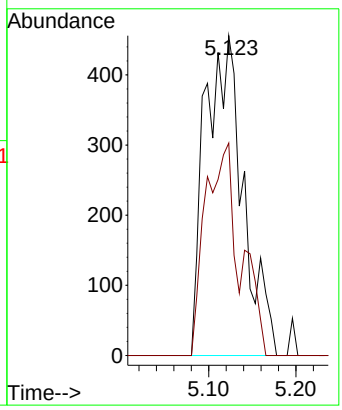
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

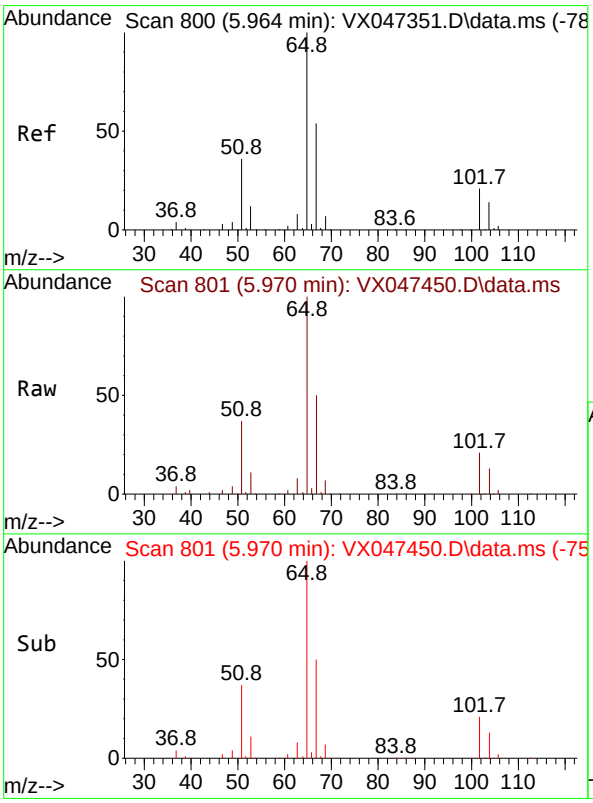


#30
Chloroform
Concen: 0.270 ug/l m
RT: 5.123 min Scan# 6
Delta R.T. 0.018 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 83 Resp: 138

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.2	76.8

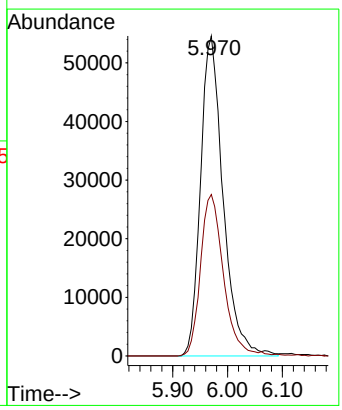


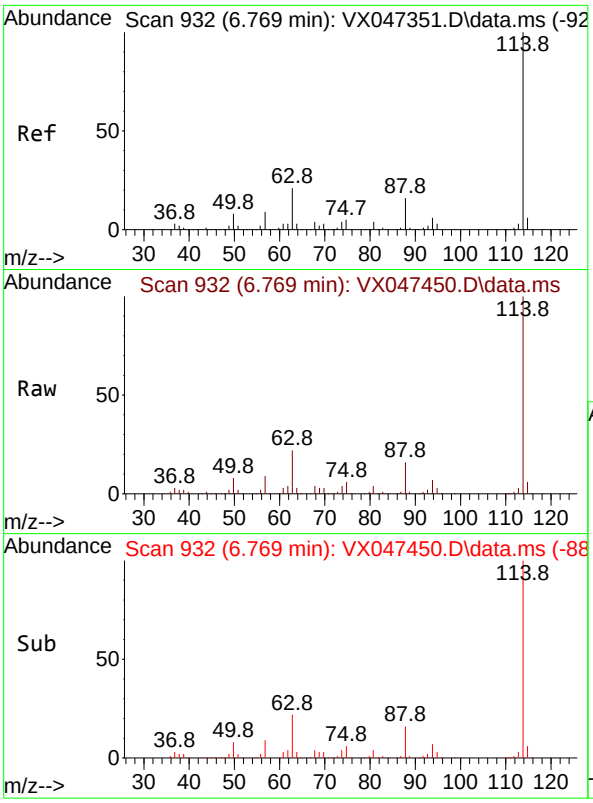


#33
1,2-Dichloroethane-d4
Concen: 54.297 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 65 Resp: 155820

Ion	Ratio	Lower	Upper
65	100		
67	51.6	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: VX047450.D
Acq: 20 Aug 2025 17:57

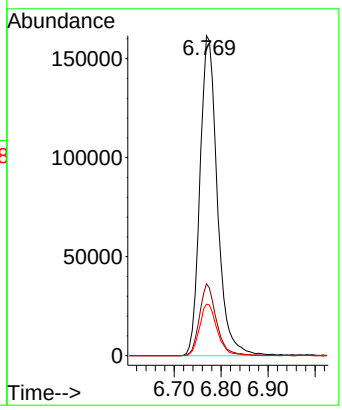
Tgt Ion:114 Resp: 41560

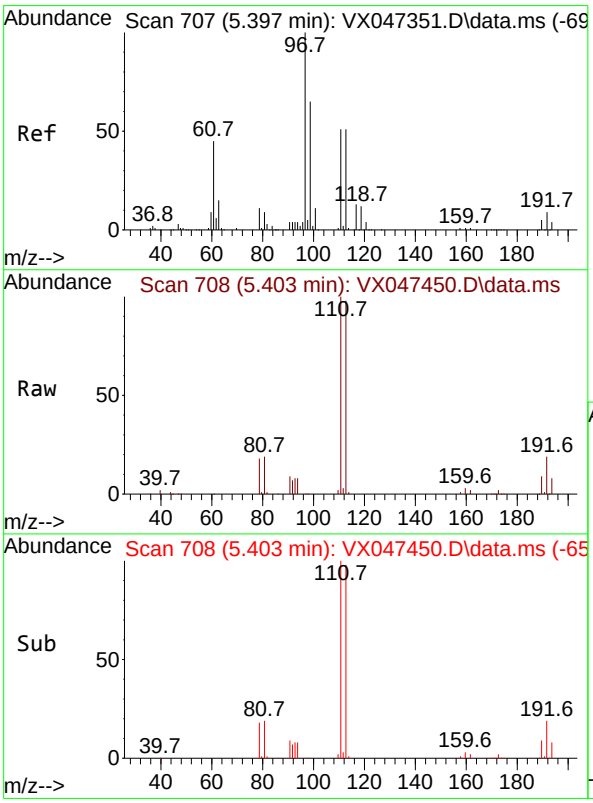
Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	42.4
88	16.1	0.0	33.0

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

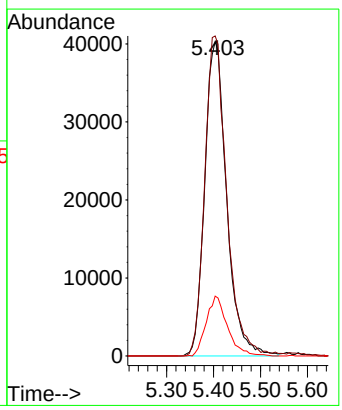


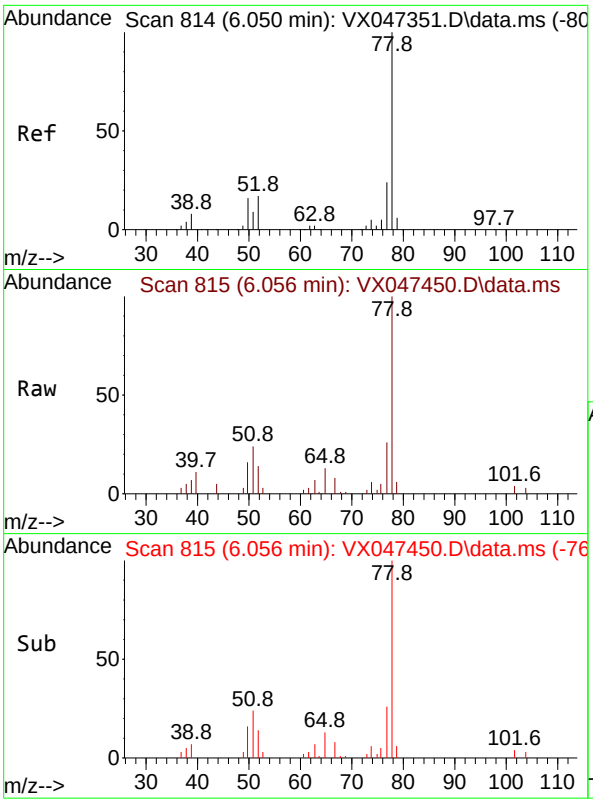


#35
Dibromofluoromethane
Concen: 48.243 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion:113 Resp: 130125

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.2
192	18.5	14.1	21.1





#40
Benzene
Concen: 1.579 ug/l
RT: 6.056 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

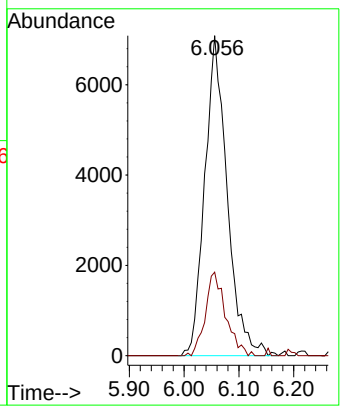
Tgt Ion: 78 Resp: 2012

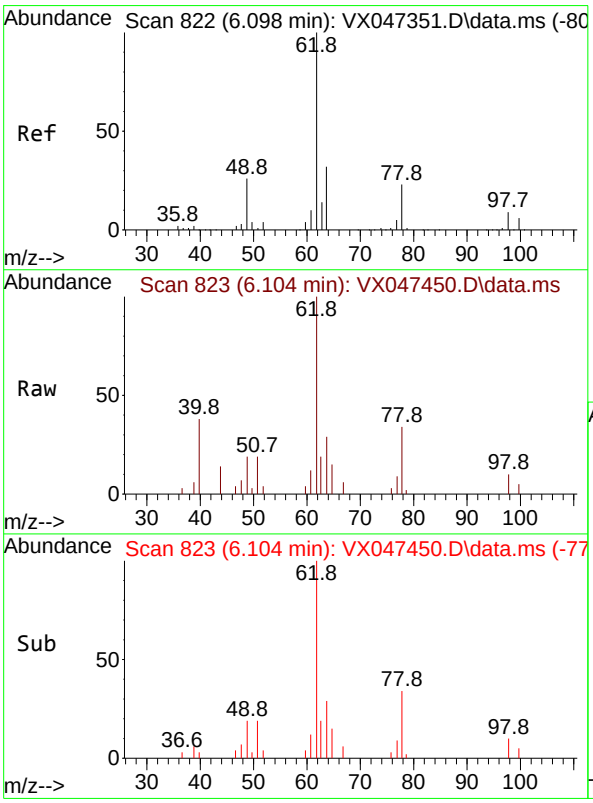
Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

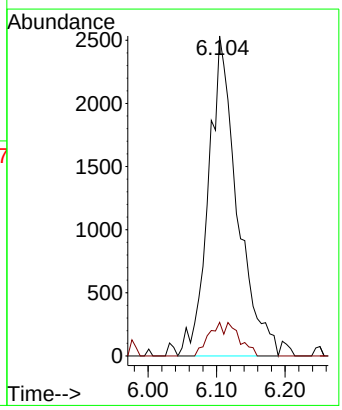


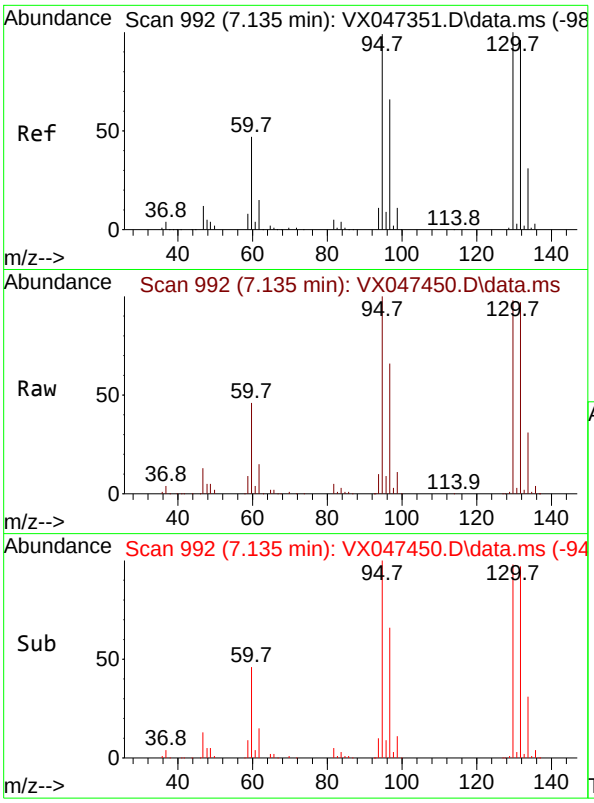


#42
1,2-Dichloroethane
Concen: 1.642 ug/l
RT: 6.104 min Scan# 823
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 62 Resp: 7414

Ion	Ratio	Lower	Upper
62	100		
98	5.6	0.0	18.0

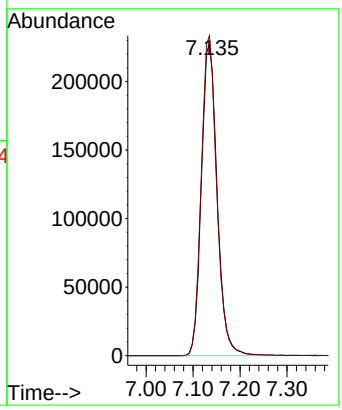




#44
Trichloroethene
Concen: 162.306 ug/l
RT: 7.135 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion:130 Resp: 52965

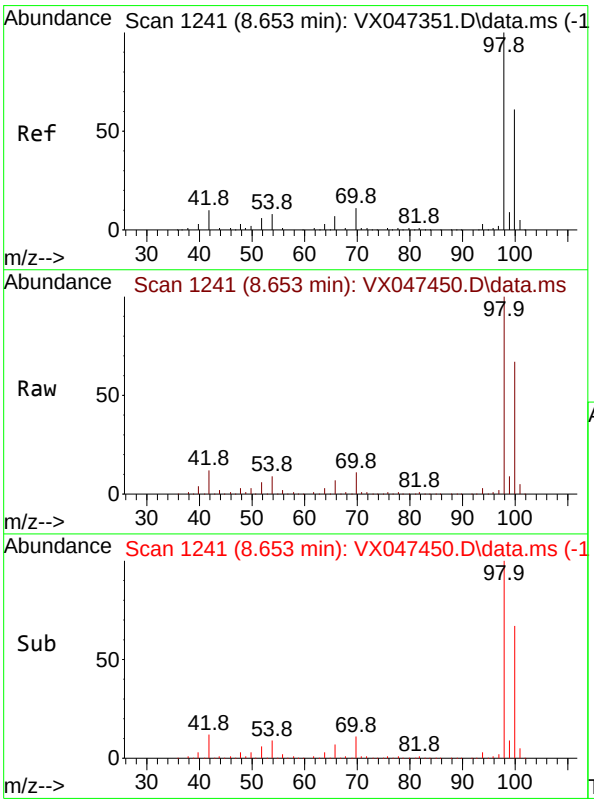
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	198.6



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

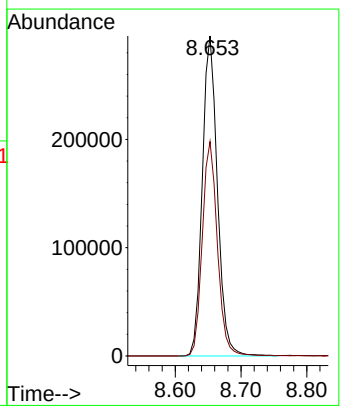
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

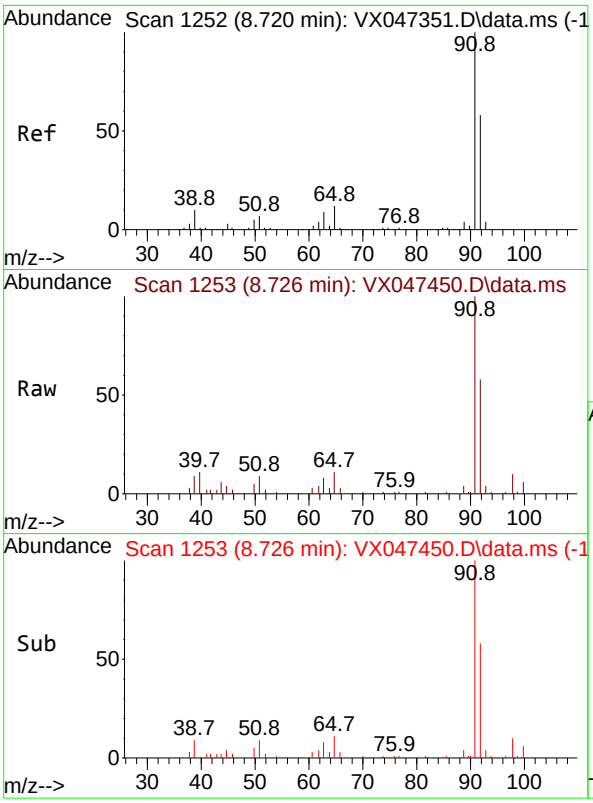


#50
Toluene-d8
Concen: 49.030 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 98 Resp: 472687

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.9	80.9





#52
Toluene
Concen: 1.142 ug/l
RT: 8.726 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

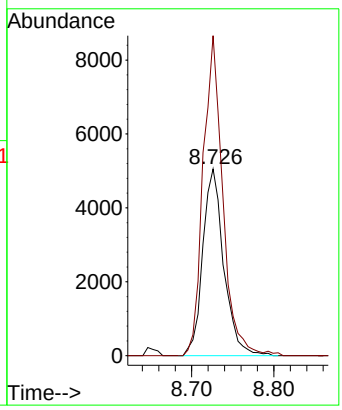
Tgt Ion: 92 Resp: 899

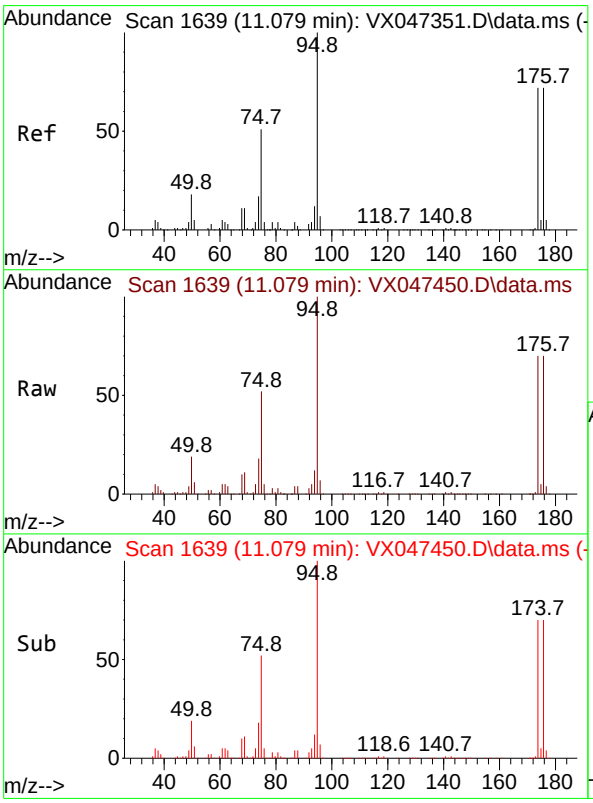
Ion	Ratio	Lower	Upper
92	100		
91	160.4	136.3	204.5

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

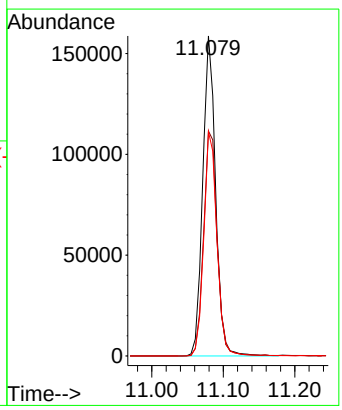


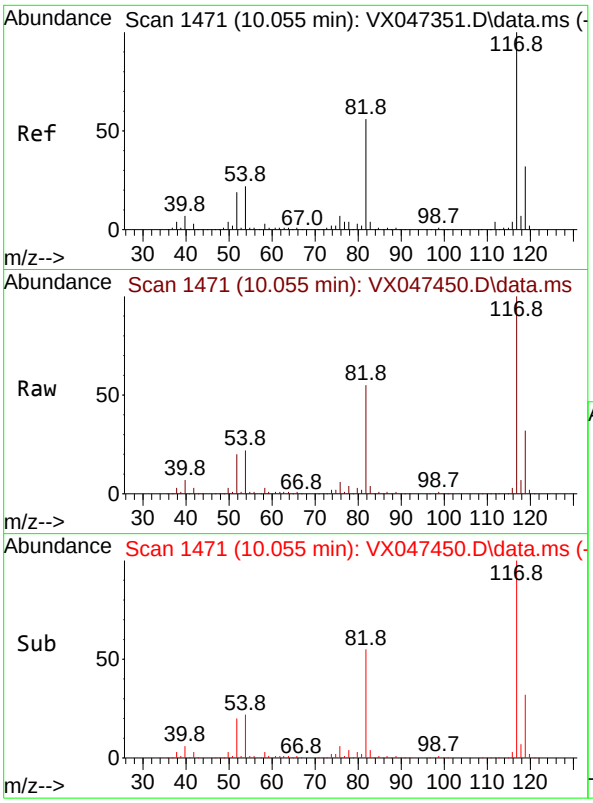


#62
4-Bromofluorobenzene
Concen: 55.829 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 95 Resp: 198622

Ion	Ratio	Lower	Upper
95	100		
174	74.0	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: VX047450.D
Acq: 20 Aug 2025 17:57

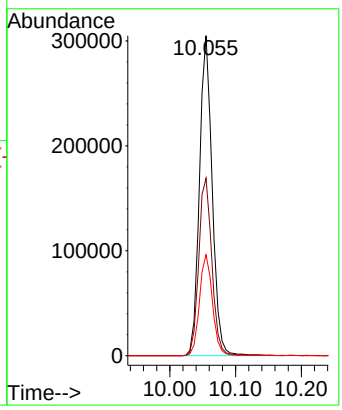
Tgt Ion:117 Resp: 41105

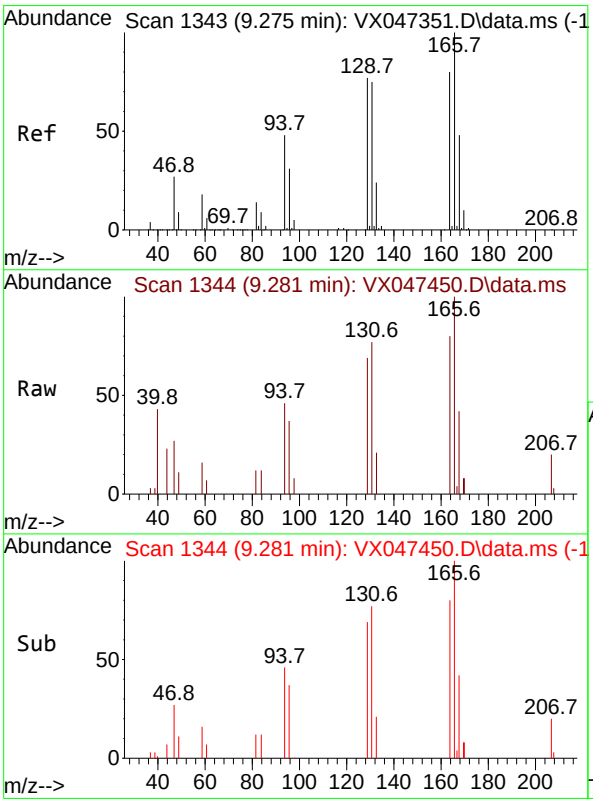
Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.0	67.4
119	31.5	25.8	38.8

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

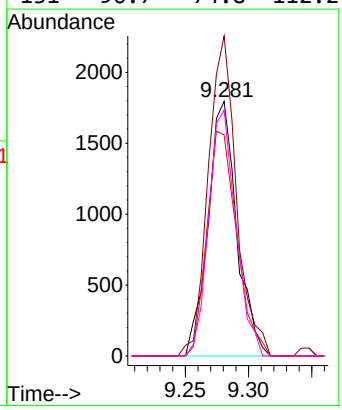


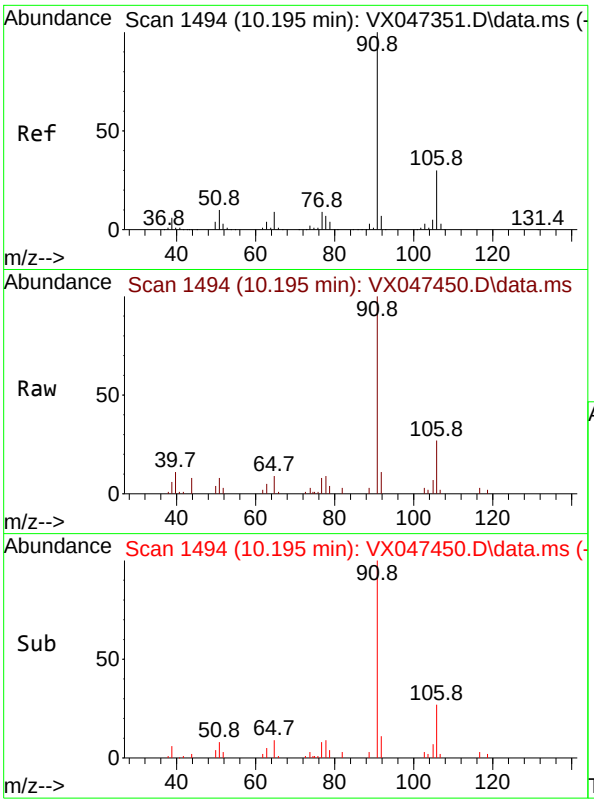


#64
Tetrachloroethene
Concen: 0.951 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion:164 Resp: 2827

Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.3	150.5
129	86.9	77.7	116.5
131	96.7	74.8	112.2





#67
Ethyl Benzene
Concen: 0.660 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

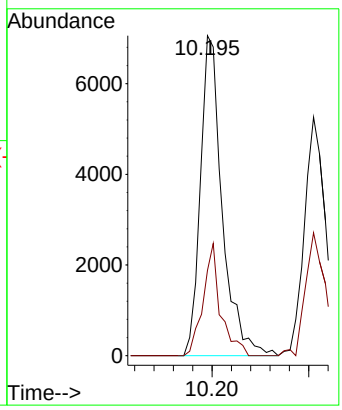
Tgt Ion: 91 Resp: 1109

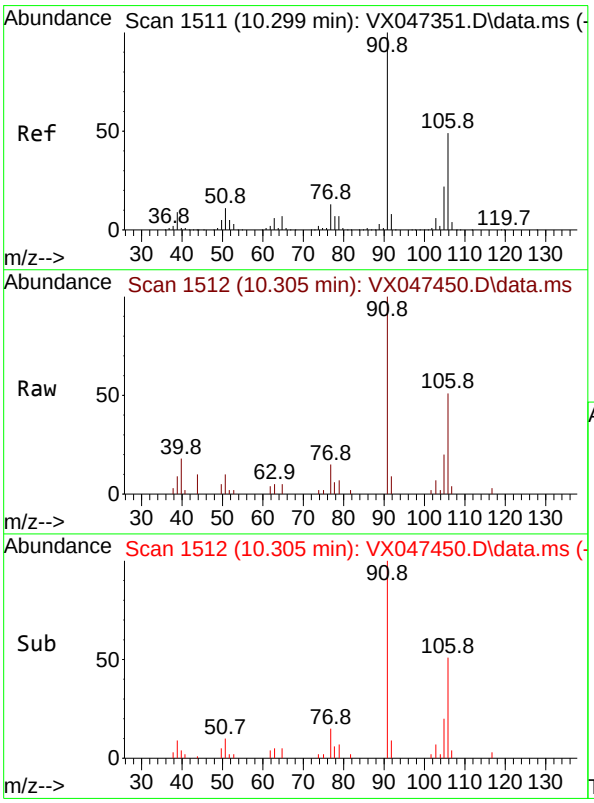
Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.4	36.6

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

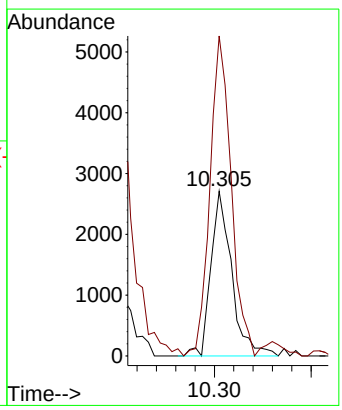


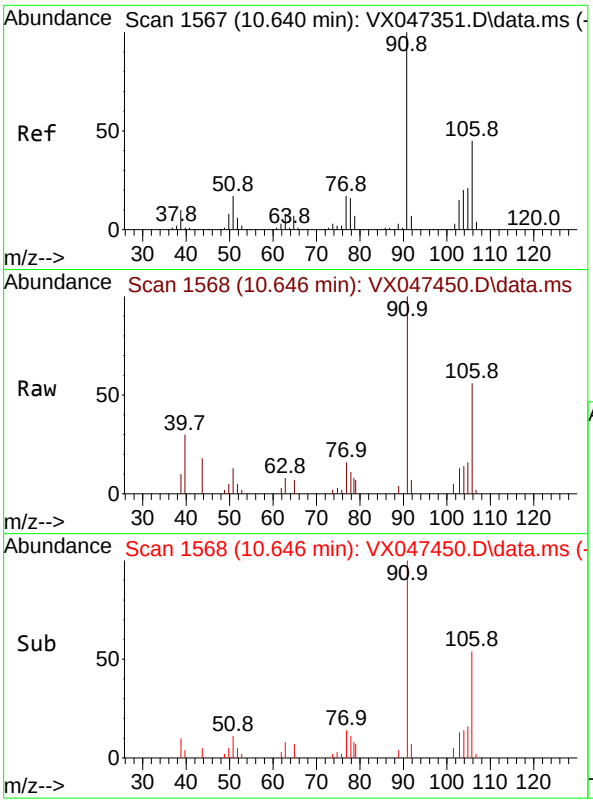


#68
m/p-Xylenes
Concen: 0.647 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion:106 Resp: 4057

Ion	Ratio	Lower	Upper
106	100		
91	197.8	164.7	247.1





#69
o-Xylene
Concen: 0.338 ug/l
RT: 10.646 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

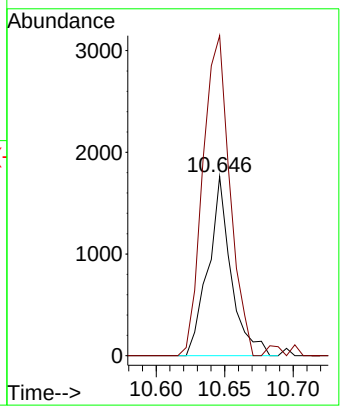
Tgt Ion:106 Resp: 204

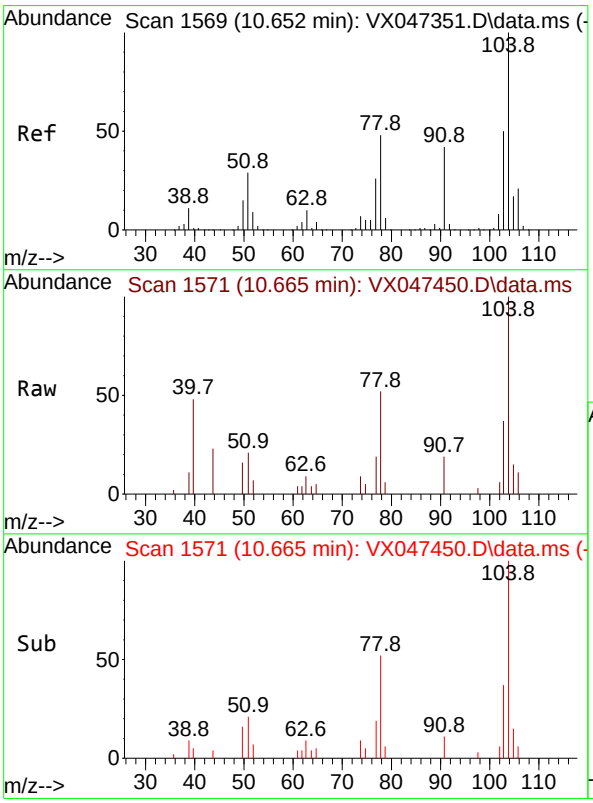
Ion	Ratio	Lower	Upper
106	100		
91	211.0	110.6	331.8

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

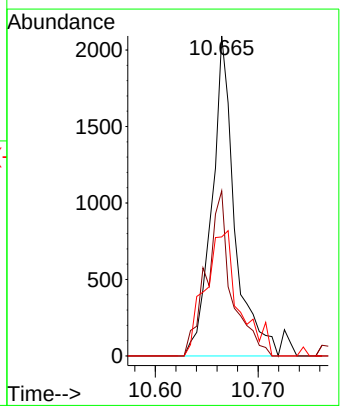


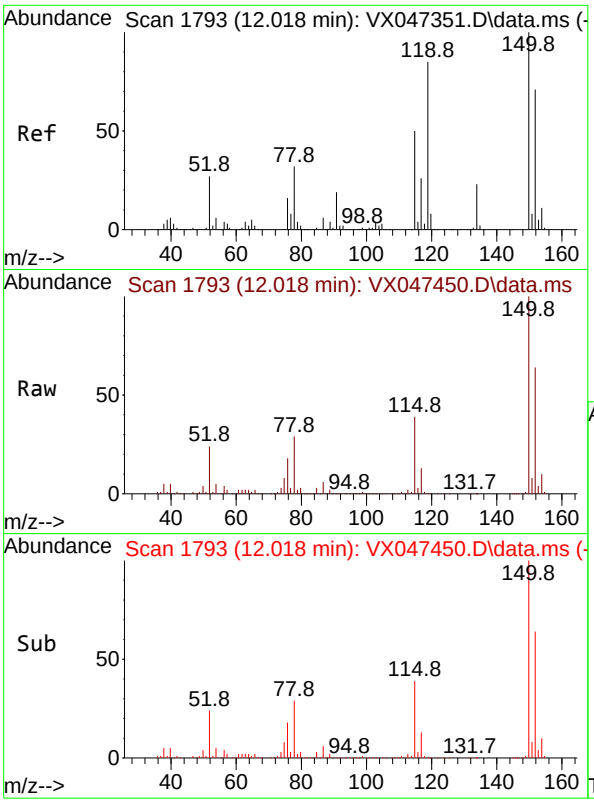


#70
Styrene
Concen: 0.314 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion:104 Resp: 3204

Ion	Ratio	Lower	Upper
104	100		
78	56.1	41.8	62.8
103	58.0	43.6	65.4

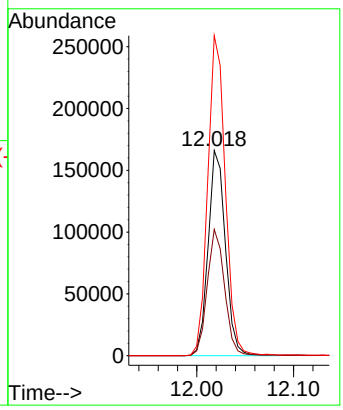




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion:152 Resp: 20689

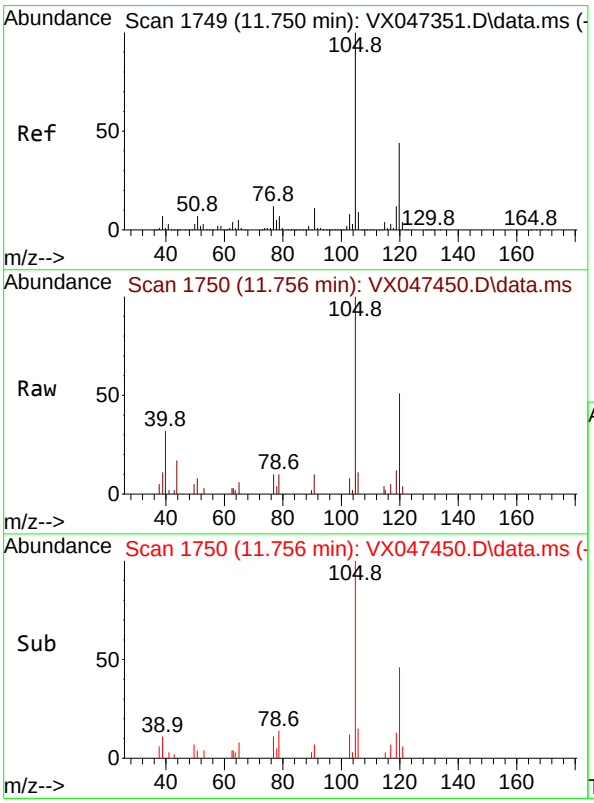
Ion	Ratio	Lower	Upper
152	100		
115	61.6	44.6	133.8
150	158.0	0.0	349.8



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

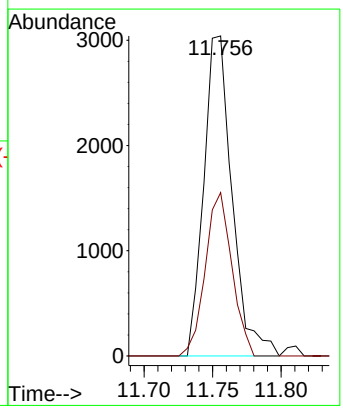
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

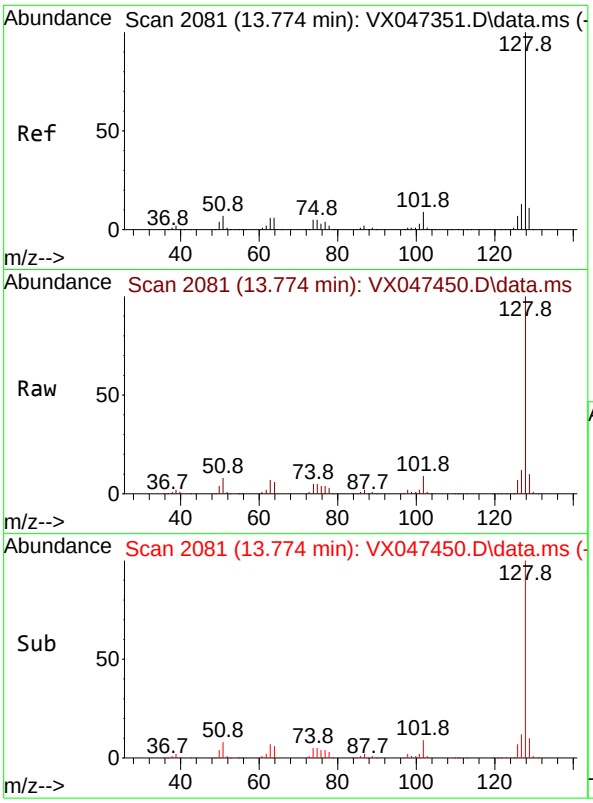


#84
1,2,4-Trimethylbenzene
Concen: 0.329 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion:105 Resp: 4379

Ion	Ratio	Lower	Upper
105	100		
120	47.8	21.9	65.7

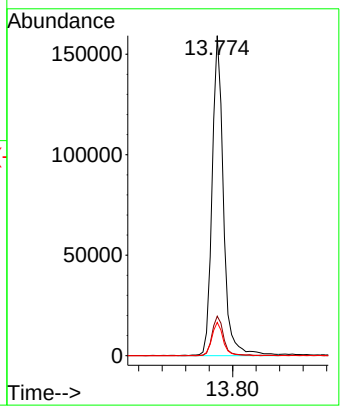




#95
Naphthalene
Concen: 15.573 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion:128 Resp: 21389

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.4	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047451.D
Acq On : 20 Aug 2025 18:18
Operator : JC/MD
Sample : Q2878-01DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 21 01:37:46 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-18B-57.5-081325DL

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	215725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	432331	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	427580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	219266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	168273	55.735	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.480%			
35) Dibromofluoromethane	5.403	113	140124	49.940	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.880%			
50) Toluene-d8	8.653	98	502298	50.085	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.160%			
62) 4-Bromofluorobenzene	11.079	95	211301	57.095	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.180%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	15518	4.998	ug/l #	55
9) 1,1,2-Trichlorotrifluo...	2.355	101	921	0.346	ug/l	88
12) 1,1-Dichloroethene	2.337	96	2062	0.759	ug/l	98
16) Acetone	2.398	43	5950	5.243	ug/l	91
17) Carbon Disulfide	2.532	76	4859	0.593	ug/l	98
20) Methylene Chloride	2.812	84	959	0.319	ug/l #	78
21) trans-1,2-Dichloroethene	3.117	96	3018	1.047	ug/l #	87
24) 1,1-Dichloroethane	3.629	63	3602	0.683	ug/l #	93
27) cis-1,2-Dichloroethene	4.507	96	273342	81.407	ug/l	89
29) Tetrahydrofuran	5.056	42	2399m	2.497	ug/l	
40) Benzene	6.062	78	8309	0.627	ug/l	94
44) Trichloroethene	7.135	130	49879	14.693	ug/l	94
52) Toluene	8.726	92	4849	0.592	ug/l	91
67) Ethyl Benzene	10.201	91	7353	0.420	ug/l	100
68) m/p-Xylenes	10.305	106	2534	0.389	ug/l	93
95) Naphthalene	13.774	128	140385	9.645	ug/l	100

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

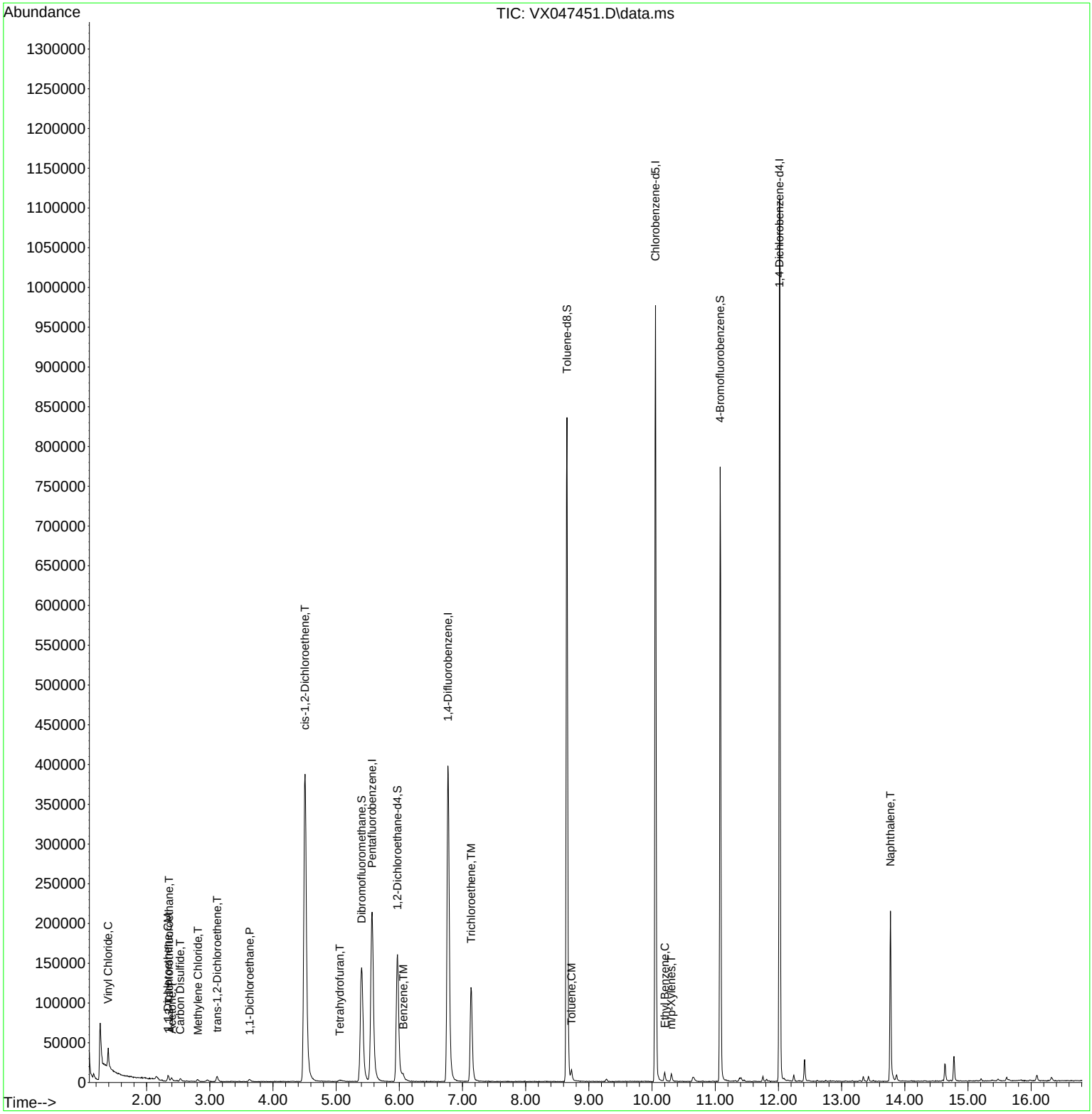
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047451.D
Acq On : 20 Aug 2025 18:18
Operator : JC/MD
Sample : Q2878-01DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

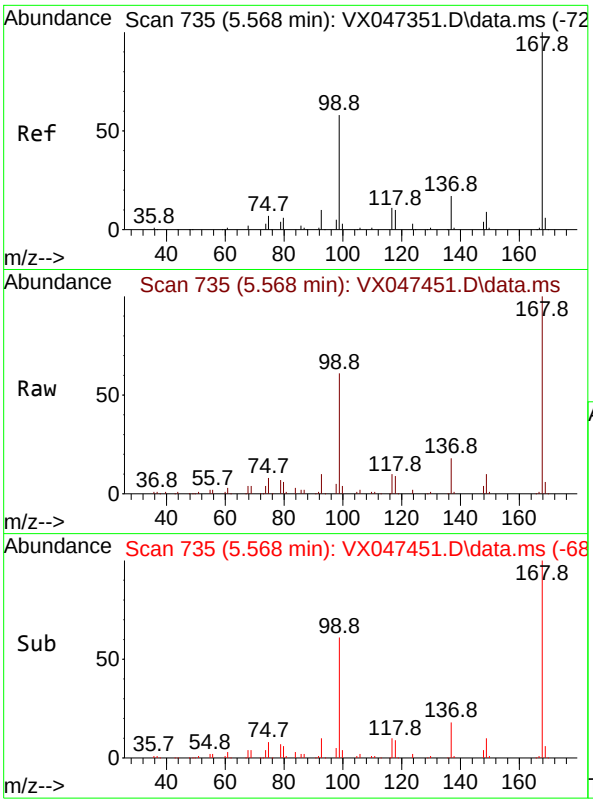
Quant Time: Aug 21 01:37:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

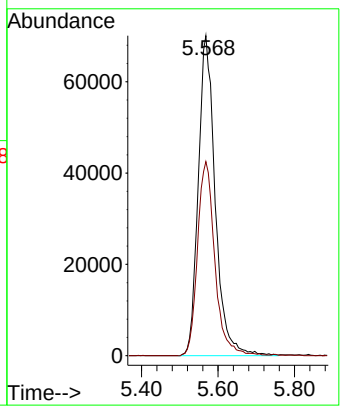




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion:168 Resp: 21572

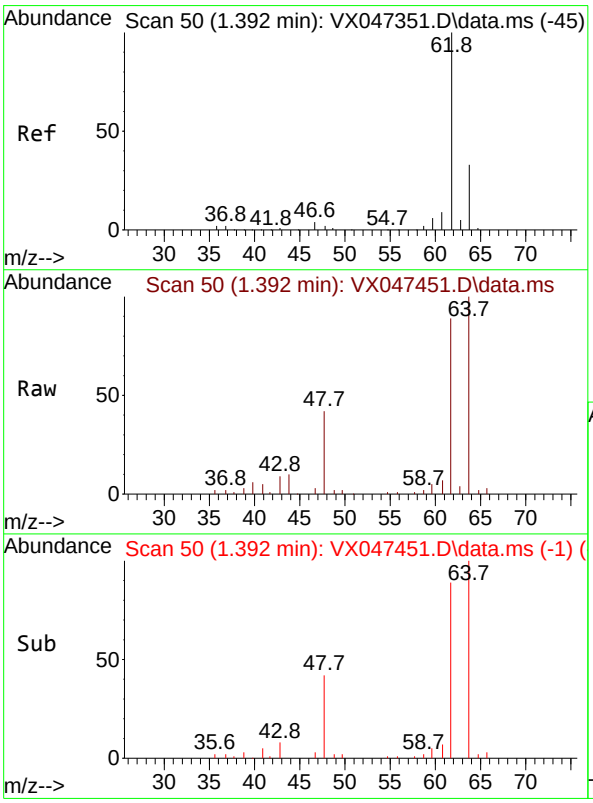
Ion	Ratio	Lower	Upper
168	100		
99	60.7	47.9	71.9



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Manual Integrations
APPROVED

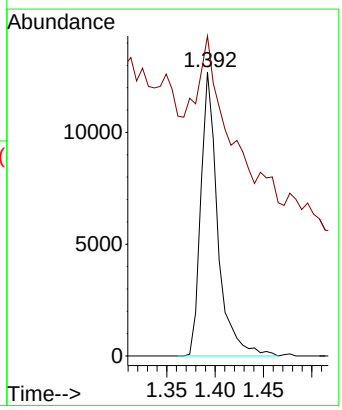
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

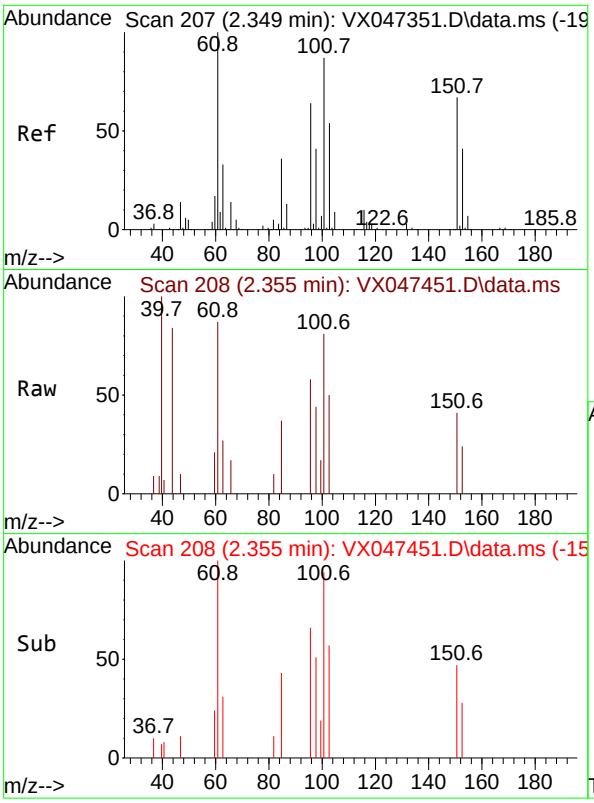


#4
Vinyl Chloride
Concen: 4.998 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 62 Resp: 15518

Ion	Ratio	Lower	Upper
62	100		
64	58.7	26.5	39.7#





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.346 ug/l
RT: 2.355 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

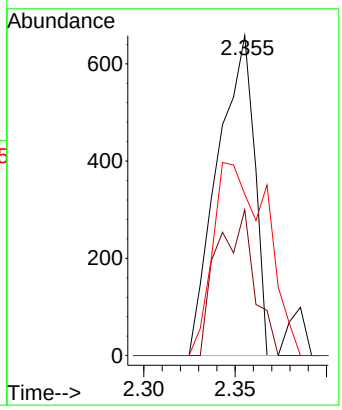
Tgt Ion:101 Resp: 92

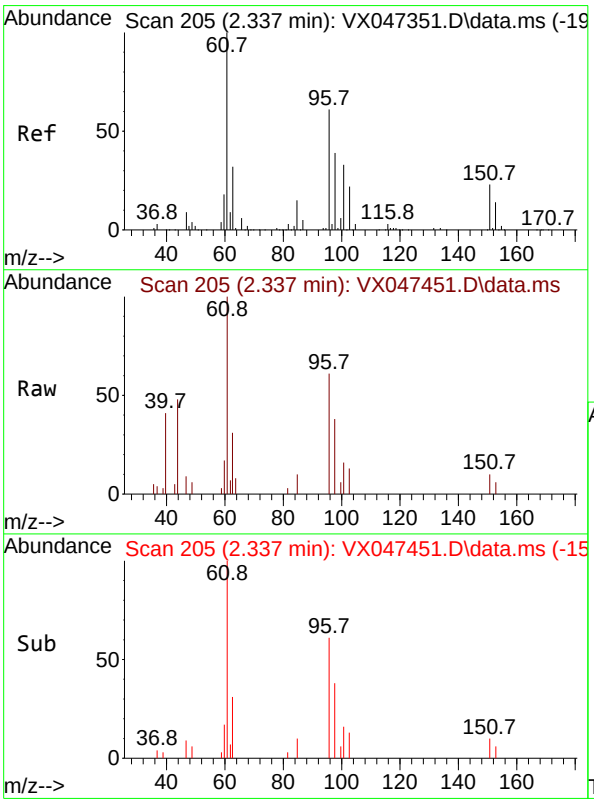
Ion	Ratio	Lower	Upper
101	100		
85	46.0	34.3	51.5
151	87.9	59.2	88.8

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

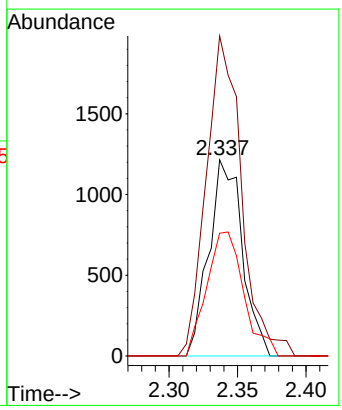


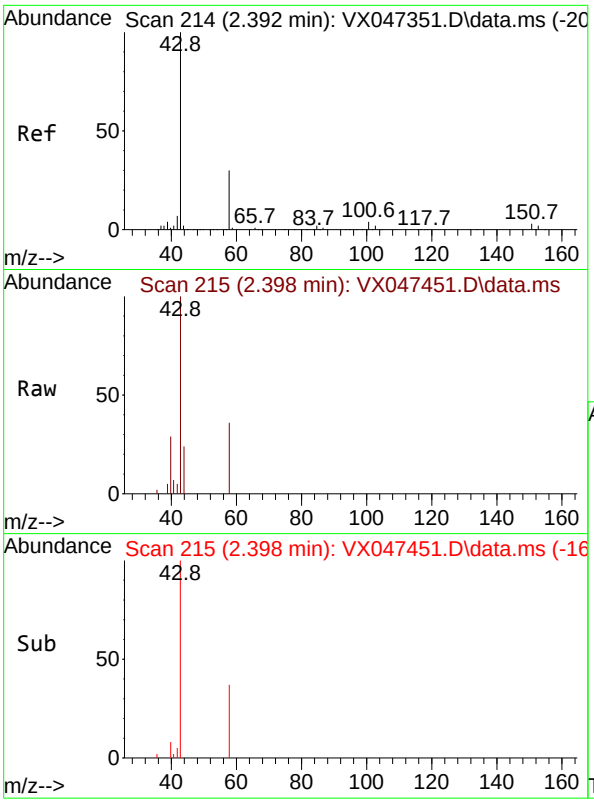


#12
1,1-Dichloroethene
Concen: 0.759 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 96 Resp: 2062

Ion	Ratio	Lower	Upper
96	100		
61	163.1	132.2	198.2
98	62.6	51.2	76.8

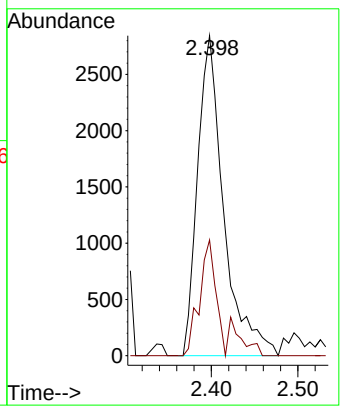




#16
Acetone
Concen: 5.243 ug/l
RT: 2.398 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 43 Resp: 595

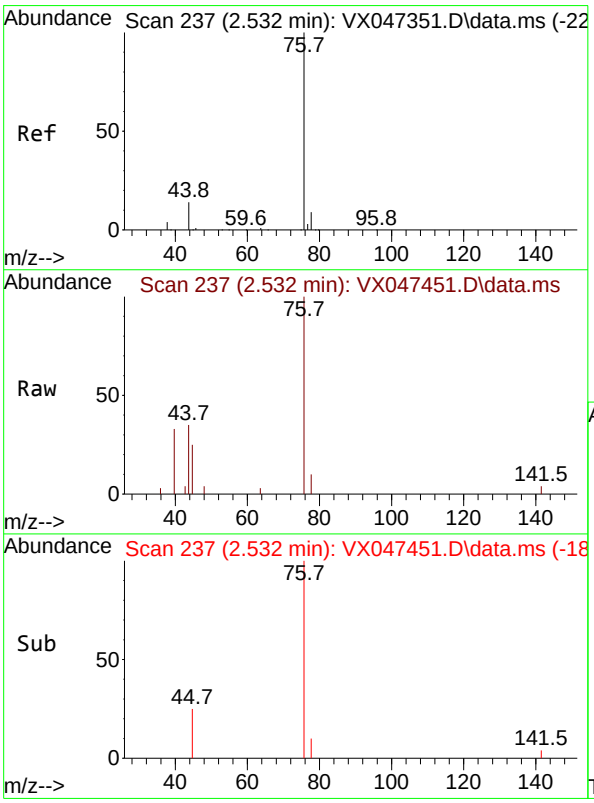
Ion	Ratio	Lower	Upper
43	100		
58	36.2	24.8	37.2



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Manual Integrations
APPROVED

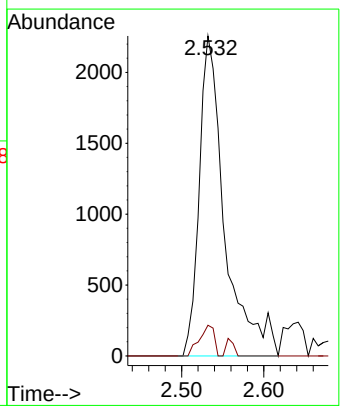
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

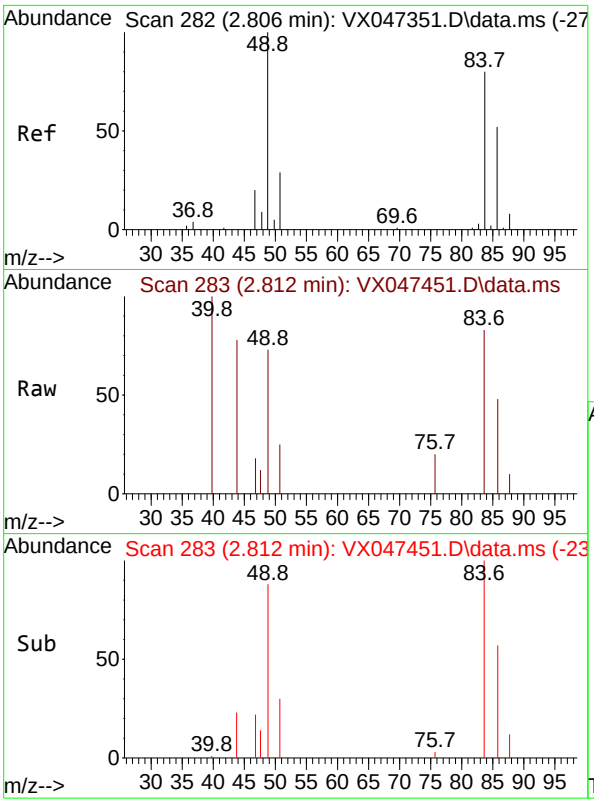


#17
Carbon Disulfide
Concen: 0.593 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 76 Resp: 4859

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

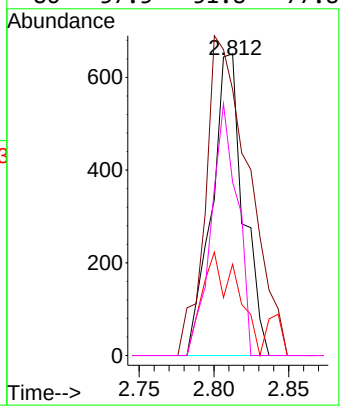




#20
Methylene Chloride
Concen: 0.319 ug/l
RT: 2.812 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 84 Resp: 95

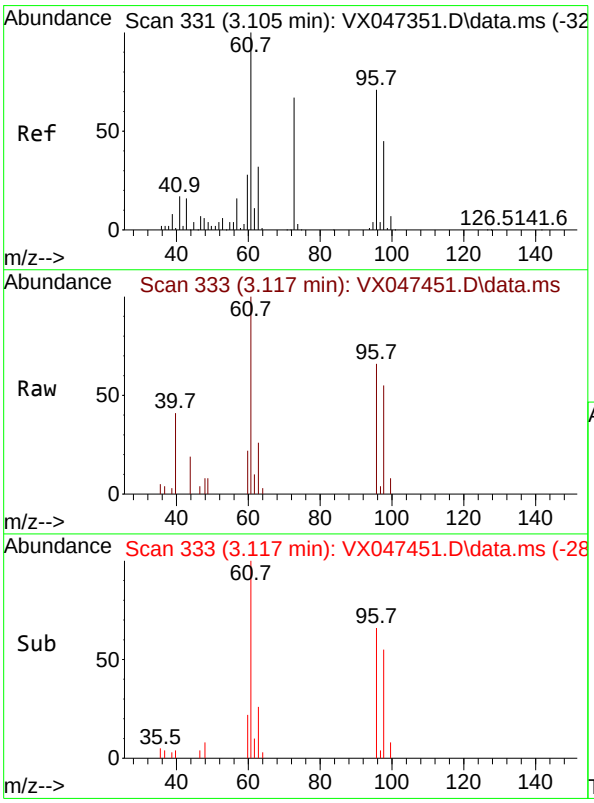
Ion	Ratio	Lower	Upper
84	100		
49	88.2	100.1	150.1#
51	30.3	29.5	44.3
86	57.5	51.8	77.8



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Manual Integrations
APPROVED

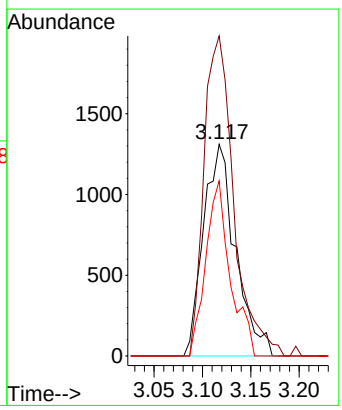
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

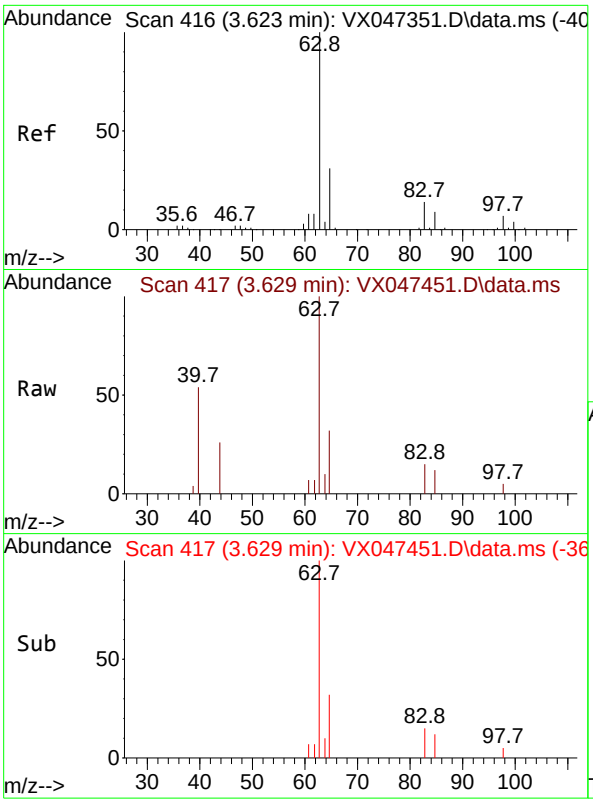


#21
trans-1,2-Dichloroethene
Concen: 1.047 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.012 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 96 Resp: 3018

Ion	Ratio	Lower	Upper
96	100		
61	151.1	112.6	169.0
98	82.8	50.9	76.3#

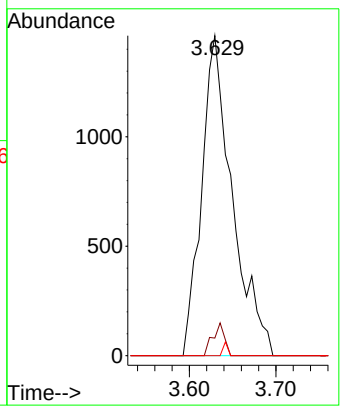




#24
1,1-Dichloroethane
Concen: 0.683 ug/l
RT: 3.629 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 63 Resp: 360

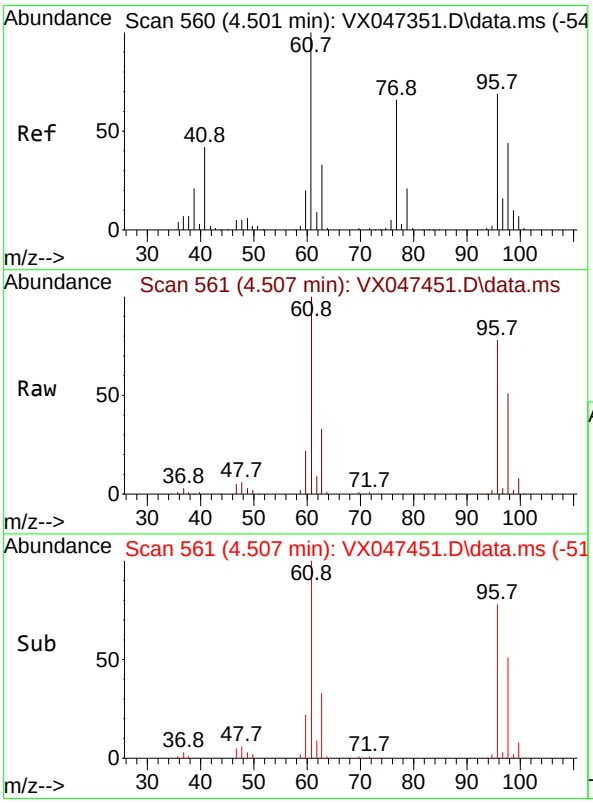
Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.3	9.9
100	0.0	2.1	6.3



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Manual Integrations
APPROVED

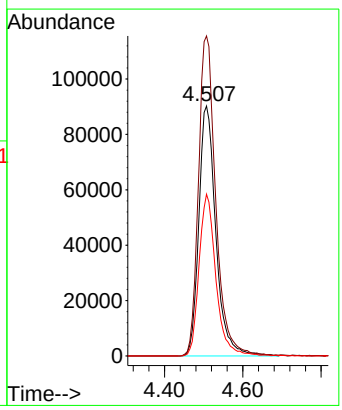
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

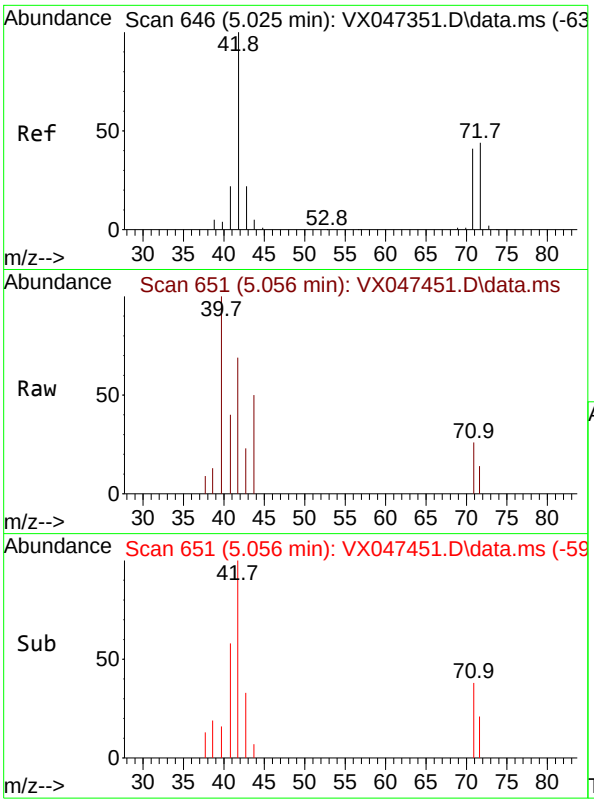


#27
cis-1,2-Dichloroethene
Concen: 81.407 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 96 Resp: 273342

Ion	Ratio	Lower	Upper
96	100		
61	129.7	0.0	296.6
98	63.7	0.0	130.4





#29
Tetrahydrofuran
Concen: 2.497 ug/l m
RT: 5.056 min Scan# 6
Delta R.T. 0.031 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

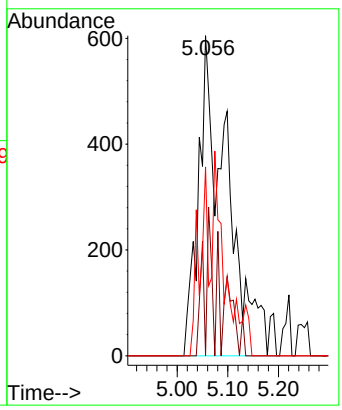
Tgt Ion: 42 Resp: 239

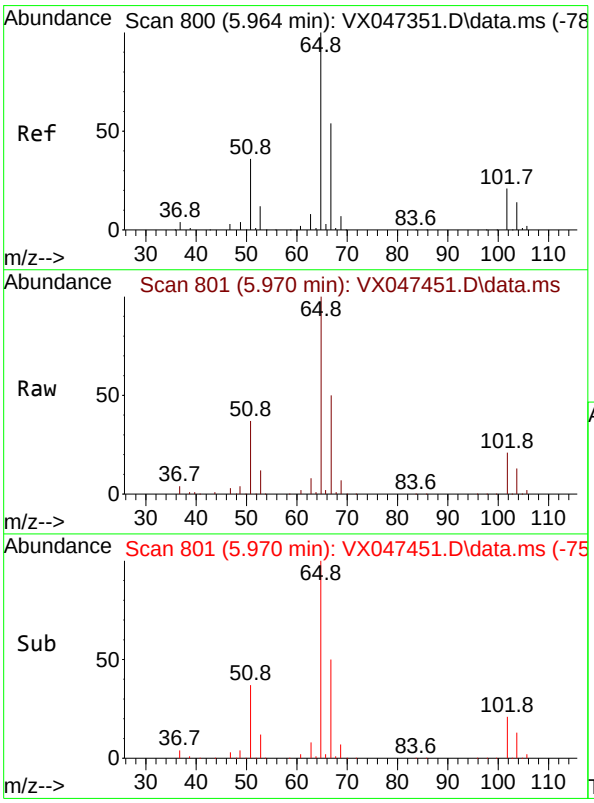
Ion	Ratio	Lower	Upper
42	100		
72	6.8	34.6	51.8#
71	17.4	32.6	49.0#

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

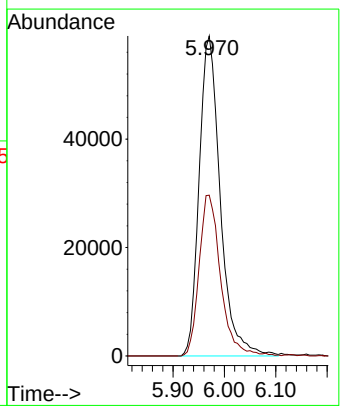


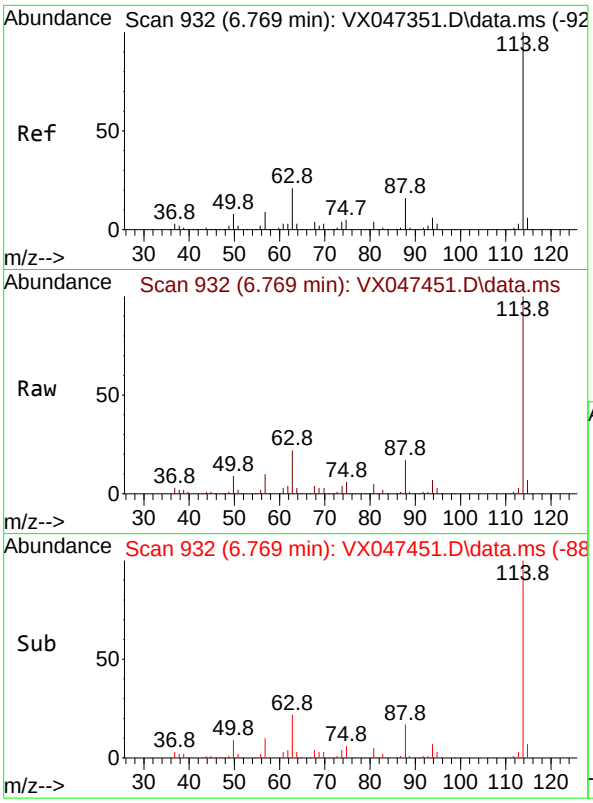


#33
1,2-Dichloroethane-d4
Concen: 55.735 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 65 Resp: 168273

Ion	Ratio	Lower	Upper
65	100		
67	51.2	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: VX047451.D
Acq: 20 Aug 2025 18:18

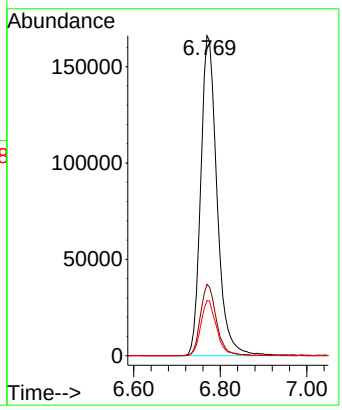
Tgt Ion:114 Resp: 43233

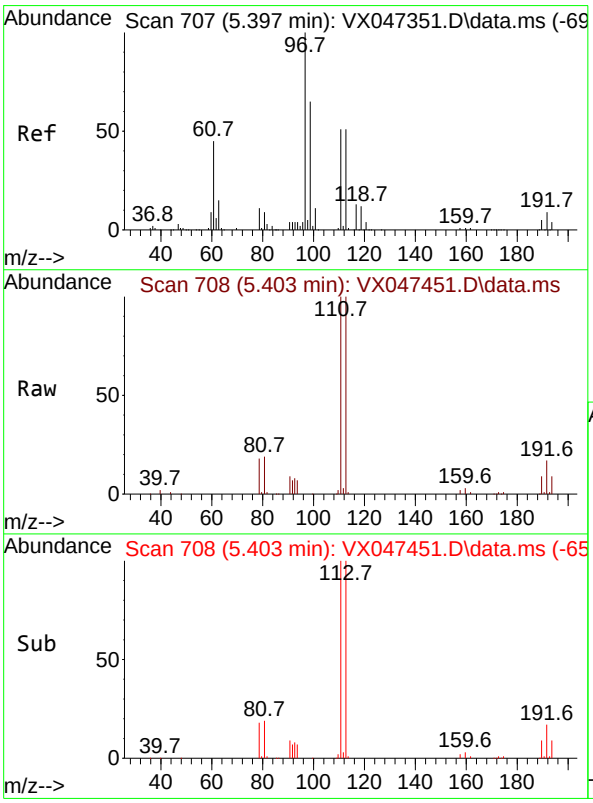
Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	42.4
88	17.2	0.0	33.0

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

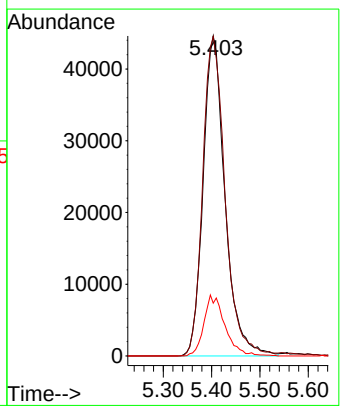


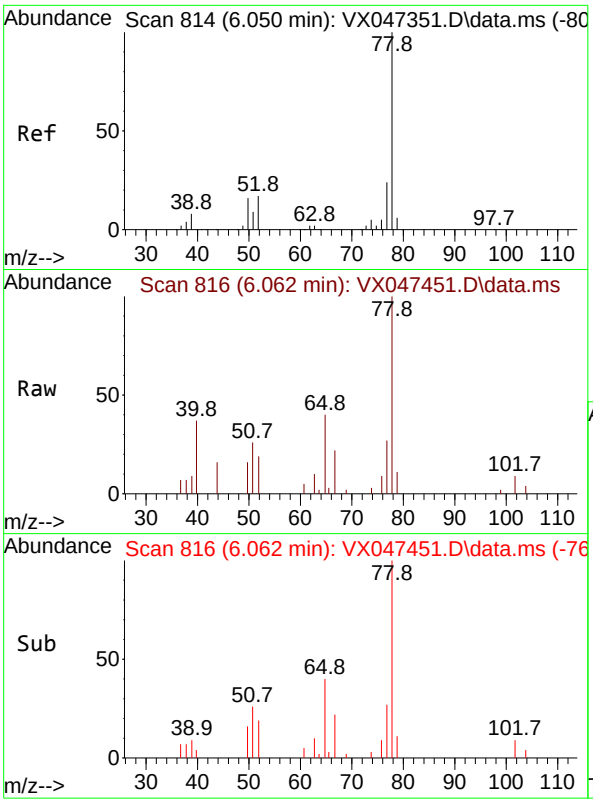


#35
Dibromofluoromethane
Concen: 49.940 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion:113 Resp: 140124

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.2
192	18.4	14.1	21.1

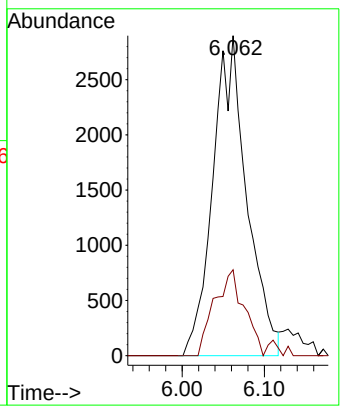




#40
Benzene
Concen: 0.627 ug/l
RT: 6.062 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 78 Resp: 830

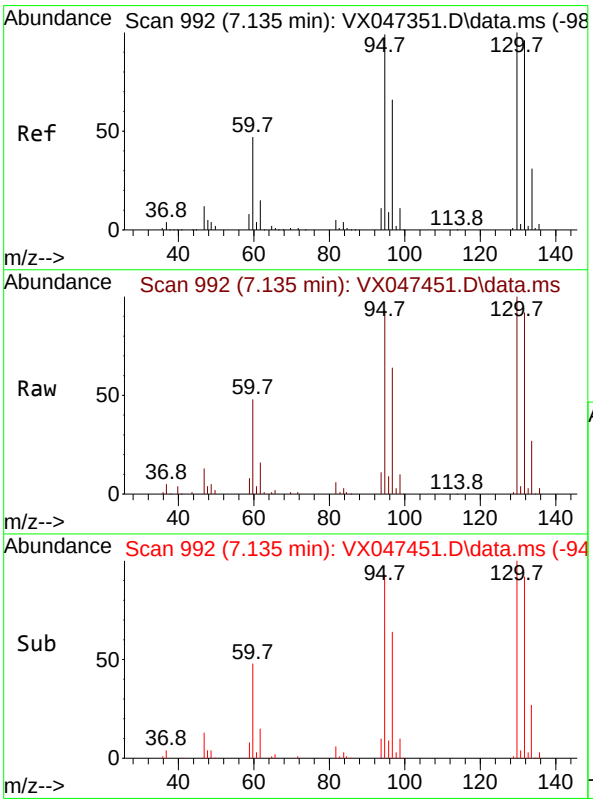
Ion	Ratio	Lower	Upper
78	100		
77	26.8	19.0	28.4



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Manual Integrations
APPROVED

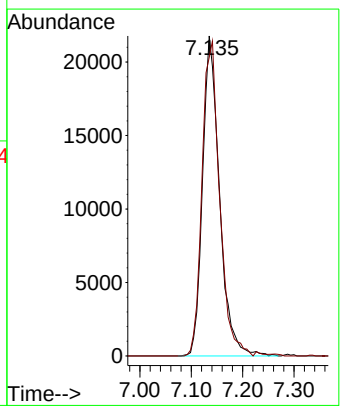
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

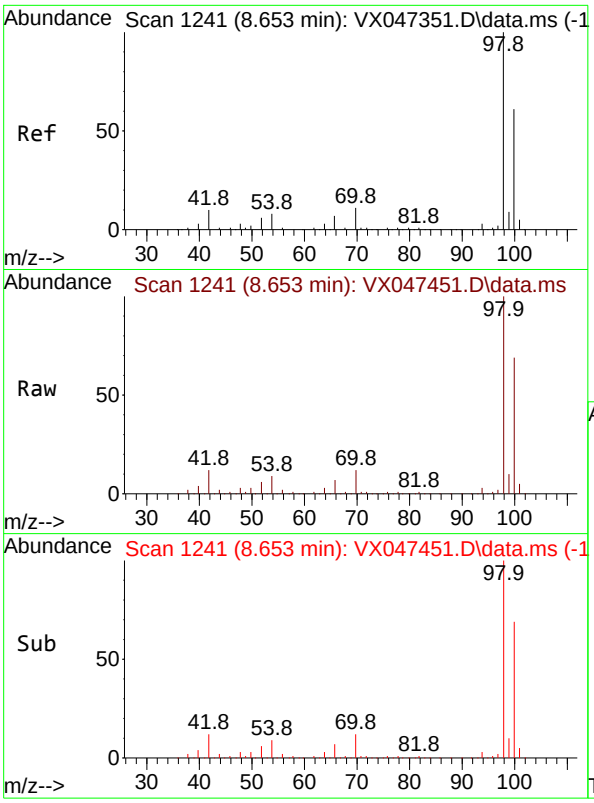


#44
Trichloroethene
Concen: 14.693 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion:130 Resp: 49879

Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	198.6

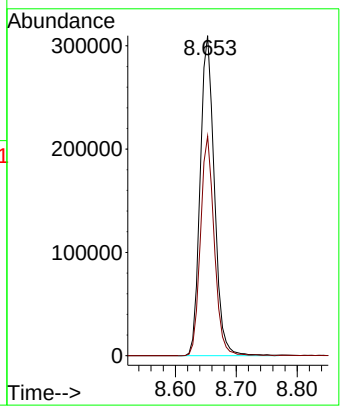




#50
Toluene-d8
Concen: 50.085 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 98 Resp: 50229

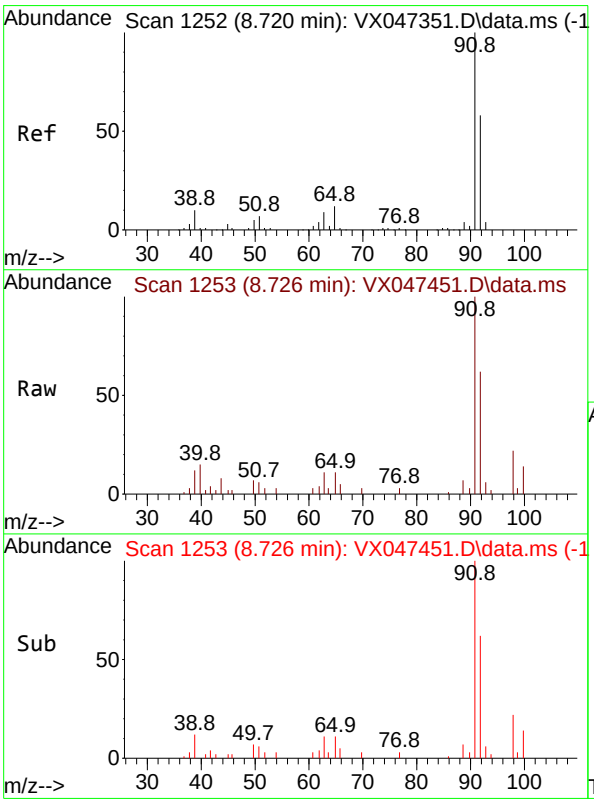
Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.9	80.9



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Manual Integrations
APPROVED

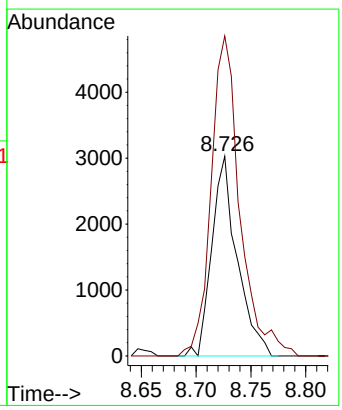
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

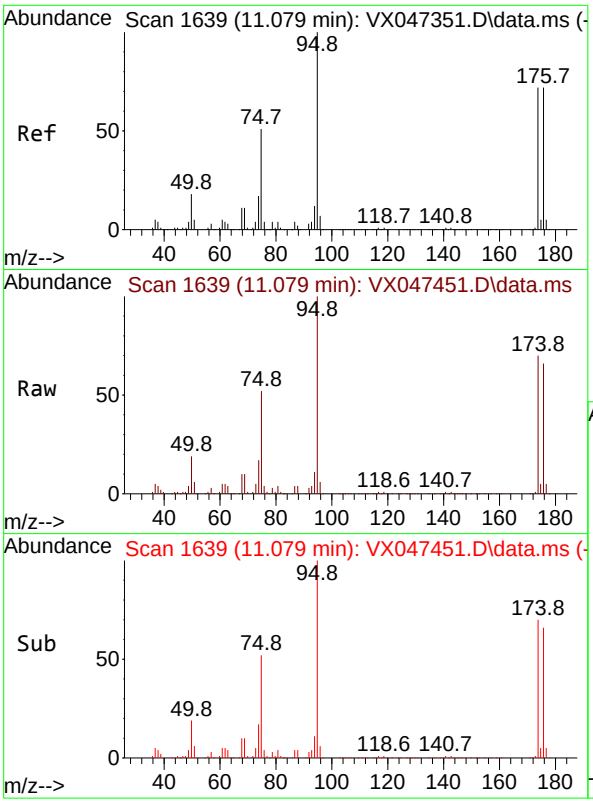


#52
Toluene
Concen: 0.592 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 92 Resp: 4849

Ion	Ratio	Lower	Upper
92	100		
91	182.9	136.3	204.5

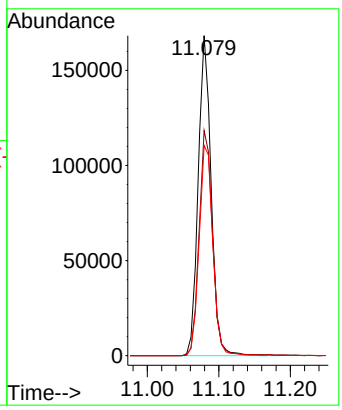




#62
4-Bromofluorobenzene
Concen: 57.095 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 95 Resp: 21130

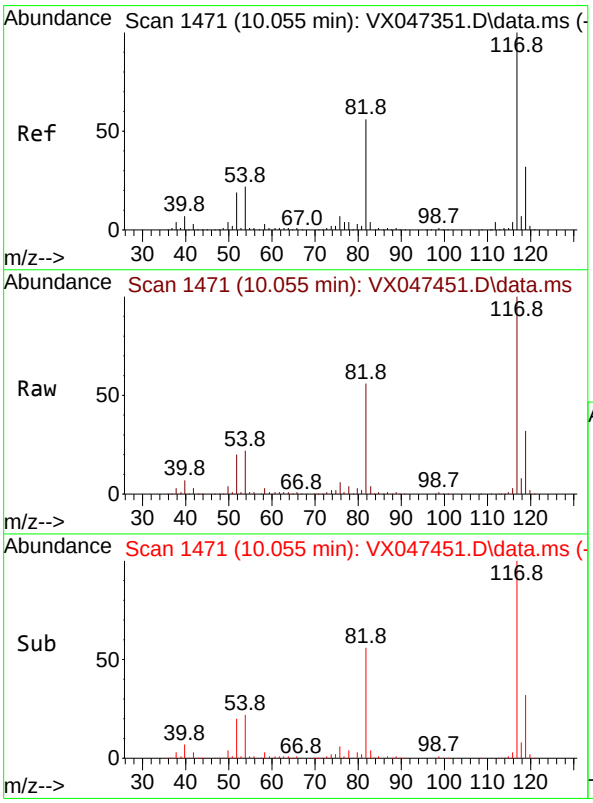
Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	148.0
176	69.5	0.0	145.4



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Manual Integrations
APPROVED

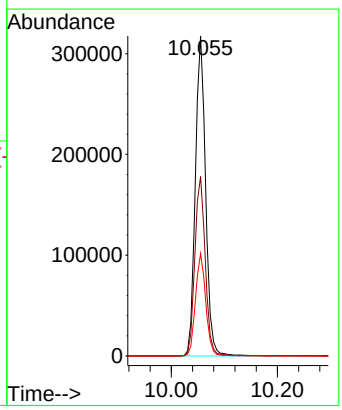
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

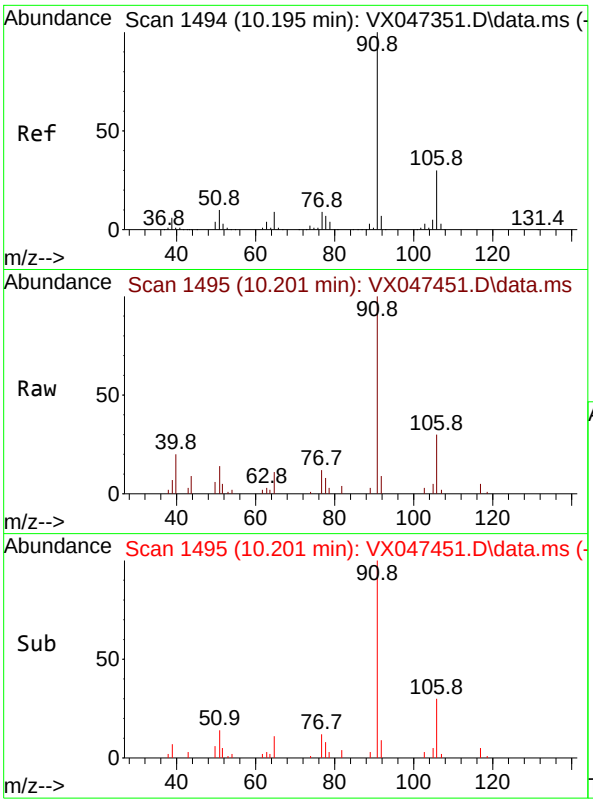


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion:117 Resp: 427580

Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.0	67.4
119	32.0	25.8	38.8





#67
Ethyl Benzene
Concen: 0.420 ug/l
RT: 10.201 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

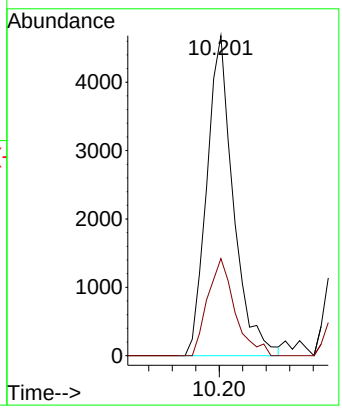
Tgt Ion: 91 Resp: 735

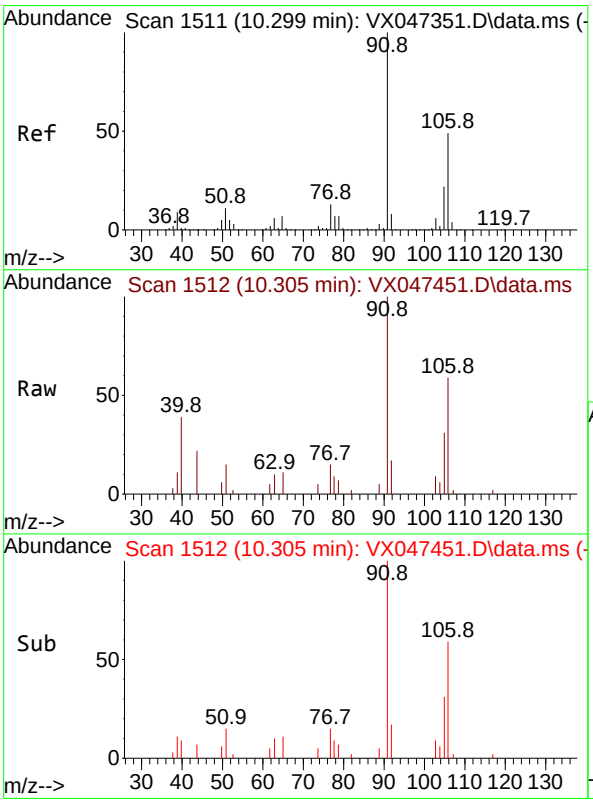
Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.4	36.6

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

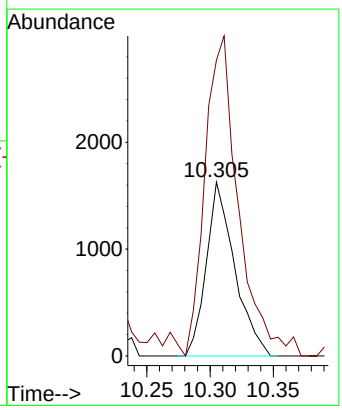


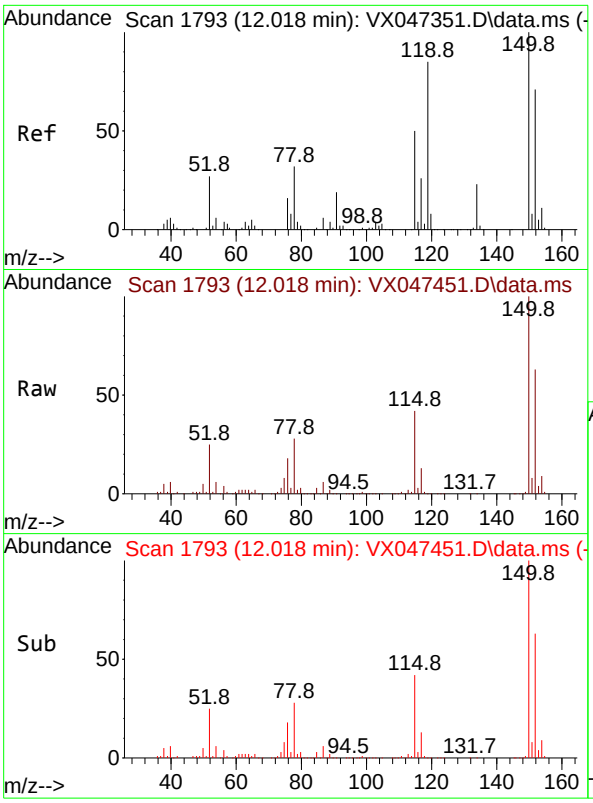


#68
m/p-Xylenes
Concen: 0.389 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion:106 Resp: 2534

Ion	Ratio	Lower	Upper
106	100		
91	216.9	164.7	247.1

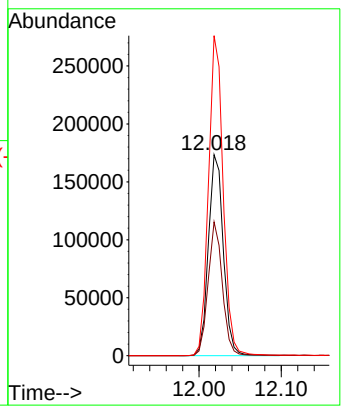




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion:152 Resp: 21926

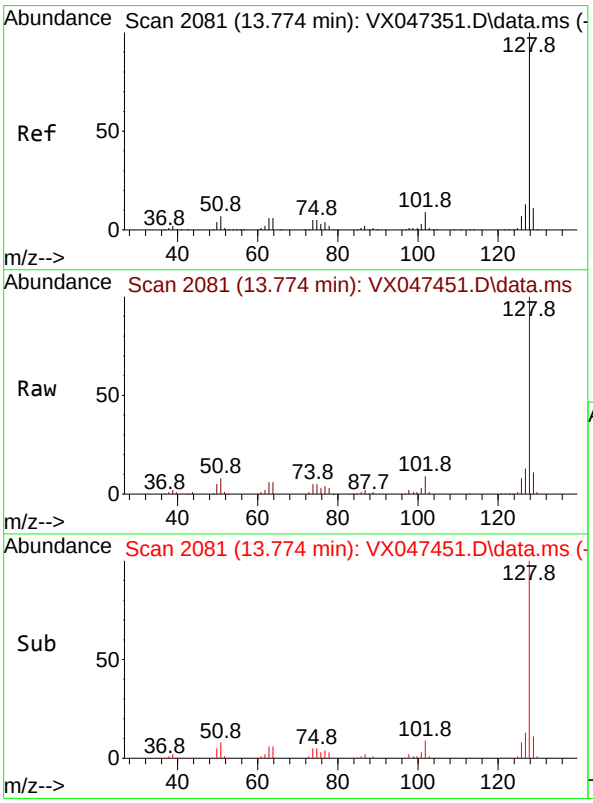
Ion	Ratio	Lower	Upper
152	100		
115	63.4	44.6	133.8
150	156.6	0.0	349.8



Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Manual Integrations
APPROVED

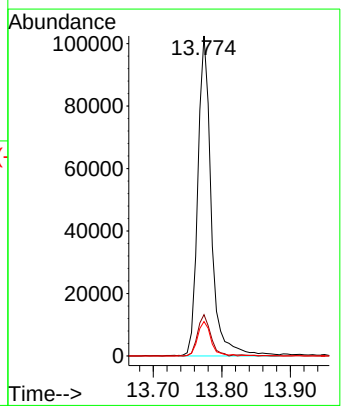
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#95
Naphthalene
Concen: 9.645 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion:128 Resp: 140385

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.7	8.7	13.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047452.D
Acq On : 20 Aug 2025 18:40
Operator : JC/MD
Sample : Q2878-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Quant Time: Aug 21 01:38:17 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

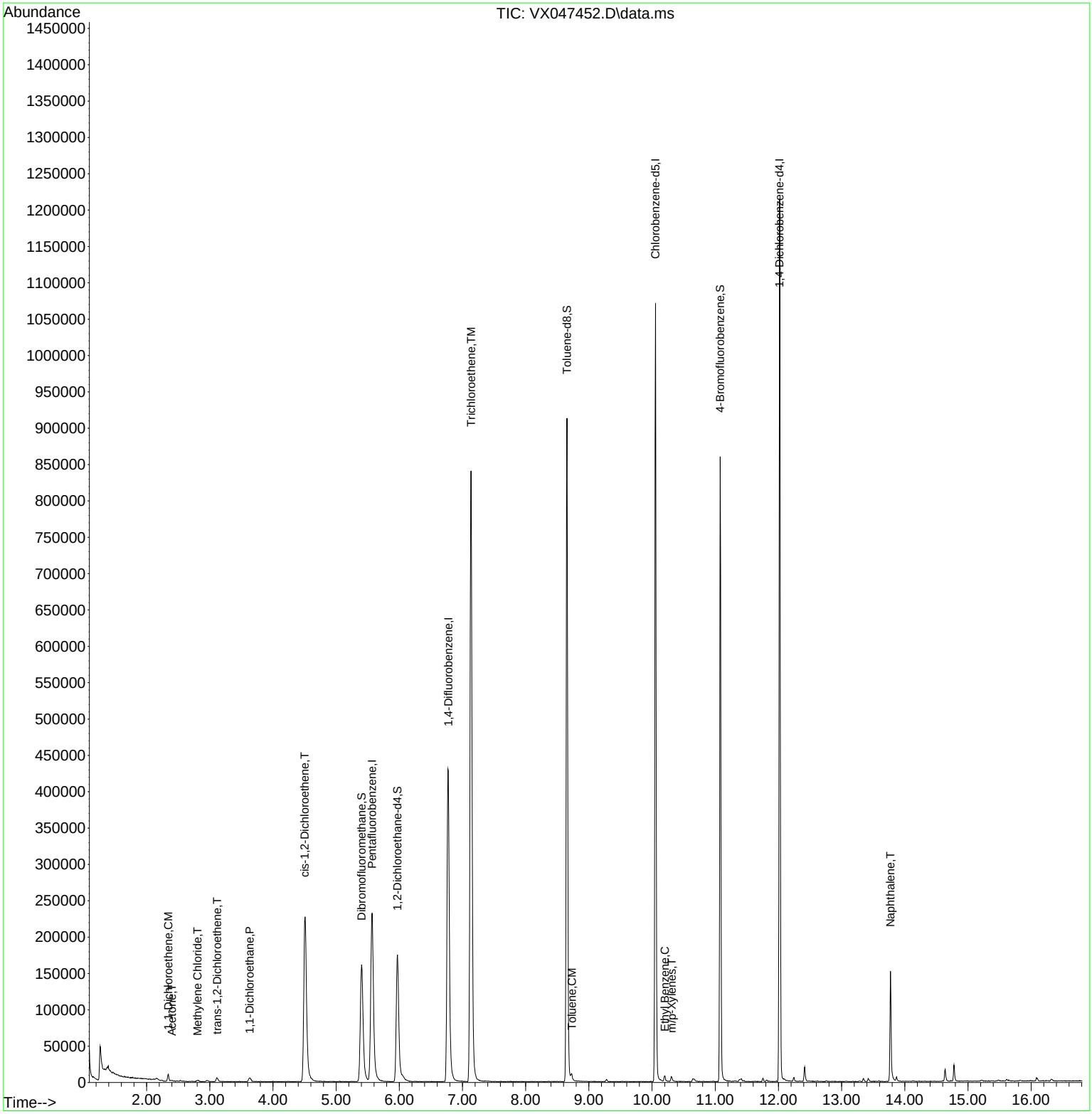
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	233413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	475099	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	465473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	242657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	184033	56.336	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.680%			
35) Dibromofluoromethane	5.403	113	155611	50.467	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.940%			
50) Toluene-d8	8.653	98	544870	49.439	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.880%			
62) 4-Bromofluorobenzene	11.079	95	231003	56.800	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.600%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.343	96	3613	1.229	ug/l #	90
16) Acetone	2.398	43	1834	1.494	ug/l	92
20) Methylene Chloride	2.806	84	922	0.284	ug/l	89
21) trans-1,2-Dichloroethene	3.117	96	2574	0.825	ug/l	96
24) 1,1-Dichloroethane	3.629	63	7002	1.228	ug/l #	93
27) cis-1,2-Dichloroethene	4.501	96	163315	44.953	ug/l	89
44) Trichloroethene	7.135	130	343338	92.036	ug/l	96
52) Toluene	8.732	92	3358	0.373	ug/l	84
67) Ethyl Benzene	10.201	91	5646	0.297	ug/l #	85
68) m/p-Xylenes	10.311	106	2227	0.314	ug/l	87
95) Naphthalene	13.774	128	103253	6.410	ug/l	99

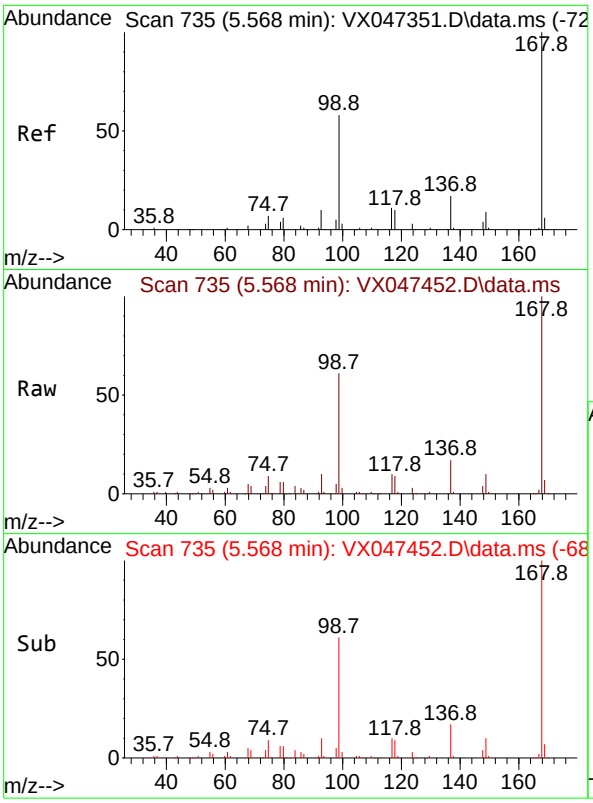
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047452.D
Acq On : 20 Aug 2025 18:40
Operator : JC/MD
Sample : Q2878-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Quant Time: Aug 21 01:38:17 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



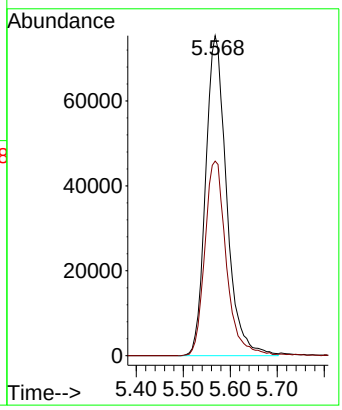


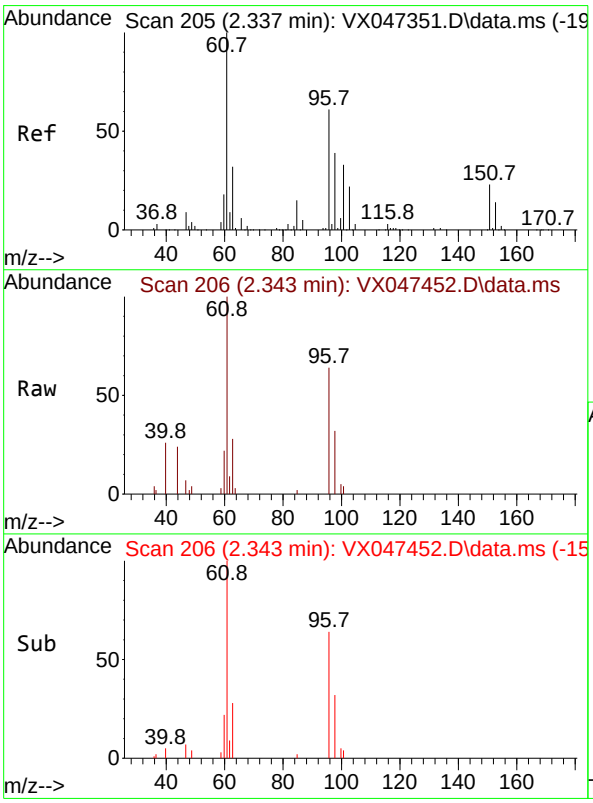
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:168 Resp: 233413

Ion	Ratio	Lower	Upper
168	100		
99	60.8	47.9	71.9

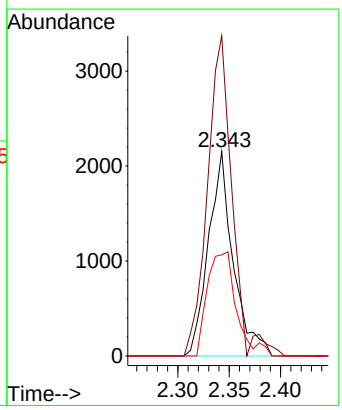


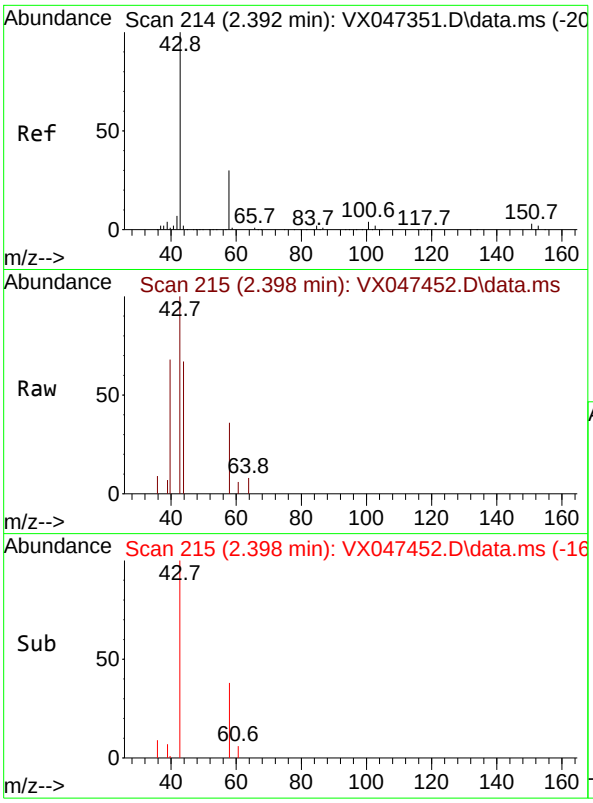


#12
1,1-Dichloroethene
Concen: 1.229 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 96 Resp: 3613

Ion	Ratio	Lower	Upper
96	100		
61	156.6	132.2	198.2
98	49.5	51.2	76.8#



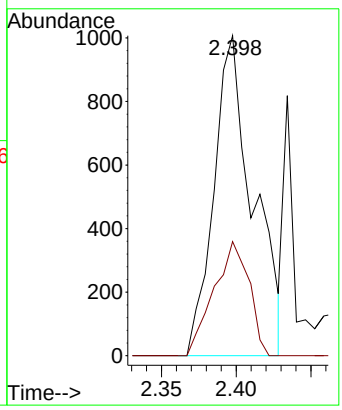


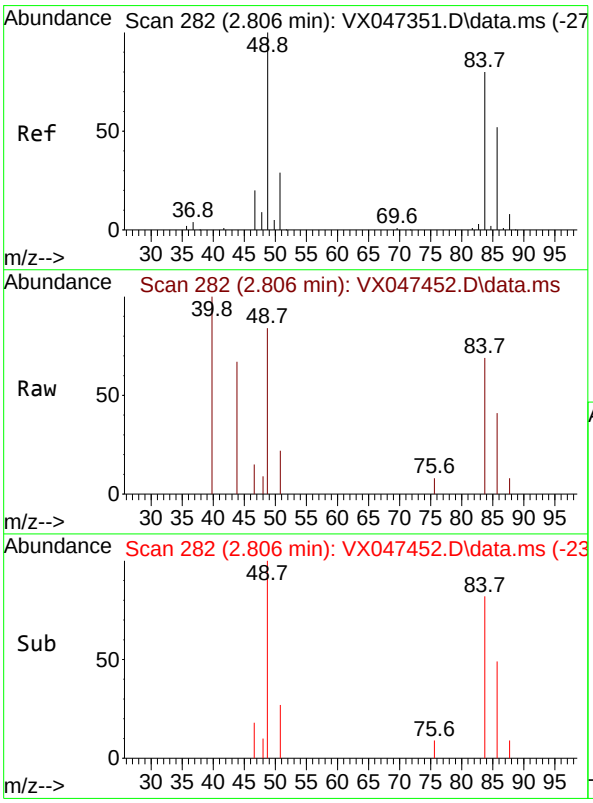
#16
Acetone
Concen: 1.494 ug/l
RT: 2.398 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion: 43 Resp: 1834

Ion	Ratio	Lower	Upper
43	100		
58	35.7	24.8	37.2

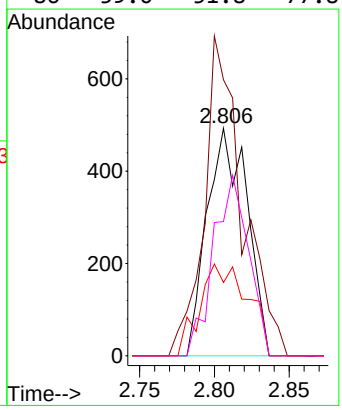


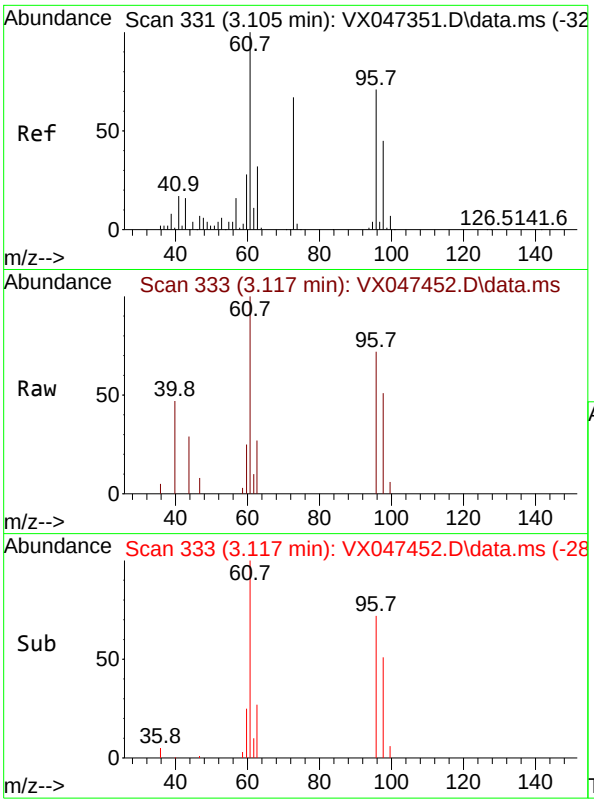


#20
Methylene Chloride
Concen: 0.284 ug/l
RT: 2.806 min Scan# 282
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 84 Resp: 922

Ion	Ratio	Lower	Upper
84	100		
49	110.3	100.1	150.1
51	32.3	29.5	44.3
86	59.0	51.8	77.8



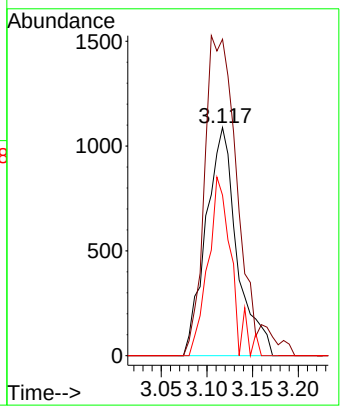


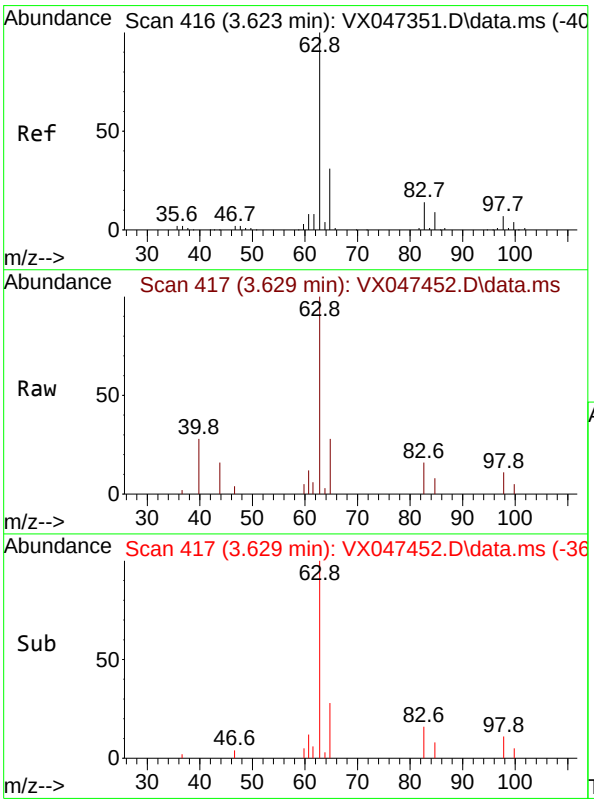
#21
trans-1,2-Dichloroethene
Concen: 0.825 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion: 96 Resp: 2574

Ion	Ratio	Lower	Upper
96	100		
61	138.7	112.6	169.0
98	70.3	50.9	76.3

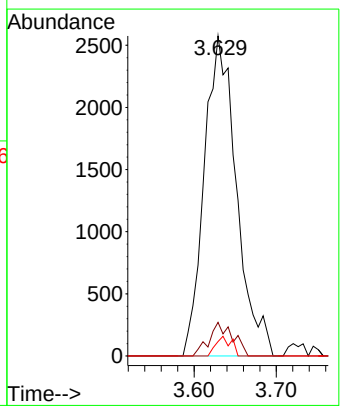


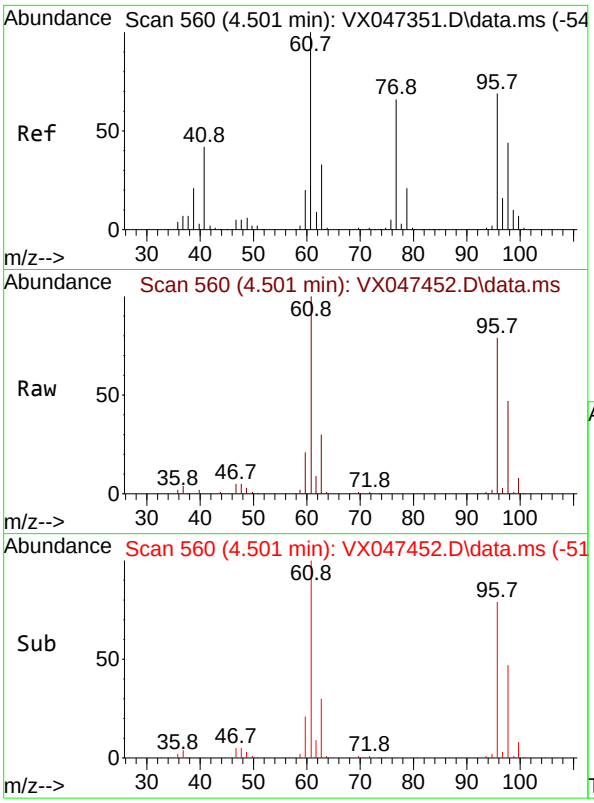


#24
1,1-Dichloroethane
Concen: 1.228 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.006 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 63 Resp: 7002

Ion	Ratio	Lower	Upper
63	100		
98	10.5	3.3	9.9#
100	4.5	2.1	6.3



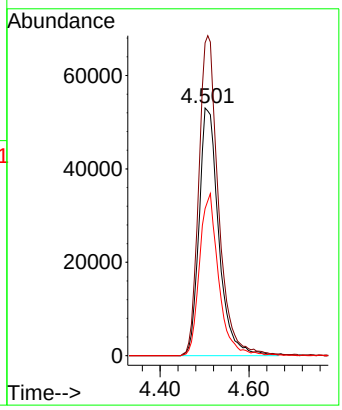


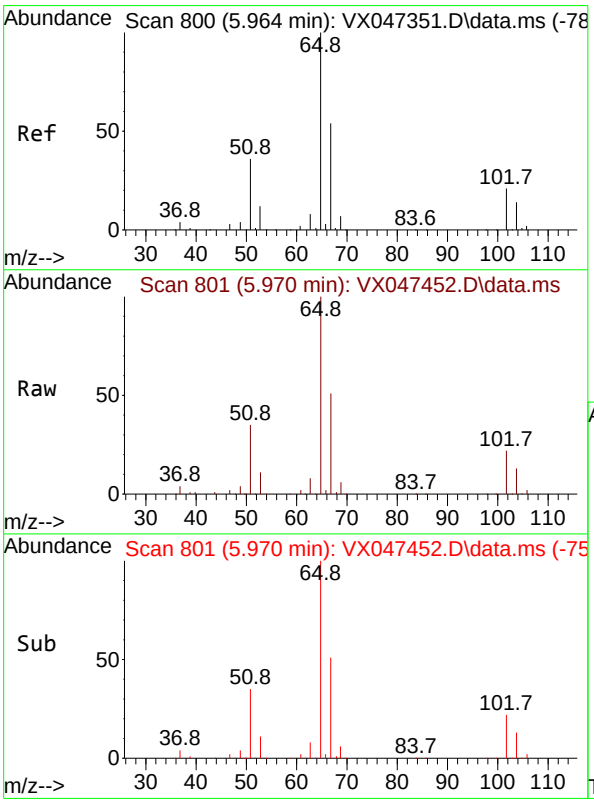
#27
cis-1,2-Dichloroethene
Concen: 44.953 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion: 96 Resp: 163315

Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	296.6
98	63.6	0.0	130.4

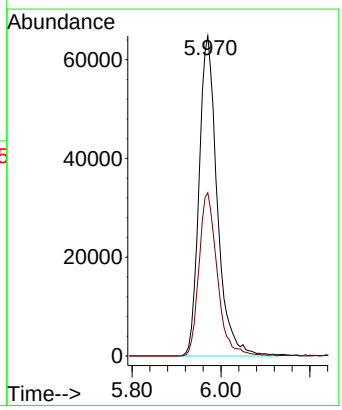


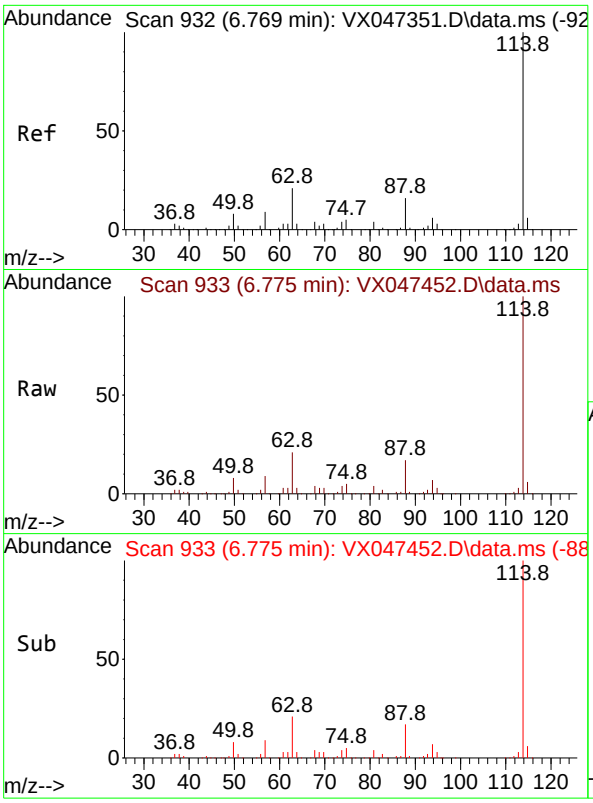


#33
1,2-Dichloroethane-d4
Concen: 56.336 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 65 Resp: 184033

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.0



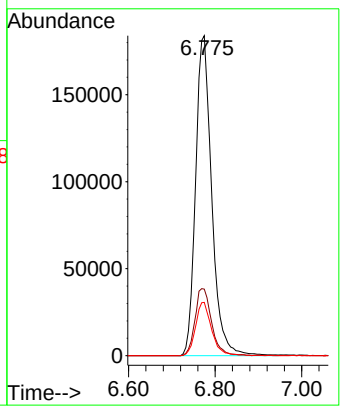


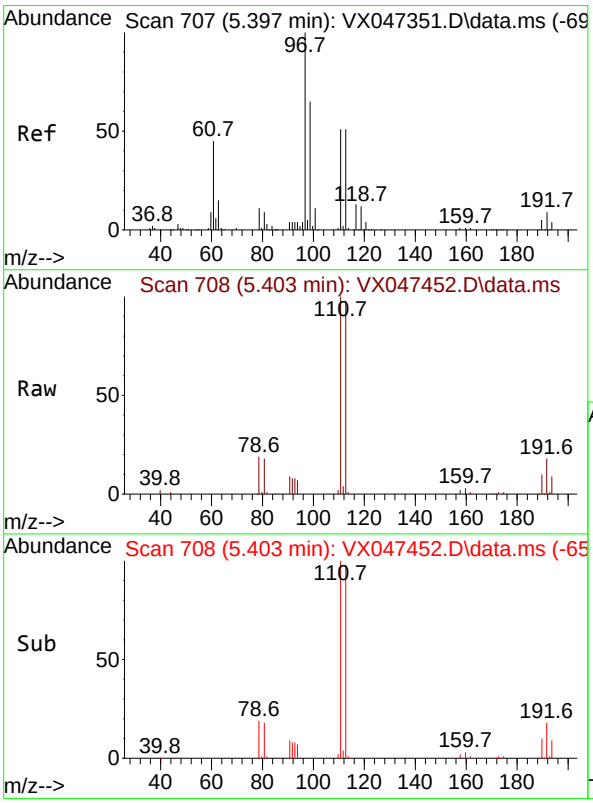
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:114 Resp: 475099

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.4
88	16.7	0.0	33.0

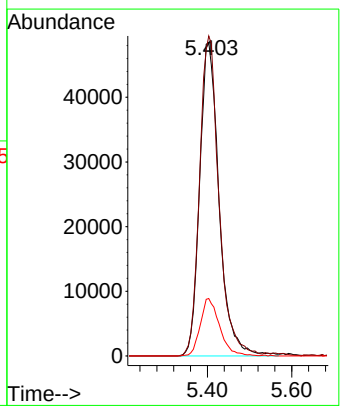


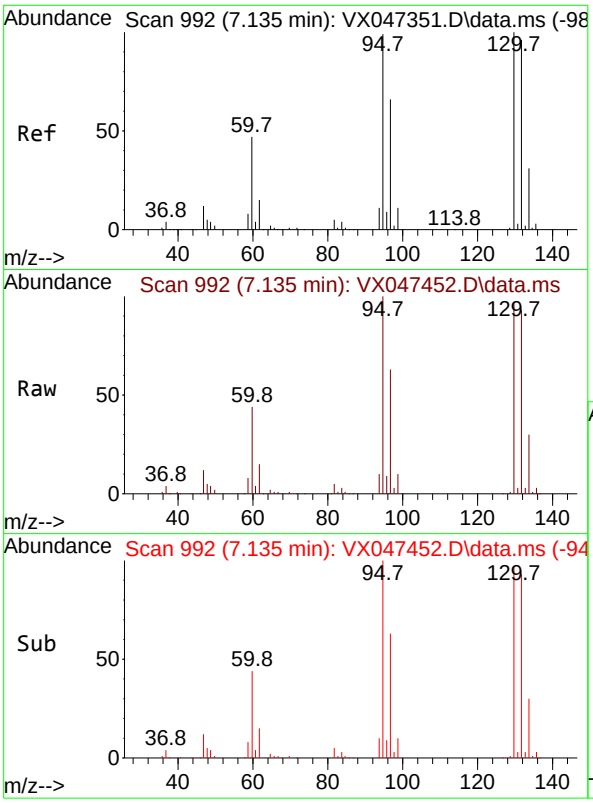


#35
Dibromofluoromethane
Concen: 50.467 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion:113 Resp: 155611

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.4	122.2
192	18.2	14.1	21.1



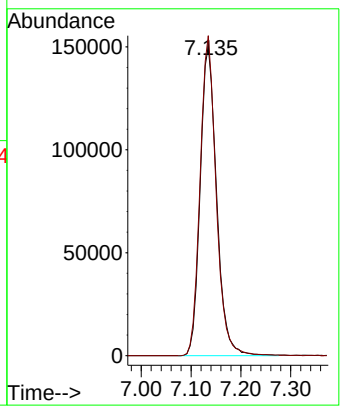


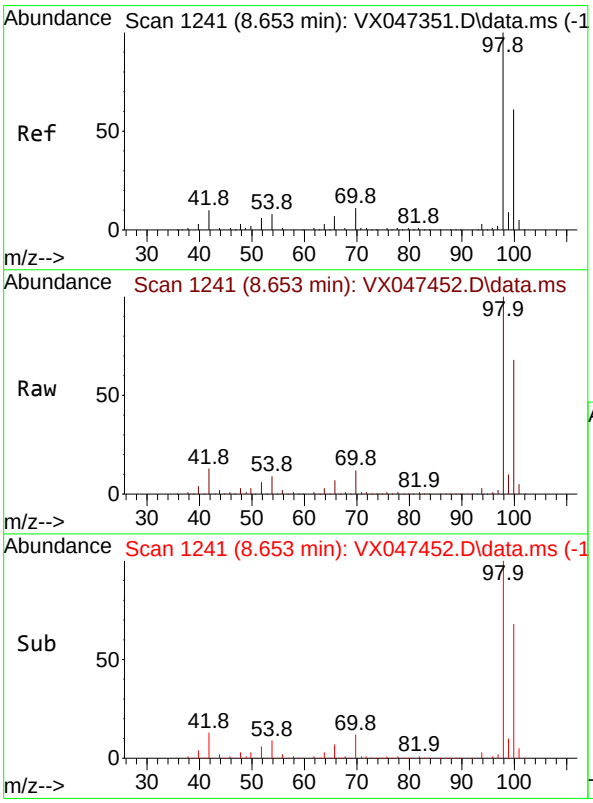
#44
Trichloroethene
Concen: 92.036 ug/l
RT: 7.135 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:130 Resp: 343338

Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	198.6

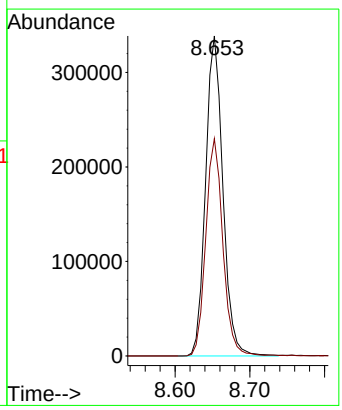


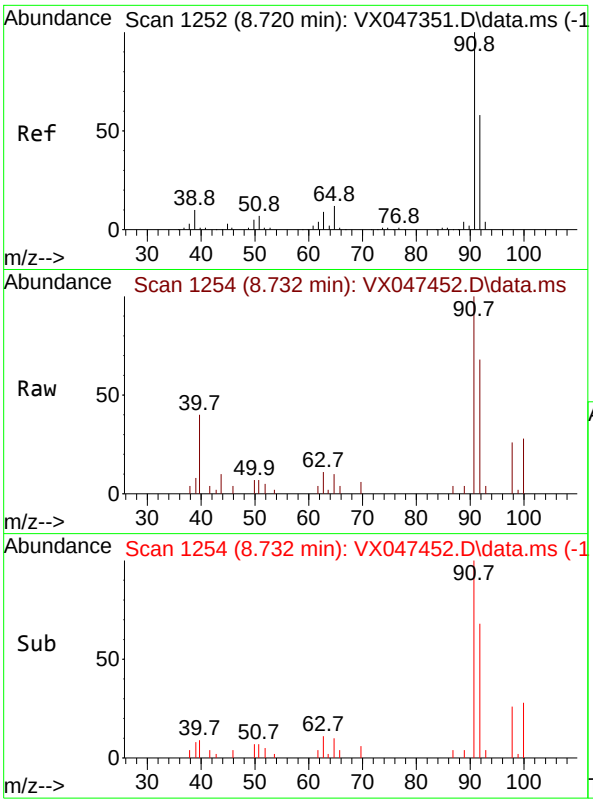


#50
Toluene-d8
Concen: 49.439 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 98 Resp: 544870

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.9	80.9



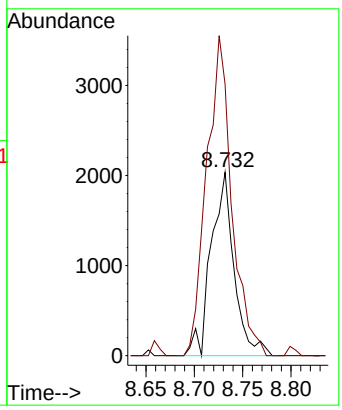


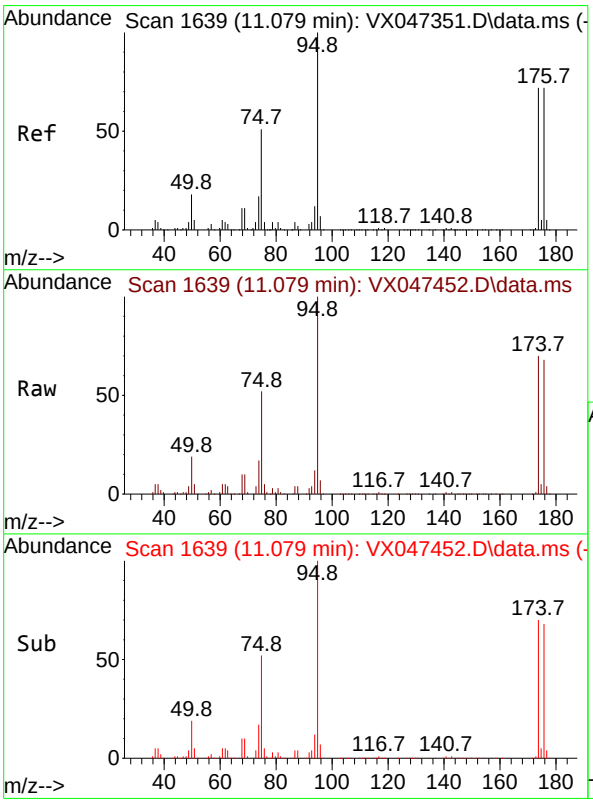
#52
Toluene
Concen: 0.373 ug/l
RT: 8.732 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion: 92 Resp: 3358

Ion	Ratio	Lower	Upper
92	100		
91	191.8	136.3	204.5

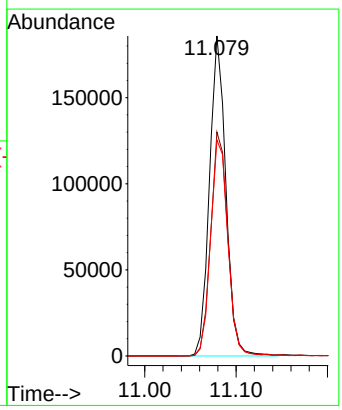


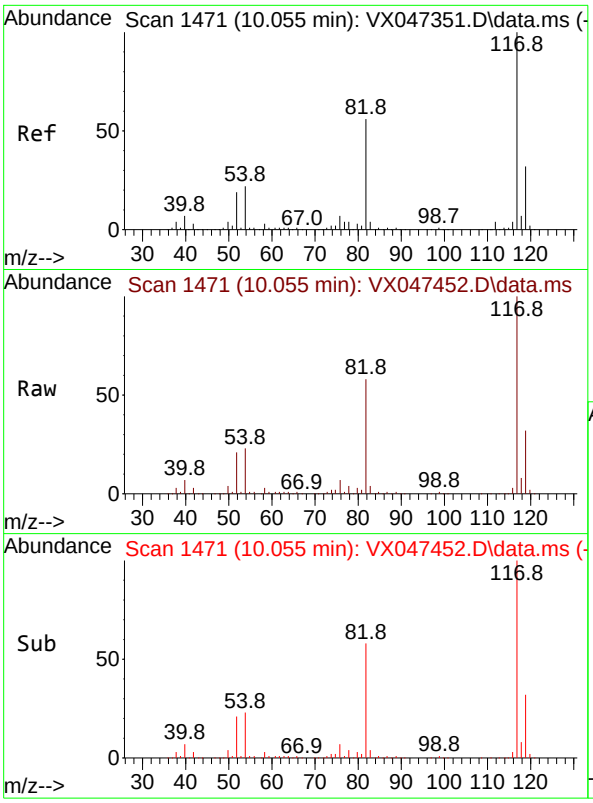


#62
4-Bromofluorobenzene
Concen: 56.800 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 95 Resp: 231003

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	148.0
176	71.1	0.0	145.4



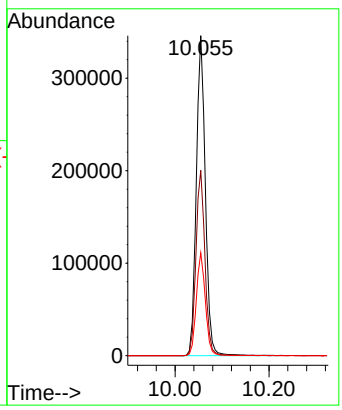


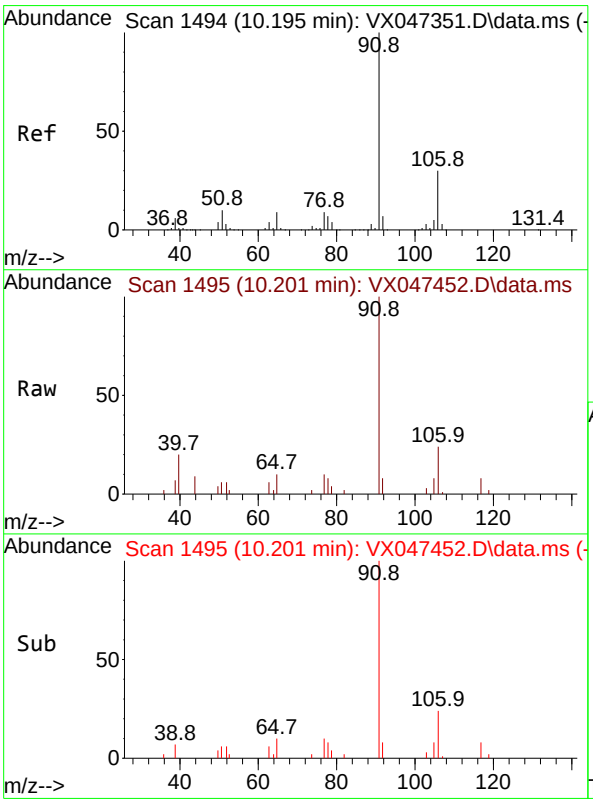
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:117 Resp: 465473

Ion	Ratio	Lower	Upper
117	100		
82	57.9	45.0	67.4
119	32.1	25.8	38.8

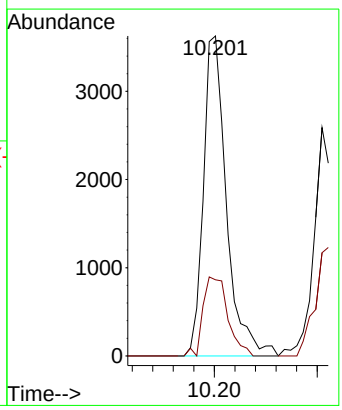


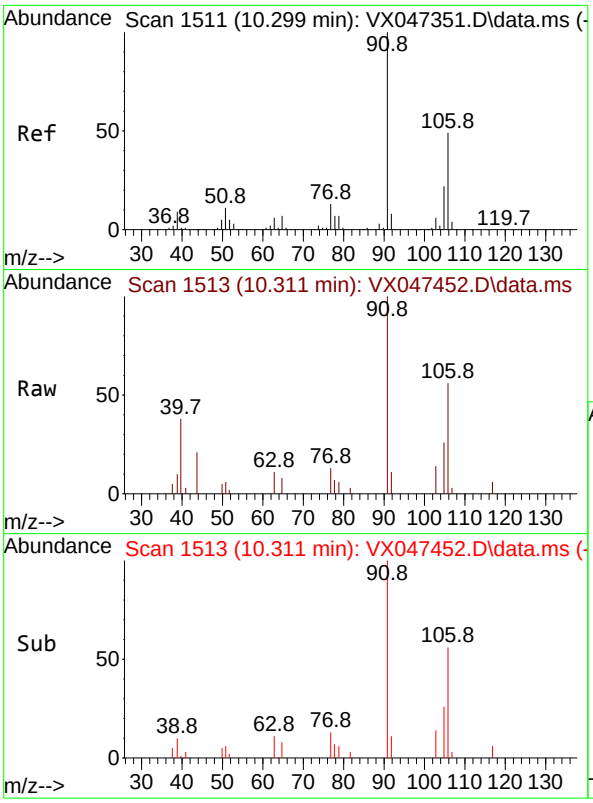


#67
Ethyl Benzene
Concen: 0.297 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 91 Resp: 5646

Ion	Ratio	Lower	Upper
91	100		
106	22.1	24.4	36.6#



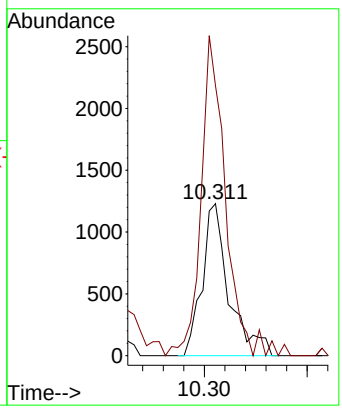


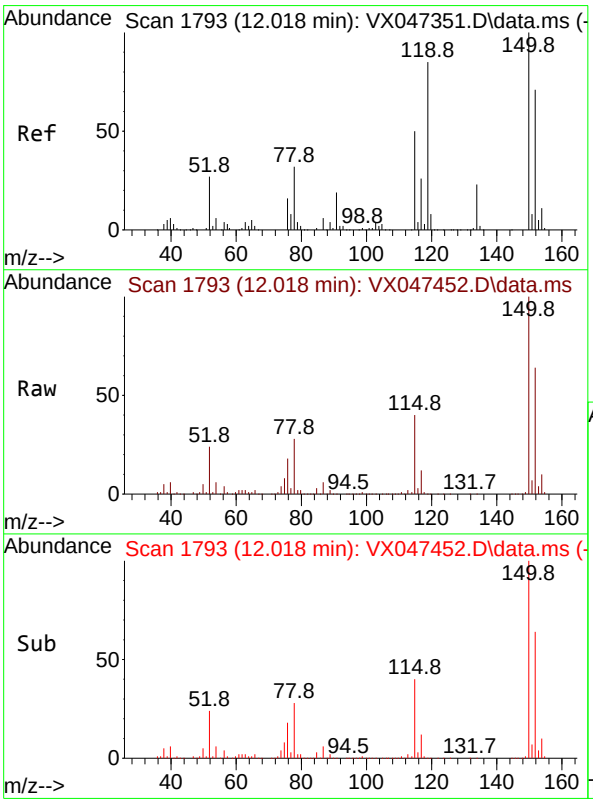
#68
m/p-Xylenes
Concen: 0.314 ug/l
RT: 10.311 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:106 Resp: 2227

Ion	Ratio	Lower	Upper
106	100		
91	185.1	164.7	247.1

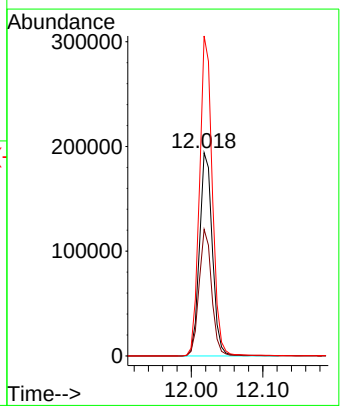


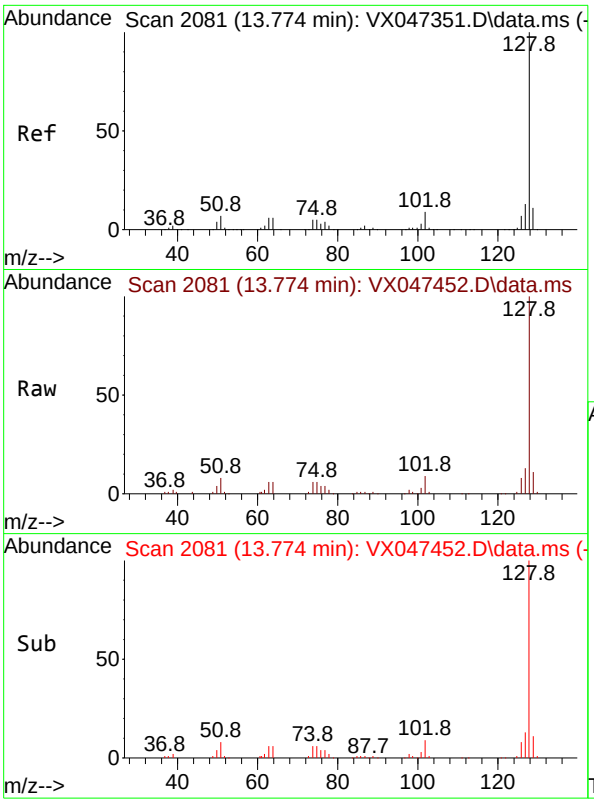


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion:152 Resp: 242657

Ion	Ratio	Lower	Upper
152	100		
115	60.9	44.6	133.8
150	157.1	0.0	349.8



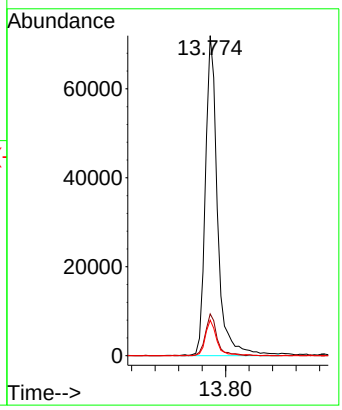


#95
Naphthalene
Concen: 6.410 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:128 Resp: 103253

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.2	8.7	13.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047441.D
Acq On : 20 Aug 2025 14:42
Operator : JC/MD
Sample : Q2878-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-081425

Quant Time: Aug 21 01:32:21 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	298809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	610463	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	600442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	294767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	241793	57.819	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.640%			
35) Dibromofluoromethane	5.403	113	199788	50.427	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.860%			
50) Toluene-d8	8.653	98	715700	50.540	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.080%			
62) 4-Bromofluorobenzene	11.079	95	287809	55.075	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.160%			

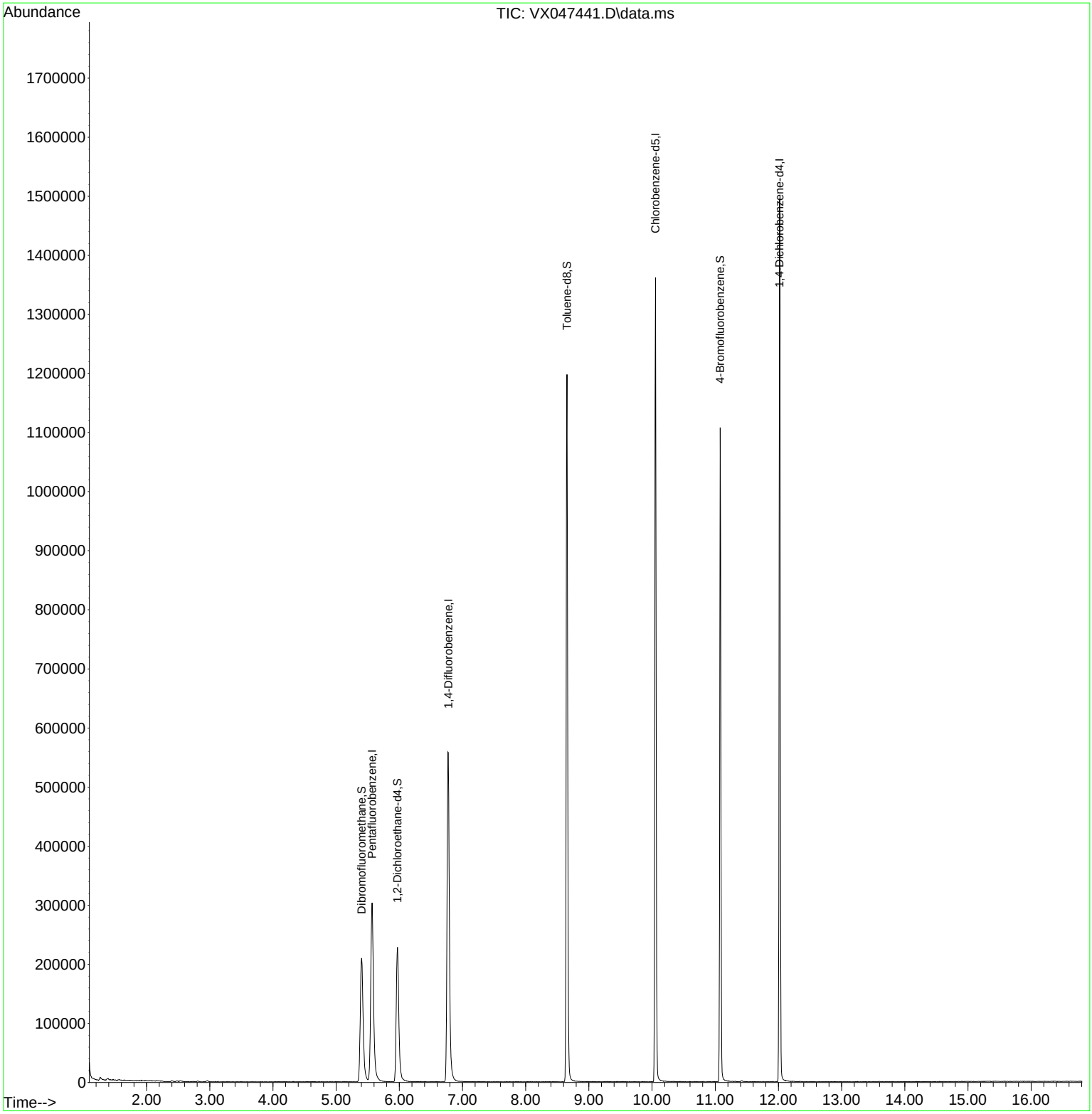
Target Compounds Qvalue

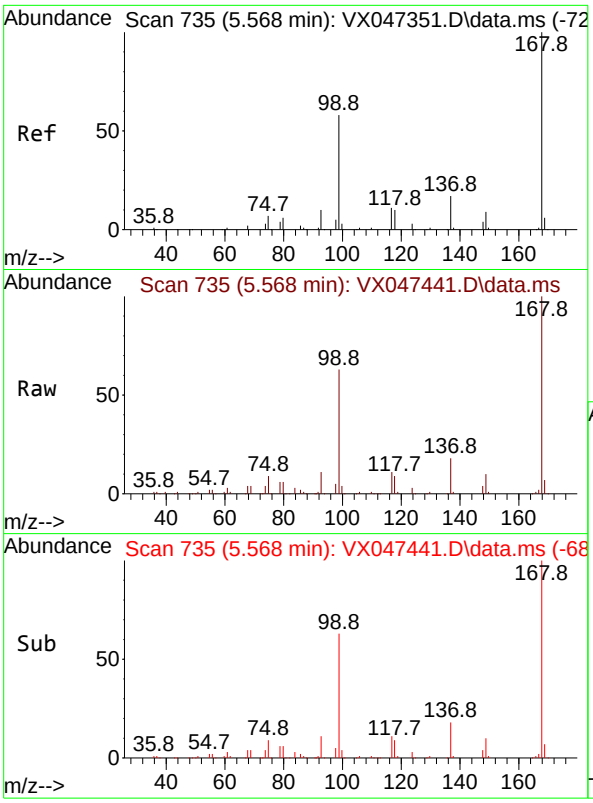
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047441.D
Acq On : 20 Aug 2025 14:42
Operator : JC/MD
Sample : Q2878-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-081425

Quant Time: Aug 21 01:32:21 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



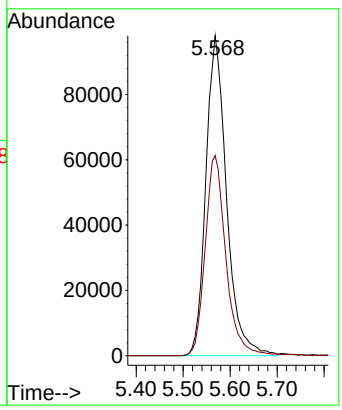


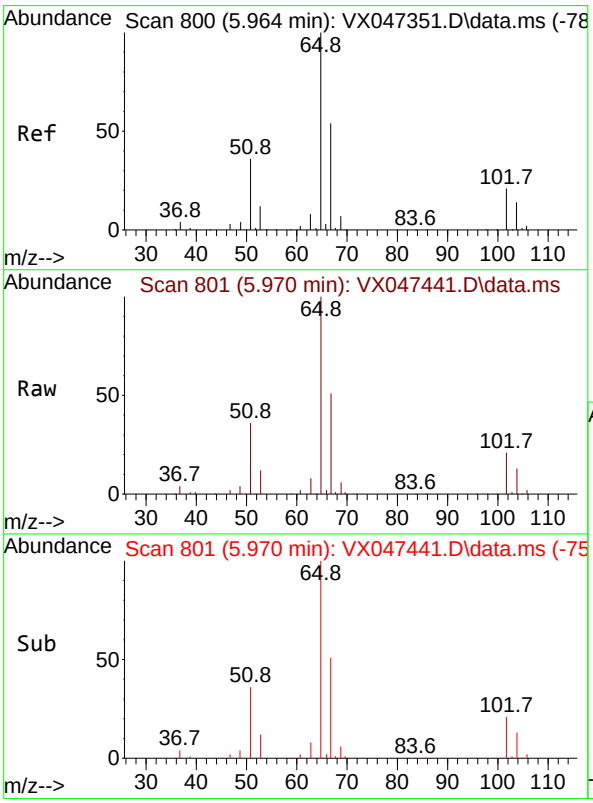
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047441.D
Acq: 20 Aug 2025 14:42

Instrument :
MSVOA_X
ClientSampleId :
TB01-081425

Tgt Ion:168 Resp: 298809

Ion	Ratio	Lower	Upper
168	100		
99	62.5	47.9	71.9

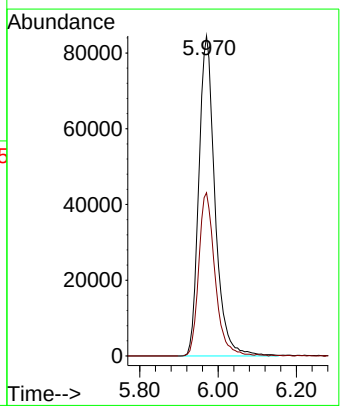


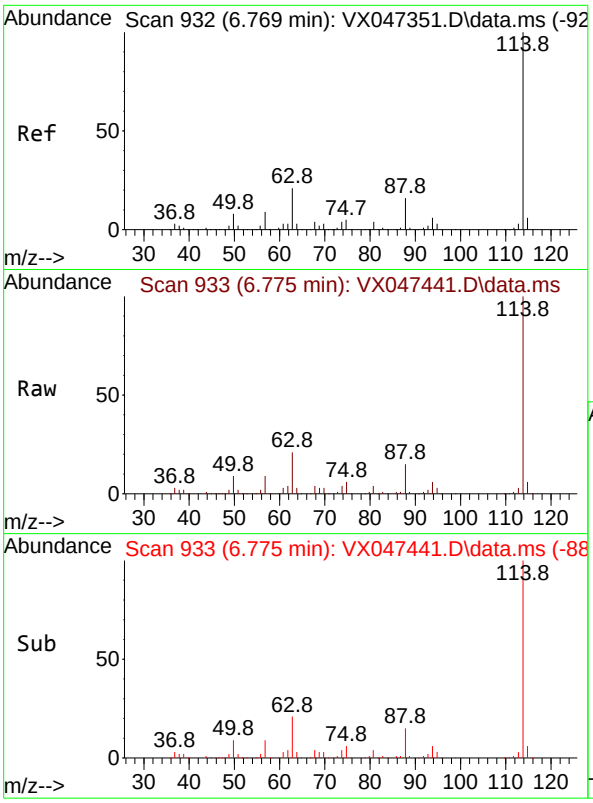


#33
1,2-Dichloroethane-d4
Concen: 57.819 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047441.D
Acq: 20 Aug 2025 14:42

Tgt Ion: 65 Resp: 241793

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.0



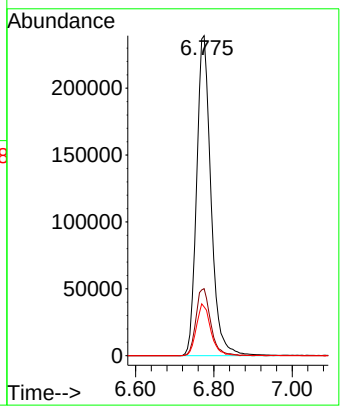


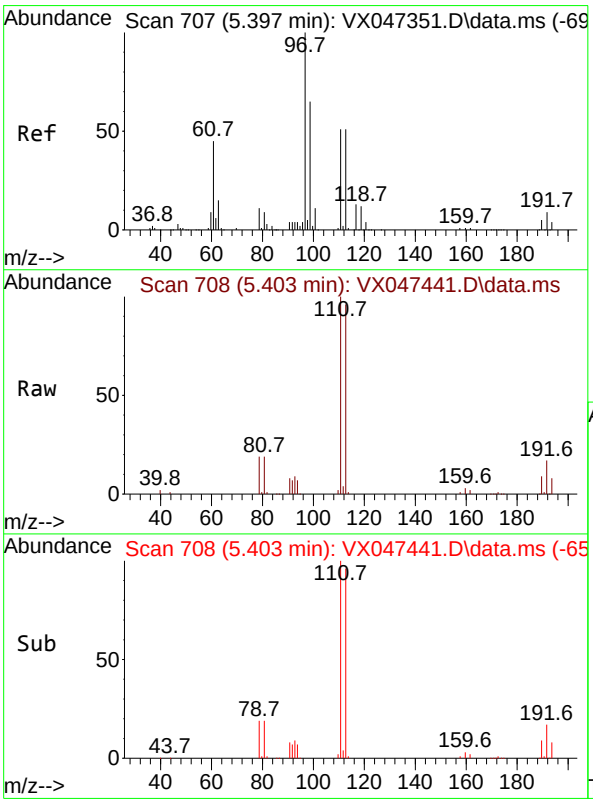
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047441.D
Acq: 20 Aug 2025 14:42

Instrument :
MSVOA_X
ClientSampleId :
TB01-081425

Tgt Ion:114 Resp: 610463

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.4
88	15.2	0.0	33.0

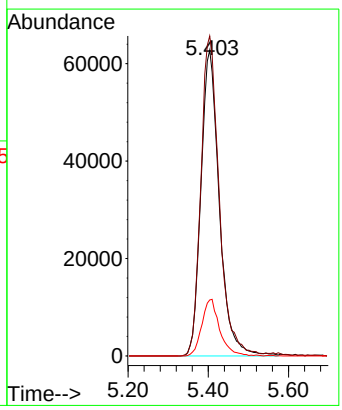


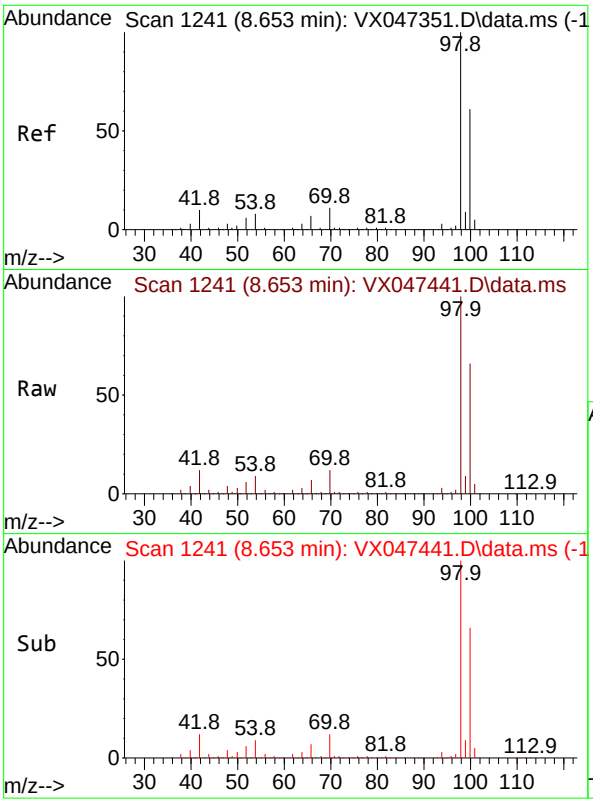


#35
Dibromofluoromethane
Concen: 50.427 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047441.D
Acq: 20 Aug 2025 14:42

Tgt Ion:113 Resp: 199788

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.4	122.2
192	18.0	14.1	21.1



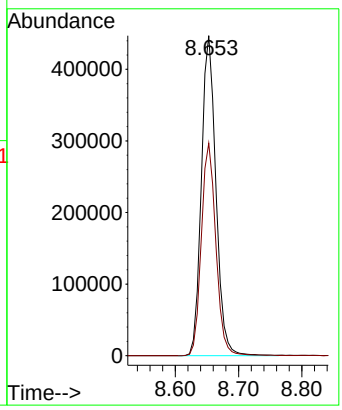


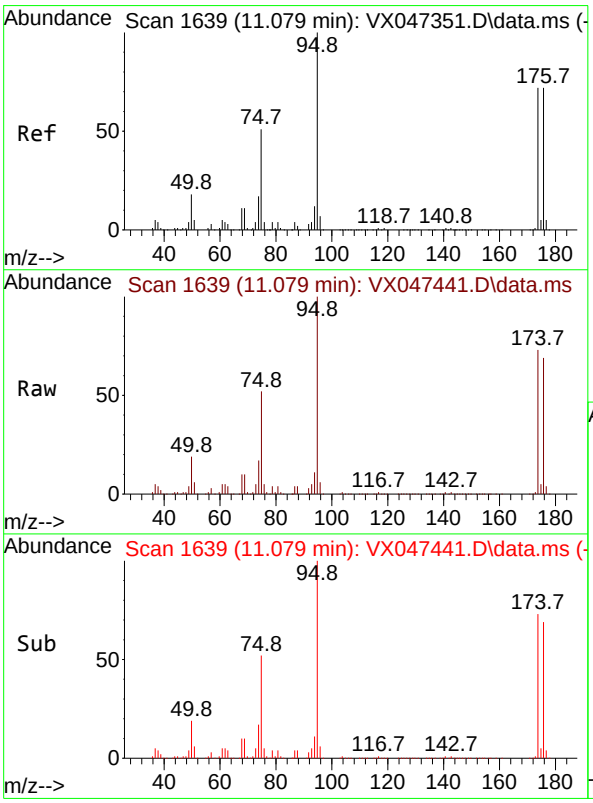
#50
Toluene-d8
Concen: 50.540 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047441.D
Acq: 20 Aug 2025 14:42

Instrument :
MSVOA_X
ClientSampleId :
TB01-081425

Tgt Ion: 98 Resp: 715700

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.9	80.9

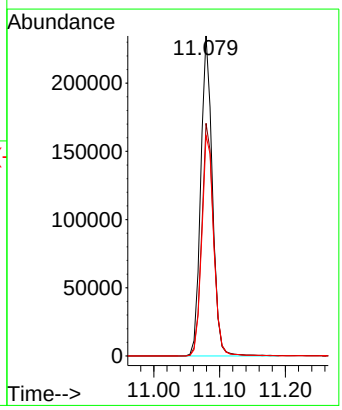


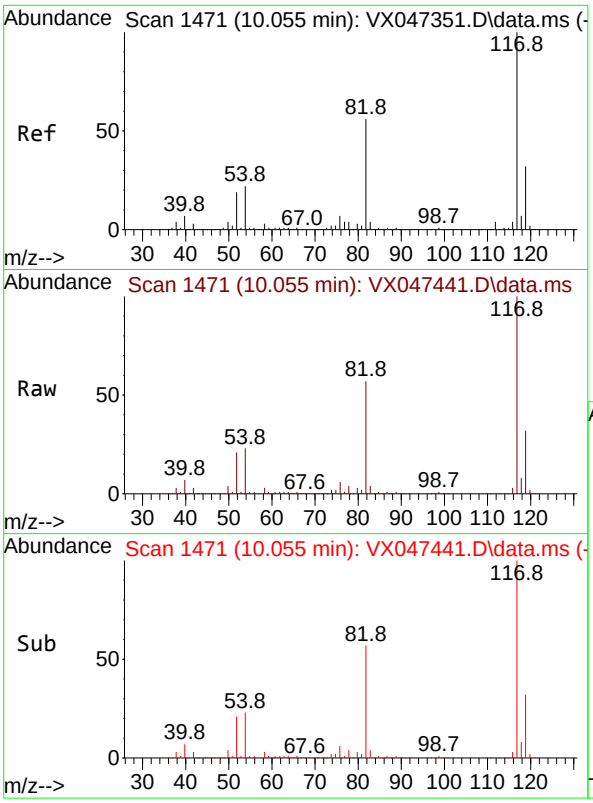


#62
4-Bromofluorobenzene
Concen: 55.075 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047441.D
Acq: 20 Aug 2025 14:42

Tgt Ion: 95 Resp: 287809

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	148.0
176	71.2	0.0	145.4



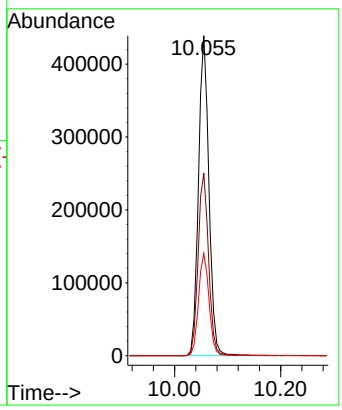


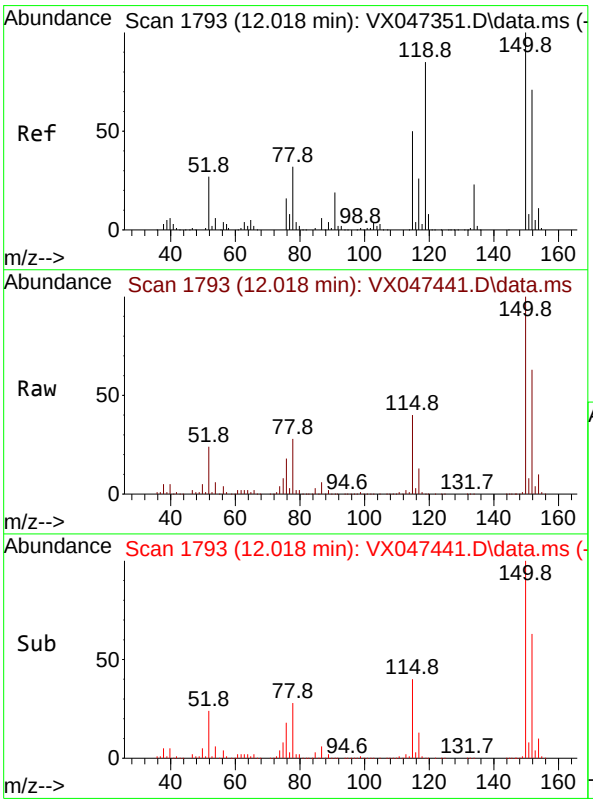
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047441.D
Acq: 20 Aug 2025 14:42

Instrument :
MSVOA_X
ClientSampleId :
TB01-081425

Tgt Ion:117 Resp: 600442

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.0	67.4
119	31.9	25.8	38.8

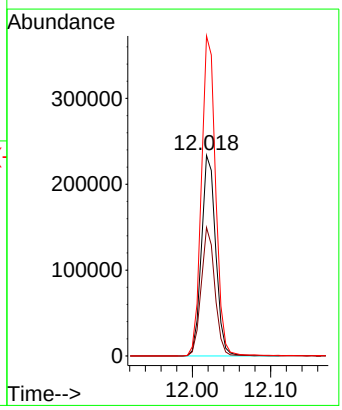




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047441.D
Acq: 20 Aug 2025 14:42

Tgt Ion:152 Resp: 294767

Ion	Ratio	Lower	Upper
152	100		
115	61.5	44.6	133.8
150	159.3	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047429.D
Acq On : 20 Aug 2025 10:07
Operator : JC/MD
Sample : VX0820WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Quant Time: Aug 21 01:26:19 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	5.568	168	280589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	574542	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	560929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	279679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	227227	57.864	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.720%			
35) Dibromofluoromethane	5.397	113	191362	51.320	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.640%			
50) Toluene-d8	8.653	98	676059	50.725	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.079	95	274800	55.874	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.740%			

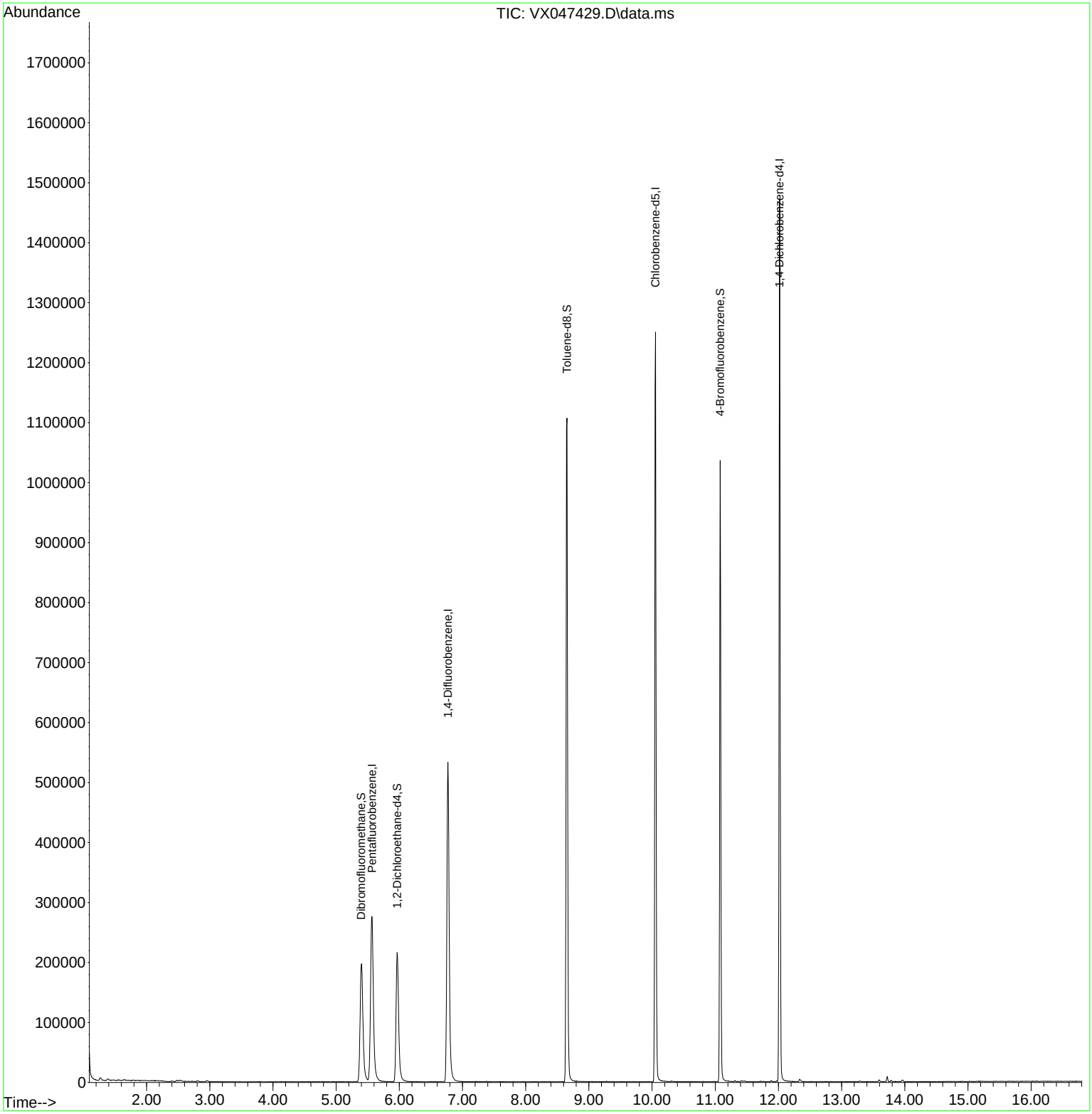
Target Compounds Qvalue

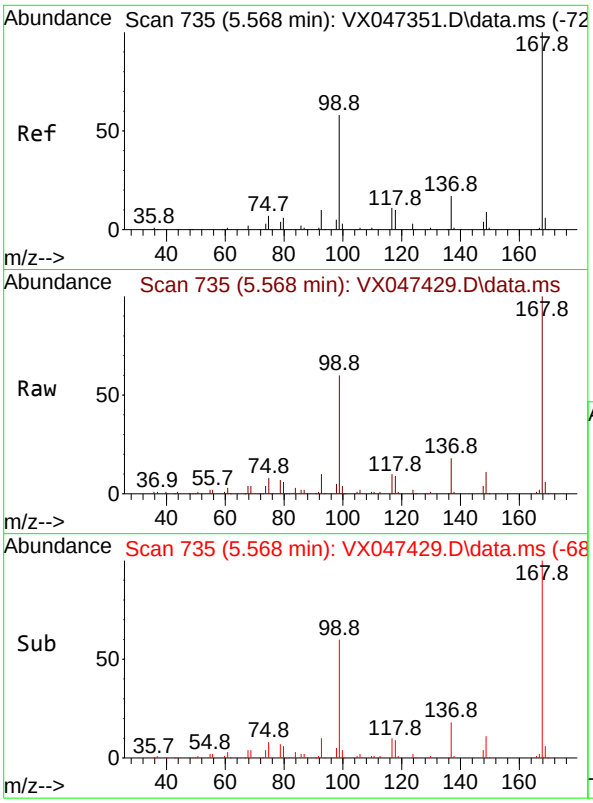
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047429.D
Acq On : 20 Aug 2025 10:07
Operator : JC/MD
Sample : VX0820WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Quant Time: Aug 21 01:26:19 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



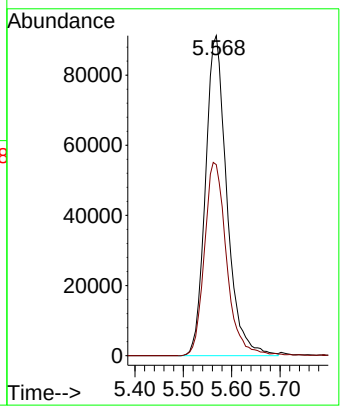


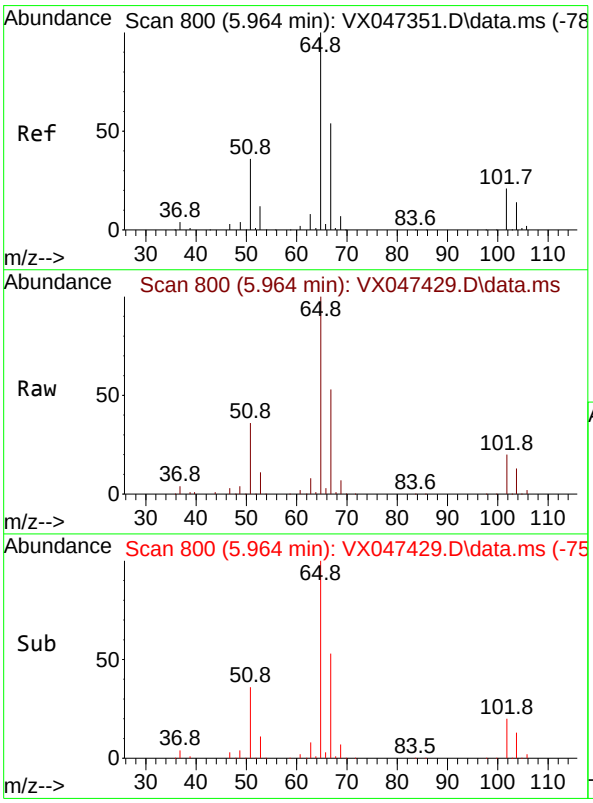
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Tgt Ion:168 Resp: 280589

Ion	Ratio	Lower	Upper
168	100		
99	59.7	47.9	71.9

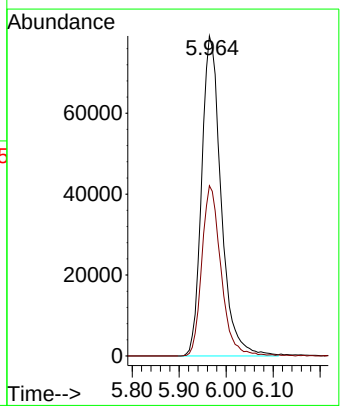


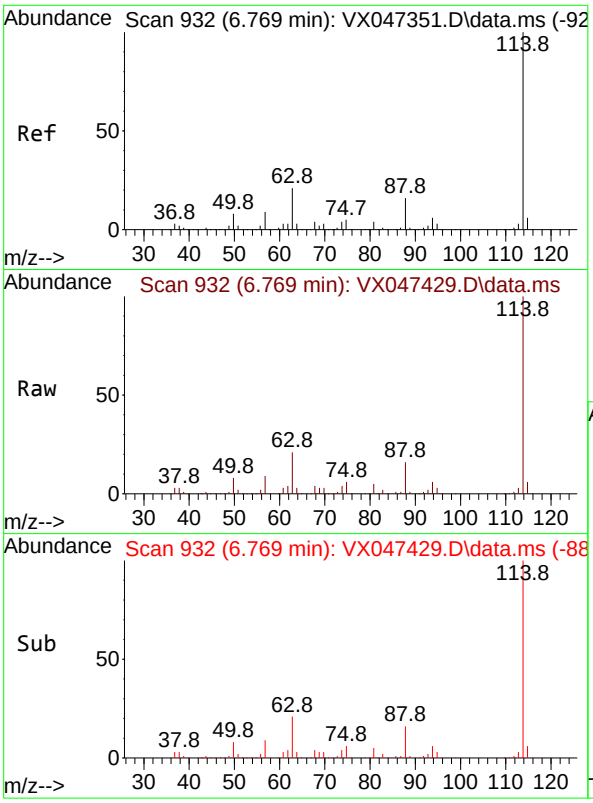


#33
1,2-Dichloroethane-d4
Concen: 57.864 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion: 65 Resp: 227227

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.0



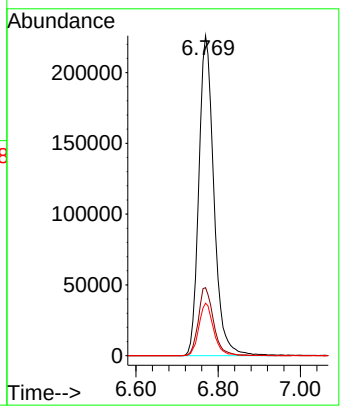


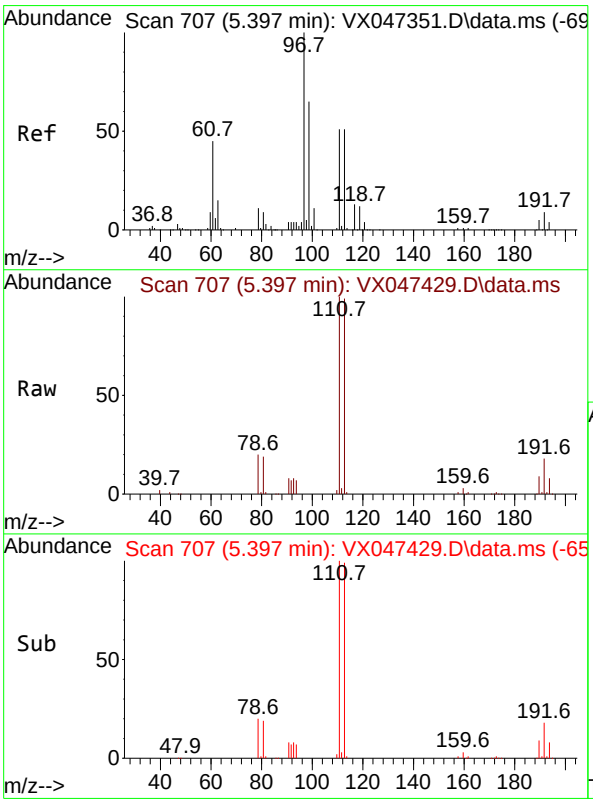
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Tgt Ion:114 Resp: 574542

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.4
88	16.4	0.0	33.0

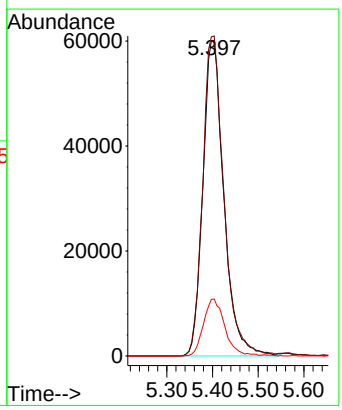


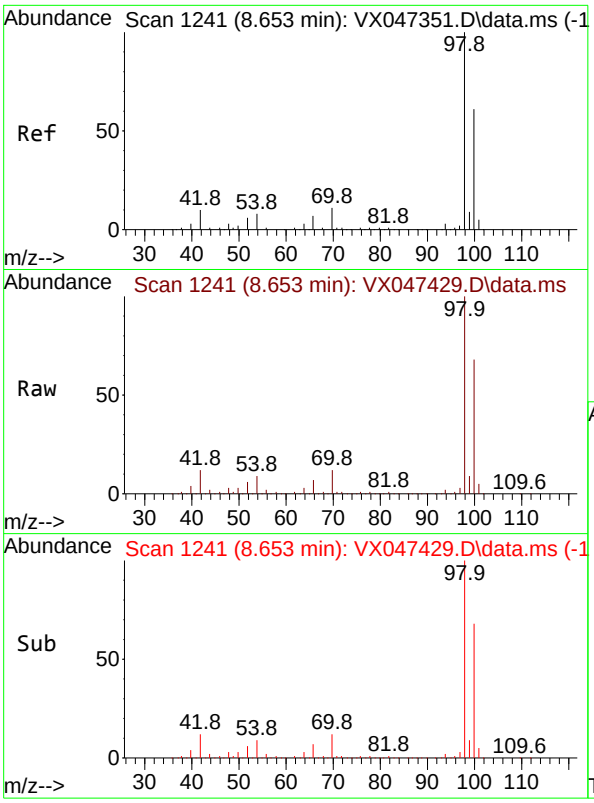


#35
Dibromofluoromethane
Concen: 51.320 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion:113 Resp: 191362

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.2
192	18.3	14.1	21.1



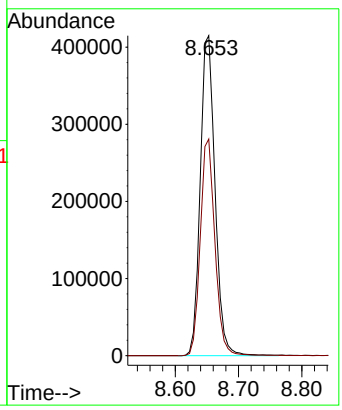


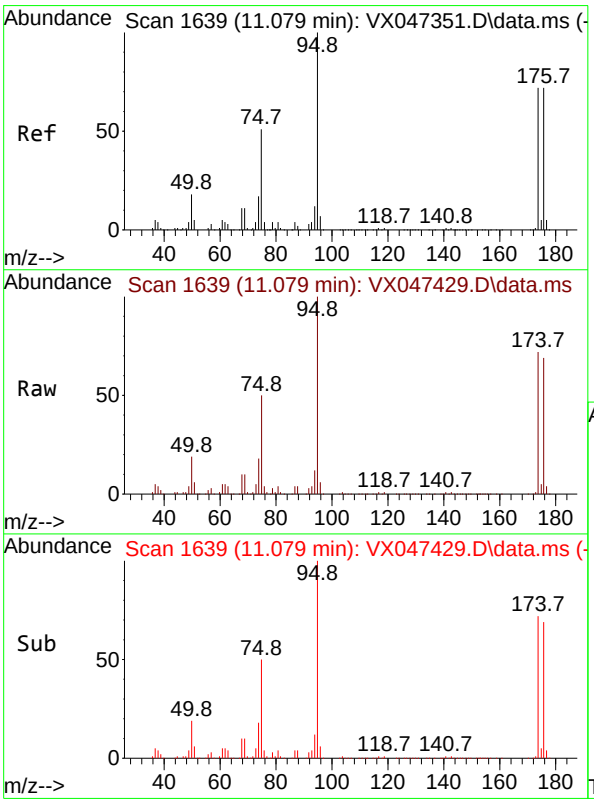
#50
Toluene-d8
Concen: 50.725 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Tgt Ion: 98 Resp: 676059

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.9	80.9

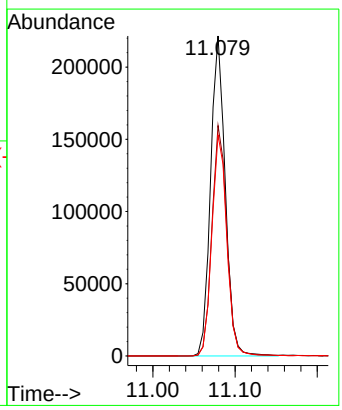


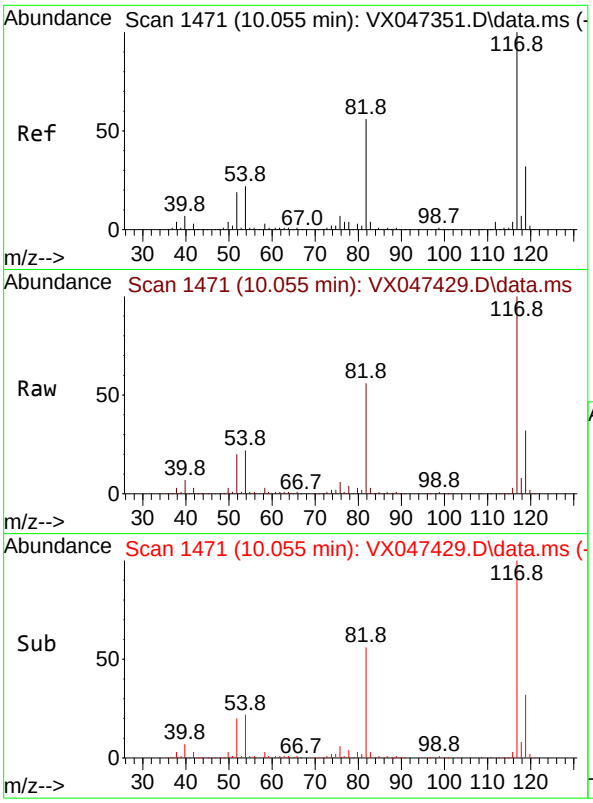


#62
4-Bromofluorobenzene
Concen: 55.874 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion: 95 Resp: 274800

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	148.0
176	70.4	0.0	145.4



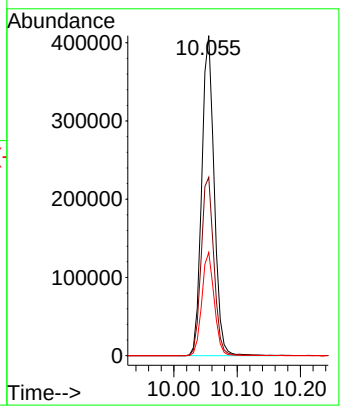


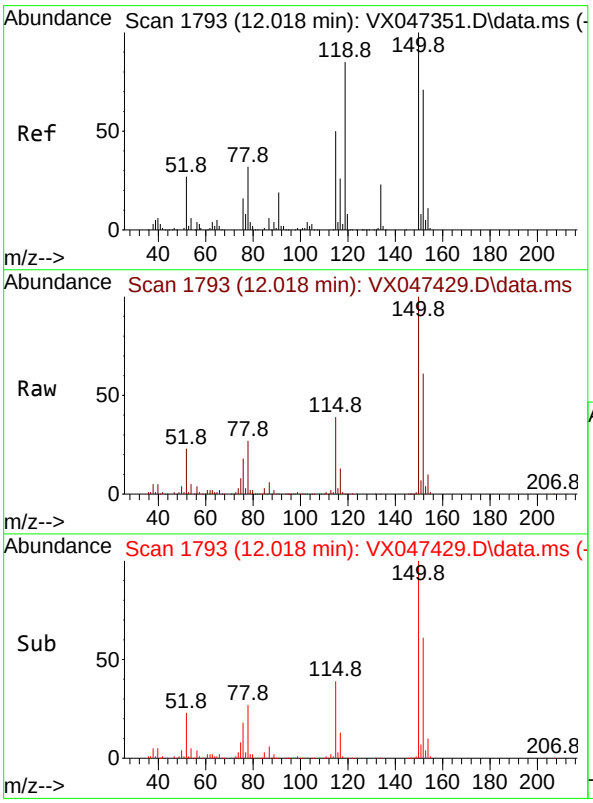
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Tgt Ion:117 Resp: 560929

Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.0	67.4
119	32.2	25.8	38.8

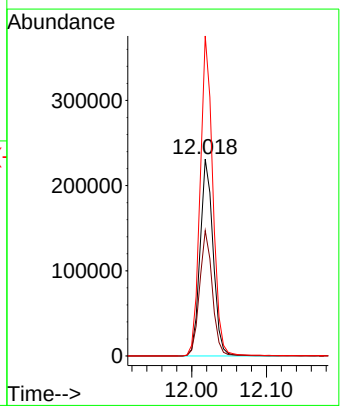




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion:152 Resp: 279679

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.6	133.8
150	157.8	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047430.D
Acq On : 20 Aug 2025 10:35
Operator : JC/MD
Sample : VX0820WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 01:26:55 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 :
VX0820WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	244648	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	407608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	368354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	188940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167819	49.014	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.020%			
35) Dibromofluoromethane	5.391	113	131872	49.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.700%			
50) Toluene-d8	8.647	98	465580	49.239	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.480%			
62) 4-Bromofluorobenzene	11.079	95	175075	50.176	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	53608	17.189	ug/l	99
3) Chloromethane	1.313	50	46690	16.642	ug/l	98
4) Vinyl Chloride	1.392	62	56657	16.089	ug/l	98
5) Bromomethane	1.630	94	23724	16.679	ug/l	97
6) Chloroethane	1.703	64	34003	15.782	ug/l	97
7) Trichlorofluoromethane	1.904	101	88810	17.050	ug/l	92
8) Diethyl Ether	2.148	74	30454	16.605	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	53855	17.824	ug/l	99
10) Methyl Iodide	2.471	142	60929	11.767	ug/l	96
11) Tert butyl alcohol	2.959	59	28713	96.397	ug/l	99
12) 1,1-Dichloroethene	2.337	96	51780	16.810	ug/l	100
13) Acrolein	2.246	56	55598	88.423	ug/l	97
14) Allyl chloride	2.678	41	88985	16.632	ug/l	100
15) Acrylonitrile	3.081	53	129142	89.724	ug/l	100
16) Acetone	2.386	43	115342	89.622	ug/l	96
17) Carbon Disulfide	2.526	76	143721	15.462	ug/l	98
18) Methyl Acetate	2.715	43	62524	18.747	ug/l	98
19) Methyl tert-butyl Ether	3.124	73	159152	16.984	ug/l	98
20) Methylene Chloride	2.800	84	58590	17.192	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	54587	16.697	ug/l	98
22) Diisopropyl ether	3.770	45	186733	17.657	ug/l	91
23) Vinyl Acetate	3.733	43	739375	85.298	ug/l	100
24) 1,1-Dichloroethane	3.623	63	102911	17.216	ug/l	99
25) 2-Butanone	4.568	43	156985	93.136	ug/l	100
26) 2,2-Dichloropropane	4.483	77	77655	17.212	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	64958	17.059	ug/l	98
28) Bromochloromethane	4.904	49	49457	19.883	ug/l #	14
29) Tetrahydrofuran	5.020	42	100323	92.088	ug/l	98
30) Chloroform	5.105	83	106236	17.414	ug/l	97
31) Cyclohexane	5.483	56	93514	16.971	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	90227	17.183	ug/l	98
36) 1,1-Dichloropropene	5.696	75	72507	17.363	ug/l	98
37) Ethyl Acetate	4.721	43	69374	16.002	ug/l #	96
38) Carbon Tetrachloride	5.690	117	80032	17.538	ug/l	97
39) Methylcyclohexane	7.385	83	89125	17.110	ug/l	94
40) Benzene	6.050	78	220365	17.630	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047430.D
Acq On : 20 Aug 2025 10:35
Operator : JC/MD
Sample : VX0820WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 01:26:55 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 :
VX0820WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	32344	17.692	ug/l		93
42) 1,2-Dichloroethane	6.099	62	77919	17.599	ug/l		99
43) Isopropyl Acetate	6.349	43	110163	17.688	ug/l		99
44) Trichloroethene	7.135	130	54954	17.170	ug/l		99
45) 1,2-Dichloropropane	7.434	63	54273	17.332	ug/l		100
46) Dibromomethane	7.586	93	40698	17.902	ug/l		98
47) Bromodichloromethane	7.824	83	82328	17.469	ug/l		100
48) Methyl methacrylate	7.696	41	56854	17.587	ug/l		97
49) 1,4-Dioxane	7.690	88	11406	362.941	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	335125	93.506	ug/l		98
52) Toluene	8.720	92	138882	17.981	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	72403	17.602	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	81220	17.445	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	53137	18.120	ug/l		96
56) Ethyl methacrylate	9.116	69	75185	17.389	ug/l		99
57) 1,3-Dichloropropane	9.305	76	89328	17.876	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.245	63	187096	95.949	ug/l		98
59) 2-Hexanone	9.433	43	226987	91.559	ug/l		99
60) Dibromochloromethane	9.519	129	61655	17.691	ug/l		98
61) 1,2-Dibromoethane	9.610	107	52535	17.373	ug/l		100
64) Tetrachloroethene	9.275	164	45932	17.239	ug/l		97
65) Chlorobenzene	10.080	112	151755	17.336	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	52523	17.750	ug/l		98
67) Ethyl Benzene	10.195	91	264573	17.561	ug/l		98
68) m/p-Xylenes	10.299	106	200944	35.769	ug/l		99
69) o-Xylene	10.640	106	97003	17.943	ug/l		96
70) Styrene	10.653	104	164340	17.991	ug/l		100
71) Bromoform	10.799	173	39163	17.617	ug/l	#	99
73) Isopropylbenzene	10.964	105	256220	17.329	ug/l		99
74) N-amyl acetate	10.842	43	93750	16.697	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	76376	17.594	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	60088m	17.340	ug/l		
77) Bromobenzene	11.195	156	62108	17.202	ug/l		98
78) n-propylbenzene	11.305	91	305865	17.321	ug/l		100
79) 2-Chlorotoluene	11.360	91	181694	17.021	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	210710	17.321	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	10400	18.858	ug/l		96
82) 4-Chlorotoluene	11.451	91	216515	17.207	ug/l		99
83) tert-Butylbenzene	11.713	119	211697	17.442	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	213463	17.547	ug/l		99
85) sec-Butylbenzene	11.890	105	268675	17.860	ug/l		100
86) p-Isopropyltoluene	12.006	119	225219	17.692	ug/l		99
87) 1,3-Dichlorobenzene	11.970	146	116436	16.881	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	120251	16.951	ug/l		99
89) n-Butylbenzene	12.329	91	208015	17.569	ug/l		99
90) Hexachloroethane	12.536	117	37901	16.972	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	112636	17.205	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14705	17.516	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	71685	16.333	ug/l		99
94) Hexachlorobutadiene	13.719	225	27248	17.442	ug/l		98
95) Naphthalene	13.774	128	212701	16.959	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	70071	16.938	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047430.D
Acq On : 20 Aug 2025 10:35
Operator : JC/MD
Sample : VX0820WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 01:26:55 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 :
VX0820WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
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

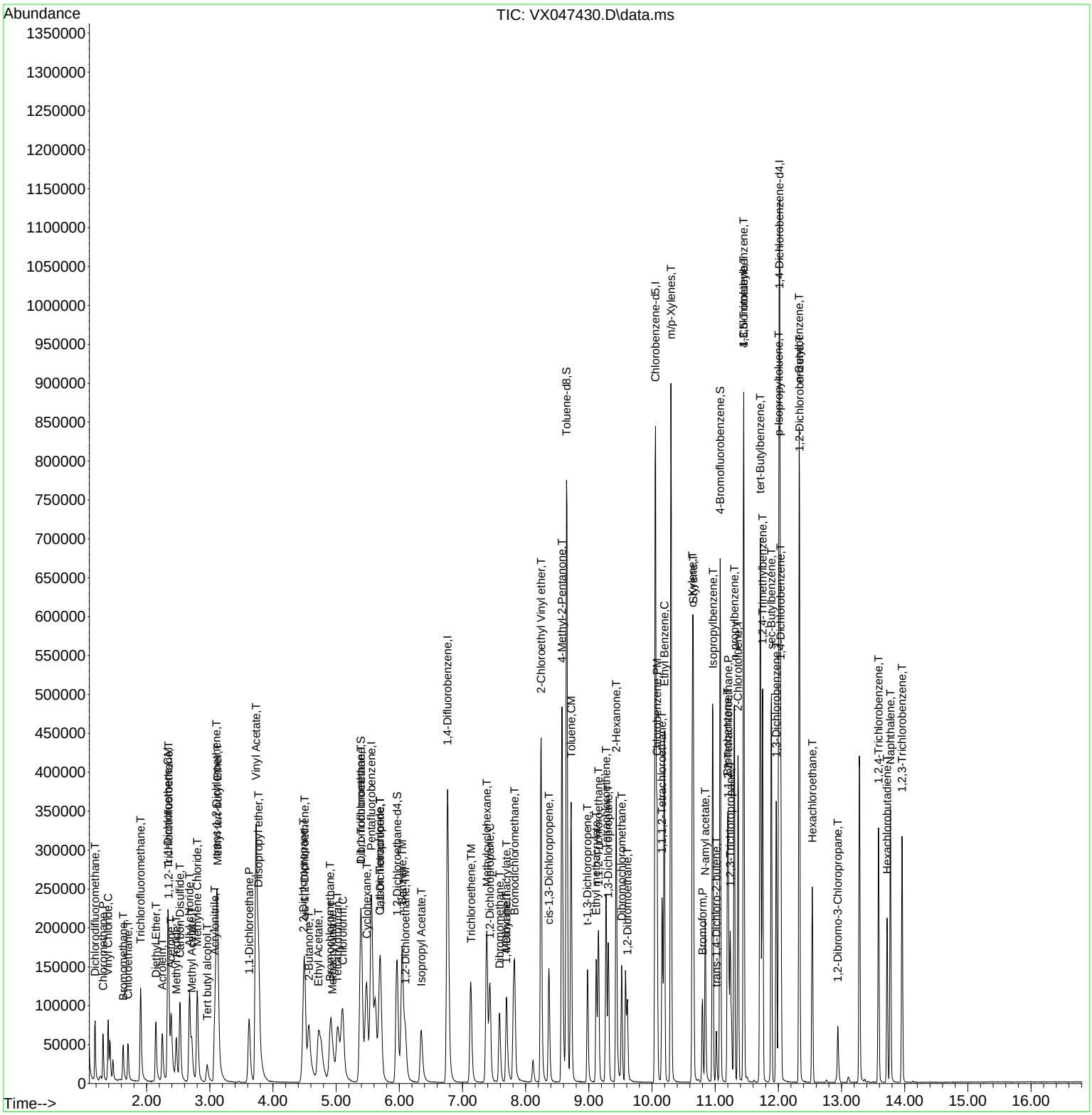
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047430.D
Acq On : 20 Aug 2025 10:35
Operator : JC/MD
Sample : VX0820WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 01:26:55 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 :
VX0820WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047431.D
Acq On : 20 Aug 2025 11:06
Operator : JC/MD
Sample : VX0820WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 01:27:49 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 :
VX0820WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.556	168	227988	50.000 ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	384011	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	353527	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	182846	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.958	65	162719	50.997 ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.000%		
35) Dibromofluoromethane	5.391	113	125723	50.445 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%		
50) Toluene-d8	8.647	98	446972	50.176 ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.360%		
62) 4-Bromofluorobenzene	11.079	95	169991	51.712 ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.420%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.185	85	47766	16.435 ug/l	96
3) Chloromethane	1.313	50	44193	16.903 ug/l	100
4) Vinyl Chloride	1.392	62	53564	16.323 ug/l	99
5) Bromomethane	1.630	94	22897	17.274 ug/l	93
6) Chloroethane	1.703	64	33153	16.512 ug/l	94
7) Trichlorofluoromethane	1.904	101	80790	16.644 ug/l	97
8) Diethyl Ether	2.148	74	30154	17.643 ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	49180	17.466 ug/l	99
10) Methyl Iodide	2.471	142	62366	12.925 ug/l	98
11) Tert butyl alcohol	2.959	59	28284	101.896 ug/l	99
12) 1,1-Dichloroethene	2.337	96	46858	16.324 ug/l	96
13) Acrolein	2.251	56	55323	94.415 ug/l	99
14) Allyl chloride	2.678	41	85637	17.176 ug/l	95
15) Acrylonitrile	3.081	53	130185	97.058 ug/l	99
16) Acetone	2.392	43	106316	88.645 ug/l	99
17) Carbon Disulfide	2.526	76	134531	15.531 ug/l	99
18) Methyl Acetate	2.715	43	61940	19.929 ug/l	99
19) Methyl tert-butyl Ether	3.123	73	156324	17.901 ug/l	99
20) Methylene Chloride	2.800	84	55948	17.617 ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	50391	16.539 ug/l	95
22) Diisopropyl ether	3.769	45	181876	18.455 ug/l	94
23) Vinyl Acetate	3.733	43	729825	90.349 ug/l	100
24) 1,1-Dichloroethane	3.623	63	97939	17.582 ug/l	99
25) 2-Butanone	4.568	43	156361	99.545 ug/l	95
26) 2,2-Dichloropropane	4.483	77	69257	16.473 ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	60972	17.182 ug/l	98
28) Bromochloromethane	4.903	49	47632	20.549 ug/l	97
29) Tetrahydrofuran	5.031	42	97222	95.762 ug/l	97
30) Chloroform	5.099	83	102109	17.961 ug/l	100
31) Cyclohexane	5.483	56	84781	16.510 ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	84427	17.254 ug/l	98
36) 1,1-Dichloropropene	5.702	75	69369	17.632 ug/l	99
37) Ethyl Acetate	4.727	43	69988	17.136 ug/l	99
38) Carbon Tetrachloride	5.690	117	73703	17.143 ug/l	98
39) Methylcyclohexane	7.385	83	81477	16.603 ug/l	95
40) Benzene	6.043	78	210834	17.904 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047431.D
Acq On : 20 Aug 2025 11:06
Operator : JC/MD
Sample : VX0820WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 01:27:49 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 :
VX0820WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	32225	18.710	ug/l		95
42) 1,2-Dichloroethane	6.092	62	75740	18.158	ug/l		98
43) Isopropyl Acetate	6.348	43	107083	18.250	ug/l		99
44) Trichloroethene	7.129	130	51689	17.142	ug/l		89
45) 1,2-Dichloropropane	7.433	63	51821	17.566	ug/l		94
46) Dibromomethane	7.586	93	38833	18.131	ug/l		99
47) Bromodichloromethane	7.824	83	79446	17.893	ug/l	#	97
48) Methyl methacrylate	7.696	41	55754	18.306	ug/l		97
49) 1,4-Dioxane	7.690	88	13278	448.471	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	330877	97.994	ug/l		98
52) Toluene	8.720	92	131557	18.079	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	69086	17.828	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	78242	17.838	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	52294	18.928	ug/l		97
56) Ethyl methacrylate	9.116	69	74450	18.278	ug/l		98
57) 1,3-Dichloropropane	9.305	76	88113	18.717	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	185370	100.474	ug/l		100
59) 2-Hexanone	9.433	43	223032	95.492	ug/l		100
60) Dibromochloromethane	9.518	129	60107	18.307	ug/l		100
61) 1,2-Dibromoethane	9.610	107	54038	18.968	ug/l		98
64) Tetrachloroethene	9.275	164	43565	17.037	ug/l		96
65) Chlorobenzene	10.079	112	146221	17.405	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	50211	17.680	ug/l		99
67) Ethyl Benzene	10.195	91	249927	17.284	ug/l		99
68) m/p-Xylenes	10.299	106	191975	35.606	ug/l		99
69) o-Xylene	10.640	106	89811	17.309	ug/l		99
70) Styrene	10.652	104	157756	17.994	ug/l		100
71) Bromoform	10.799	173	38527	18.058	ug/l	#	98
73) Isopropylbenzene	10.963	105	241936	16.908	ug/l		99
74) N-amyl acetate	10.841	43	93131	17.140	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	75532	17.979	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	58654m	17.490	ug/l		
77) Bromobenzene	11.195	156	59608	17.060	ug/l		98
78) n-propylbenzene	11.305	91	287881	16.846	ug/l		98
79) 2-Chlorotoluene	11.360	91	172746	16.722	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	201744	17.136	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9836	18.609	ug/l		94
82) 4-Chlorotoluene	11.451	91	205121	16.845	ug/l		99
83) tert-Butylbenzene	11.713	119	200091	17.036	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	204454	17.366	ug/l		100
85) sec-Butylbenzene	11.890	105	254052	17.451	ug/l		99
86) p-Isopropyltoluene	12.006	119	212198	17.225	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	114949	17.221	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	113624	16.551	ug/l		97
89) n-Butylbenzene	12.329	91	196627	17.160	ug/l		99
90) Hexachloroethane	12.536	117	37123	17.177	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	110765	17.483	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14196	17.473	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	70584	16.618	ug/l		99
94) Hexachlorobutadiene	13.719	225	27444	18.153	ug/l		96
95) Naphthalene	13.774	128	209954	17.297	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	69798	17.434	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047431.D
Acq On : 20 Aug 2025 11:06
Operator : JC/MD
Sample : VX0820WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 01:27:49 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 :
VX0820WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
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

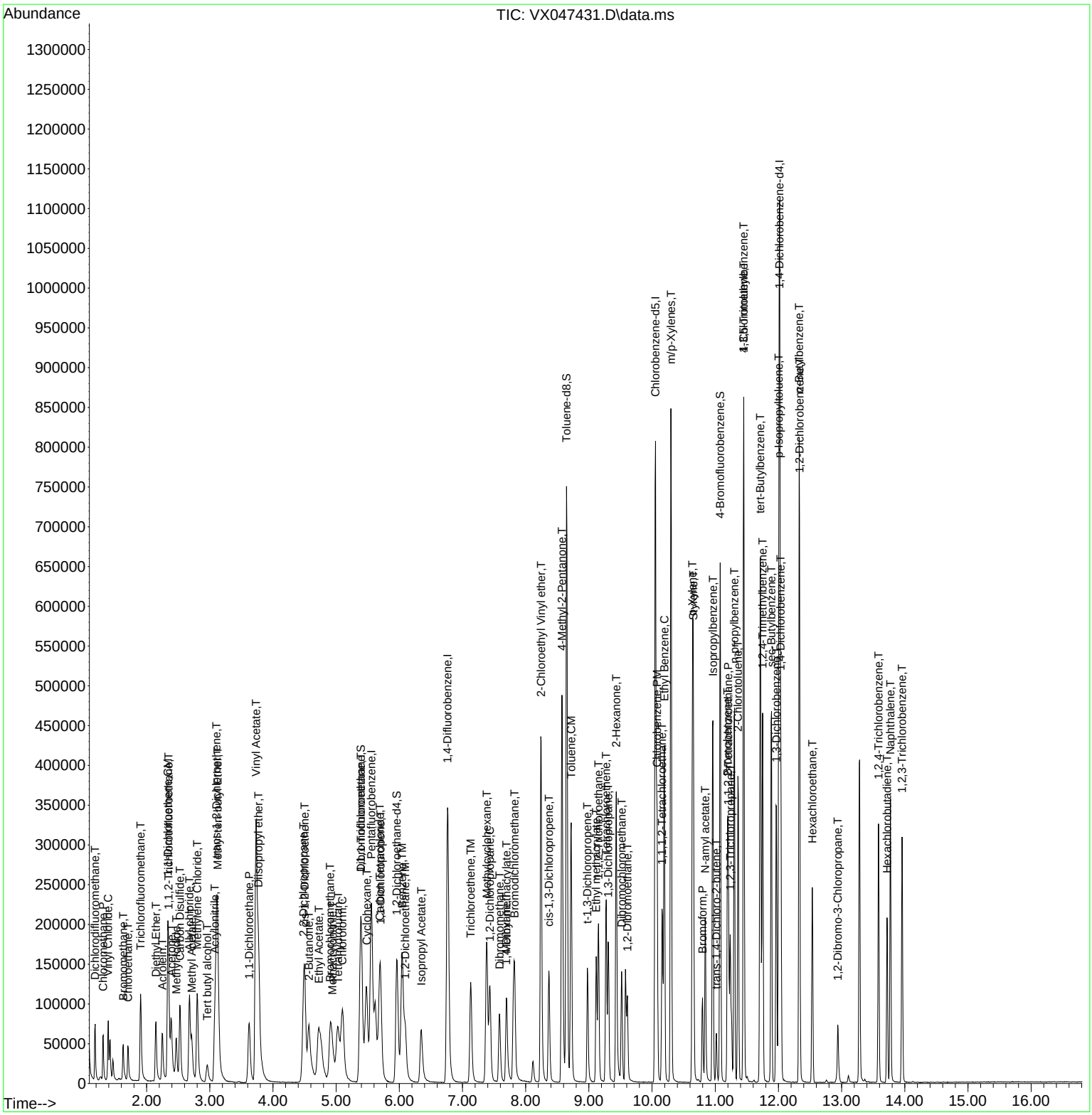
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047431.D
Acq On : 20 Aug 2025 11:06
Operator : JC/MD
Sample : VX0820WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 01:27:49 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 :
VX0820WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



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

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

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

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

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

Manual Integration Report

Sequence:	VX082025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047427.D	1,2,3-Trichloropropane	JOHN	8/21/2025 8:44:58 AM	MMDadoda	8/22/2025 1:13:01 AM	Peak Integrated by Software
VX0820WBS01	VX047430.D	1,2,3-Trichloropropane	JOHN	8/21/2025 8:45:03 AM	MMDadoda	8/22/2025 1:13:04 AM	Peak Integrated by Software
VX0820WBSD01	VX047431.D	1,2,3-Trichloropropane	JOHN	8/21/2025 8:45:08 AM	MMDadoda	8/22/2025 1:13:06 AM	Peak Integrated by Software
Q2878-01	VX047450.D	Chloroform	JOHN	8/21/2025 8:45:32 AM	MMDadoda	8/22/2025 1:13:14 AM	Peak Integrated by Software
Q2878-01DL	VX047451.D	Tetrahydrofuran	JOHN	8/21/2025 8:45:37 AM	MMDadoda	8/22/2025 1:13:16 AM	Peak Integrated by Software
VSTDCCC050	VX047453.D	1,2,3-Trichloropropane	JOHN	8/21/2025 8:45:42 AM	MMDadoda	8/22/2025 1:13:19 AM	Peak Integrated by Software

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

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

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

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

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082025

Review By	John Carlone	Review On	8/21/2025 8:55:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 1:13:48 AM		
SubDirectory	VX082025	HP Acquire Method	MSVOA_X	HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135191
Initial Calibration Stds	
CCC	VP135192,VP135193
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047426.D	20 Aug 2025 07:50	JC/MD	Ok
2	VSTDCCC050	VX047427.D	20 Aug 2025 09:25	JC/MD	Ok,M
3	VX0820MBL01	VX047428.D	20 Aug 2025 09:46	JC/MD	Ok
4	VX0820WBL01	VX047429.D	20 Aug 2025 10:07	JC/MD	Ok
5	VX0820WBS01	VX047430.D	20 Aug 2025 10:35	JC/MD	Ok,M
6	VX0820WBSD01	VX047431.D	20 Aug 2025 11:06	JC/MD	Ok,M
7	Q2815-21RE	VX047432.D	20 Aug 2025 11:28	JC/MD	Confirms
8	Q2815-22	VX047433.D	20 Aug 2025 11:49	JC/MD	Ok
9	Q2815-26	VX047434.D	20 Aug 2025 12:11	JC/MD	Ok
10	Q2878-01	VX047435.D	20 Aug 2025 12:32	JC/MD	Not Ok
11	Q2878-05	VX047436.D	20 Aug 2025 12:54	JC/MD	Not Ok
12	Q2869-03	VX047437.D	20 Aug 2025 13:15	JC/MD	Not Ok
13	Q2869-04	VX047438.D	20 Aug 2025 13:37	JC/MD	Not Ok
14	Q2869-05	VX047439.D	20 Aug 2025 13:59	JC/MD	Not Ok
15	IBLK	VX047440.D	20 Aug 2025 14:20	JC/MD	Ok
16	Q2878-06	VX047441.D	20 Aug 2025 14:42	JC/MD	Ok
17	Q2900-07	VX047442.D	20 Aug 2025 15:04	JC/MD	ReRun
18	Q2900-01	VX047443.D	20 Aug 2025 15:25	JC/MD	Ok
19	Q2900-02	VX047444.D	20 Aug 2025 15:47	JC/MD	Dilution
20	Q2900-03	VX047445.D	20 Aug 2025 16:09	JC/MD	Dilution
21	Q2900-04	VX047446.D	20 Aug 2025 16:30	JC/MD	ReRun

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082025

Review By	John Carlone	Review On	8/21/2025 8:55:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 1:13:48 AM		
SubDirectory	VX082025	HP Acquire Method	MSVOA_X	HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135191
Initial Calibration Stds	
CCC	VP135192,VP135193
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2900-05	VX047447.D	20 Aug 2025 16:52	JC/MD	Dilution
23	Q2900-06	VX047448.D	20 Aug 2025 17:14	JC/MD	ReRun
24	Q2900-08	VX047449.D	20 Aug 2025 17:35	JC/MD	ReRun
25	Q2878-01	VX047450.D	20 Aug 2025 17:57	JC/MD	Dilution
26	Q2878-01DL	VX047451.D	20 Aug 2025 18:18	JC/MD	Ok,M
27	Q2878-05	VX047452.D	20 Aug 2025 18:40	JC/MD	Ok
28	VSTDCCC050	VX047453.D	20 Aug 2025 19:01	JC/MD	Ok,M

M : Manual Integration

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

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

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

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

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082025

Review By	John Carlone	Review On	8/21/2025 8:55:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 1:13:48 AM		
SubDirectory	VX082025	HP Acquire Method	MSVOA_X	HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135191
Initial Calibration Stds	
CCC	VP135192,VP135193
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	VX047426.D	20 Aug 2025 07:50		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047427.D	20 Aug 2025 09:25	pH#Lot#V12668	JC/MD	Ok,M
3	VX0820MBL01	VX0820MBL01	VX047428.D	20 Aug 2025 09:46		JC/MD	Ok
4	VX0820WBL01	VX0820WBL01	VX047429.D	20 Aug 2025 10:07		JC/MD	Ok
5	VX0820WBS01	VX0820WBS01	VX047430.D	20 Aug 2025 10:35		JC/MD	Ok,M
6	VX0820WBSD01	VX0820WBSD01	VX047431.D	20 Aug 2025 11:06		JC/MD	Ok,M
7	Q2815-21RE	TW-11M-ERE	VX047432.D	20 Aug 2025 11:28	vial B pH<2 Surrogate Fail	JC/MD	Confirms
8	Q2815-22	TW-11M-S	VX047433.D	20 Aug 2025 11:49	vial B pH<2	JC/MD	Ok
9	Q2815-26	FB	VX047434.D	20 Aug 2025 12:11	vial B pH<2 FB	JC/MD	Ok
10	Q2878-01	MW-18B-57.5-081325	VX047435.D	20 Aug 2025 12:32	Run @ lower dilution	JC/MD	Not Ok
11	Q2878-05	MW-11A-37.5-081425	VX047436.D	20 Aug 2025 12:54	Run @ lower dilution	JC/MD	Not Ok
12	Q2869-03	MW-01-6.5-081325	VX047437.D	20 Aug 2025 13:15	Need straight run	JC/MD	Not Ok
13	Q2869-04	MW-11A-13.5-081325	VX047438.D	20 Aug 2025 13:37	Run @ 10x	JC/MD	Not Ok
14	Q2869-05	MW-19B-71.5-081325-I	VX047439.D	20 Aug 2025 13:59	Run @ 40x	JC/MD	Not Ok
15	IBLK	IBLK	VX047440.D	20 Aug 2025 14:20		JC/MD	Ok
16	Q2878-06	TB01-081425	VX047441.D	20 Aug 2025 14:42	vial A pH<2 TB	JC/MD	Ok
17	Q2900-07	MW-11B-081825	VX047442.D	20 Aug 2025 15:04	vial A pH<2 Surrogate Fail	JC/MD	ReRun
18	Q2900-01	MN-9C-081825	VX047443.D	20 Aug 2025 15:25	vial A pH<2	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082025

Review By	John Carlone	Review On	8/21/2025 8:55:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 1:13:48 AM		
SubDirectory	VX082025	HP Acquire Method	MSVOA_X	HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135191
Initial Calibration Stds	
CCC	VP135192,VP135193
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2900-02	MN-12C-081825	VX047444.D	20 Aug 2025 15:47	vial A pH<2 Surrogate Fail;Need 50X	JC/MD	Dilution
20	Q2900-03	DUP-01-081825	VX047445.D	20 Aug 2025 16:09	vial A pH<2 Surrogate Fail;Need 50X	JC/MD	Dilution
21	Q2900-04	MW-17B-081825	VX047446.D	20 Aug 2025 16:30	vial A pH<2 E flag of previous sample	JC/MD	ReRun
22	Q2900-05	MW-11C-081825	VX047447.D	20 Aug 2025 16:52	vial A pH<2 Need 50X	JC/MD	Dilution
23	Q2900-06	MW-17C-081825	VX047448.D	20 Aug 2025 17:14	vial A pH<2 Surrogate Fail	JC/MD	ReRun
24	Q2900-08	TB-081825	VX047449.D	20 Aug 2025 17:35	vial A pH<2 TB,Surrogate Fail	JC/MD	ReRun
25	Q2878-01	MW-18B-57.5-081325	VX047450.D	20 Aug 2025 17:57	vial A pH<2 Need 10X	JC/MD	Dilution
26	Q2878-01DL	MW-18B-57.5-081325D	VX047451.D	20 Aug 2025 18:18	vial B pH<2	JC/MD	Ok,M
27	Q2878-05	MW-11A-37.5-081425	VX047452.D	20 Aug 2025 18:40	vial A pH<2	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX047453.D	20 Aug 2025 19:01		JC/MD	Ok,M

M : Manual Integration

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

LAB CHRONICLE

OrderID:	Q2878	**OrderDate:**	8/14/2025 3:49:00 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2878-01	**MW-18B-57.5-081325**	**Water**			**08/13/25**			**08/14/25**
			VOCMS Group3	8260-Low			08/20/25	
Q2878-01DL	**MW-18B-57.5-081325 DL**	**Water**			**08/13/25**			**08/14/25**
			VOCMS Group3	8260-Low			08/20/25	
Q2878-05	**MW-11A-37.5-081425**	**Water**			**08/14/25**			**08/14/25**
			VOCMS Group3	8260-Low			08/20/25	
Q2878-06	**TB01-081425**	**Water**			**08/14/25**			**08/14/25**
			VOCMS Group3	8260-Low			08/20/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2878

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-18B-57.5-081325								
Q2878-01	MW-18B-57.5-081325	WATER	1,4-Dioxane	1.800		0.07	0.22	ug/L
			Total Svoc :			**1.80**		
			Total Concentration:			**1.80**		
Client ID : MW-11A-37.5-081425								
Q2878-05	MW-11A-37.5-081425	WATER	1,4-Dioxane	25.700	E	0.07	0.21	ug/L
			Total Svoc :			**25.70**		
			Total Concentration:			**25.70**		
Client ID : MW-11A-37.5-081425DL								
Q2878-05DL	MW-11A-37.5-081425DI	WATER	1,4-Dioxane	31.100	D	1.4	4.2	ug/L
			Total Svoc :			**31.10**		
			Total Concentration:			**31.10**		

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:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-18B-57.5-081325	SDG No.:	Q2878
Lab Sample ID:	Q2878-01	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
BN037614.D	1	08/18/25 08:41	08/19/25 19:07	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	1.80		0.070	0.22	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.26		30 (20) - 150 (139)	65%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 (54) - 150 (157)	89%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		30 (27) - 130 (154)	72%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		30 (30) - 130 (155)	78%	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	2180	7.717			
1146-65-2	Naphthalene-d8	5460	10.498			
15067-26-2	Acenaphthene-d10	2860	14.345			
1517-22-2	Phenanthrene-d10	5960	17.086			
1719-03-5	Chrysene-d12	5310	21.268			
1520-96-3	Perylene-d12	4800	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

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:	08/14/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-11A-37.5-081425	SDG No.:	Q2878
Lab Sample ID:	Q2878-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	950 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
BN037615.D	1	08/18/25 08:41	08/19/25 19:43	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	25.7	E	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	0.38		30 (54) - 150 (157)	96%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		30 (27) - 130 (154)	76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		30 (30) - 130 (155)	77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.41		30 (54) - 130 (175)	103%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2250	7.717			
1146-65-2	Naphthalene-d8	5480	10.498			
15067-26-2	Acenaphthene-d10	2730	14.345			
1517-22-2	Phenanthrene-d10	5760	17.086			
1719-03-5	Chrysene-d12	5360	21.268			
1520-96-3	Perylene-d12	4890	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

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:	08/14/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-11A-37.5-081425DL	SDG No.:	Q2878
Lab Sample ID:	Q2878-05DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	950 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
BN037629.D	20	08/18/25 08:41	08/20/25 10:49	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	31.1	D	1.40	4.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.28		30 (20) - 150 (139)	70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 (54) - 150 (157)	105%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		30 (27) - 130 (154)	75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		30 (30) - 130 (155)	75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.54	*	30 (54) - 130 (175)	135%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2130	7.71			
1146-65-2	Naphthalene-d8	4980	10.498			
15067-26-2	Acenaphthene-d10	2460	14.345			
1517-22-2	Phenanthrene-d10	5120	17.086			
1719-03-5	Chrysene-d12	4010	21.268			
1520-96-3	Perylene-d12	3550	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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q2878

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)
Q2878-01	MW-18B-57.5-081325	2-Methylnaphthalene-d10	0.4	0.26	65		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.36	89		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.29	72		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.31	78		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.47	117		30 (54)	130 (175)
Q2878-05	MW-11A-37.5-081425	2-Methylnaphthalene-d10	0.4	0.27	68		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.38	96		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.30	76		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.31	77		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.41	103		30 (54)	130 (175)
Q2878-05DL	MW-11A-37.5-081425DL	2-Methylnaphthalene-d10	0.4	0.28	70		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.42	105		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.30	75		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.30	75		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.54	135	*	30 (54)	130 (175)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2878 **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

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2878 **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

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2878 **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

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169286BL

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2878

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-18B-57.5-081325	Q2878-01	BN037614.D	08/19/2025
MW-11A-37.5-081425	Q2878-05	BN037615.D	08/19/2025

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2878

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

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2878

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-18B-57.5-081325	Q2878-01	BN037614.D	08/19/2025	19:07
MW-11A-37.5-081425	Q2878-05	BN037615.D	08/19/2025	19:43

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2878

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-11A-37.5-081425DL	Q2878-05DL	BN037629.D	08/20/2025	10:49
PB169286BS	PB169286BS	BN037630.D	08/20/2025	11:25

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2878

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	MW-18B-57.5-081325	2177	7.72	5462	10.50	2861	14.35
02	MW-11A-37.5-081425	2250	7.72	5479	10.50	2729	14.35
03	MW-17B-55.5-08122025MS	2023	7.72	4765	10.50	2380	14.35
04	MW-17B-55.5-08122025MSD	2022	7.72	4839	10.50	2406	14.34

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2878

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	MW-18B-57.5-081325	5958	17.09	5314	21.27	4798	23.50
02	MW-11A-37.5-081425	5759	17.09	5360	21.27	4886	23.50
03	MW-17B-55.5-08122025MS	4922	17.09	4507	21.27	3909	23.51
04	MW-17B-55.5-08122025MSD	5009	17.09	4561	21.27	3935	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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2878

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	MW-11A-37.5-081425DL	2132	7.71	4980	10.50	2455	14.35
02	PB169286BL	2323	7.71	5229	10.50	2344	14.35
03	PB169286BS	2389	7.71	5616	10.49	2629	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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2878

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	MW-11A-37.5-081425DL	5117	17.09	4012	21.27	3548	23.50
02	PB169286BL	4466	17.09	3733	21.27	3552	23.50
03	PB169286BS	5040	17.09	4175	21.27	3780	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.:	Q2878
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

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:	PB169286BS	SDG No.:	Q2878
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

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:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-08122025MS	SDG No.:	Q2878
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
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:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-08122025MSD	SDG No.:	Q2878
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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q2878

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.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q2878

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 : BN037614.D
Acq On : 19 Aug 2025 19:07
Operator : RC/JU
Sample : Q2878-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-081325

Quant Time: Aug 20 01:28:56 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

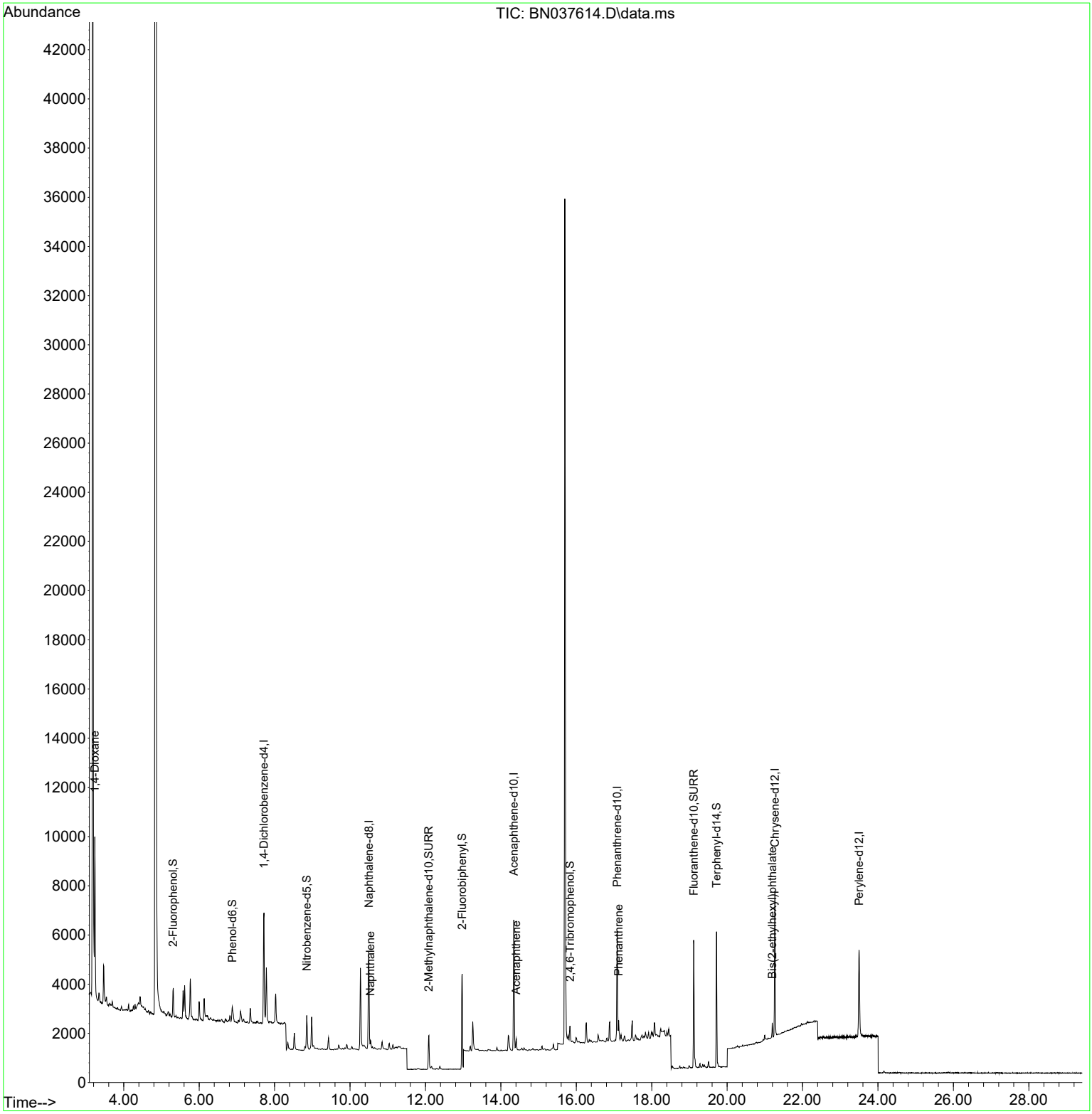
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2177	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5462	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2861	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5958	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	5314	0.400	ng	0.00
35) Perylene-d12	23.499	264	4798	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	471	0.095	ng	0.00
5) Phenol-d6	6.879	99	453	0.076	ng	0.00
8) Nitrobenzene-d5	8.854	82	1115	0.290	ng	0.00
11) 2-Methylnaphthalene-d10	12.086	152	1931	0.260	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	393	0.314	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	5162	0.312	ng	0.00
27) Fluoranthene-d10	19.113	212	5575	0.356	ng	0.00
31) Terphenyl-d14	19.717	244	5126	0.469	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.232	88	3441	1.652	ng	# 87
9) Naphthalene	10.541	128	416	0.029	ng	# 64
17) Acenaphthene	14.409	154	212	0.024	ng	97
25) Phenanthrene	17.124	178	824	0.045	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	557	0.076	ng	# 96

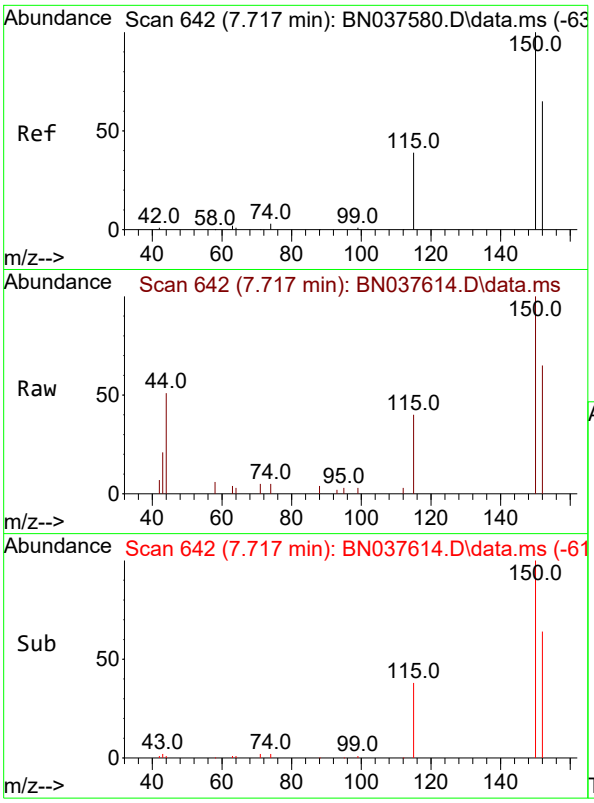
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037614.D
Acq On : 19 Aug 2025 19:07
Operator : RC/JU
Sample : Q2878-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-081325

Quant Time: Aug 20 01:28:56 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



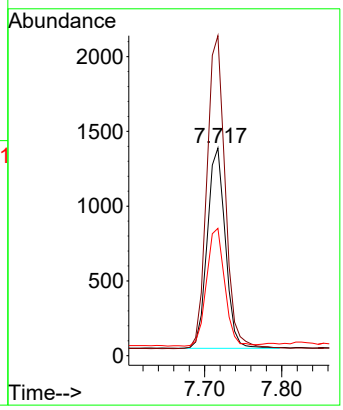


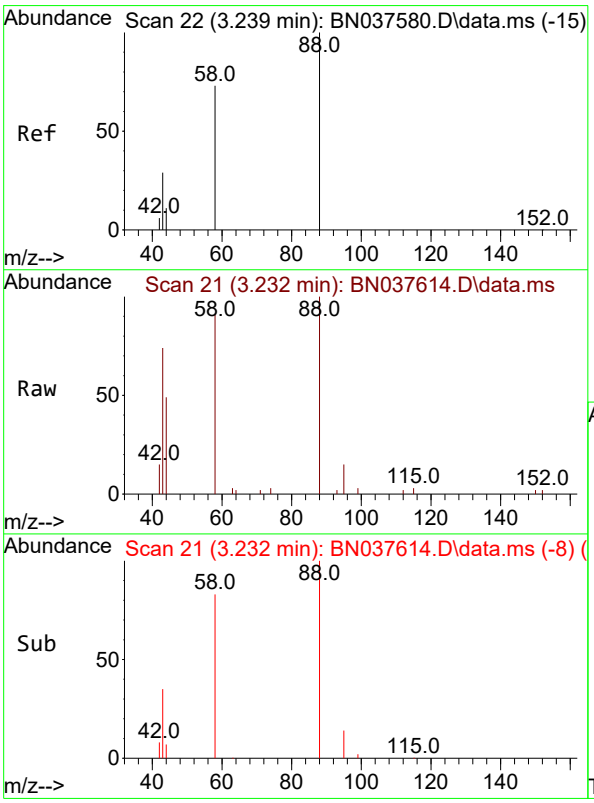
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-081325

Tgt Ion:152 Resp: 2177

Ion	Ratio	Lower	Upper
152	100		
150	154.1	122.2	183.4
115	61.3	49.8	74.6

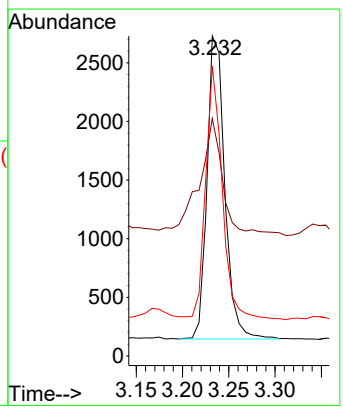


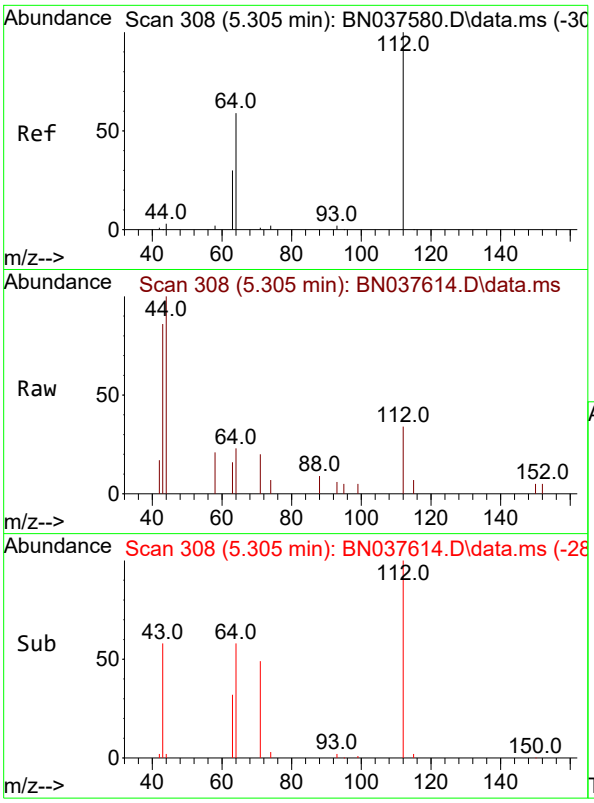


#2
1,4-Dioxane
Concen: 1.652 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Tgt Ion: 88 Resp: 3441

Ion	Ratio	Lower	Upper
88	100		
43	52.5	25.8	38.6#
58	78.8	61.2	91.8



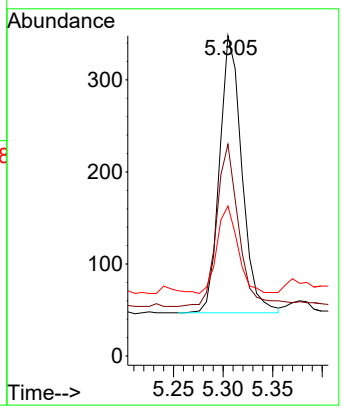


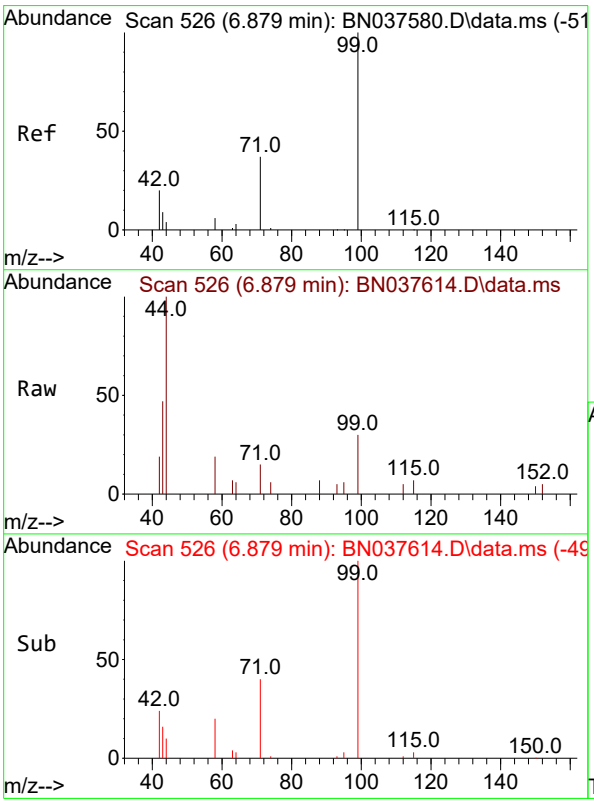
#4
2-Fluorophenol
Concen: 0.095 ng
RT: 5.305 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-081325

Tgt Ion:112 Resp: 471

Ion	Ratio	Lower	Upper
112	100		
64	59.7	44.9	67.3
63	31.6	23.4	35.2

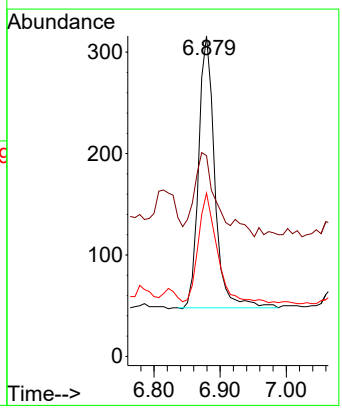


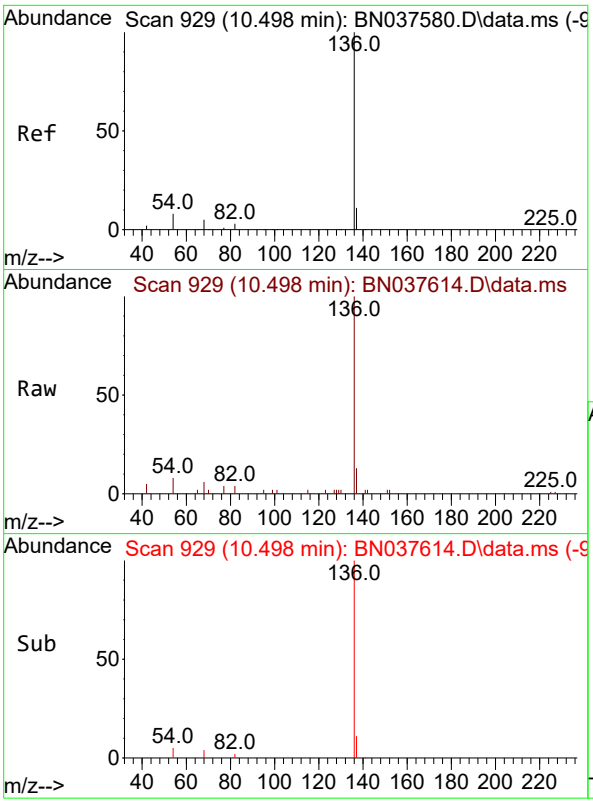


#5
Phenol-d6
Concen: 0.076 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Tgt Ion: 99 Resp: 453

Ion	Ratio	Lower	Upper
99	100		
42	29.4	18.5	27.7#
71	46.8	28.6	42.8#



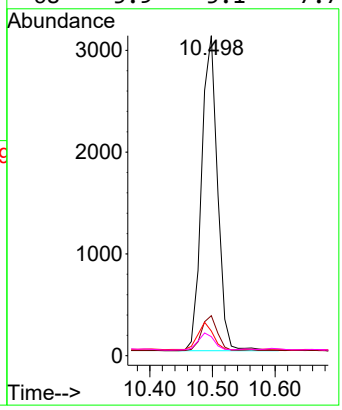


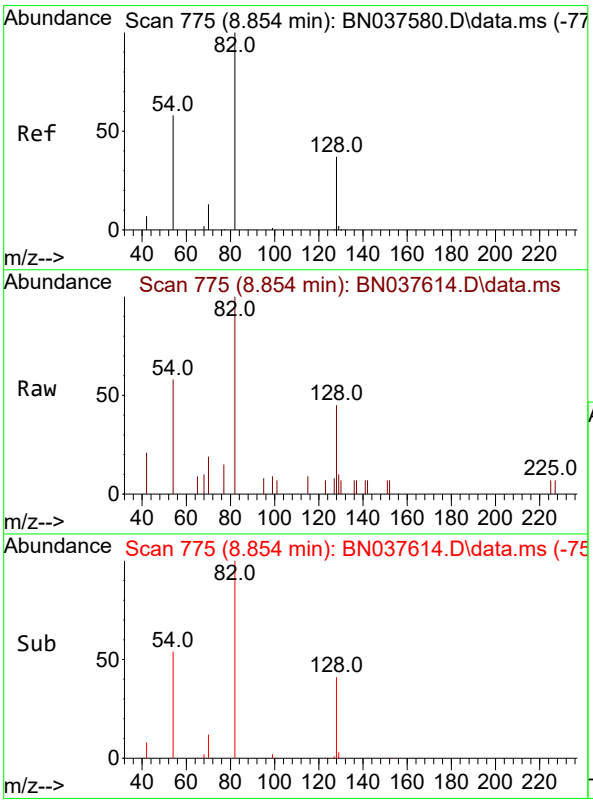
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-081325

Tgt Ion:136 Resp: 5462

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.5	14.3
54	7.7	7.3	10.9
68	5.9	5.1	7.7

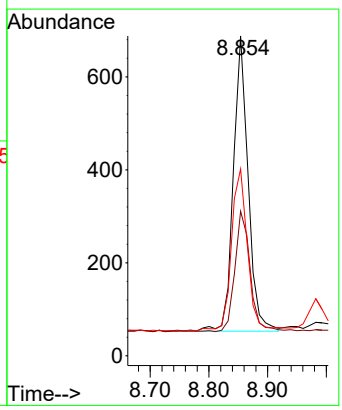


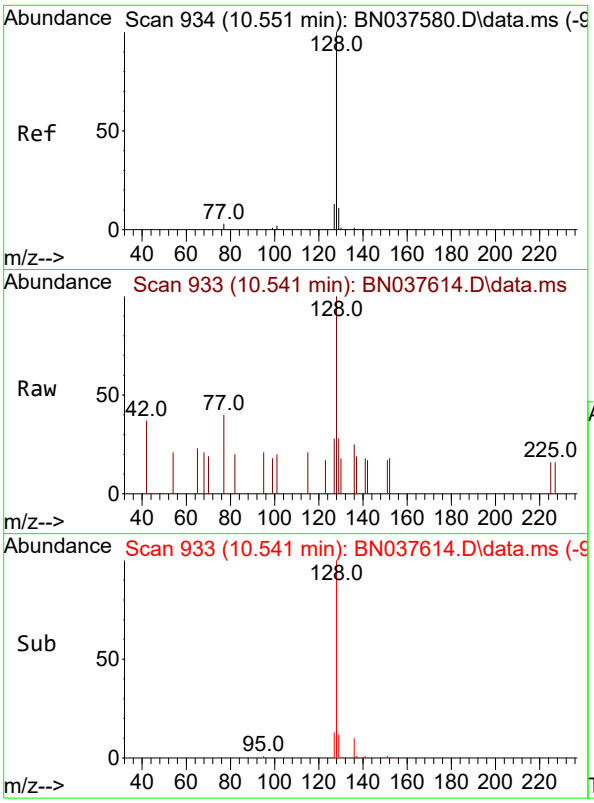


#8
Nitrobenzene-d5
Concen: 0.290 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Tgt Ion: 82 Resp: 1115

Ion	Ratio	Lower	Upper
82	100		
128	45.2	32.6	48.8
54	58.4	48.9	73.3



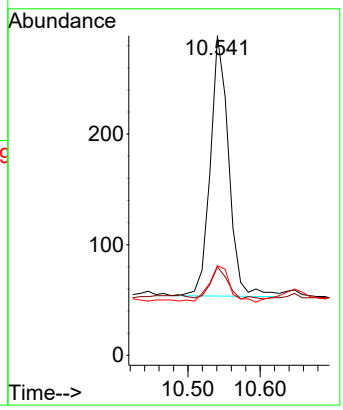


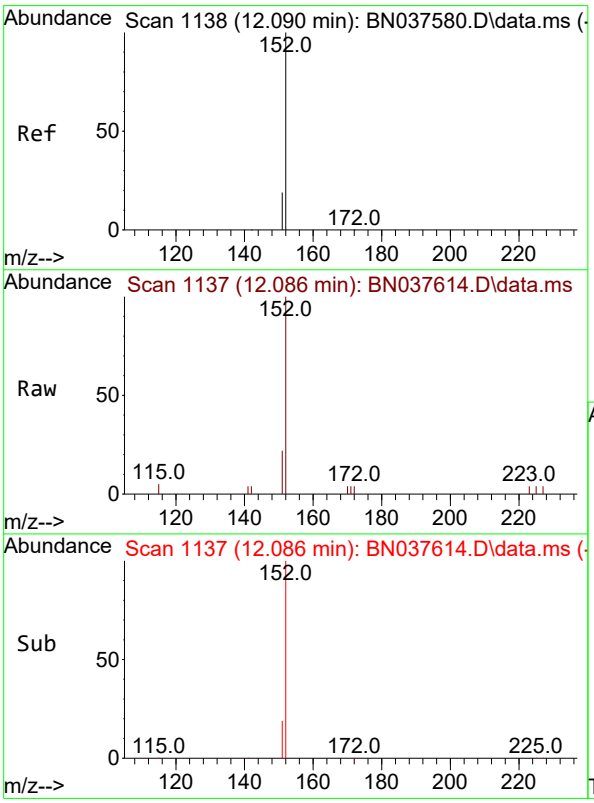
#9
Naphthalene
Concen: 0.029 ng
RT: 10.541 min Scan# 9
Delta R.T. -0.010 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-081325

Tgt Ion:128 Resp: 416

Ion	Ratio	Lower	Upper
128	100		
129	27.7	9.8	14.6#
127	28.0	11.5	17.3#

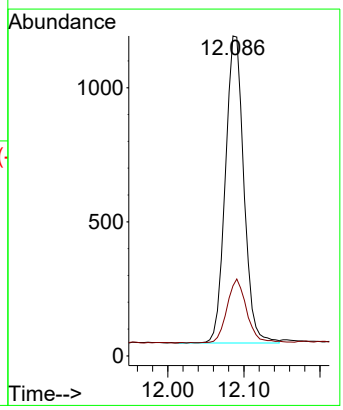


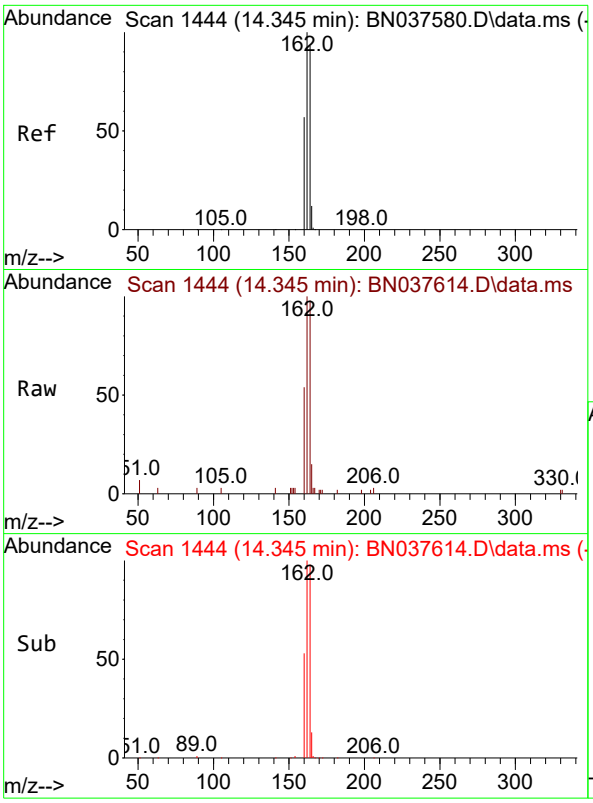


#11
2-Methylnaphthalene-d10
Concen: 0.260 ng
RT: 12.086 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Tgt Ion:152 Resp: 1931

Ion	Ratio	Lower	Upper
152	100		
151	22.6	17.3	25.9



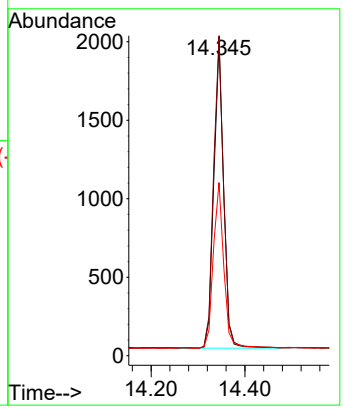


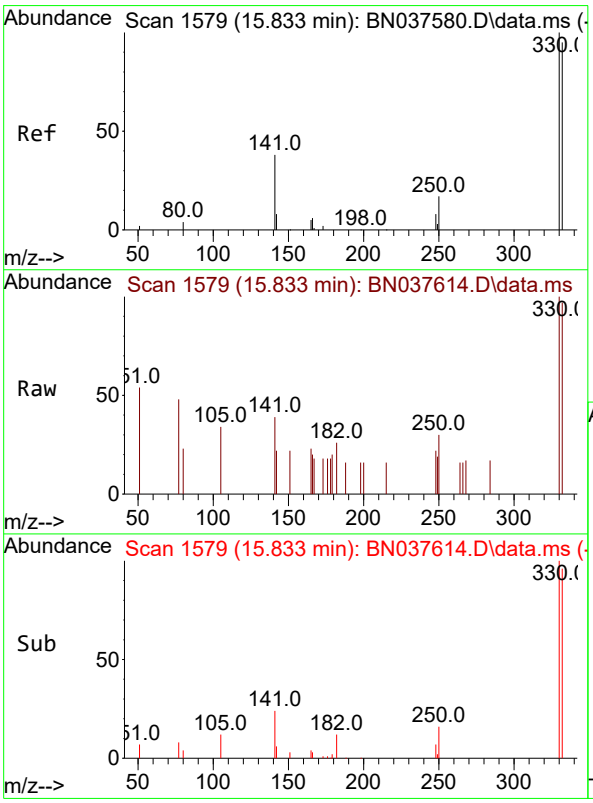
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-081325

Tgt Ion:164 Resp: 2861

Ion	Ratio	Lower	Upper
164	100		
162	102.1	85.5	128.3
160	55.2	49.5	74.3

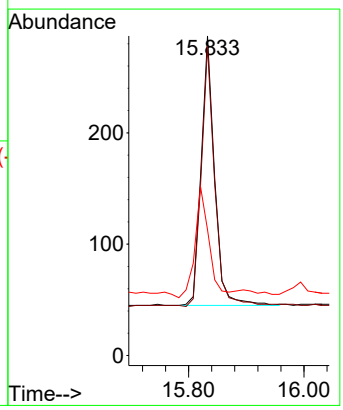


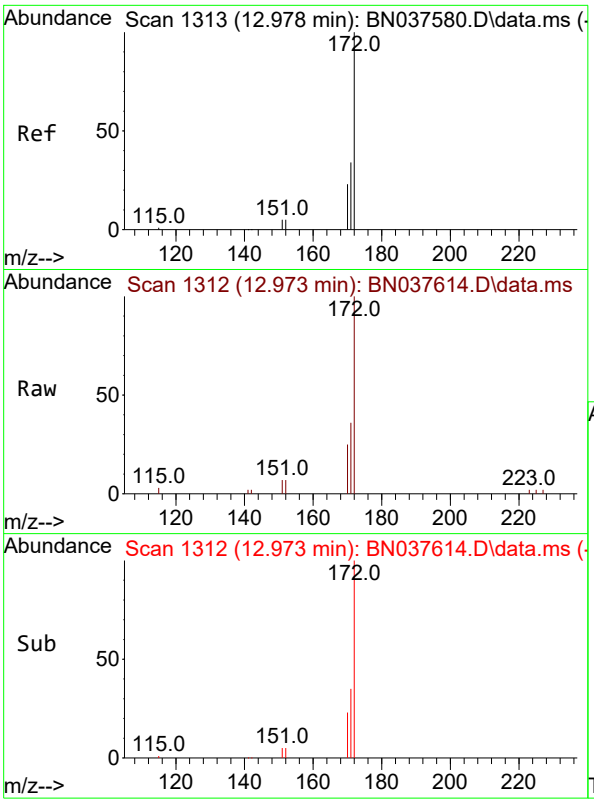


#14
2,4,6-Tribromophenol
Concen: 0.314 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Tgt Ion:330 Resp: 393

Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.4	116.0
141	42.7	30.9	46.3



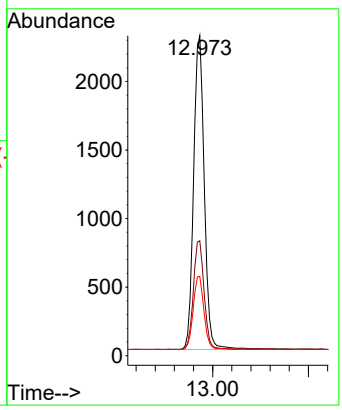


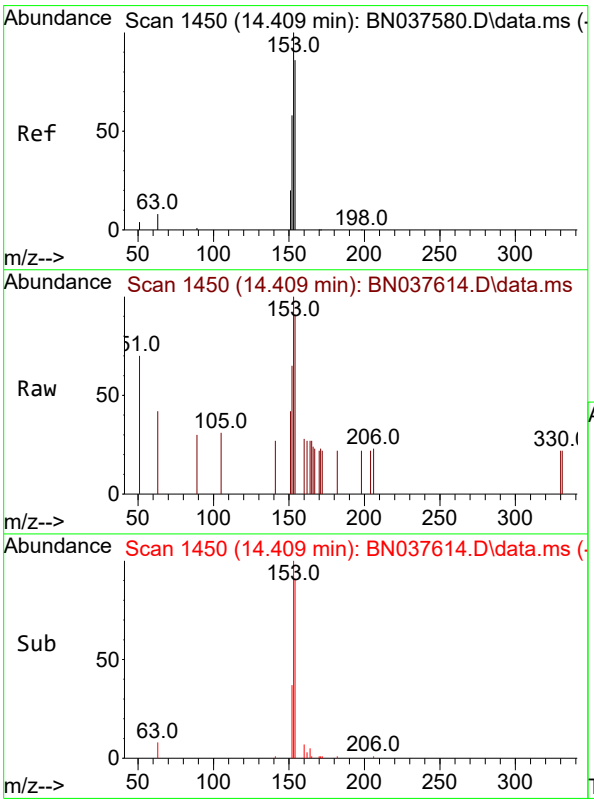
#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 12.973 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-081325

Tgt Ion:172 Resp: 5162

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.4
170	24.8	19.2	28.8

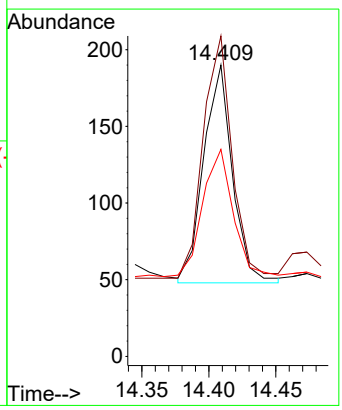


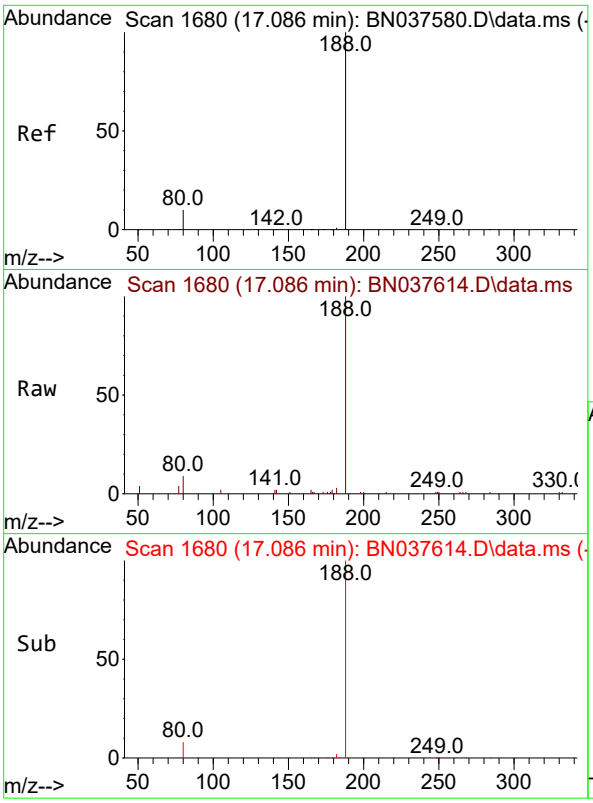


#17
Acenaphthene
Concen: 0.024 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Tgt Ion:154 Resp: 212

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.6	135.8
152	61.8	54.9	82.3



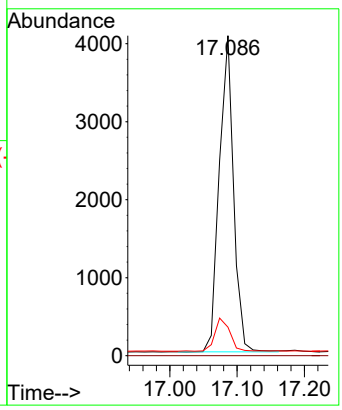


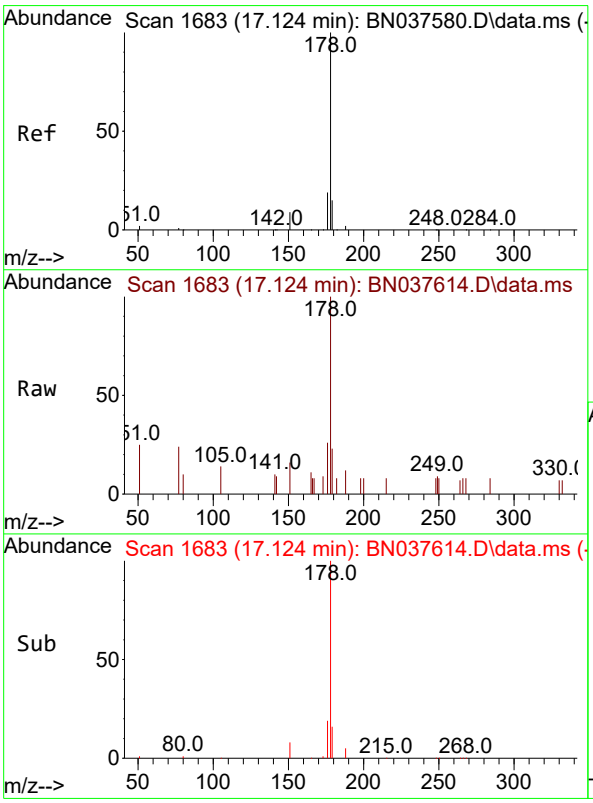
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-081325

Tgt Ion:188 Resp: 5958

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	9.1	13.7#

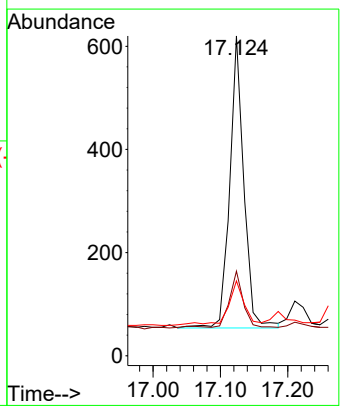


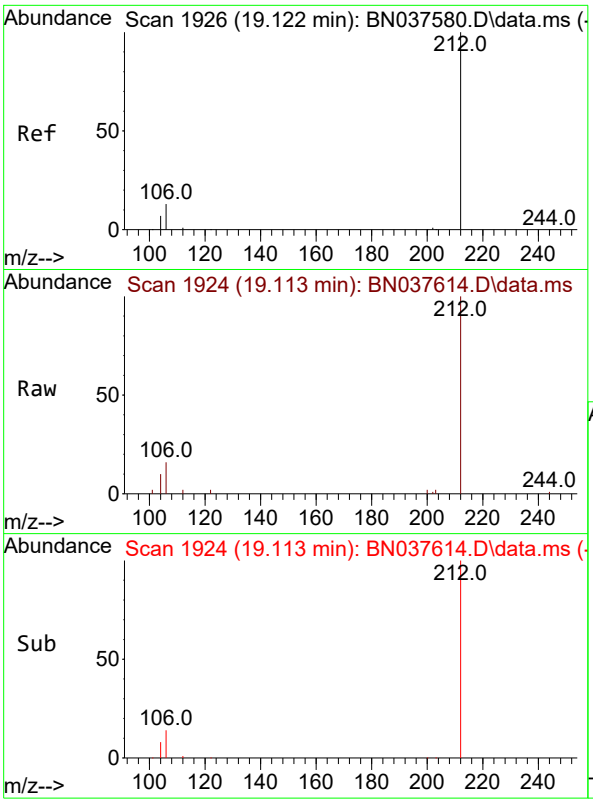


#25
Phenanthrene
Concen: 0.045 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Tgt Ion:178 Resp: 824

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.6
179	15.2	12.3	18.5



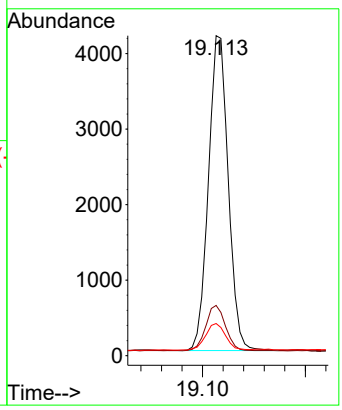


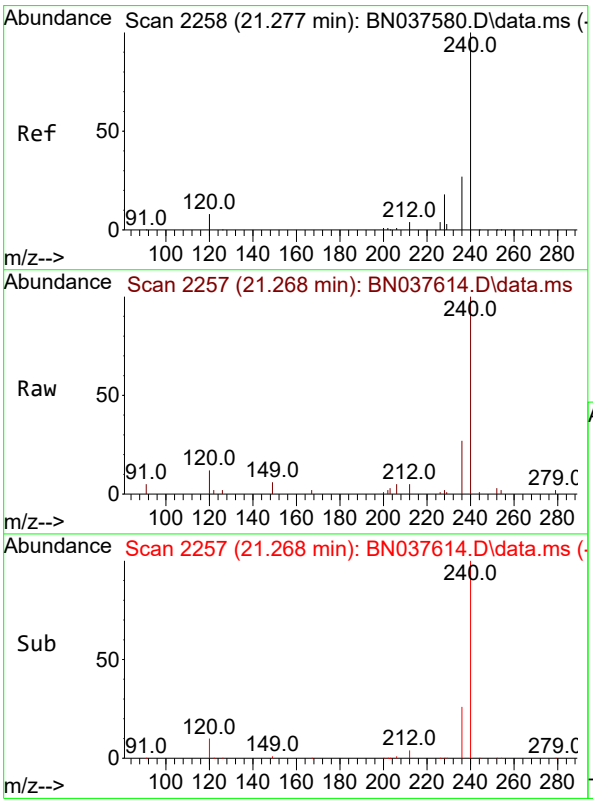
#27
Fluoranthene-d10
Concen: 0.356 ng
RT: 19.113 min Scan# 1
Delta R.T. -0.009 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-081325

Tgt Ion:212 Resp: 5575

Ion	Ratio	Lower	Upper
212	100		
106	14.7	11.5	17.3
104	8.4	6.6	9.8

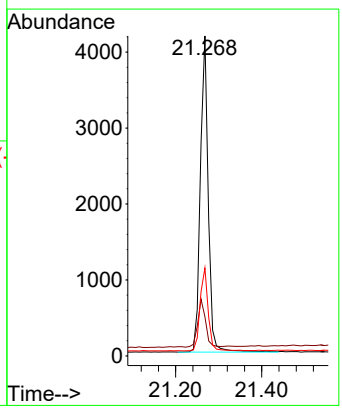


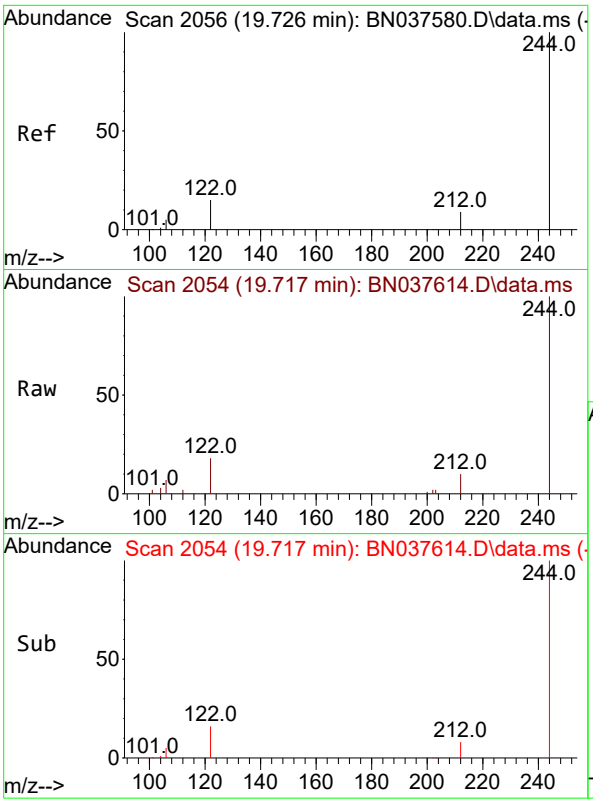


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Tgt Ion:240 Resp: 5314

Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.9	13.3
236	27.5	22.6	33.8



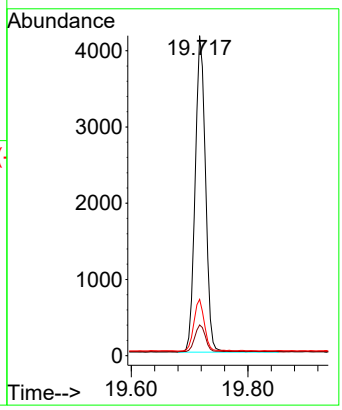


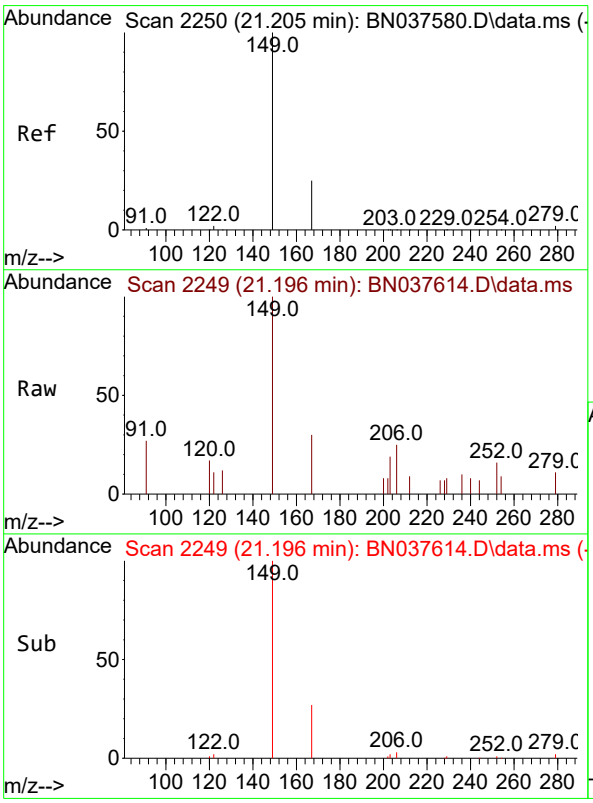
#31
Terphenyl-d14
Concen: 0.469 ng
RT: 19.717 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-081325

Tgt Ion:244 Resp: 5126

Ion	Ratio	Lower	Upper
244	100		
212	9.6	8.2	12.2
122	17.6	13.2	19.8

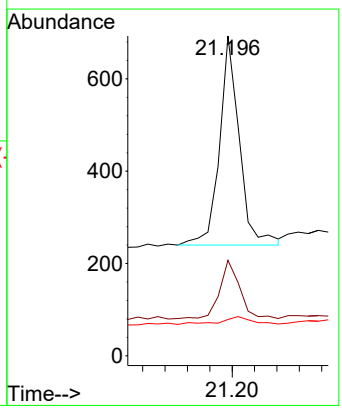


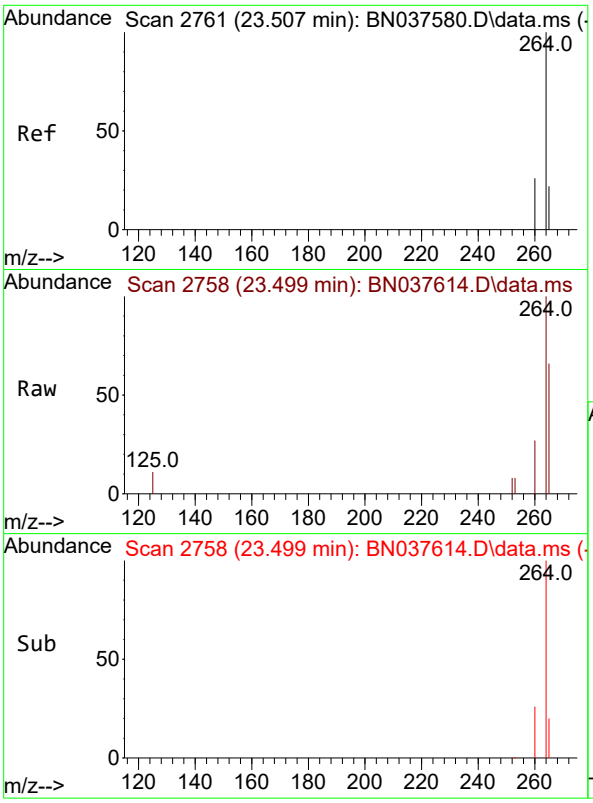


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.076 ng
RT: 21.196 min Scan# 2249
Delta R.T. -0.009 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Tgt Ion:149 Resp: 557

Ion	Ratio	Lower	Upper
149	100		
167	27.6	20.5	30.7
279	5.9	2.6	4.0#



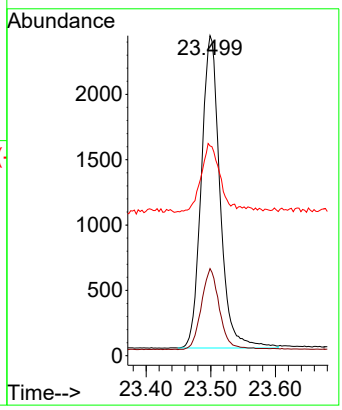


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.499 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037614.D
Acq: 19 Aug 2025 19:07

Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-081325

Tgt Ion:264 Resp: 4798

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.6	32.4
265	65.5	48.2	72.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037615.D
Acq On : 19 Aug 2025 19:43
Operator : RC/JU
Sample : Q2878-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425

Quant Time: Aug 20 01:29:19 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

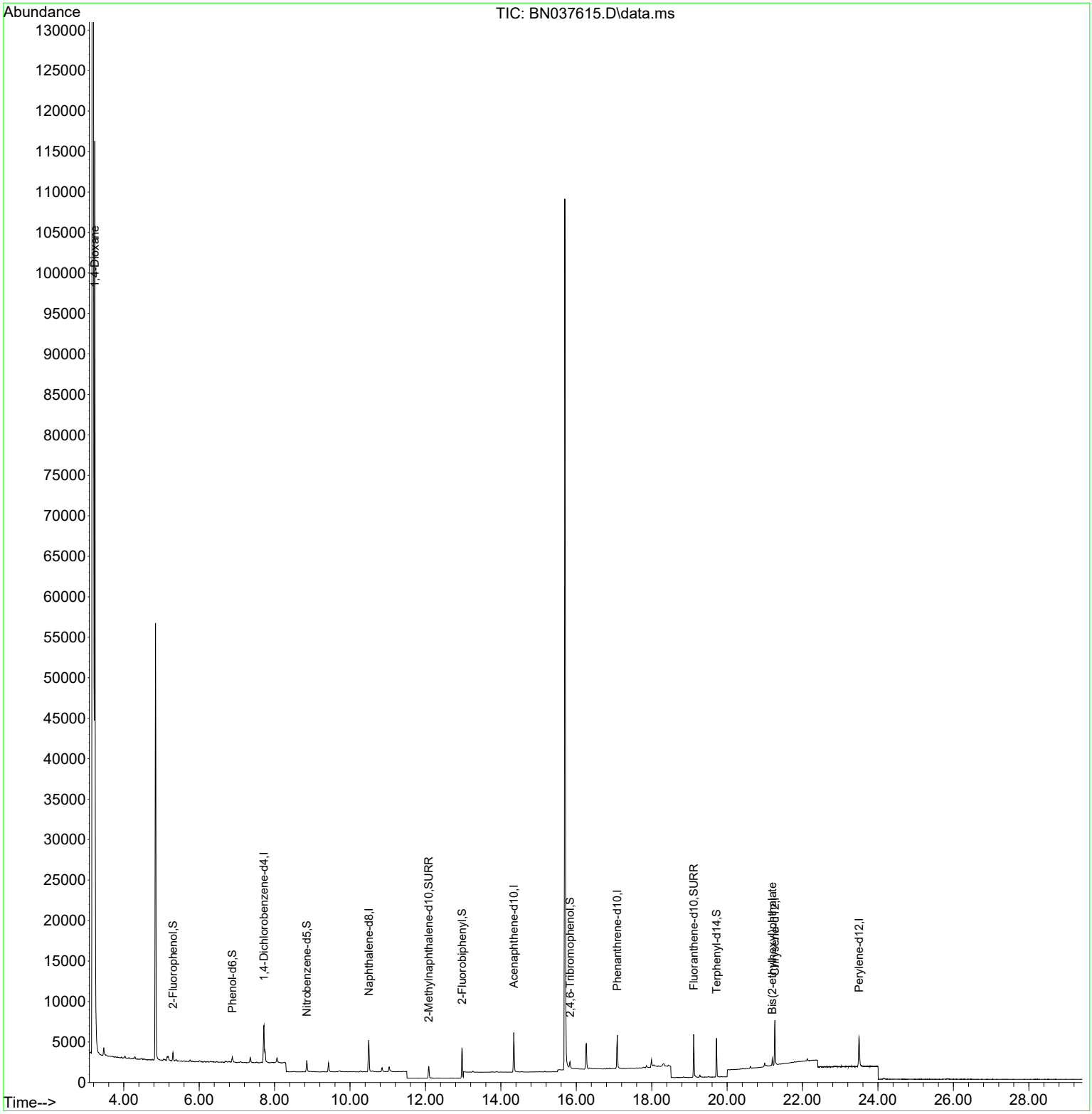
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2250	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5479	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2729	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5759	0.400	ng	0.00
29) Chrysene-d12	21.268	240	5360	0.400	ng	0.00
35) Perylene-d12	23.499	264	4886	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	751	0.147	ng	0.00
5) Phenol-d6	6.879	99	566	0.092	ng	0.00
8) Nitrobenzene-d5	8.854	82	1174	0.304	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	2019	0.271	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	463	0.388	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	4882	0.309	ng	0.00
27) Fluoranthene-d10	19.113	212	5798	0.383	ng	0.00
31) Terphenyl-d14	19.717	244	4557	0.413	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.232	88	52511	24.394	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	811	0.110	ng	99

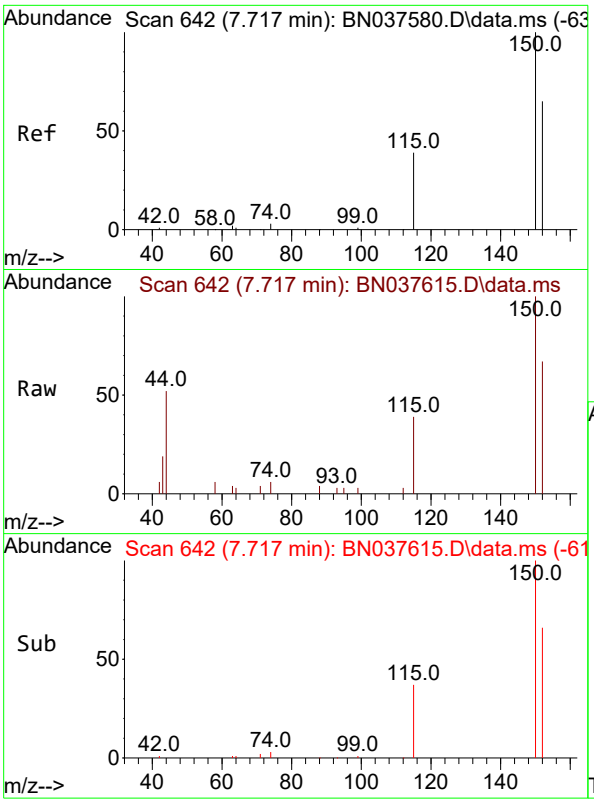
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037615.D
Acq On : 19 Aug 2025 19:43
Operator : RC/JU
Sample : Q2878-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425

Quant Time: Aug 20 01:29:19 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



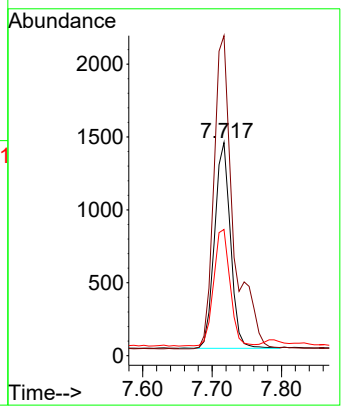


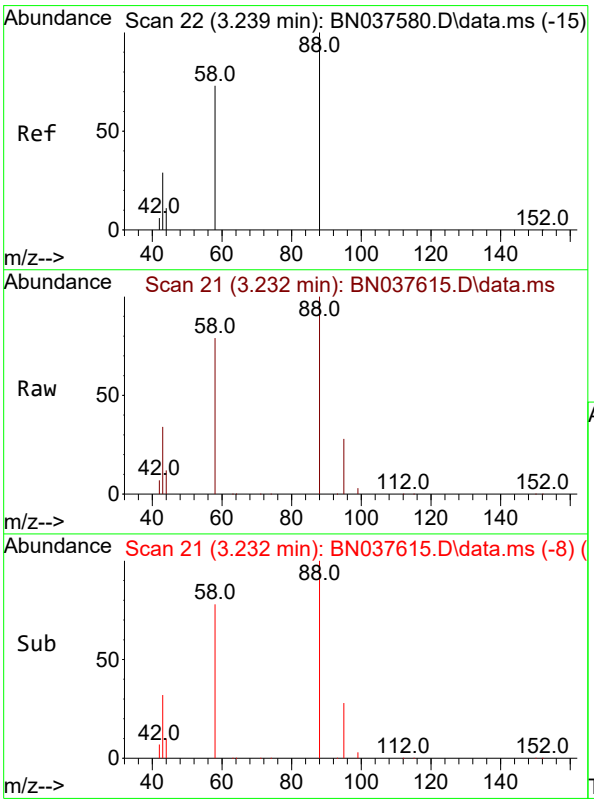
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:152 Resp: 2250

Ion	Ratio	Lower	Upper
152	100		
150	150.1	122.2	183.4
115	59.2	49.8	74.6

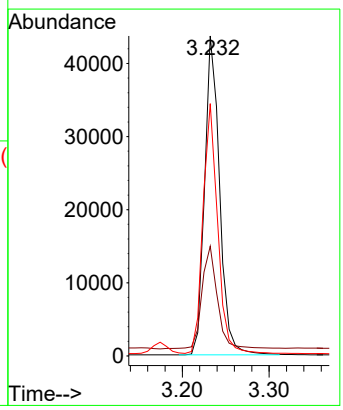


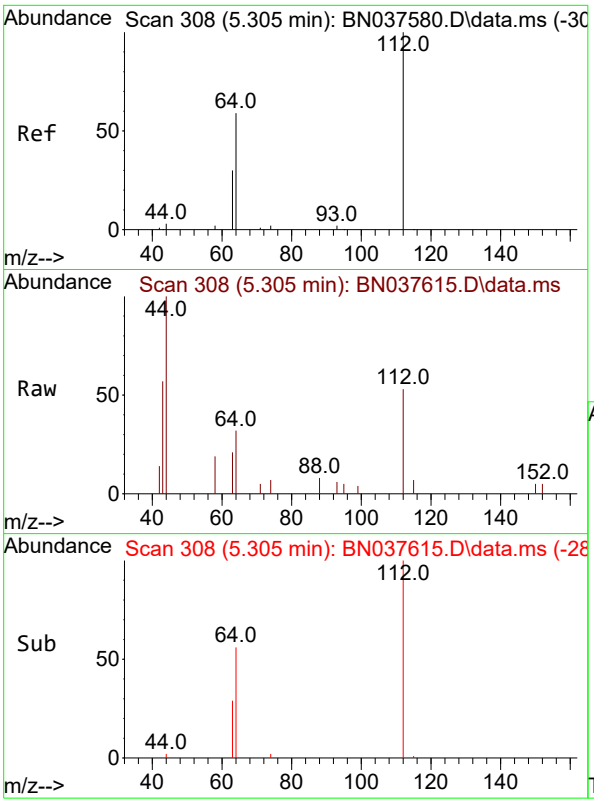


#2
1,4-Dioxane
Concen: 24.394 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Tgt Ion: 88 Resp: 52511

Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.8	38.6
58	76.4	61.2	91.8



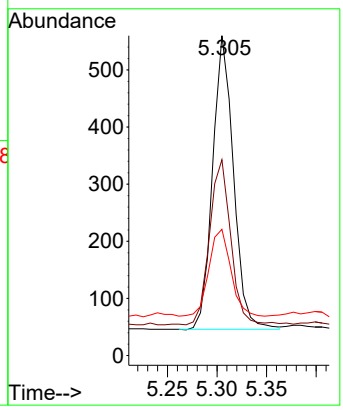


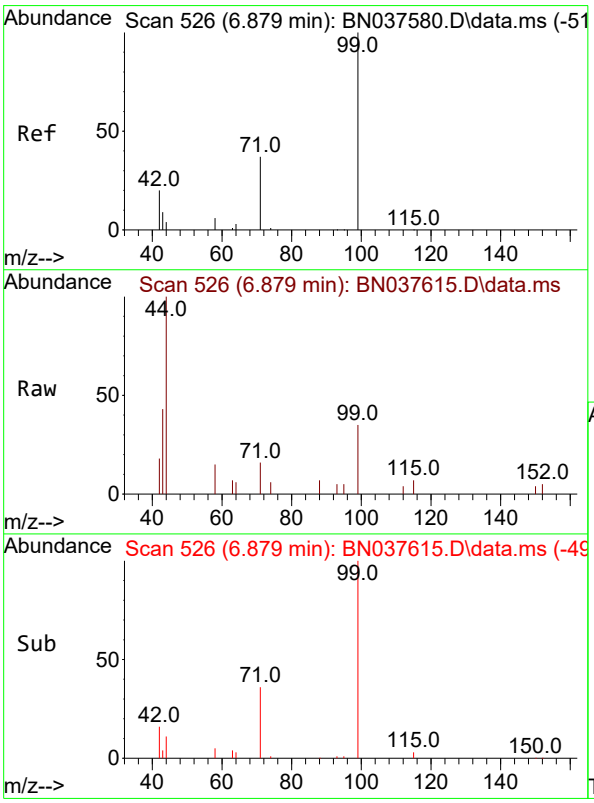
#4
2-Fluorophenol
Concen: 0.147 ng
RT: 5.305 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:112 Resp: 751

Ion	Ratio	Lower	Upper
112	100		
64	57.3	44.9	67.3
63	32.2	23.4	35.2

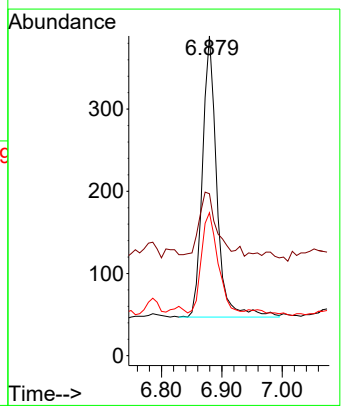


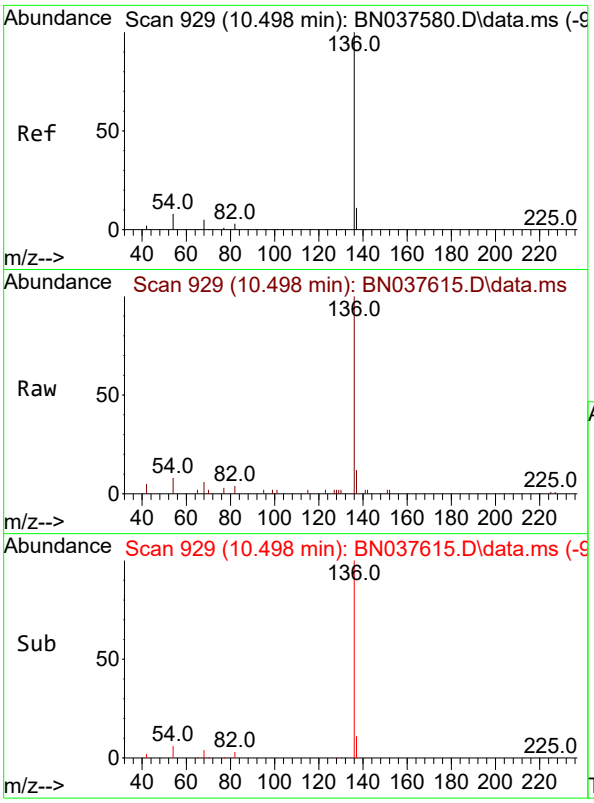


#5
Phenol-d6
Concen: 0.092 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Tgt Ion: 99 Resp: 566

Ion	Ratio	Lower	Upper
99	100		
42	27.6	18.5	27.7
71	43.1	28.6	42.8#



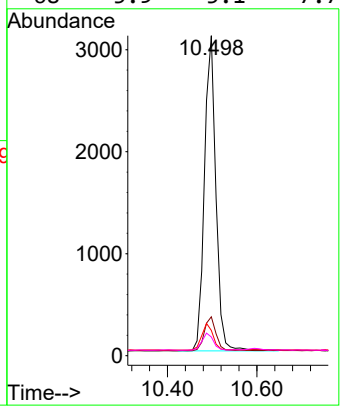


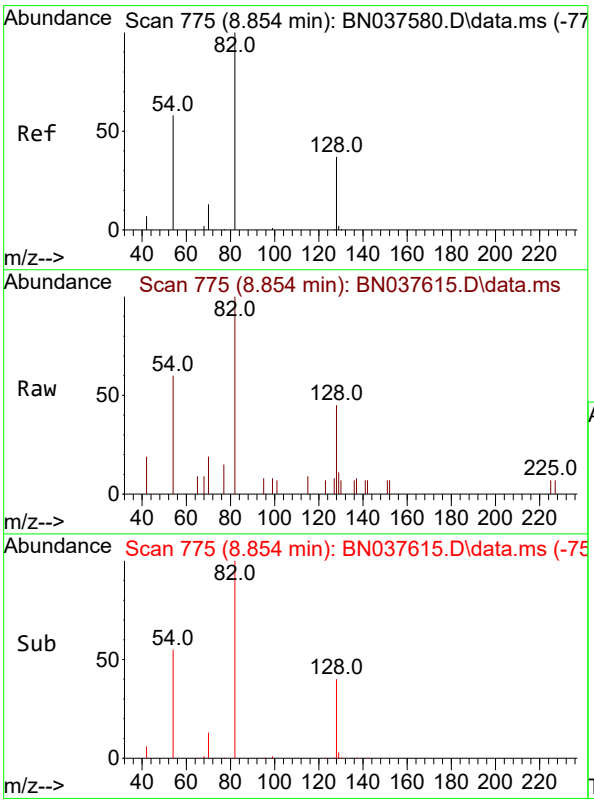
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:136 Resp: 5479

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	7.9	7.3	10.9
68	5.9	5.1	7.7

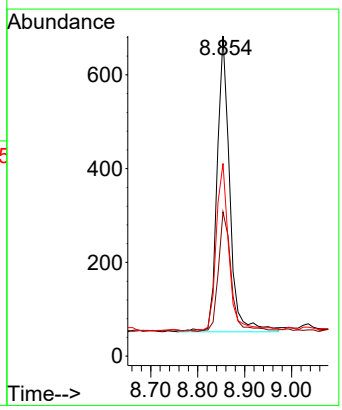


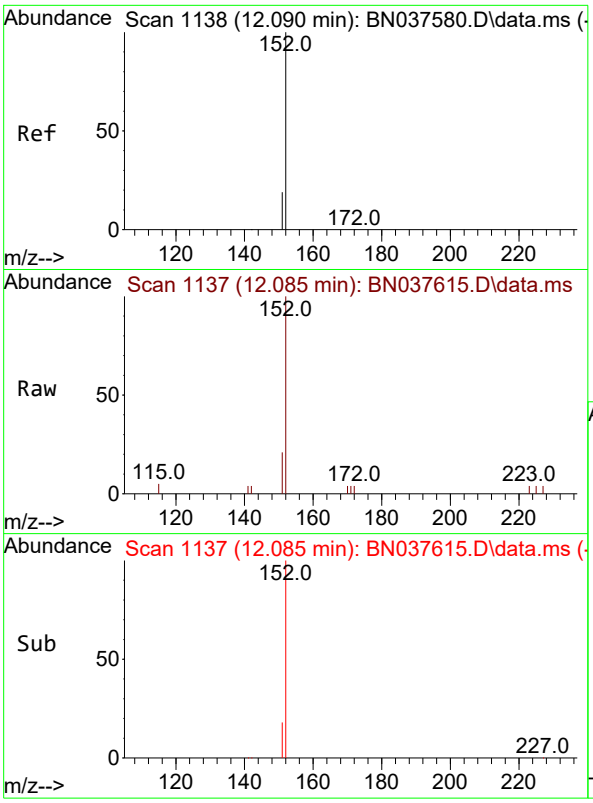


#8
Nitrobenzene-d5
Concen: 0.304 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Tgt Ion: 82 Resp: 1174

Ion	Ratio	Lower	Upper
82	100		
128	45.1	32.6	48.8
54	60.2	48.9	73.3



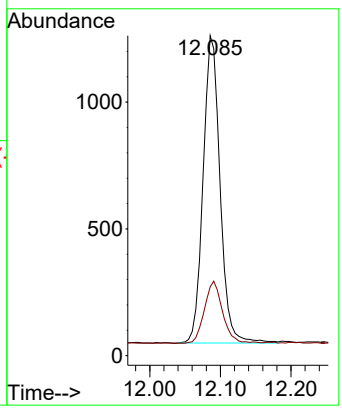


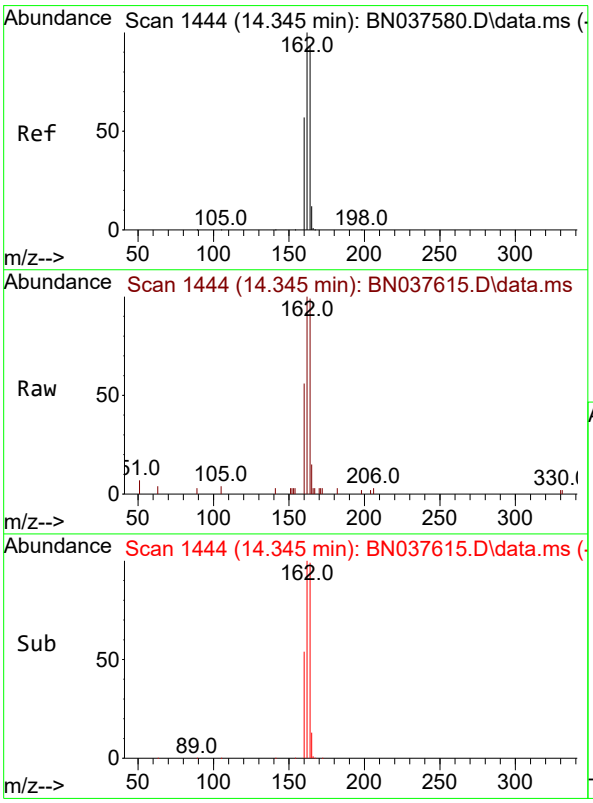
#11
2-Methylnaphthalene-d10
Concen: 0.271 ng
RT: 12.085 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:152 Resp: 2019

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.3	25.9

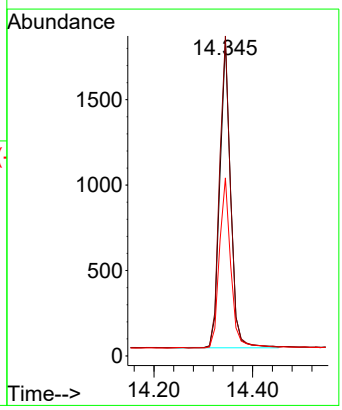


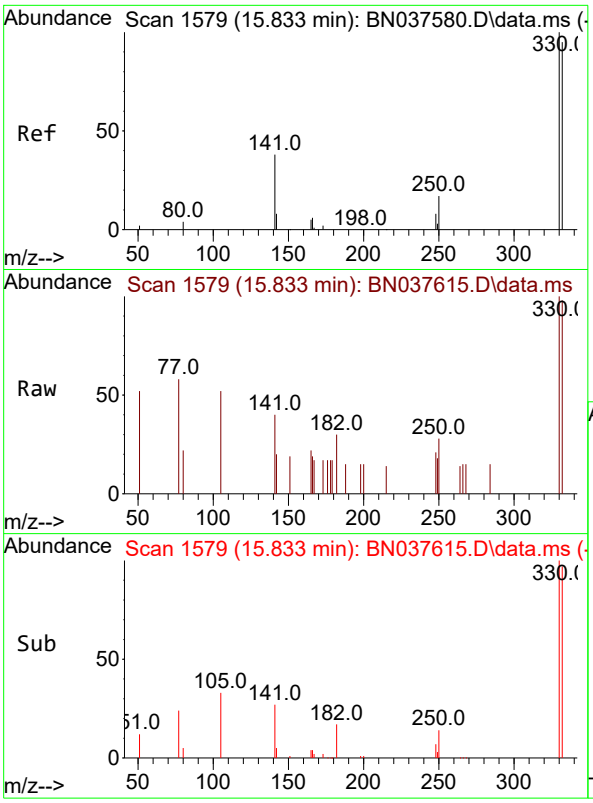


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Tgt Ion:164 Resp: 2729

Ion	Ratio	Lower	Upper
164	100		
162	101.3	85.5	128.3
160	56.4	49.5	74.3



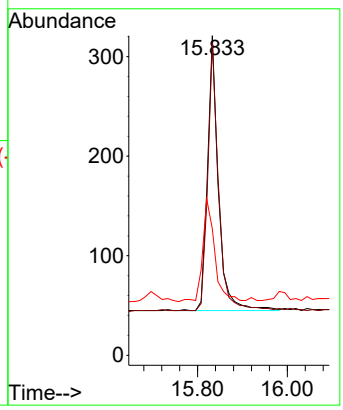


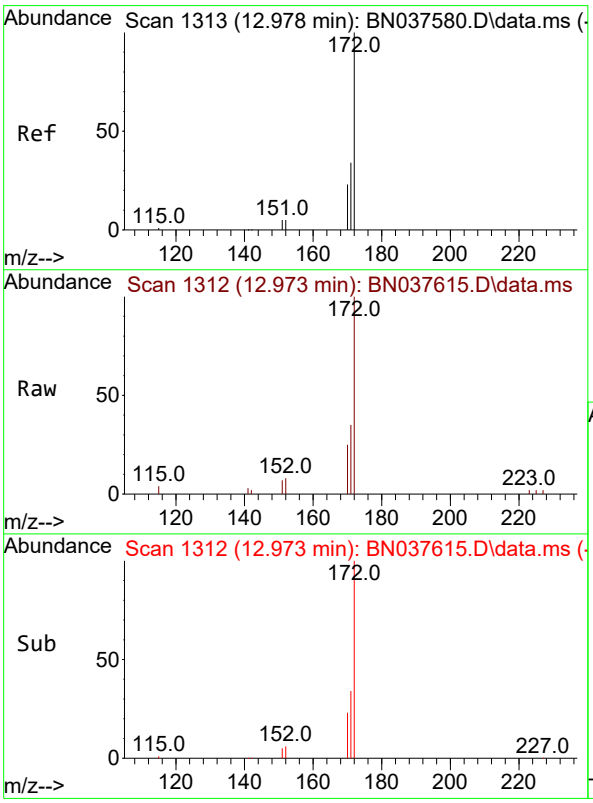
#14
2,4,6-Tribromophenol
Concen: 0.388 ng
RT: 15.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:330 Resp: 463

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	41.0	30.9	46.3

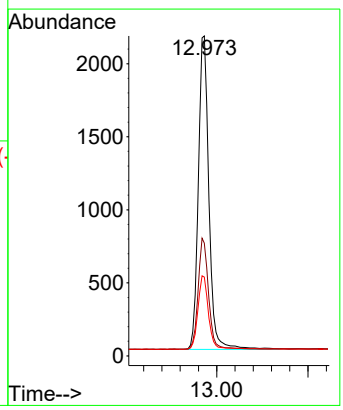


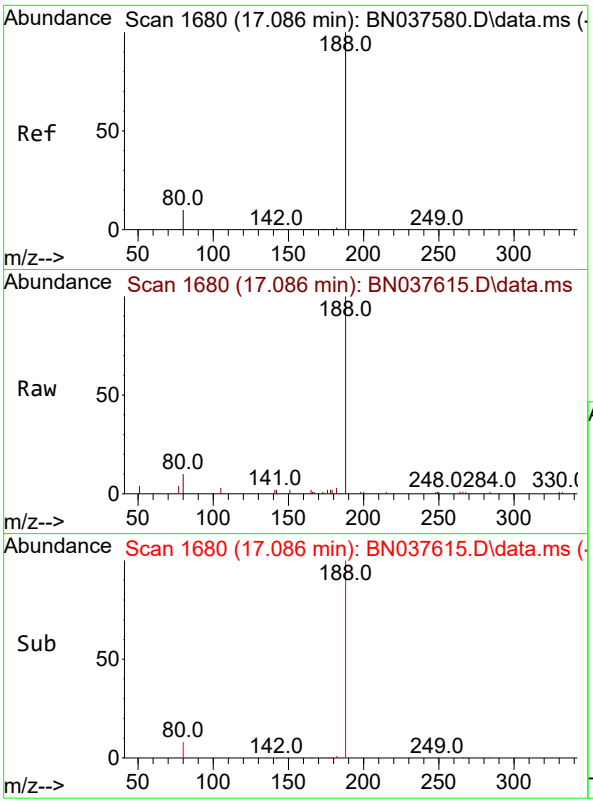


#15
2-Fluorobiphenyl
Concen: 0.309 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Tgt Ion:172 Resp: 4882

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	24.7	19.2	28.8



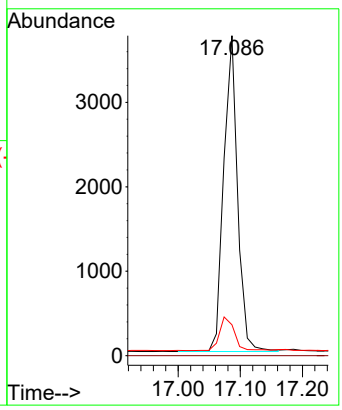


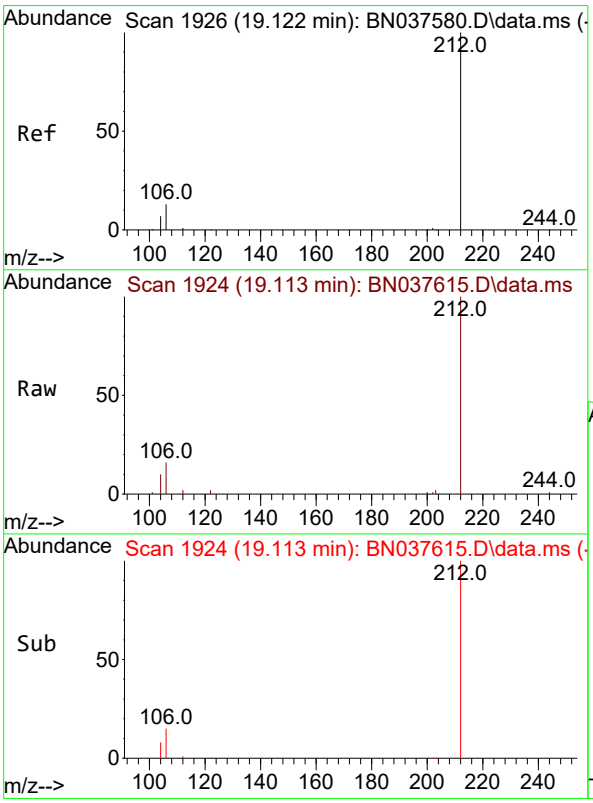
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:188 Resp: 5759

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

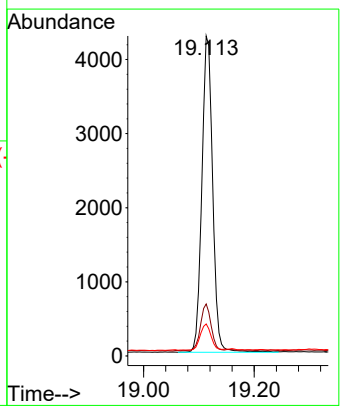


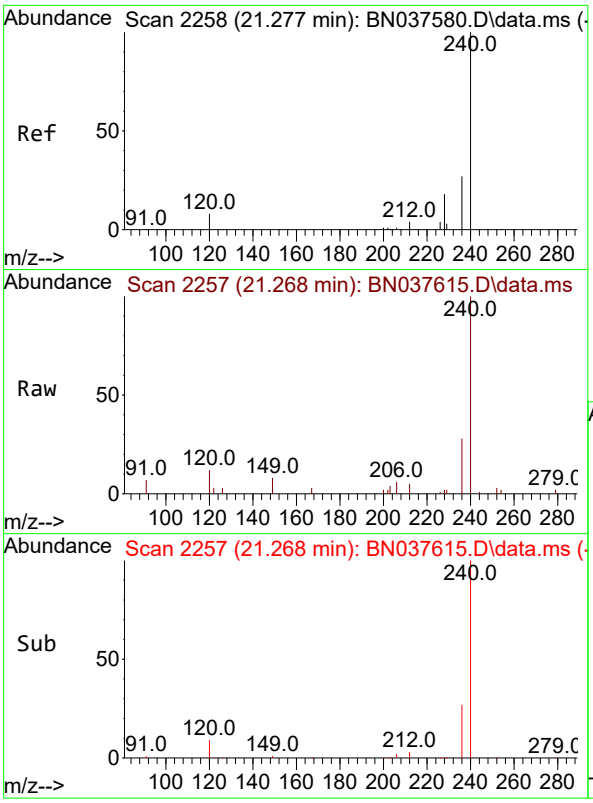


#27
Fluoranthene-d10
Concen: 0.383 ng
RT: 19.113 min Scan# 1924
Delta R.T. -0.009 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Tgt Ion:212 Resp: 5798

Ion	Ratio	Lower	Upper
212	100		
106	14.5	11.5	17.3
104	8.2	6.6	9.8



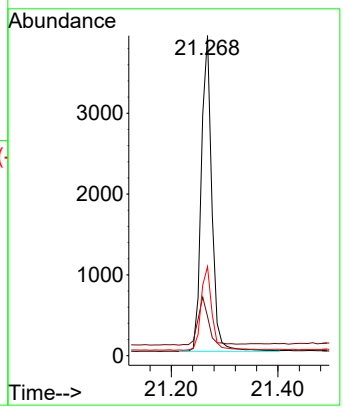


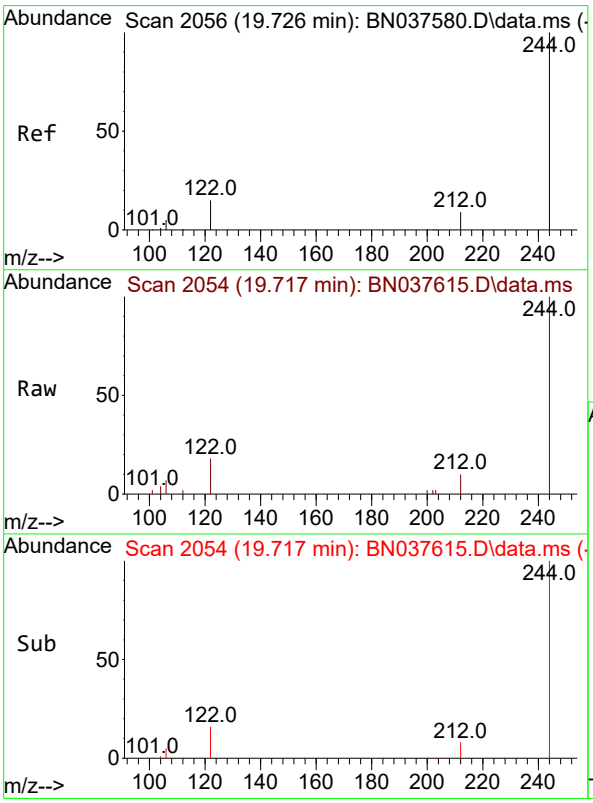
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:240 Resp: 5360

Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.9	13.3
236	27.8	22.6	33.8

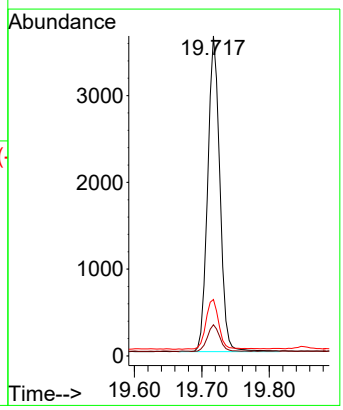


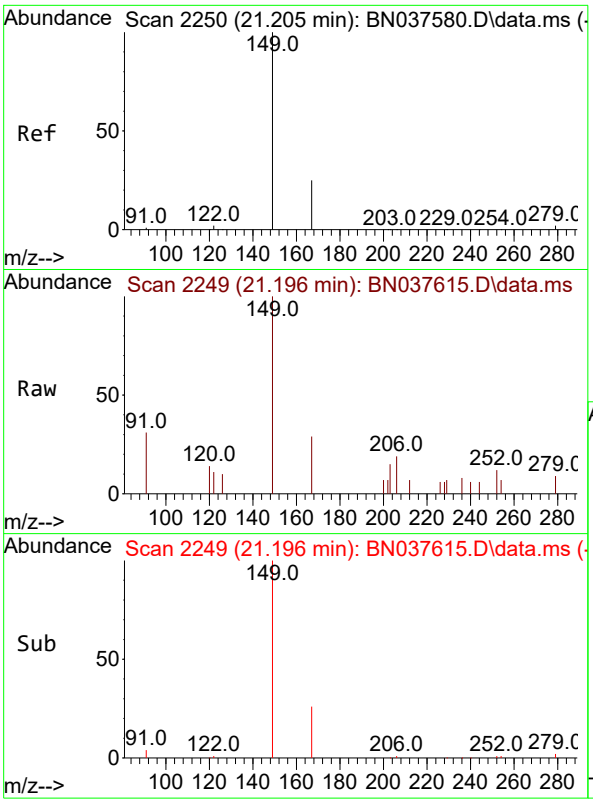


#31
Terphenyl-d14
Concen: 0.413 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Tgt Ion:244 Resp: 4557

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



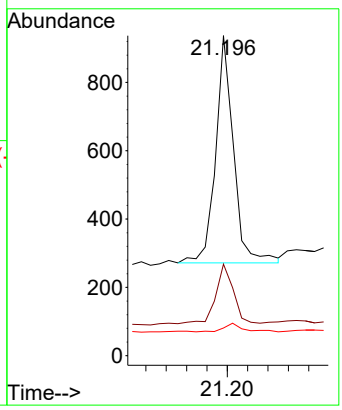


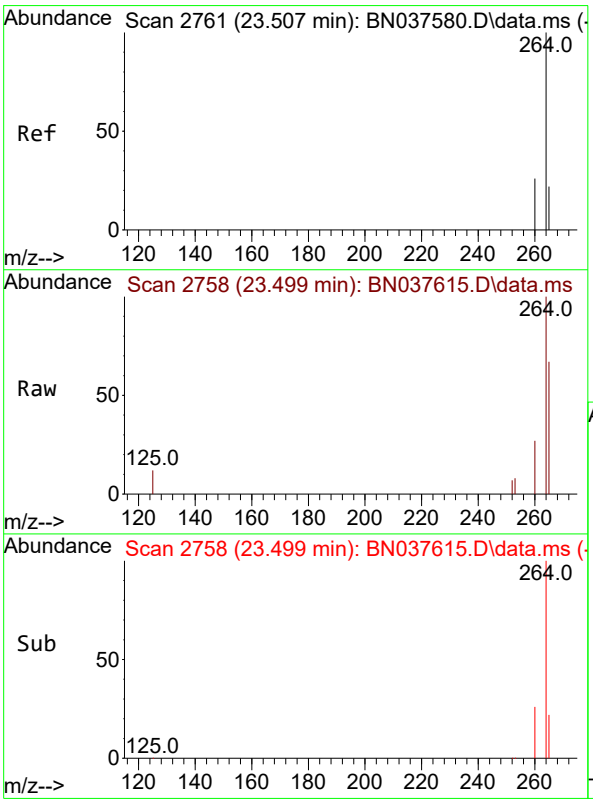
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.110 ng
RT: 21.196 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425

Tgt Ion:149 Resp: 811

Ion	Ratio	Lower	Upper
149	100		
167	25.4	20.5	30.7
279	3.9	2.6	4.0

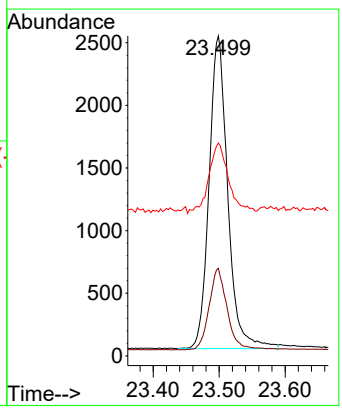




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.499 min Scan# 2758
Delta R.T. -0.009 min
Lab File: BN037615.D
Acq: 19 Aug 2025 19:43

Tgt Ion:264 Resp: 4886

Ion	Ratio	Lower	Upper
264	100		
260	27.4	21.6	32.4
265	66.6	48.2	72.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037629.D
Acq On : 20 Aug 2025 10:49
Operator : RC/JU
Sample : Q2878-05DL 20X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425DL

Quant Time: Aug 21 04:13:34 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

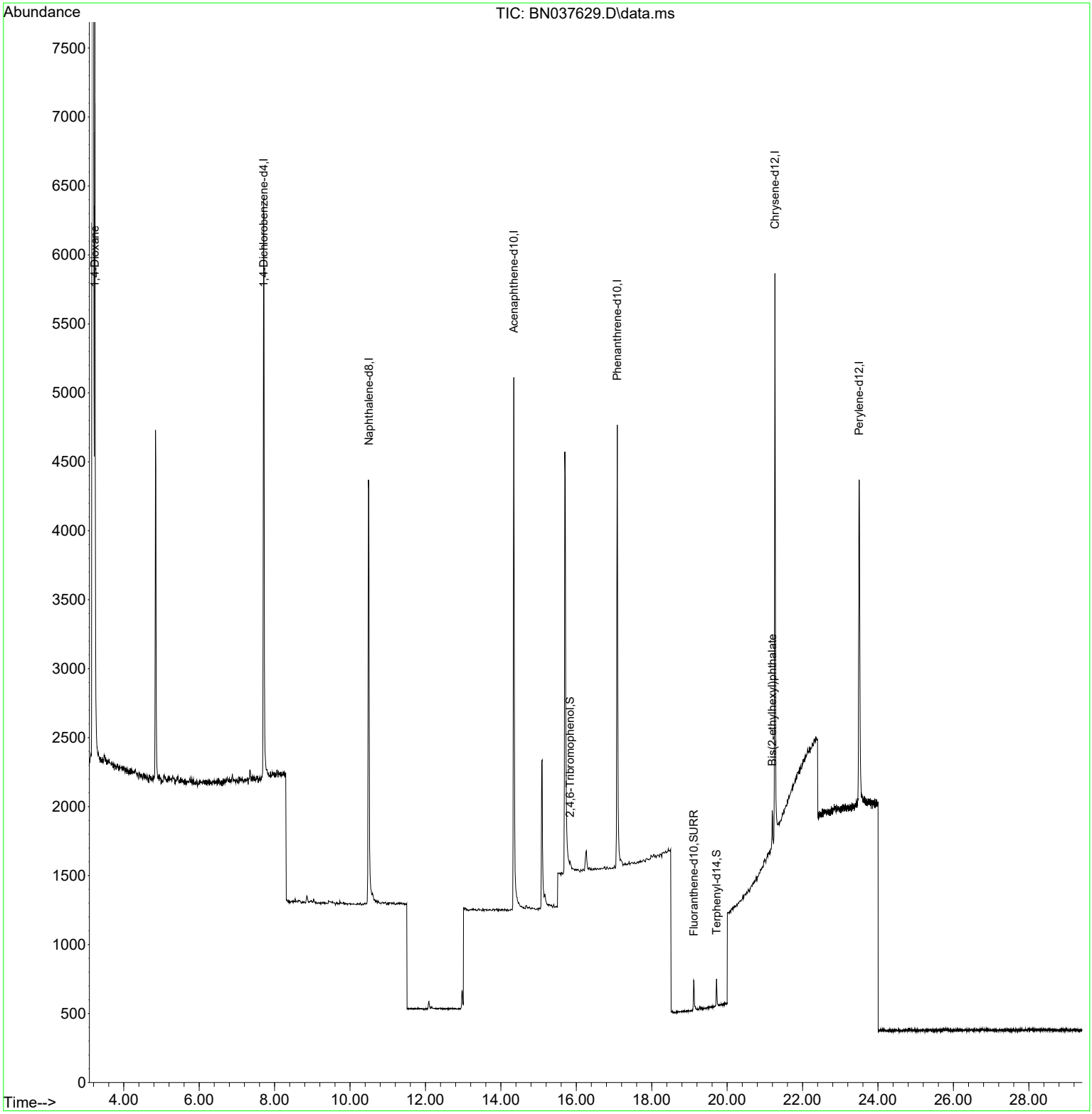
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2132	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4980	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2455	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5117	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4012	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	3548	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	43	0.009	ng	0.00
5) Phenol-d6	0.000	99	0d	0.000	ng	
8) Nitrobenzene-d5	8.854	82	54	0.015	ng	0.00
11) 2-Methylnaphthalene-d10	12.091	152	94	0.014	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	24	0.022	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	212	0.015	ng	0.00
27) Fluoranthene-d10	19.113	212	288	0.021	ng	0.00
31) Terphenyl-d14	19.717	244	220	0.027	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.232	88	3017	1.479	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	304	0.055	ng	# 92

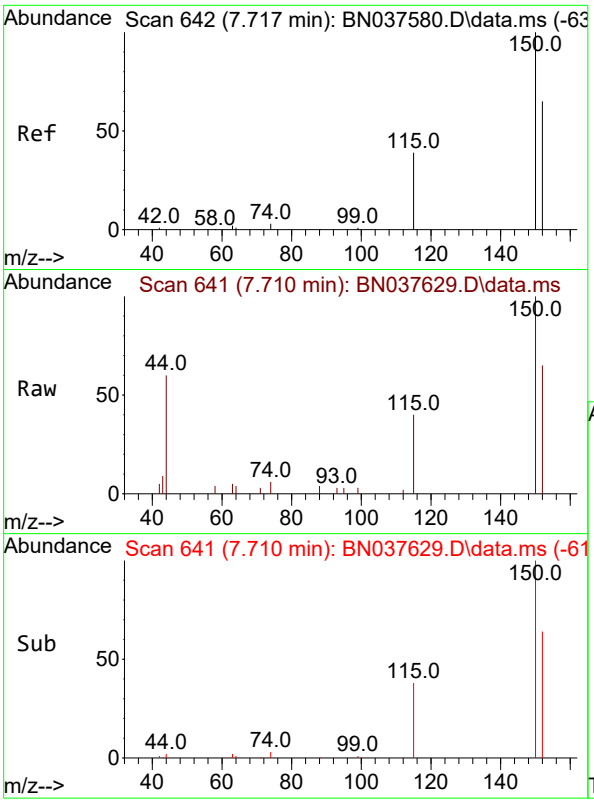
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037629.D
Acq On : 20 Aug 2025 10:49
Operator : RC/JU
Sample : Q2878-05DL 20X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425DL

Quant Time: Aug 21 04:13:34 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



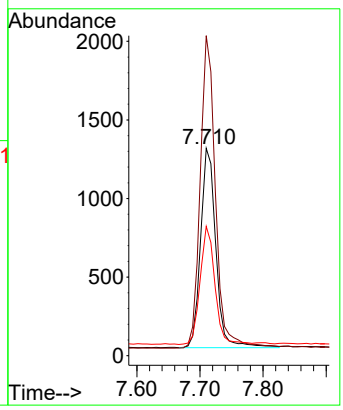


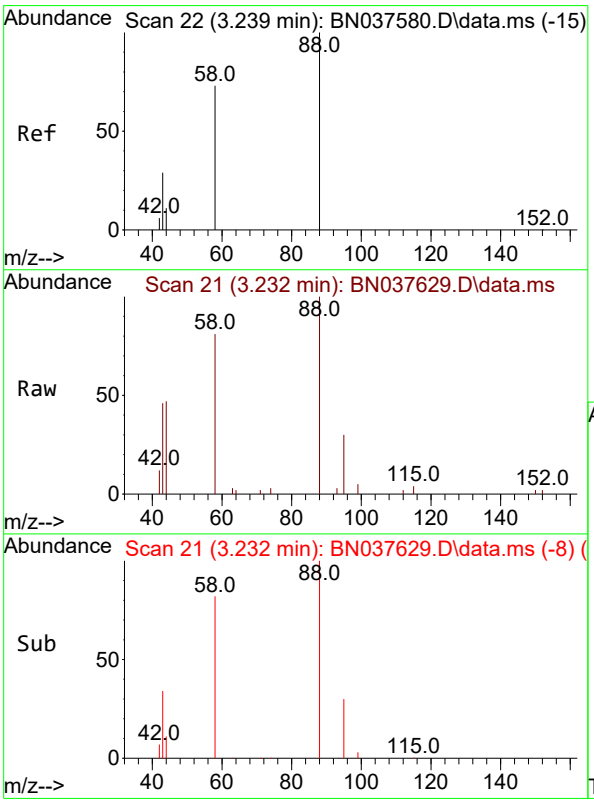
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425DL

Tgt Ion:152 Resp: 2132

Ion	Ratio	Lower	Upper
152	100		
150	154.4	122.2	183.4
115	62.4	49.8	74.6

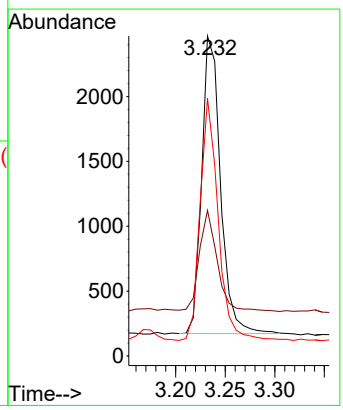


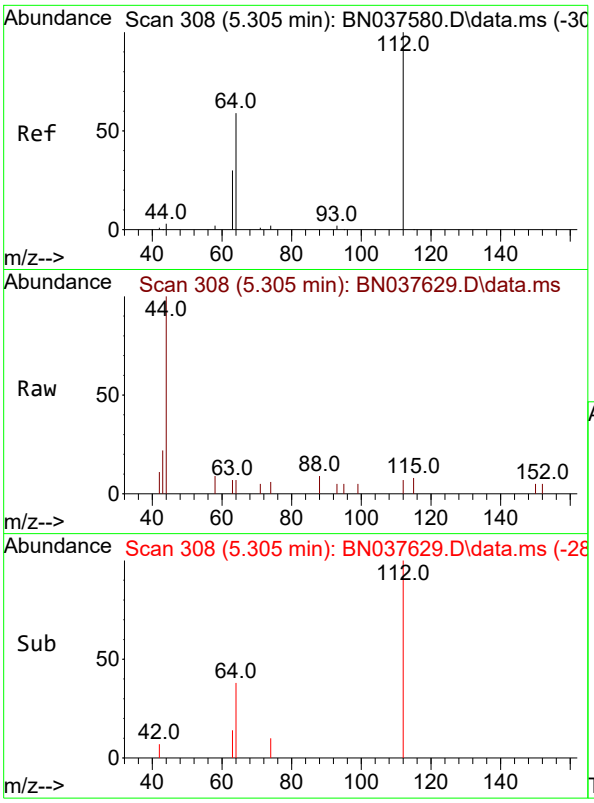


#2
1,4-Dioxane
Concen: 1.479 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Tgt Ion: 88 Resp: 3017

Ion	Ratio	Lower	Upper
88	100		
43	32.4	25.8	38.6
58	78.1	61.2	91.8



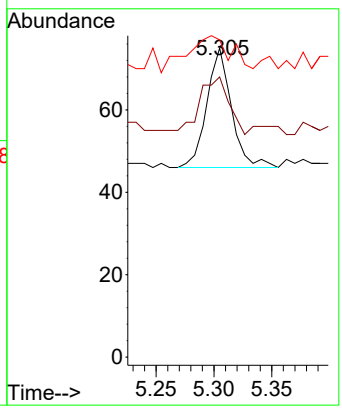


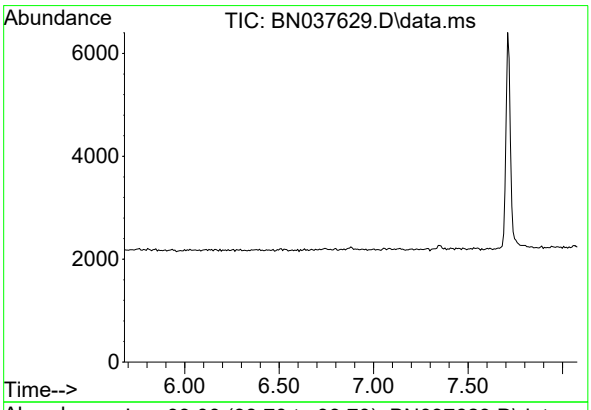
#4
2-Fluorophenol
Concen: 0.009 ng
RT: 5.305 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425DL

Tgt Ion:112 Resp: 43

Ion	Ratio	Lower	Upper
112	100		
64	58.1	44.9	67.3
63	55.8	23.4	35.2#



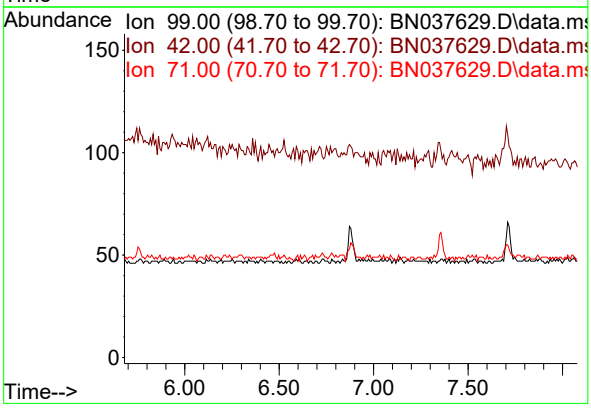


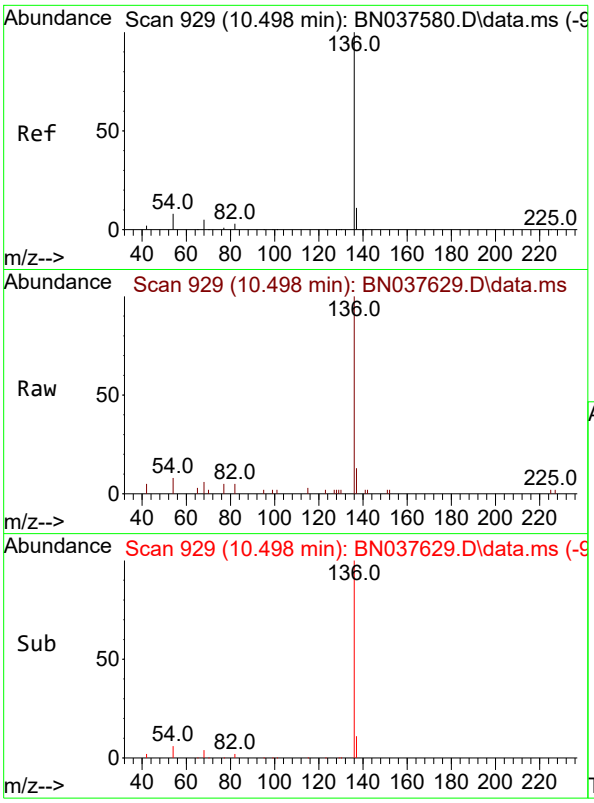
#5
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.88 min

Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	23.1
71	35.7



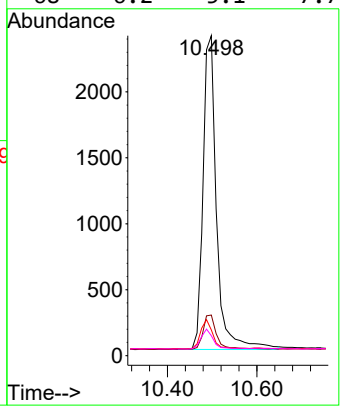


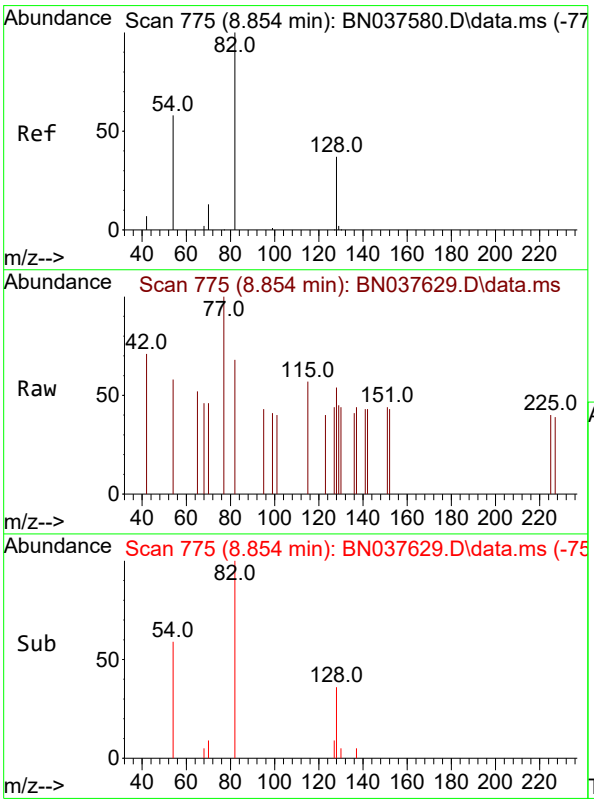
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425DL

Tgt Ion:136 Resp: 4980

Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.5	14.3
54	8.0	7.3	10.9
68	6.2	5.1	7.7

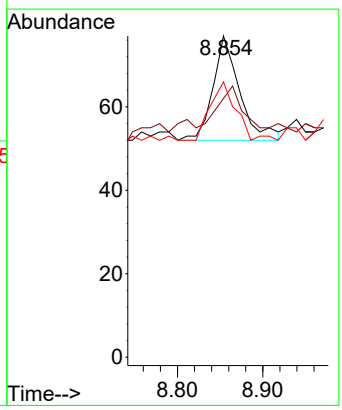


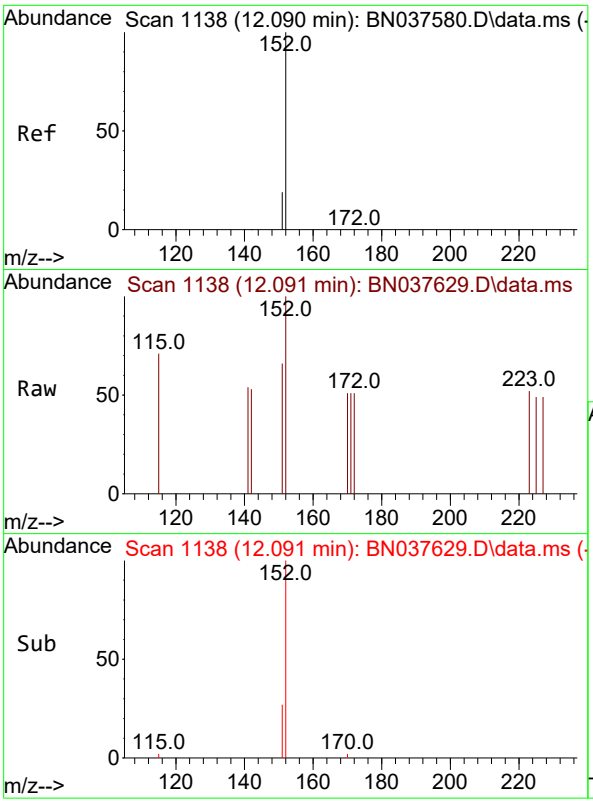


#8
Nitrobenzene-d5
Concen: 0.015 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Tgt Ion: 82 Resp: 54

Ion	Ratio	Lower	Upper
82	100		
128	80.5	32.6	48.8#
54	85.7	48.9	73.3#



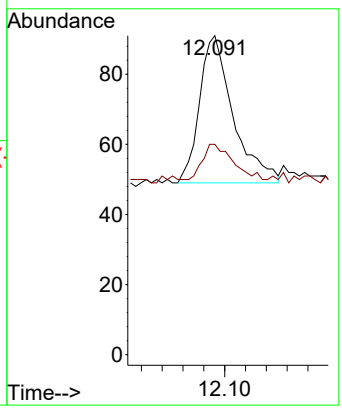


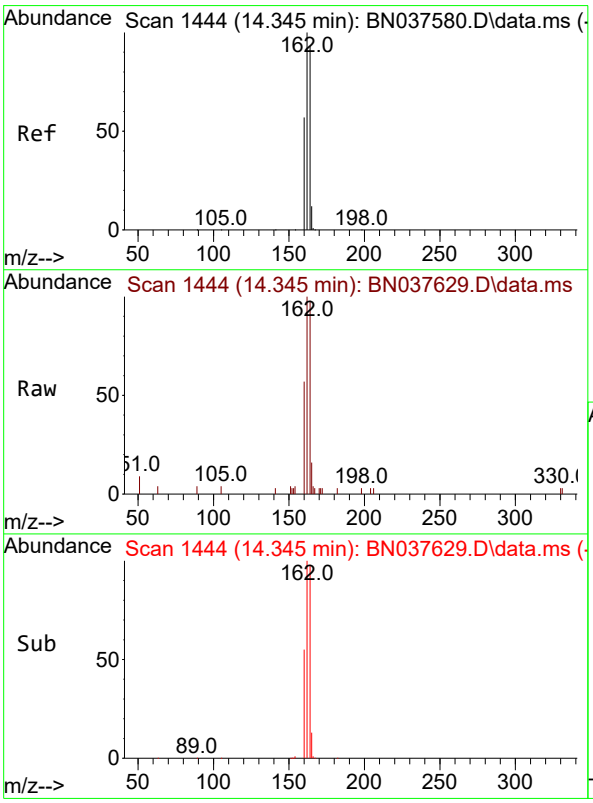
#11
2-Methylnaphthalene-d10
Concen: 0.014 ng
RT: 12.091 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425DL

Tgt Ion:152 Resp: 94

Ion	Ratio	Lower	Upper
152	100		
151	23.4	17.3	25.9

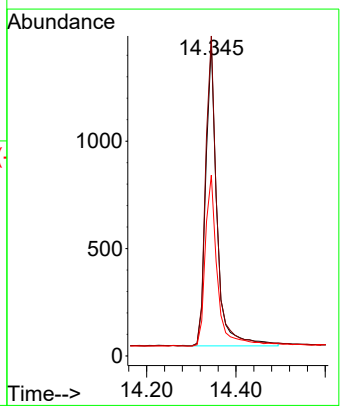


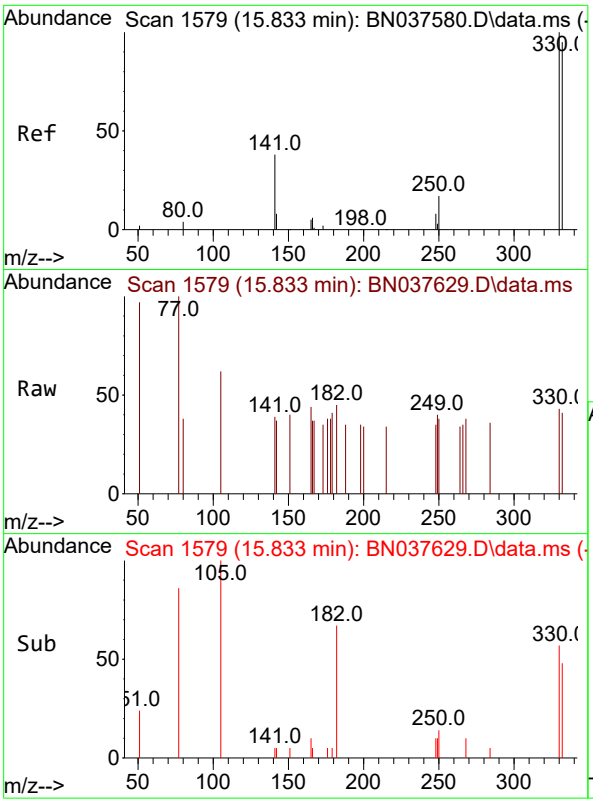


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Tgt Ion:164 Resp: 2455

Ion	Ratio	Lower	Upper
164	100		
162	102.3	85.5	128.3
160	57.8	49.5	74.3



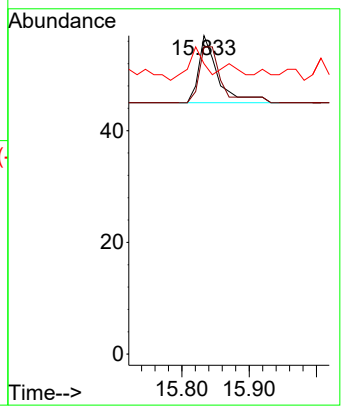


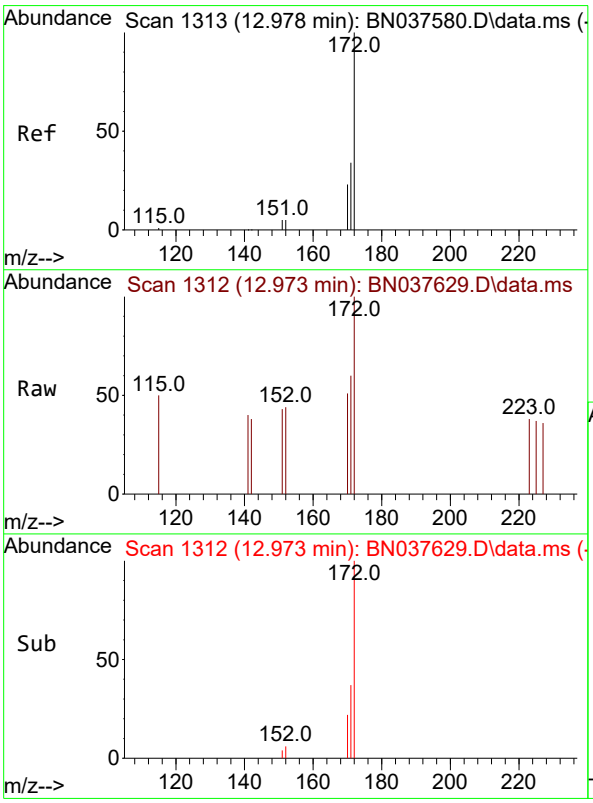
#14
2,4,6-Tribromophenol
Concen: 0.022 ng
RT: 15.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425DL

Tgt Ion:330 Resp: 24

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.4	116.0
141	41.7	30.9	46.3

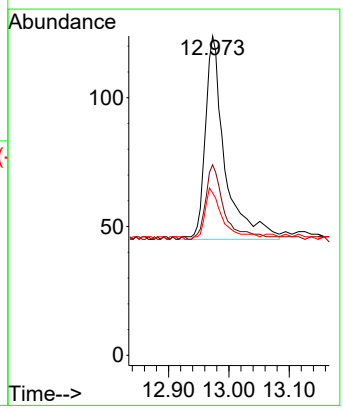


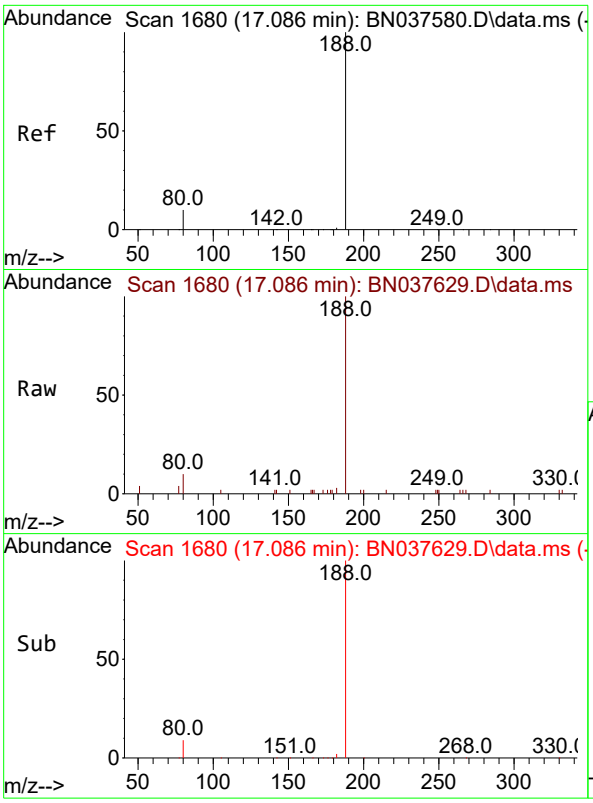


#15
2-Fluorobiphenyl
Concen: 0.015 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Tgt Ion:172 Resp: 212

Ion	Ratio	Lower	Upper
172	100		
171	59.7	28.2	42.4#
170	50.8	19.2	28.8#



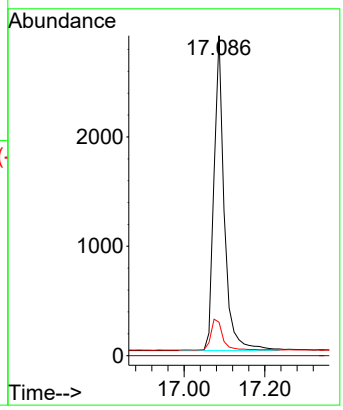


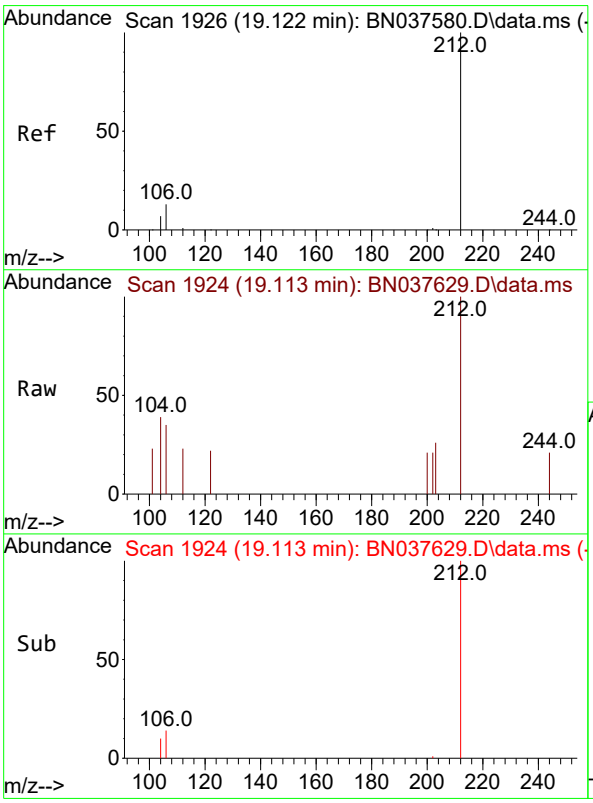
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425DL

Tgt Ion:188 Resp: 5117

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	9.1	13.7

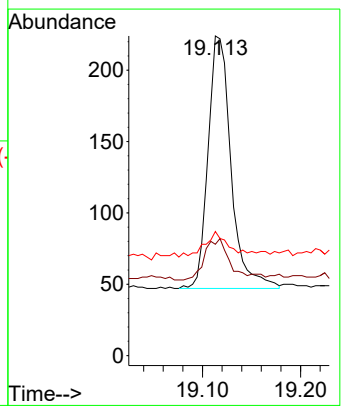


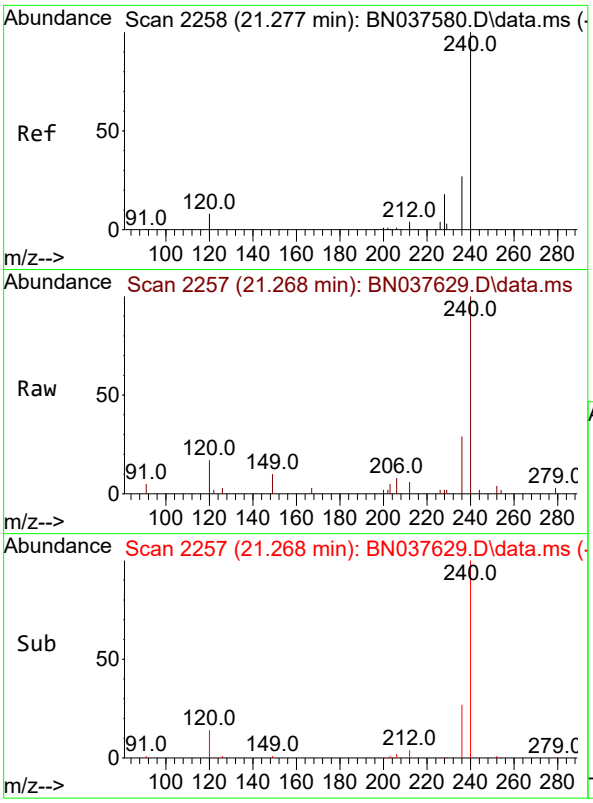


#27
Fluoranthene-d10
Concen: 0.021 ng
RT: 19.113 min Scan# 1924
Delta R.T. -0.009 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Tgt Ion:212 Resp: 288

Ion	Ratio	Lower	Upper
212	100		
106	17.0	11.5	17.3
104	9.0	6.6	9.8



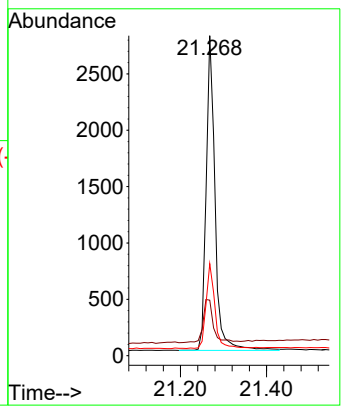


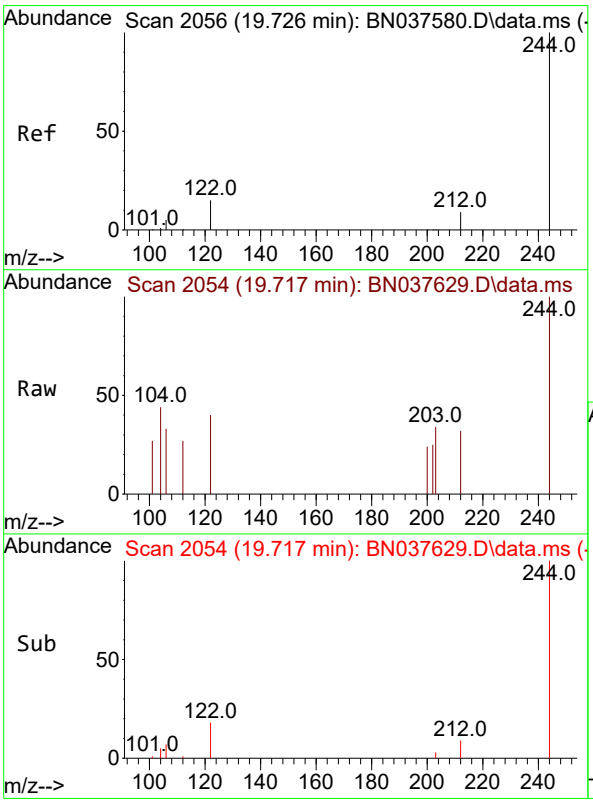
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425DL

Tgt Ion:240 Resp: 4012

Ion	Ratio	Lower	Upper
240	100		
120	17.4	8.9	13.3#
236	28.7	22.6	33.8

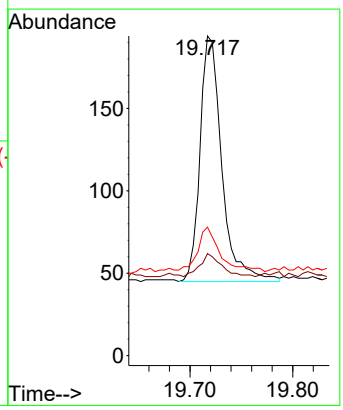


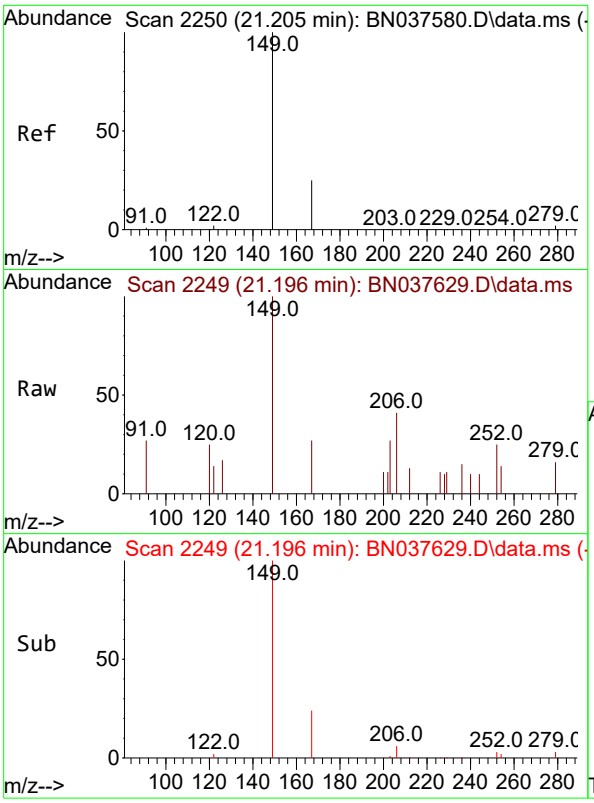


#31
Terphenyl-d14
Concen: 0.027 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Tgt Ion:244 Resp: 220

Ion	Ratio	Lower	Upper
244	100		
212	32.0	8.2	12.2#
122	40.2	13.2	19.8#



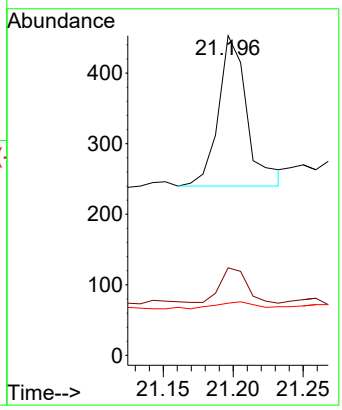


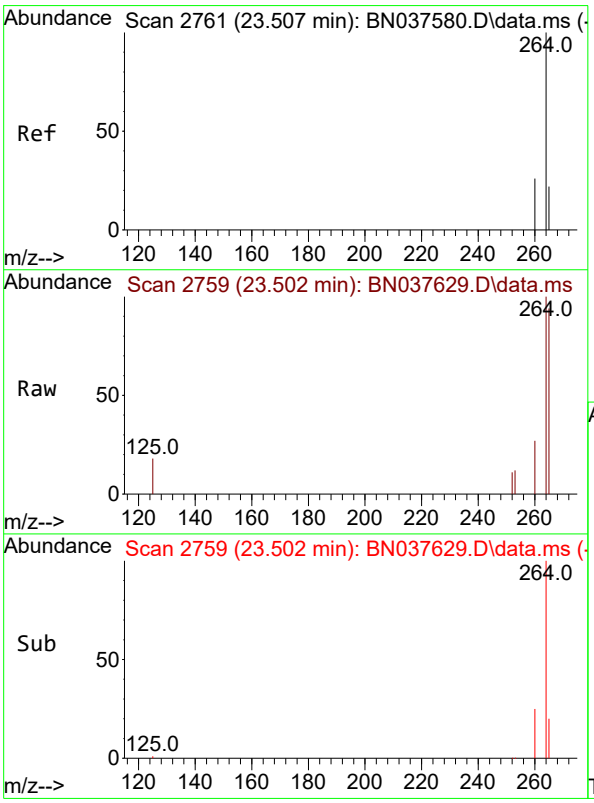
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.055 ng
RT: 21.196 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Instrument :
BNA_N
ClientSampleId :
MW-11A-37.5-081425DL

Tgt Ion:149 Resp: 304

Ion	Ratio	Lower	Upper
149	100		
167	21.7	20.5	30.7
279	6.9	2.6	4.0#

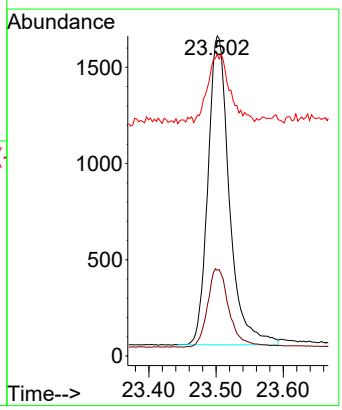




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 2759
Delta R.T. -0.006 min
Lab File: BN037629.D
Acq: 20 Aug 2025 10:49

Tgt Ion:264 Resp: 3548

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.6	32.4
265	94.3	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

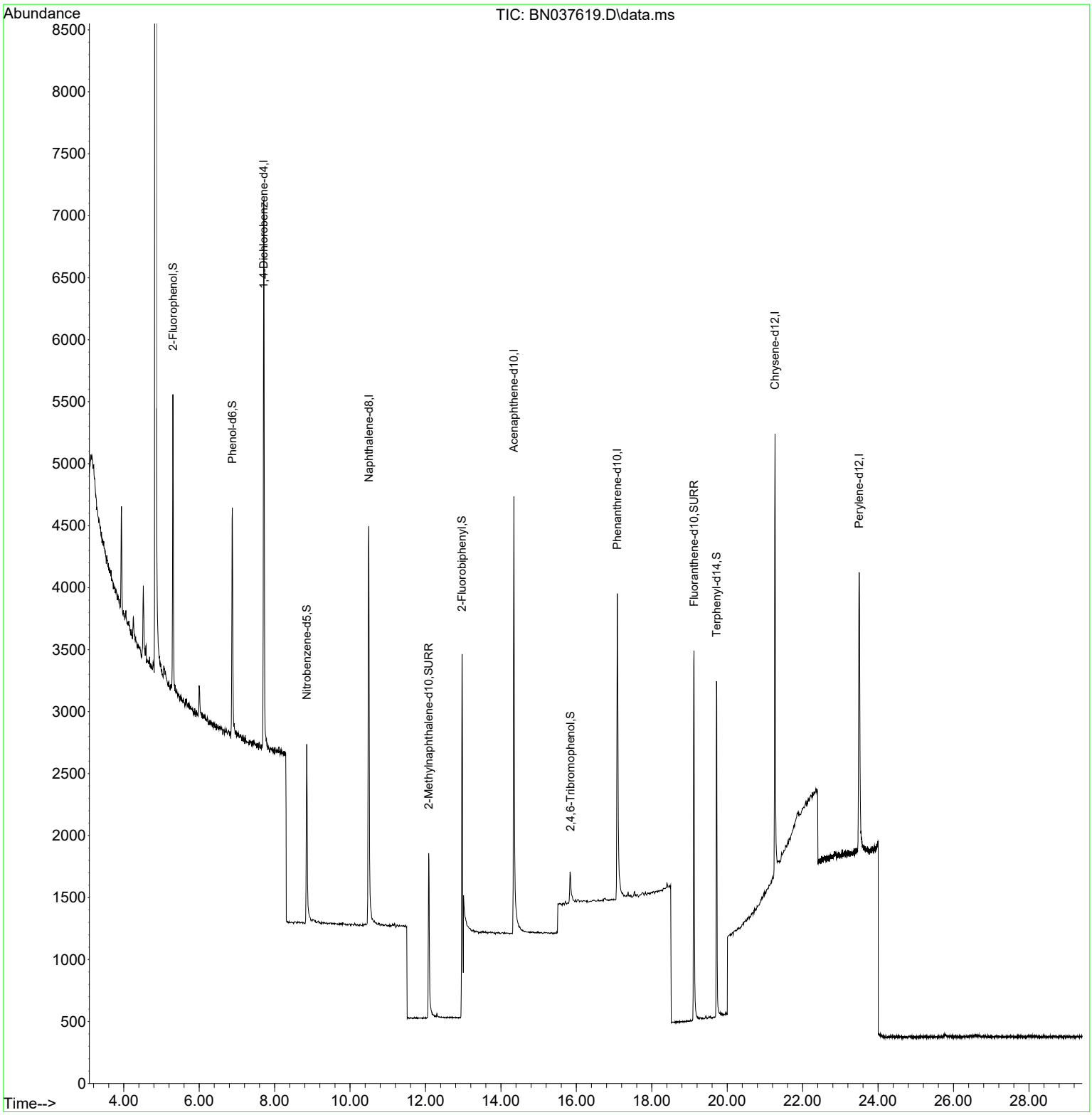
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2323	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5229	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2344	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	4466	0.400	ng	0.00
29) Chrysene-d12	21.268	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

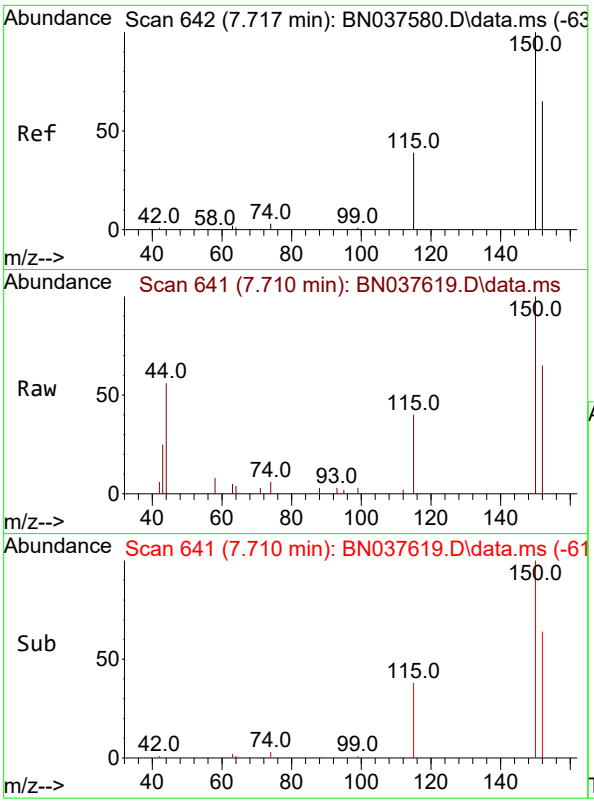
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



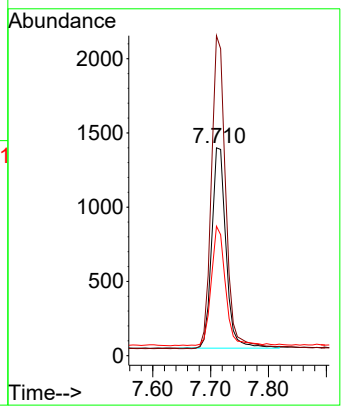


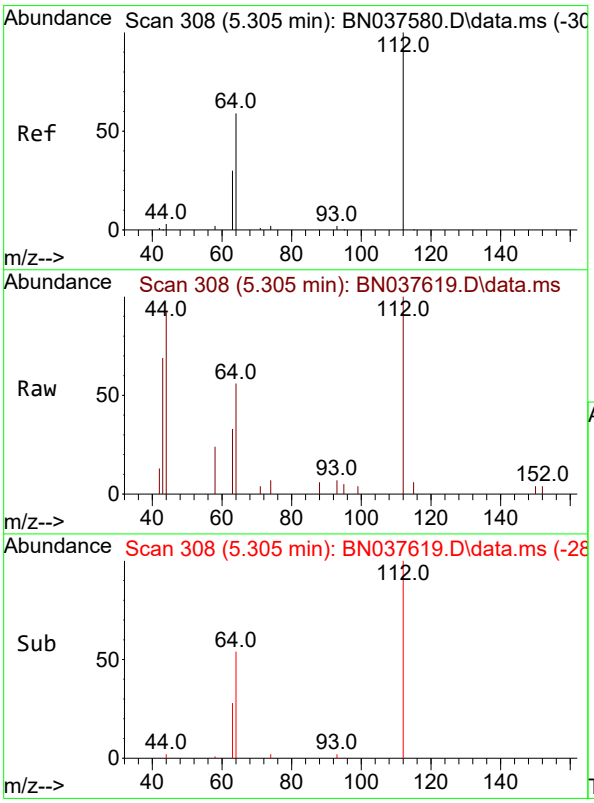
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

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

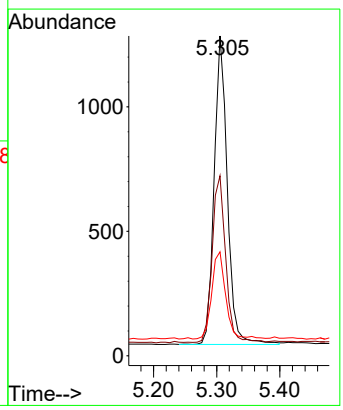


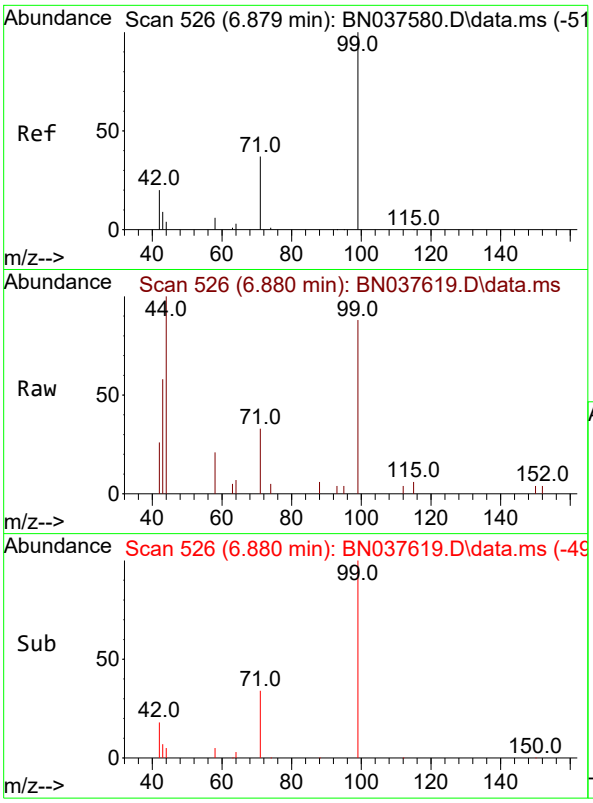


#4
2-Fluorophenol
Concen: 0.342 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

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



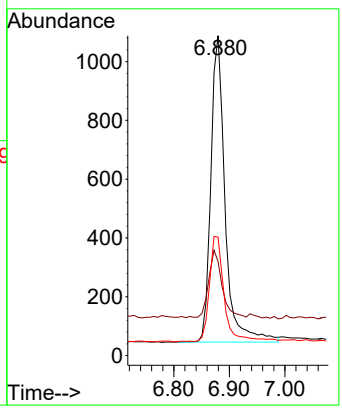


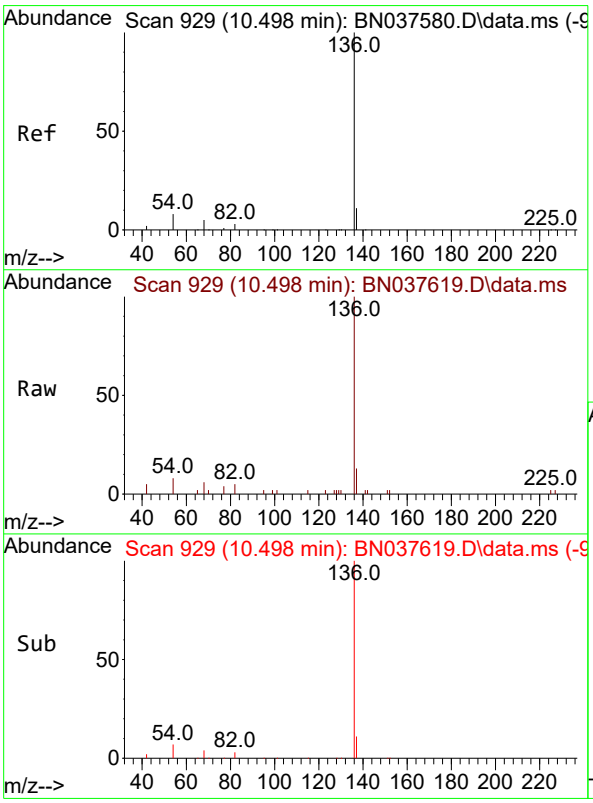
#5
Phenol-d6
Concen: 0.293 ng
RT: 6.880 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

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

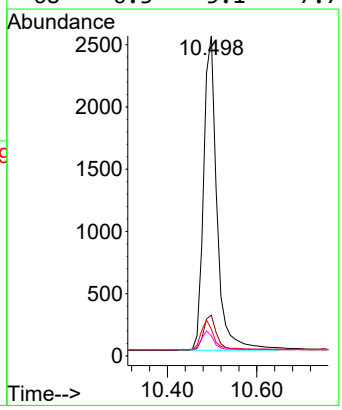


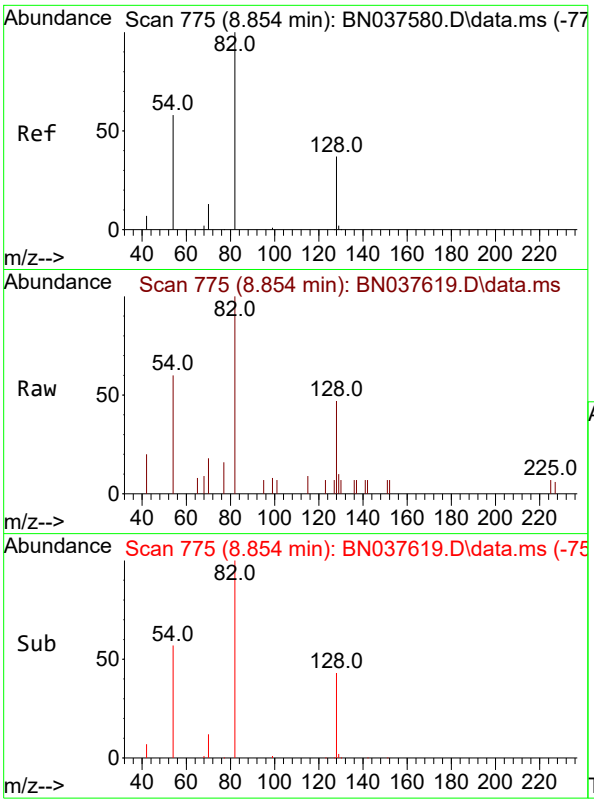


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

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



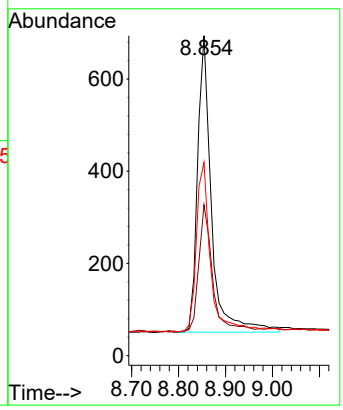


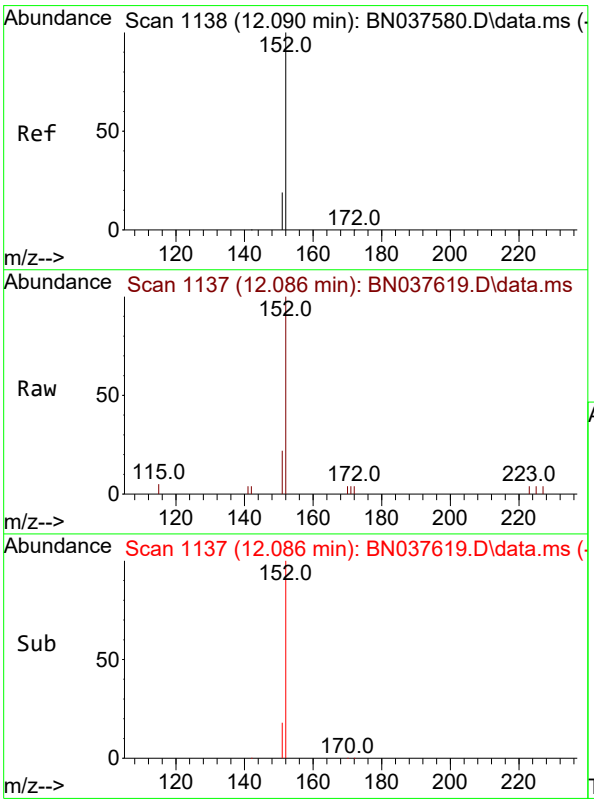
#8
Nitrobenzene-d5
Concen: 0.359 ng
RT: 8.854 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

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

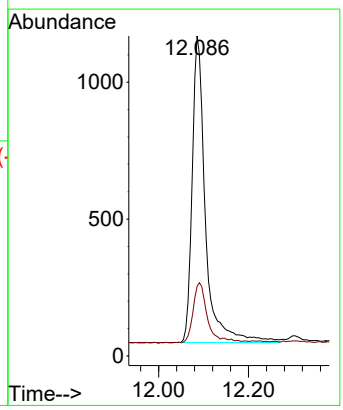


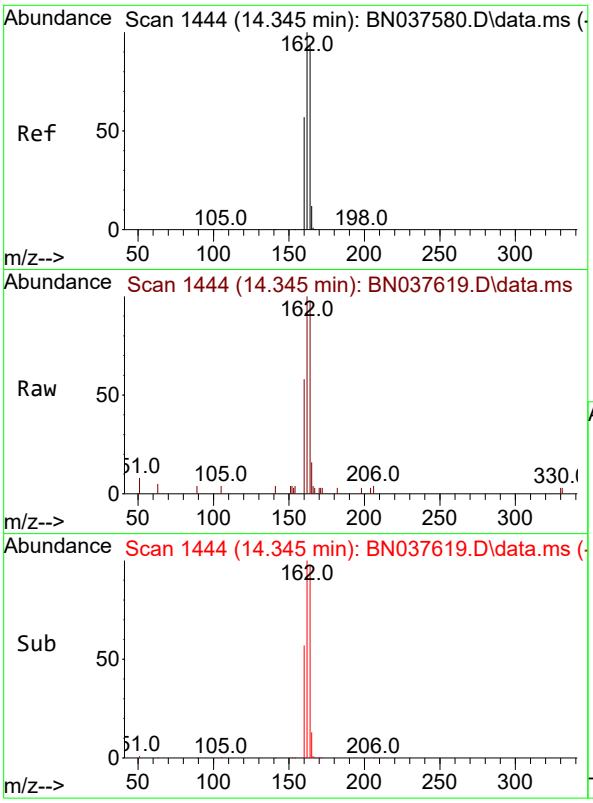


#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 12.086 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:152 Resp: 2298

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.3	25.9



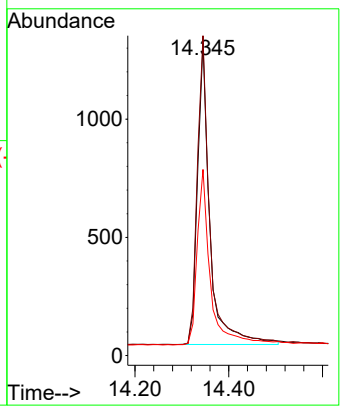


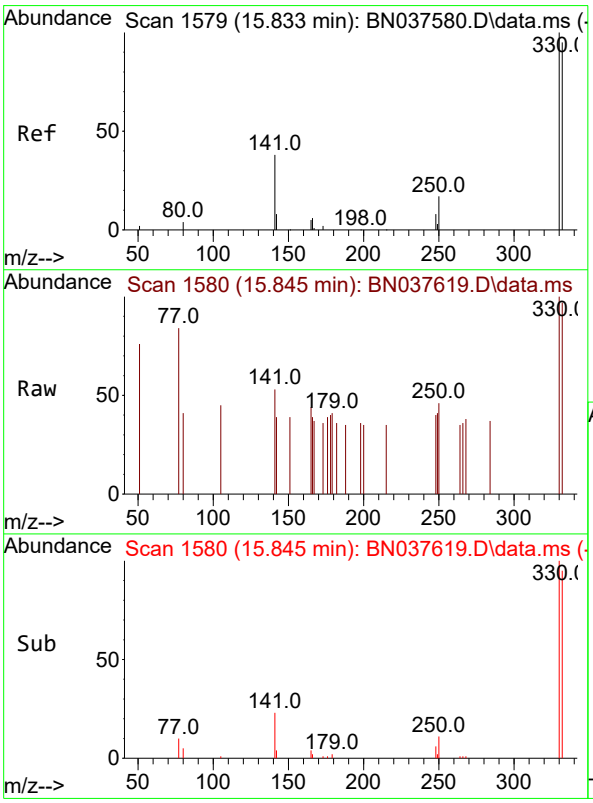
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

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

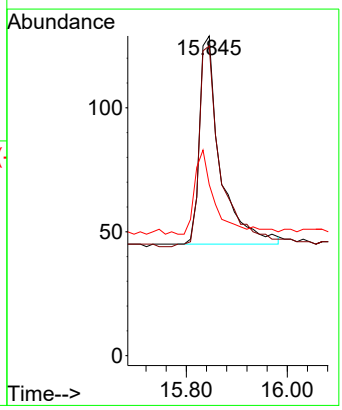


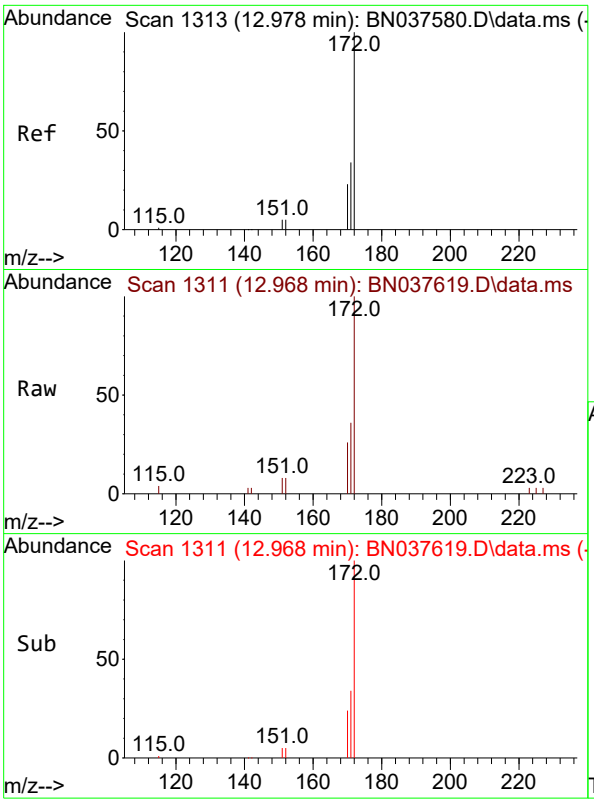


#14
2,4,6-Tribromophenol
Concen: 0.234 ng
RT: 15.845 min Scan# 1580
Delta R.T. 0.013 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

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



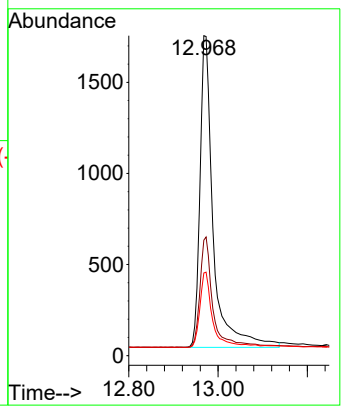


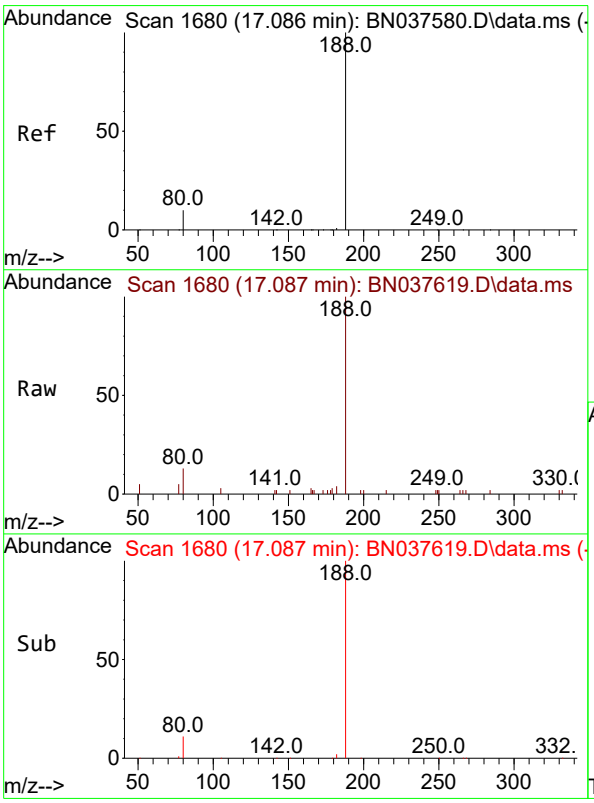
#15
2-Fluorobiphenyl
Concen: 0.346 ng
RT: 12.968 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

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

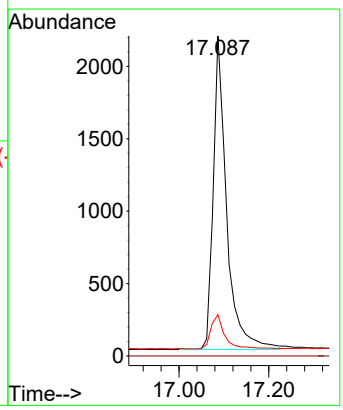


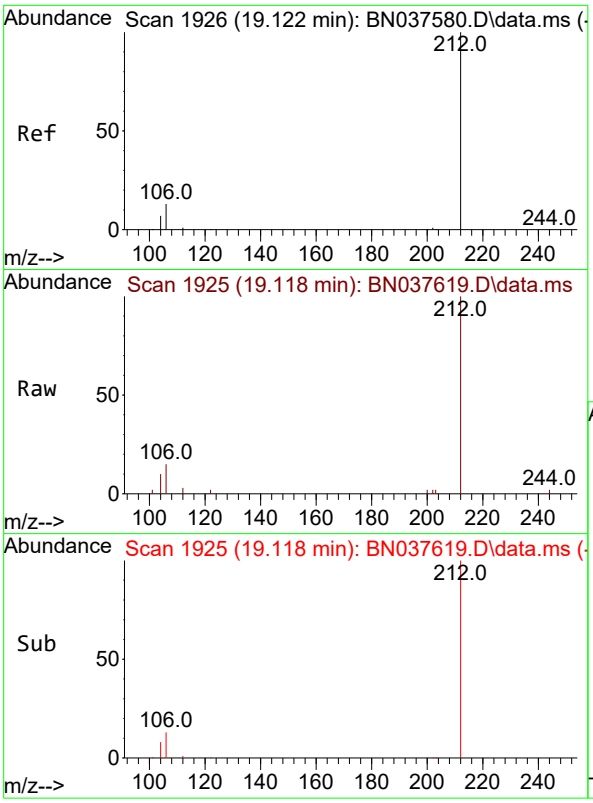


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.087 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

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



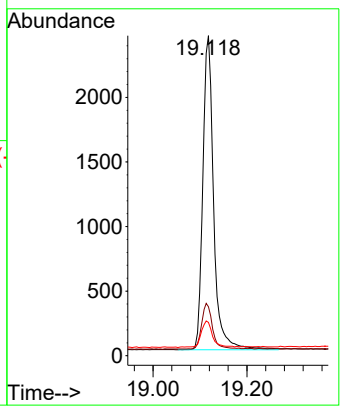


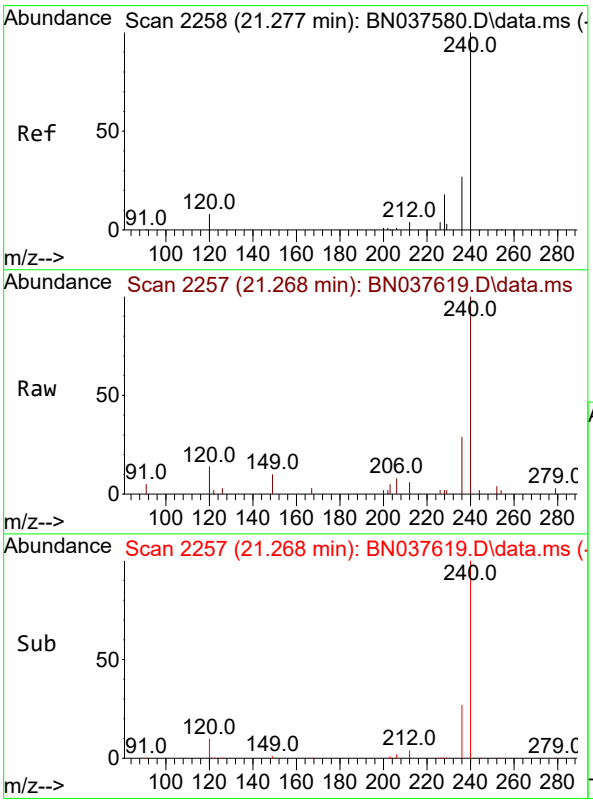
#27
Fluoranthene-d10
Concen: 0.331 ng
RT: 19.118 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

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

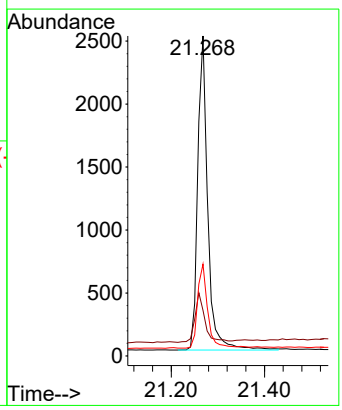


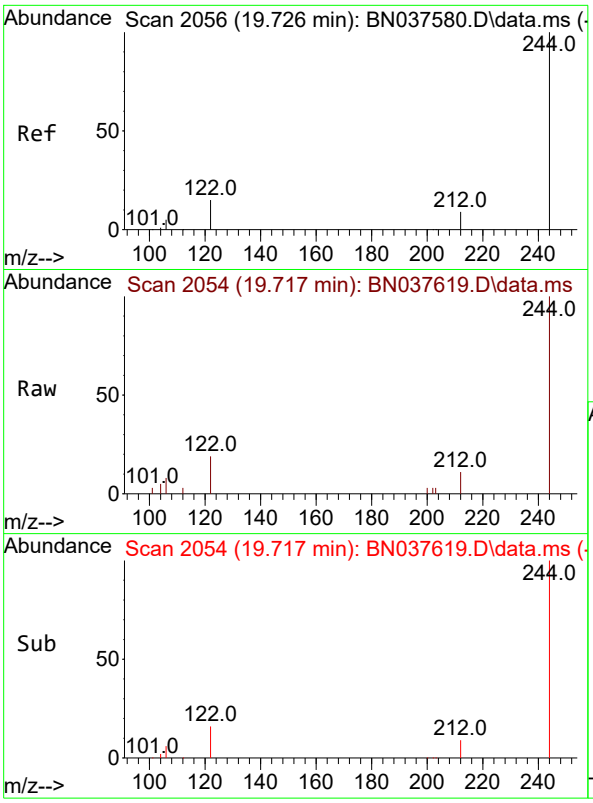


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

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



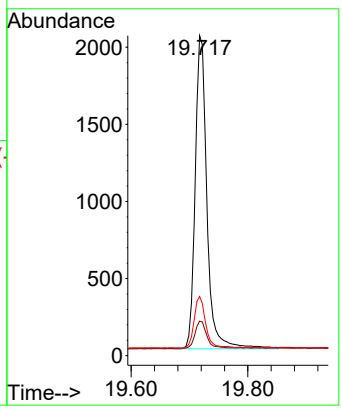


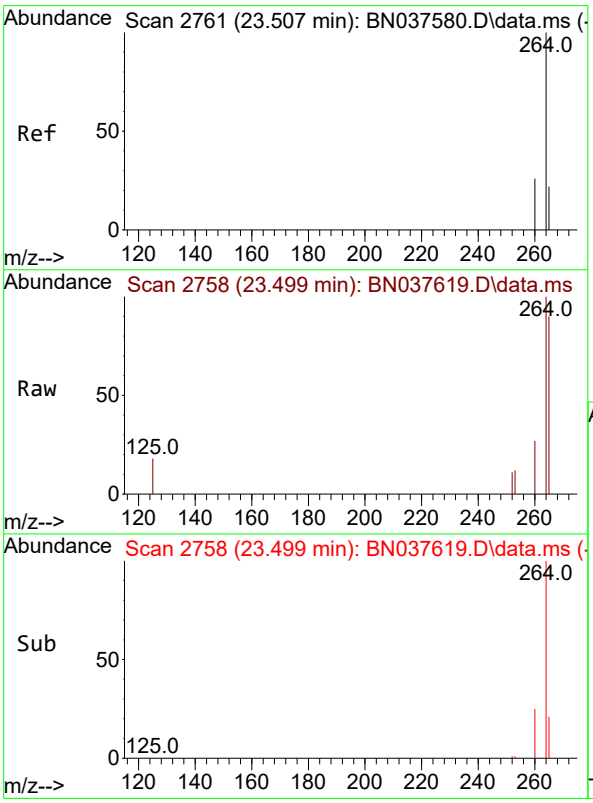
#31
Terphenyl-d14
Concen: 0.370 ng
RT: 19.717 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

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

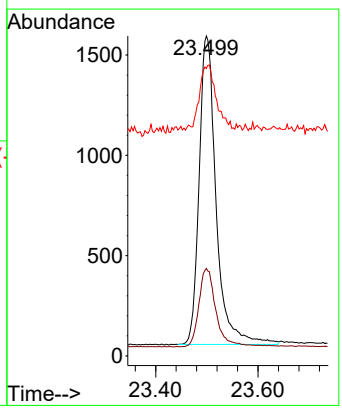




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.499 min Scan# 2758
Delta R.T. -0.008 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

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

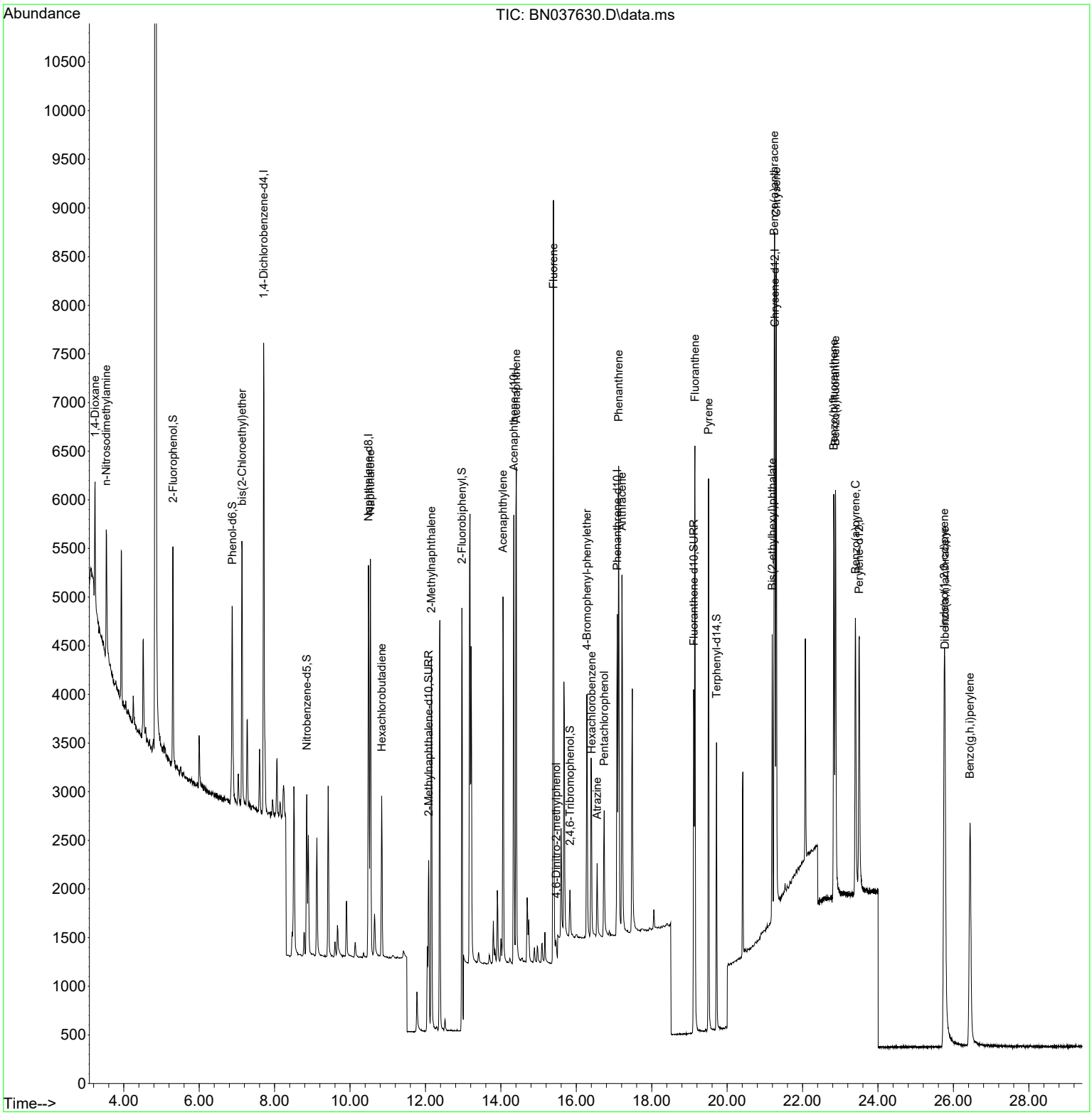
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2389	0.400	ng	0.00
7) Naphthalene-d8	10.487	136	5616	0.400	ng	-0.01
13) Acenaphthene-d10	14.345	164	2629	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5040	0.400	ng	0.00
29) Chrysene-d12	21.268	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

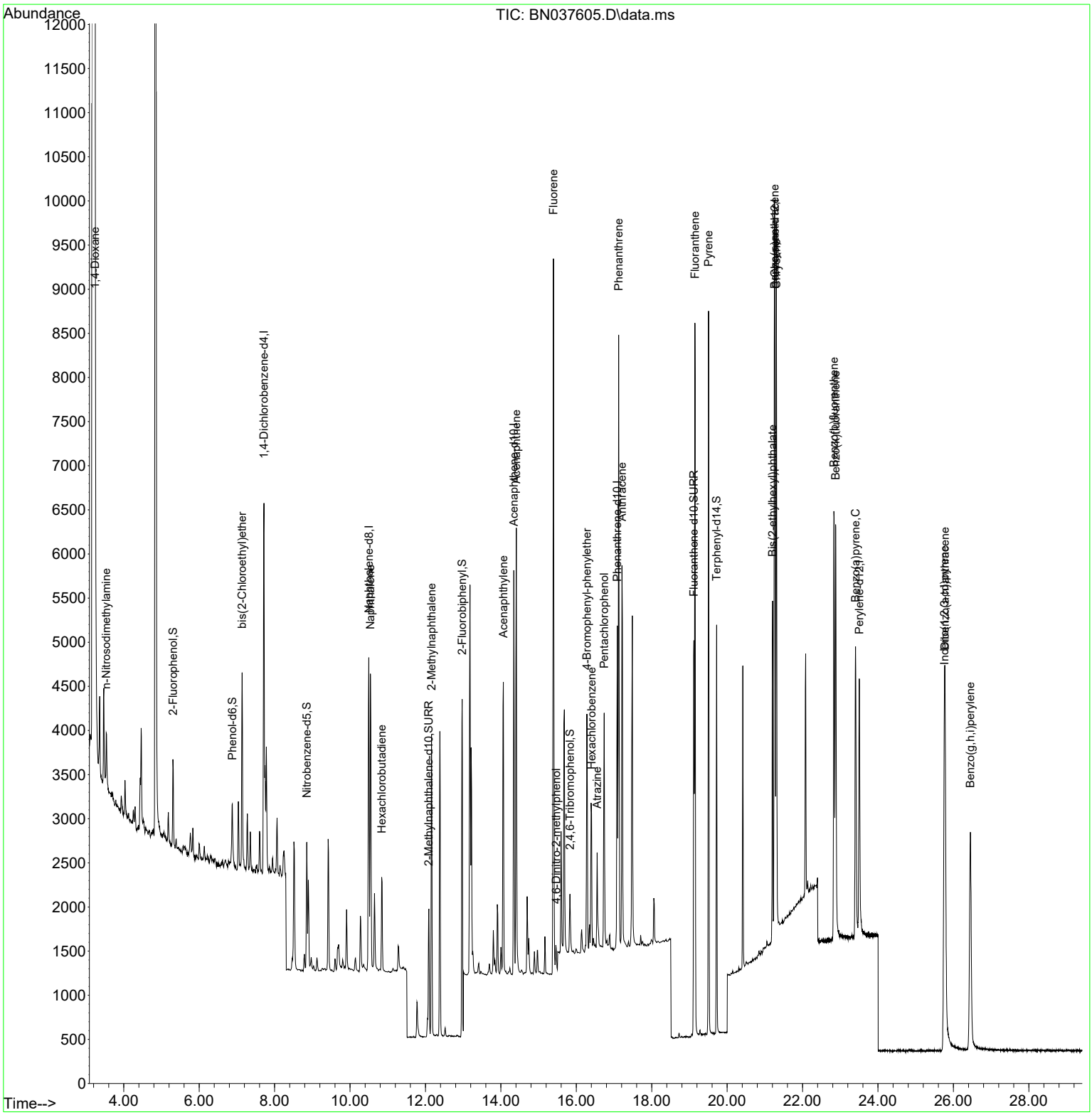
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037605.D
Acq On : 19 Aug 2025 13:40
Operator : RC/JU
Sample : Q2842-04MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

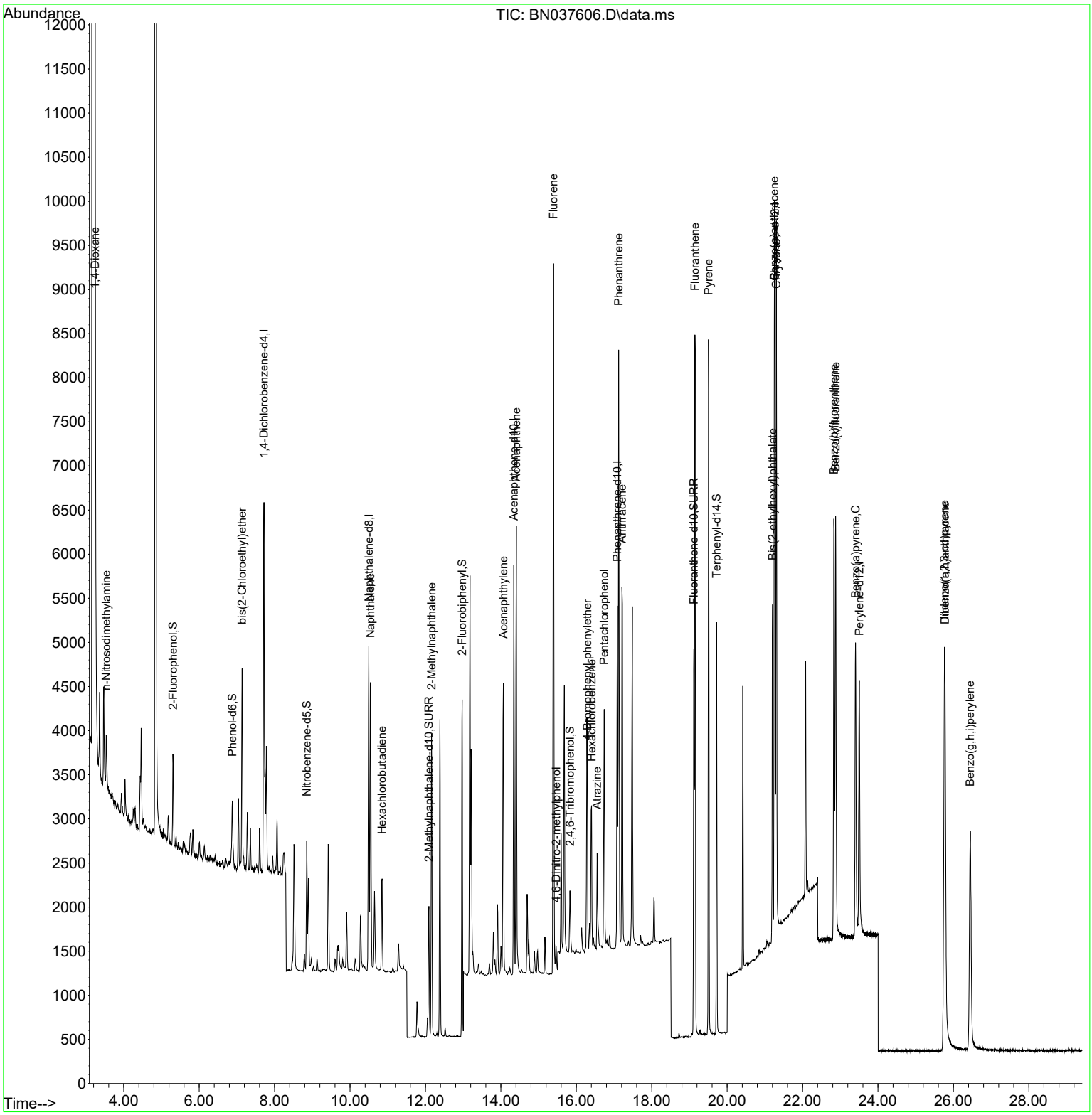
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037606.D
Acq On : 19 Aug 2025 14:17
Operator : RC/JU
Sample : Q2842-05MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

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

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	

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
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.**

Q2878 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

200 of 286

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)

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

LAB CHRONICLE

OrderID:	Q2878	**OrderDate:**	8/14/2025 3:49:00 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2878-01	**MW-18B-57.5-081325**	**Water**			**08/13/25**			**08/14/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/19/25	
Q2878-05	**MW-11A-37.5-081425**	**Water**			**08/14/25**			**08/14/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/19/25	
Q2878-05DL	**MW-11A-37.5-081425 DL**	**Water**			**08/14/25**			**08/14/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/20/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2878 **Order ID:** Q2878

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-18B-57.5-081325								
Q2878-01	MW-18B-57.5-081325	Water	Aluminum	935		1.94	20.0	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Antimony	1.69	J	0.11	2.00	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Arsenic	0.99	J	0.089	1.00	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Barium	285		0.21	10.0	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Calcium	89300		45.7	500	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Cobalt	5.72		0.070	1.00	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Iron	4590		7.81	50.0	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Magnesium	9790		19.5	500	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Manganese	534		0.43	1.00	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Nickel	11.0		0.27	1.00	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Potassium	20700		36.4	500	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Sodium	22100		128	500	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Thallium	0.080	J	0.060	1.00	ug/L
Q2878-01	MW-18B-57.5-081325	Water	Vanadium	1.78	J	0.077	5.00	ug/L
Client ID : MW-18B-57.5-081325								
Q2878-02	MW-18B-57.5-081325	Water	Iron	510		7.81	50.0	ug/L

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:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-18B-57.5-081325	SDG No.:	Q2878
Lab Sample ID:	Q2878-01	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	935		1	1.94	20.0	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-36-0	Antimony	1.69	J	1	0.11	2.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-38-2	Arsenic	0.99	J	1	0.089	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-39-3	Barium	285		1	0.21	10.0	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-70-2	Calcium	89300	N	1	45.7	500	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-47-3	Chromium	0.21	U	1	0.21	2.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-48-4	Cobalt	5.72		1	0.070	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-50-8	Copper	0.30	U	1	0.30	2.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7439-89-6	Iron	4590		1	7.81	50.0	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7439-92-1	Lead	0.21	U	1	0.21	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7439-95-4	Magnesium	9790		1	19.5	500	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7439-96-5	Manganese	534		1	0.43	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	08/20/25 13:50	08/21/25 09:43	7470A	
7440-02-0	Nickel	11.0		1	0.27	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-09-7	Potassium	20700	N	1	36.4	500	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-22-4	Silver	0.060	UN	1	0.060	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-23-5	Sodium	22100		1	128	500	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-28-0	Thallium	0.080	J	1	0.060	1.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-62-2	Vanadium	1.78	J	1	0.077	5.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A
7440-66-6	Zinc	1.25	U	1	1.25	5.00	ug/L	08/20/25 14:05	08/21/25 13:58	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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:	08/14/25
Client Sample ID:	MW-18B-57.5-081325	SDG No.:	Q2878
Lab Sample ID:	Q2878-02	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	510		1	7.81	50.0	ug/L	08/20/25 14:05	08/21/25 14:39	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

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.:** Q2878

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

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.:** Q2878

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

Alliance TECHNICAL GROUP
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.:** Q2878

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

Alliance TECHNICAL GROUP
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.:** Q2878

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

Alliance TECHNICAL GROUP
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.:** Q2878

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

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.:** Q2878

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

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169323BL		**WATER**		**Batch Number:**	**PB169323**		**Prep Date:**	**08/20/2025**	
	Aluminum	1.94	<10	U	20.0	P	08/21/2025	13:52	LB136916
	Antimony	0.15	<1	J	2.00	P	08/21/2025	13:52	LB136916
	Arsenic	0.089	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Barium	0.21	<5	U	10.0	P	08/21/2025	13:52	LB136916
	Beryllium	0.32	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Cadmium	0.34	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Calcium	45.7	<250	U	500	P	08/21/2025	13:52	LB136916
	Chromium	0.21	<1	U	2.00	P	08/21/2025	13:52	LB136916
	Cobalt	0.070	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Copper	0.30	<1	U	2.00	P	08/21/2025	13:52	LB136916
	Iron	7.81	<25	U	50.0	P	08/21/2025	13:52	LB136916
	Lead	0.21	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Magnesium	19.5	<250	U	500	P	08/21/2025	13:52	LB136916
	Manganese	0.43	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Nickel	0.27	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Potassium	36.4	<250	U	500	P	08/21/2025	13:52	LB136916
	Selenium	2.90	<2.5	U	5.00	P	08/21/2025	13:52	LB136916
	Silver	0.060	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Sodium	128	<250	U	500	P	08/21/2025	13:52	LB136916
	Thallium	0.060	<0.5	U	1.00	P	08/21/2025	13:52	LB136916
	Vanadium	0.077	<2.5	U	5.00	P	08/21/2025	13:52	LB136916
	Zinc	1.25	<2.5	U	5.00	P	08/21/2025	13:52	LB136916

METAL CALIBRATION DATA

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2878
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

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

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

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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

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

Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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
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
	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

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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	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
	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

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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	20.0	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

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2878

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

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2878

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

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2878

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2878-01 **client id:** MW-18B-57.5-081325MS

Percent Solids for Sample: NA **Spiked ID:** Q2878-01MS **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	9190		935		10000	83		P
Antimony	ug/L	75 - 125	469		1.69	J	500	94		P
Arsenic	ug/L	75 - 125	459		0.99	J	500	92		P
Barium	ug/L	75 - 125	2380		285		2500	84		P
Beryllium	ug/L	75 - 125	460		1.00	U	500	92		P
Cadmium	ug/L	75 - 125	463		1.00	U	500	93		P
Calcium	ug/L	75 - 125	125000		89300		50000	71	N	P
Chromium	ug/L	75 - 125	438		2.00	U	500	88		P
Cobalt	ug/L	75 - 125	466		5.72		500	92		P
Copper	ug/L	75 - 125	4170		2.00	U	5000	83		P
Iron	ug/L	75 - 125	24600		4590		25000	80		P
Lead	ug/L	75 - 125	2290		1.00	U	2500	92		P
Magnesium	ug/L	75 - 125	55400		9790		50000	91		P
Manganese	ug/L	75 - 125	4700		534		5000	83		P
Nickel	ug/L	75 - 125	456		11.0		500	89		P
Potassium	ug/L	75 - 125	39100		20700		25000	74	N	P
Selenium	ug/L	75 - 125	459		5.00	U	500	92		P
Silver	ug/L	75 - 125	76.7		1.00	U	500	15	N	P
Sodium	ug/L	75 - 125	66800		22100		50000	89		P
Thallium	ug/L	75 - 125	451		0.080	J	500	90		P
Vanadium	ug/L	75 - 125	462		1.78	J	500	92		P
Zinc	ug/L	75 - 125	4210		5.00	U	5000	84		P

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2878

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2878-01 **client id:** MW-18B-57.5-081325MSD

Percent Solids for Sample: NA **Spiked ID:** Q2878-01MSD **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	9170		935		10000	82		P
Antimony	ug/L	75 - 125	473		1.69	J	500	94		P
Arsenic	ug/L	75 - 125	459		0.99	J	500	92		P
Barium	ug/L	75 - 125	2390		285		2500	84		P
Beryllium	ug/L	75 - 125	457		1.00	U	500	91		P
Cadmium	ug/L	75 - 125	470		1.00	U	500	94		P
Calcium	ug/L	75 - 125	129000		89300		50000	80		P
Chromium	ug/L	75 - 125	449		2.00	U	500	90		P
Cobalt	ug/L	75 - 125	469		5.72		500	93		P
Copper	ug/L	75 - 125	4240		2.00	U	5000	85		P
Iron	ug/L	75 - 125	25200		4590		25000	83		P
Lead	ug/L	75 - 125	2260		1.00	U	2500	90		P
Magnesium	ug/L	75 - 125	56200		9790		50000	93		P
Manganese	ug/L	75 - 125	4690		534		5000	83		P
Nickel	ug/L	75 - 125	470		11.0		500	92		P
Potassium	ug/L	75 - 125	41000		20700		25000	81		P
Selenium	ug/L	75 - 125	465		5.00	U	500	93		P
Silver	ug/L	75 - 125	78.0		1.00	U	500	16	N	P
Sodium	ug/L	75 - 125	68400		22100		50000	93		P
Thallium	ug/L	75 - 125	449		0.080	J	500	90		P
Vanadium	ug/L	75 - 125	470		1.78	J	500	94		P
Zinc	ug/L	75 - 125	4270		5.00	U	5000	85		P

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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** MW-18B-57.5-081325A

Sample ID: Q2878-01 **Spiked ID:** Q2878-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Calcium	ug/L	75 - 125	127000		89300		50000	76		P
Potassium	ug/L	75 - 125	41000		20700		25000	81		P
Silver	ug/L	75 - 125	77.9		1.00	U	500	16	N	P

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2878

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"

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2878

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"

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

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2878

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2878-01 **Client ID:** MW-18B-57.5-081325DUP

Percent Solids for Sample: NA **Duplicate ID** Q2878-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	935		927		1		P
Antimony	ug/L	20	1.69	J	1.57	J	7		P
Arsenic	ug/L	20	0.99	J	1.02		3		P
Barium	ug/L	20	285		279		2		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	89300		88000		1		P
Chromium	ug/L	20	2.00	U	2.00	U			P
Cobalt	ug/L	20	5.72		5.64		1		P
Copper	ug/L	20	2.00	U	2.00	U			P
Iron	ug/L	20	4590		4540		1		P
Lead	ug/L	20	1.00	U	1.00	U			P
Magnesium	ug/L	20	9790		9800		0		P
Manganese	ug/L	20	534		535		0		P
Nickel	ug/L	20	11.0		11.0		0		P
Potassium	ug/L	20	20700		20400		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	22100		22300		1		P
Thallium	ug/L	20	0.080	J	1.00	U	200.0		P
Vanadium	ug/L	20	1.78	J	1.76	J	1		P
Zinc	ug/L	20	5.00	U	5.00	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2878

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2878-01MS **Client ID:** MW-18B-57.5-081325MSD

Percent Solids for Sample: NA **Duplicate ID** Q2878-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	9190		9170		0		P
Antimony	ug/L	20	469		473		1		P
Arsenic	ug/L	20	459		459		0		P
Barium	ug/L	20	2380		2390		0		P
Beryllium	ug/L	20	460		457		1		P
Cadmium	ug/L	20	463		470		2		P
Calcium	ug/L	20	125000		129000		3		P
Chromium	ug/L	20	438		449		2		P
Cobalt	ug/L	20	466		469		1		P
Copper	ug/L	20	4170		4240		2		P
Iron	ug/L	20	24600		25200		2		P
Lead	ug/L	20	2290		2260		1		P
Magnesium	ug/L	20	55400		56200		1		P
Manganese	ug/L	20	4700		4690		0		P
Nickel	ug/L	20	456		470		3		P
Potassium	ug/L	20	39100		41000		5		P
Selenium	ug/L	20	459		465		1		P
Silver	ug/L	20	76.7		78.0		2		P
Sodium	ug/L	20	66800		68400		2		P
Thallium	ug/L	20	451		449		0		P
Vanadium	ug/L	20	462		470		2		P
Zinc	ug/L	20	4210		4270		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

Contract: JACO05 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169323BS							
Aluminum	ug/L	10000	10100		101	80 - 120	P
Antimony	ug/L	500	507		101	80 - 120	P
Arsenic	ug/L	500	500		100	80 - 120	P
Barium	ug/L	2500	2540		102	80 - 120	P
Beryllium	ug/L	500	494		99	80 - 120	P
Cadmium	ug/L	500	508		102	80 - 120	P
Calcium	ug/L	50000	50300		101	80 - 120	P
Chromium	ug/L	500	491		98	80 - 120	P
Cobalt	ug/L	500	500		100	80 - 120	P
Copper	ug/L	5000	4980		100	80 - 120	P
Iron	ug/L	25000	25800		103	80 - 120	P
Lead	ug/L	2500	2440		98	80 - 120	P
Magnesium	ug/L	50000	50600		101	80 - 120	P
Manganese	ug/L	5000	4930		99	80 - 120	P
Nickel	ug/L	500	495		99	80 - 120	P
Potassium	ug/L	25000	25600		102	80 - 120	P
Selenium	ug/L	500	503		101	80 - 120	P
Silver	ug/L	500	514		103	80 - 120	P
Sodium	ug/L	50000	51700		103	80 - 120	P
Thallium	ug/L	500	487		97	80 - 120	P
Vanadium	ug/L	500	493		99	80 - 120	P
Zinc	ug/L	5000	5020		100	80 - 120	P

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

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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

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

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2878

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	
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1350										
PB169323BL	PB169323BL	1352	99		96		98		96		96	
PB169323BS	PB169323BS	1356	105		102		104		101		103	
Q2878-01	MW-18B-57.5	1358	119		119		119		116		117	
Q2878-01DUP	MW-18B-57.5	1402	121		120		123		118		121	
Q2878-01L	MW-18B-57.5	1405	106		107		107		105		105	
Q2878-01MS	MW-18B-57.5	1408	122		124		125		118		121	
Q2878-01MSD	MW-18B-57.5	1411	121		122		124		119		120	
Q2878-01A	MW-18B-57.5	1414	121		123		125		119		121	
CCV03	CCV03	1432	103		107		107		99		105	
CCB03	CCB03	1434	100		99		100		98		99	
Q2878-02	MW-18B-57.5	1439	112		115		115		112		111	
ZZZZZZ	ZZZZZZ	1442										
ZZZZZZ	ZZZZZZ	1445										
ZZZZZZ	ZZZZZZ	1448										
ZZZZZZ	ZZZZZZ	1451										
ZZZZZZ	ZZZZZZ	1506										

Internal Standard %RI Limit: 70 - 130

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

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2878

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
ZZZZZZ	ZZZZZZ	1509										
CCV04	CCV04	1512	116		116		114		107		111	
CCB04	CCB04	1518	106		103		104		101		100	

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 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2878

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	
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1350										
PB169323BL	PB169323BL	1352	98		98		100		98		101	
PB169323BS	PB169323BS	1356	104		104		103		106		107	
Q2878-01	MW-18B-57.5	1358	118		119		117		116		123	
Q2878-01DUP	MW-18B-57.5	1402	121		122		118		118		123	
Q2878-01L	MW-18B-57.5	1405	106		107		105		105		108	
Q2878-01MS	MW-18B-57.5	1408	124		122		120		120		125	
Q2878-01MSD	MW-18B-57.5	1411	122		123		118		118		124	
Q2878-01A	MW-18B-57.5	1414	122		123		119		121		123	
CCV03	CCV03	1432	106		104		99		103		107	
CCB03	CCB03	1434	100		101		99		100		105	
Q2878-02	MW-18B-57.5	1439	114		116		112		113		116	
ZZZZZZ	ZZZZZZ	1442										
ZZZZZZ	ZZZZZZ	1445										
ZZZZZZ	ZZZZZZ	1448										
ZZZZZZ	ZZZZZZ	1451										
ZZZZZZ	ZZZZZZ	1506										

Internal Standard %RI Limit: 70 - 130

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

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2878

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
ZZZZZZ	ZZZZZZ	1509										
CCV04	CCV04	1512	114		112		106		112		114	
CCB04	CCB04	1518	103		102		101		102		106	

Internal Standard %RI Limit: 70 - 130

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.: Q2878

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							
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1350										
PB169323BL	PB169323BL	1352	97		96							
PB169323BS	PB169323BS	1356	105		104							
Q2878-01	MW-18B-57.5-	1358	119		117							
Q2878-01DUP	MW-18B-57.5-	1402	122		118							
Q2878-01L	MW-18B-57.5-	1405	107		103							
Q2878-01MS	MW-18B-57.5-	1408	124		119							
Q2878-01MSD	MW-18B-57.5-	1411	124		118							
Q2878-01A	MW-18B-57.5-	1414	125		121							
CCV03	CCV03	1432	109		100							
CCB03	CCB03	1434	100		99							
Q2878-02	MW-18B-57.5-	1439	112		109							
ZZZZZZ	ZZZZZZ	1442										
ZZZZZZ	ZZZZZZ	1445										
ZZZZZZ	ZZZZZZ	1448										

Internal Standard %RI Limit: 70 -130

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.: Q2878

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
ZZZZZZ	ZZZZZZ	1451										
ZZZZZZ	ZZZZZZ	1506										
ZZZZZZ	ZZZZZZ	1509										
CCV04	CCV04	1512	113		105							
CCB04	CCB04	1518	103		102							

Internal Standard %RI Limit: 70 -130

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.: Q2878

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									
ZZZZZZ	ZZZZZZ	1346										
ZZZZZZ	ZZZZZZ	1350										
PB169323BL	PB169323BL	1352	98									
PB169323BS	PB169323BS	1356	104									
Q2878-01	MW-18B-57.5-	1358	115									
Q2878-01DUP	MW-18B-57.5-	1402	116									
Q2878-01L	MW-18B-57.5-	1405	104									
Q2878-01MS	MW-18B-57.5-	1408	116									
Q2878-01MSD	MW-18B-57.5-	1411	116									
Q2878-01A	MW-18B-57.5-	1414	116									
CCV03	CCV03	1432	97									
CCB03	CCB03	1434	99									
Q2878-02	MW-18B-57.5-	1439	110									
ZZZZZZ	ZZZZZZ	1442										
ZZZZZZ	ZZZZZZ	1445										
ZZZZZZ	ZZZZZZ	1448										

Internal Standard %RI Limit: 70 -130

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.: Q2878
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
ZZZZZZ	ZZZZZZ	1451										
ZZZZZZ	ZZZZZZ	1506										
ZZZZZZ	ZZZZZZ	1509										
CCV04	CCV04	1512	104									
CCB04	CCB04	1518	102									

Internal Standard %RI Limit: 70 -130

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

Metals

-9 -

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.:** Q2878

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

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

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

MW-18B-57.5-081325L

Lab Name: Alliance **Contract:** JACO05

Lab Code: ACE **Lb No.:** lb136916 **Lab Sample ID :** Q2878-01L **SDG No.:** Q2878

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	935		931		0		P
Antimony	1.69	J	1.60	J	5		P
Arsenic	0.99	J	0.95	J	4		P
Barium	285		278		2		P
Beryllium	1.00	U	5.00	U			P
Cadmium	1.00	U	5.00	U			P
Calcium	89300		86400		3		P
Chromium	2.00	U	10.0	U			P
Cobalt	5.72		5.50		4		P
Copper	2.00	U	10.0	U			P
Iron	4590		4590		0		P
Lead	1.00	U	5.00	U			P
Magnesium	9790		9500		3		P
Manganese	534		534		0		P
Nickel	11.0		10.8		1		P
Potassium	20700		20300		2		P
Selenium	5.00	U	25.0	U			P
Silver	1.00	U	5.00	U			P
Sodium	22100		22100		0		P
Thallium	0.080	J	5.00	U	100.0		P
Vanadium	1.78	J	1.75	J	2		P
Zinc	5.00	U	25.0	U			P

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

metals
- 14 -
ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: ACE **Sdg no.:** Q2878

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
Q2869-01DUP	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
CCV85	CCV85	1	0936	HG
CCB85	CCB85	1	0938	HG
Q2878-01	MW-18B-57.5-081325	1	0943	HG
Q2869-01L	MW-19B-71.5-081325L	5	1002	HG
CCV86	CCV86	1	1012	HG
CCB86	CCB86	1	1014	HG

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

metals
- 14 -
ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: ACE **Sdg no.:** Q2878

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
PB169323BL	PB169323BL	1	1352	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169323BS	PB169323BS	1	1356	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2878-01	MW-18B-57.5-081325	1	1358	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2878-01DUP	MW-18B-57.5-081325DUP	1	1402	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2878-01L	MW-18B-57.5-081325L	5	1405	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2878-01MS	MW-18B-57.5-081325MS	1	1408	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2878-01MSD	MW-18B-57.5-081325MSD	1	1411	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2878-01A	MW-18B-57.5-081325A	1	1414	Ag,Ca,K
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
Q2878-02	MW-18B-57.5-081325	1	1439	Fe
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:	Q2878	**OrderDate:**	8/14/2025 3:49:00 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2878-01	**MW-18B-57.5-081325**	**Water**			**08/13/25**			**08/14/25**
			Mercury	7470A		08/20/25	08/21/25	
			Metals ICP-TAL	6020B		08/20/25	08/21/25	
Q2878-02	**MW-18B-57.5-081325**	**Water**			**08/13/25**			**08/14/25**
			Dissolved ICP-Group2	6020B		08/20/25	08/21/25	

METAL PREPARATION & ANALYICAL SUMMARY

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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:	**PB169323**						
PB169323BL	PB169323BL	MB	WATER	08/20/2025	50.0	50.0	
PB169323BS	PB169323BS	LCS	WATER	08/20/2025	50.0	50.0	
Q2878-01	MW-18B-57.5-081325	SAM	WATER	08/20/2025	50.0	50.0	
Q2878-01DUP	MW-18B-57.5-081325DUP	DUP	WATER	08/20/2025	50.0	50.0	
Q2878-01MS	MW-18B-57.5-081325MS	MS	WATER	08/20/2025	50.0	50.0	
Q2878-01MSD	MW-18B-57.5-081325MSD	MSD	WATER	08/20/2025	50.0	50.0	
Q2878-02	MW-18B-57.5-081325	SAM	WATER	08/20/2025	50.0	50.0	

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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	
Q2869-01DUP	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	
Q2878-01	MW-18B-57.5-081325	SAM	WATER	08/20/2025	30.0	30.0	

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

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

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

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

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

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

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

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

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

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

PB169323

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: 08/20/2025 **Time :** 14:05 **Temp :** 96 °C

End Digest Date: 08/20/2025 **Time :** 17:10 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: S J-S.

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 96C
MP86792,MP86793,X*

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/20/25 18:10	Siemer dig	Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169323

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169323BL	PBW323	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	1
PB169323BS	LCS323	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	2
Q2878-01MS	MW-18B-57.5-081325MS	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	7
Q2878-01MSD	MW-18B-57.5-081325MSD	<2	50	50	Colorless	Colorless	Cloudy	Clear	MP86790,MP86791,X*	11
Q2878-01DUP	MW-18B-57.5-081325DUP	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	6
Q2878-01	MW-18B-57.5-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	3
Q2878-02	MW-18B-57.5-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	4
Q2890-01	60296	<2	50	50	Brown	Light Yellow	Cloudy	Clear	N/A	5
Q2890-02	60295	<2	50	50	Brown	Light Yellow	Cloudy	Clear	N/A	8
Q2890-03	60272	<2	50	50	Brown	Light Yellow	Cloudy	Clear	N/A	9
Q2906-01	3409	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	10

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 @ 16:20	[illegible]	[illegible]
	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

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 15:45
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-18B-57.5-081325	SDG No.:	Q2878
Lab Sample ID:	Q2878-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	143		1	1.00	2.00	mg/L		08/15/25 09:25	SM 2320 B-21
Chloride	19.0	OR	1	0.19	0.60	mg/L		08/15/25 12:42	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		08/15/25 12:42	9056A
Sulfate	156	OR	1	0.46	3.00	mg/L		08/15/25 12:42	9056A
TDS	261		1	1.00	10.0	mg/L		08/14/25 17:20	SM 2540 C-20

Comments: The alkalinity to pH 4.40=143 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 15:45
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-18B-57.5-081325DL	SDG No.:	Q2878
Lab Sample ID:	Q2878-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	21.4	D	10	1.90	6.00	mg/L		08/15/25 15:13	9056A
Sulfate	148	D	10	4.60	30.0	mg/L		08/15/25 15:13	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

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.:** Q2878

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

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

Initial and Continuing Calibration Blank Summary

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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.:** Q2878

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

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

Matrix Spike Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2878
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

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

Matrix Spike Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2878
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

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

Duplicate Sample Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2878
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

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

Duplicate Sample Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2878
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

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

Laboratory Control Sample Summary

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2878

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

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

Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	**SDG No.:**	Q2878
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

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

Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	**SDG No.:**	Q2878
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

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

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

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

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

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

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

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

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

LAB CHRONICLE

OrderID:	Q2878	**OrderDate:**	8/14/2025 3:49:00 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2878-01	**MW-18B-57.5-081325**	**WATER**			**08/13/25 15:45**			**08/14/25**
			Alkalinity	SM2320 B			08/15/25 09:25	
			Anions Group1	9056A			08/15/25 12:42	
			TDS	SM2540 C			08/14/25 17:20	
Q2878-01DL	**MW-18B-57.5-081325 DL**	**WATER**			**08/13/25 15:45**			**08/14/25**
			Anions Group1	9056A			08/15/25 15:13	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2878
COC Number 2047805

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 Yunfante John.Yunfante@Jacobs.com
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PT C
PROJECT NO.: D3868221 LOCATION: Princeton Junction
email
PROJECT MANAGER: Mary.Murphy@Jacobs.com
e-mail: Project Manager: Mary Murphy
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 3 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 ☐ US EPA CLP
- ☐ 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
4: Dissolved Metals
5: Alkalinity (SM2320B)
6: TDS (SM2540C)
7: Anions (9056)
8: Trace VOCs (LSFAM01.4-SIM)
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW-18B-57.5-081325	GW		X	8/13/25	1545	9	X	X	X	X	X	X	X			
2.	MW-18B-57.5-081325-SIM	GW		X	8/13/25	1548	2								X		
3.	MW-11A-37.5-081425	GW		X	8/14/25	1037	4	X	X								
4.	TB01-081425	DI		X	8/14/25	1200	2	X									
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: A/E | E | B/E | B/E | E | E | E | A/E

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8/14/25 1542	1.
2.		2.
3.		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
IR Gun #1

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

DP 08/18/2025

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2878 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 8/14/2025 3:49:00 PM
Project Name : Former Schlumberger STC
Receive DateTime : 8/14/2025 3:42:00 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
Q2878-01	MW-18B-57.5-081325	Water	~~08/14/2025~~ 08/13/2025	15:45	VOCMS Group3		8260-Low		10 Bus. Days
Q2878-03	MW-18B-57.5-081325-SIM	Water	~~08/14/2025~~ 08/13/2025	15:48	VOC-SIM		SFAM_VOCSIM		10 Bus. Days
Q2878-05	MW-11A-37.5-081425	Water	08/14/2025	10:37	VOCMS Group3		8260-Low		10 Bus. Days
Q2878-06	TB01-081425	Water	08/14/2025	12:00	VOCMS Group3		8260-Low		10 Bus. Days

Relinguished By : [signature]
Date / Time : 8/14/25 16:05

Received By : JC
Date / Time : 8/14/25 1605

Storage Area : **VOA Refridgerator Room**