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

DATA PACKAGE

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 : Q3757

ATTENTION : John Ynfante

Laboratory Certification ID # 20012

Table Of Contents for Q3757

1) Signature Page 3

2) Case Narrative 5

3) Qualifier Page 8

4) QA Checklist 9

5) VOCMS Group3 Data 10

6) VOC-SIM Data 185

7) SVOC-SIMGroup1 Data 280

8) Shipping Document 421

- 8.1) CHAIN OF CUSTODY 422
- 8.2) Lab Certificate 424
- 8.3) Internal COC 425

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 : D4033126

Laboratory Sample ID(s) : Q3757 Sampling Date(s) : 12/03/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8260D,8270-Modified,SFAM_VOCSIM,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 : Q3757

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q3757-01	MW-14A-17.5-120325
Q3757-02	MW-14A-17.5-120325-SIM
Q3757-03	BR-03D-490-120325
Q3757-05	MW-14B-46-120325
Q3757-06	MW-14B-46-120325-SIM
Q3757-07	RMW-05B-90.5-120325
Q3757-08	RMW-05B-90.5-120325-SIM
Q3757-09	OW-05B-72-120325
Q3757-10	OW-05B-72-120325-SIM
Q3757-11	EB01-120325
Q3757-12	TB01-120325
Q3757-14	VHBLK001

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:11 am, Dec 15, 2025

Date: 12/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside, NJ 7092, 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 # Q3757
Test Name: VOCMS Group3,VOC-SIM,SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
12 Water samples were received on 12/03/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group3,VOC-SIM,SVOC-SIMGroup1. This data package contains results for VOCMS Group3(8260-Low),VOC-SIM(SFAM_VOCSIM),SVOC-SIMGroup1(8270-Modified).

C. Analytical Techniques:
VOCMS Group3 : The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis performed on instrument MSVOA_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 8260-Low.

VOC-SIM : The analysis performed on instrument MSVOA_V were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-SIM was based on method SFAM_VOCSIM.

SVOC-SIMGroup1 : The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

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

The Surrogate recoveries were met for all analysis except following
VOCMS Group3 : MW-14B-46-120325[Toluene-d8-71%],
MW-14B-46-120325RE[Toluene-d8-77%],
OW-05B-72-120325[Toluene-d8-76%] and
OW-05B-72-120325RE[1,2-Dichloroethane-d4-126%] these compounds did not meet the in-house criteria but met the NJDKQP criteria as a corrective action sample reanalyzed for confirmation and both run reported.

284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

The Surrogate recoveries were met for all analysis except following
SVOC-SIMGroup1 : BR-03D-490-120325DL [Terphenyl-d14 - 180%]. This compound did not meet the NJDKQP criteria and in-house criteria, one base surrogate is allowed to fail , Therefor no further corrective action was taken.

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 recoveries met criteria.
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 except following
VOCMS Group3 : The Continuous Calibration File ID VN088437.D met the requirements except for 1,2-Dichloroethane is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

SVOC-SIMGroup1 : Sample BR-03D-490-120325 was diluted due to high concentration.

E. Additional Comments:

SEMI-VOA : The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

VOC-SIM : The SIM analysis is not required for the sample BR-03D-490-120325-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."

VOCMS Group3 : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

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

284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

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

Signature_ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:13 am, Dec 15, 2025

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 #: Q3757

	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:** 12/15/2025

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.: Q3757

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**BR-03D-490-120325**							
Q3757-03	BR-03D-490-12032	Water	Vinyl Chloride	3.90		0.26	1.00	ug/L
Q3757-03	BR-03D-490-12032	Water	1,1-Dichloroethene	48.1		0.23	1.00	ug/L
Q3757-03	BR-03D-490-12032	Water	1,1-Dichloroethane	6.40		0.23	1.00	ug/L
Q3757-03	BR-03D-490-12032	Water	cis-1,2-Dichloroethene	34.9		0.19	1.00	ug/L
Q3757-03	BR-03D-490-12032	Water	Benzene	0.23	J	0.15	1.00	ug/L
Q3757-03	BR-03D-490-12032	Water	1,2-Dichloroethane	3.70		0.22	1.00	ug/L
Q3757-03	BR-03D-490-12032	Water	Trichloroethene	35.1		0.090	1.00	ug/L
			Total Voc :	132				
			Total Concentration:	132				
Client ID:	**RMW-05B-90.5-120325**							
Q3757-07	RMW-05B-90.5-12(	Water	1,1-Dichloroethane	1.50		0.23	1.00	ug/L
Q3757-07	RMW-05B-90.5-12(	Water	cis-1,2-Dichloroethene	13.1		0.19	1.00	ug/L
Q3757-07	RMW-05B-90.5-12(	Water	Trichloroethene	0.65	J	0.090	1.00	ug/L
			Total Voc :	15.3				
			Total Concentration:	15.3				
Client ID:	**OW-05B-72-120325**							
Q3757-09	OW-05B-72-12032!	Water	1,1-Dichloroethene	0.85	J	0.23	1.00	ug/L
Q3757-09	OW-05B-72-12032!	Water	cis-1,2-Dichloroethene	2.20		0.19	1.00	ug/L
Q3757-09	OW-05B-72-12032!	Water	Trichloroethene	0.44	J	0.090	1.00	ug/L
			Total Voc :	3.49				
			Total Concentration:	3.49				
Client ID:	**OW-05B-72-120325RE**							
Q3757-09RE	OW-05B-72-12032!	Water	1,1-Dichloroethene	0.60	J	0.23	1.00	ug/L
Q3757-09RE	OW-05B-72-12032!	Water	cis-1,2-Dichloroethene	1.50		0.19	1.00	ug/L
Q3757-09RE	OW-05B-72-12032!	Water	Trichloroethene	0.25	J	0.090	1.00	ug/L
			Total Voc :	2.35				
			Total Concentration:	2.35				

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	MW-14A-17.5-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/05/25 13:32	VX120525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/05/25 13:32	VX120525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/05/25 13:32	VX120525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/05/25 13:32	VX120525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/05/25 13:32	VX120525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/05/25 13:32	VX120525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/05/25 13:32	VX120525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/05/25 13:32	VX120525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/05/25 13:32	VX120525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/05/25 13:32	VX120525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.4			70 (74) - 130 (125)	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.5			70 (75) - 130 (124)	99%	SPK: 50		
2037-26-5	Toluene-d8	48.7			70 (86) - 130 (113)	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.0			70 (77) - 130 (121)	100%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	177000							
540-36-3	1,4-Difluorobenzene	303000							
3114-55-4	Chlorobenzene-d5	274000							
3855-82-1	1,4-Dichlorobenzene-d4	141000							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	BR-03D-490-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-03	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	3.90		1	0.26	1.00	ug/L	12/05/25 13:53	VX120525
75-35-4	1,1-Dichloroethene	48.1		1	0.23	1.00	ug/L	12/05/25 13:53	VX120525
75-34-3	1,1-Dichloroethane	6.40		1	0.23	1.00	ug/L	12/05/25 13:53	VX120525
156-59-2	cis-1,2-Dichloroethene	34.9		1	0.19	1.00	ug/L	12/05/25 13:53	VX120525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/05/25 13:53	VX120525
71-43-2	Benzene	0.23	J	1	0.15	1.00	ug/L	12/05/25 13:53	VX120525
107-06-2	1,2-Dichloroethane	3.70		1	0.22	1.00	ug/L	12/05/25 13:53	VX120525
79-01-6	Trichloroethene	35.1		1	0.090	1.00	ug/L	12/05/25 13:53	VX120525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/05/25 13:53	VX120525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/05/25 13:53	VX120525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.1			70 (74) - 130 (125)	110%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.8			70 (75) - 130 (124)	104%	SPK: 50		
2037-26-5	Toluene-d8	42.9			70 (86) - 130 (113)	86%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.5			70 (77) - 130 (121)	91%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	163000							
540-36-3	1,4-Difluorobenzene	281000							
3114-55-4	Chlorobenzene-d5	231000							
3855-82-1	1,4-Dichlorobenzene-d4	110000							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	MW-14B-46-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-05	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/05/25 14:13	VX120525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/05/25 14:13	VX120525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/05/25 14:13	VX120525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/05/25 14:13	VX120525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/05/25 14:13	VX120525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/05/25 14:13	VX120525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/05/25 14:13	VX120525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/05/25 14:13	VX120525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/05/25 14:13	VX120525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/05/25 14:13	VX120525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	47.2			70 (74) - 130 (125)	94%	SPK: 50		
1868-53-7	Dibromofluoromethane	40.9			70 (75) - 130 (124)	82%	SPK: 50		
2037-26-5	Toluene-d8	35.3			70 (86) - 130 (113)	71%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.5			70 (77) - 130 (121)	87%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	162000							
540-36-3	1,4-Difluorobenzene	287000							
3114-55-4	Chlorobenzene-d5	220000							
3855-82-1	1,4-Dichlorobenzene-d4	131000							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	MW-14B-46-120325RE	SDG No.:	Q3757
Lab Sample ID:	Q3757-05RE	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/08/25 12:33	VX120825
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 12:33	VX120825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/08/25 12:33	VX120825
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/08/25 12:33	VX120825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/08/25 12:33	VX120825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/08/25 12:33	VX120825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/08/25 12:33	VX120825
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/08/25 12:33	VX120825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/08/25 12:33	VX120825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 12:33	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.7			70 (74) - 130 (125)	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	38.4			70 (75) - 130 (124)	77%	SPK: 50		
2037-26-5	Toluene-d8	38.4			70 (86) - 130 (113)	77%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.9			70 (77) - 130 (121)	114%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	125000							
540-36-3	1,4-Difluorobenzene	300000							
3114-55-4	Chlorobenzene-d5	268000							
3855-82-1	1,4-Dichlorobenzene-d4	140000							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	RMW-05B-90.5-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-07	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/05/25 14:33	VX120525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/05/25 14:33	VX120525
75-34-3	1,1-Dichloroethane	1.50		1	0.23	1.00	ug/L	12/05/25 14:33	VX120525
156-59-2	cis-1,2-Dichloroethene	13.1		1	0.19	1.00	ug/L	12/05/25 14:33	VX120525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/05/25 14:33	VX120525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/05/25 14:33	VX120525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/05/25 14:33	VX120525
79-01-6	Trichloroethene	0.65	J	1	0.090	1.00	ug/L	12/05/25 14:33	VX120525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/05/25 14:33	VX120525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/05/25 14:33	VX120525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	51.3			70 (74) - 130 (125)	103%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.1			70 (75) - 130 (124)	94%	SPK: 50		
2037-26-5	Toluene-d8	43.9			70 (86) - 130 (113)	88%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.8			70 (77) - 130 (121)	92%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	132000							
540-36-3	1,4-Difluorobenzene	223000							
3114-55-4	Chlorobenzene-d5	207000							
3855-82-1	1,4-Dichlorobenzene-d4	103000							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	OW-05B-72-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-09	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/05/25 14:54	VX120525
75-35-4	1,1-Dichloroethene	0.85	J	1	0.23	1.00	ug/L	12/05/25 14:54	VX120525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/05/25 14:54	VX120525
156-59-2	cis-1,2-Dichloroethene	2.20		1	0.19	1.00	ug/L	12/05/25 14:54	VX120525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/05/25 14:54	VX120525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/05/25 14:54	VX120525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/05/25 14:54	VX120525
79-01-6	Trichloroethene	0.44	J	1	0.090	1.00	ug/L	12/05/25 14:54	VX120525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/05/25 14:54	VX120525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/05/25 14:54	VX120525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.8			70 (74) - 130 (125)	118%	SPK: 50		
1868-53-7	Dibromofluoromethane	39.7			70 (75) - 130 (124)	79%	SPK: 50		
2037-26-5	Toluene-d8	38.2			70 (86) - 130 (113)	76%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.0			70 (77) - 130 (121)	90%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	129000							
540-36-3	1,4-Difluorobenzene	275000							
3114-55-4	Chlorobenzene-d5	209000							
3855-82-1	1,4-Dichlorobenzene-d4	103000							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	OW-05B-72-120325RE	SDG No.:	Q3757
Lab Sample ID:	Q3757-09RE	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/08/25 12:53	VX120825
75-35-4	1,1-Dichloroethene	0.60	J	1	0.23	1.00	ug/L	12/08/25 12:53	VX120825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/08/25 12:53	VX120825
156-59-2	cis-1,2-Dichloroethene	1.50		1	0.19	1.00	ug/L	12/08/25 12:53	VX120825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/08/25 12:53	VX120825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/08/25 12:53	VX120825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/08/25 12:53	VX120825
79-01-6	Trichloroethene	0.25	J	1	0.090	1.00	ug/L	12/08/25 12:53	VX120825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/08/25 12:53	VX120825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 12:53	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	62.9			70 (74) - 130 (125)	126%	SPK: 50		
1868-53-7	Dibromofluoromethane	39.6			70 (75) - 130 (124)	79%	SPK: 50		
2037-26-5	Toluene-d8	47.0			70 (86) - 130 (113)	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.1			70 (77) - 130 (121)	112%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	169000							
540-36-3	1,4-Difluorobenzene	410000							
3114-55-4	Chlorobenzene-d5	414000							
3855-82-1	1,4-Dichlorobenzene-d4	198000							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	EB01-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-11	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/04/25 16:48	VN120425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/04/25 16:48	VN120425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/04/25 16:48	VN120425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/04/25 16:48	VN120425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/04/25 16:48	VN120425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/04/25 16:48	VN120425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/04/25 16:48	VN120425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/04/25 16:48	VN120425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/04/25 16:48	VN120425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/04/25 16:48	VN120425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.6			70 (74) - 130 (125)	107%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.9			70 (75) - 130 (124)	94%	SPK: 50		
2037-26-5	Toluene-d8	44.3			70 (86) - 130 (113)	89%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.5			70 (77) - 130 (121)	99%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	202000							
540-36-3	1,4-Difluorobenzene	452000							
3114-55-4	Chlorobenzene-d5	440000							
3855-82-1	1,4-Dichlorobenzene-d4	211000							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	TB01-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-12	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/04/25 16:28	VN120425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/04/25 16:28	VN120425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/04/25 16:28	VN120425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/04/25 16:28	VN120425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/04/25 16:28	VN120425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/04/25 16:28	VN120425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/04/25 16:28	VN120425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/04/25 16:28	VN120425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/04/25 16:28	VN120425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/04/25 16:28	VN120425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.4			70 (74) - 130 (125)	113%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.1			70 (75) - 130 (124)	94%	SPK: 50		
2037-26-5	Toluene-d8	45.0			70 (86) - 130 (113)	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.4			70 (77) - 130 (121)	105%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	198000							
540-36-3	1,4-Difluorobenzene	454000							
3114-55-4	Chlorobenzene-d5	441000							
3855-82-1	1,4-Dichlorobenzene-d4	211000							

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

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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q3757

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3757-01	MW-14A-17.5-120325	1,2-Dichloroethane-d4	50	52.4	105		70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99		70 (75)	130 (124)
		Toluene-d8	50	48.6	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.0	100		70 (77)	130 (121)
Q3757-03	BR-03D-490-120325	1,2-Dichloroethane-d4	50	55.1	110		70 (74)	130 (125)
		Dibromofluoromethane	50	51.8	104		70 (75)	130 (124)
		Toluene-d8	50	42.9	86		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.5	91		70 (77)	130 (121)
Q3757-05	MW-14B-46-120325	1,2-Dichloroethane-d4	50	47.2	94		70 (74)	130 (125)
		Dibromofluoromethane	50	40.9	82		70 (75)	130 (124)
		Toluene-d8	50	35.3	71		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.5	87		70 (77)	130 (121)
Q3757-05RE	MW-14B-46-120325RE	1,2-Dichloroethane-d4	50	57.7	115		70 (74)	130 (125)
		Dibromofluoromethane	50	38.4	77		70 (75)	130 (124)
		Toluene-d8	50	38.4	77		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.9	114		70 (77)	130 (121)
Q3757-07	RMW-05B-90.5-120325	1,2-Dichloroethane-d4	50	51.3	103		70 (74)	130 (125)
		Dibromofluoromethane	50	47.1	94		70 (75)	130 (124)
		Toluene-d8	50	43.9	88		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.8	92		70 (77)	130 (121)
Q3757-09	OW-05B-72-120325	1,2-Dichloroethane-d4	50	58.8	118		70 (74)	130 (125)
		Dibromofluoromethane	50	39.7	79		70 (75)	130 (124)
		Toluene-d8	50	38.2	76		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.0	90		70 (77)	130 (121)
Q3757-09RE	OW-05B-72-120325RE	1,2-Dichloroethane-d4	50	62.9	126		70 (74)	130 (125)
		Dibromofluoromethane	50	39.6	79		70 (75)	130 (124)
		Toluene-d8	50	47.0	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.1	112		70 (77)	130 (121)
Q3757-11	EB01-120325	1,2-Dichloroethane-d4	50	53.6	107		70 (74)	130 (125)
		Dibromofluoromethane	50	46.9	94		70 (75)	130 (124)
		Toluene-d8	50	44.4	89		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.5	99		70 (77)	130 (121)
Q3757-12	TB01-120325	1,2-Dichloroethane-d4	50	56.4	113		70 (74)	130 (125)
		Dibromofluoromethane	50	47.1	94		70 (75)	130 (124)
		Toluene-d8	50	45.0	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.4	105		70 (77)	130 (121)
VN1204WBL01	VN1204WBL01	1,2-Dichloroethane-d4	50	61.7	123		70 (74)	130 (125)
		Dibromofluoromethane	50	50.8	102		70 (75)	130 (124)
		Toluene-d8	50	46.7	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.9	100		70 (77)	130 (121)
VN1204WBS01	VN1204WBS01	1,2-Dichloroethane-d4	50	53.8	108		70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101		70 (75)	130 (124)
		Toluene-d8	50	51.7	103		70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.4	109		70 (77)	130 (121)
VN1204WBSD0	VN1204WBSD01	1,2-Dichloroethane-d4	50	56.0	112		70 (74)	130 (125)
		Dibromofluoromethane	50	53.1	106		70 (75)	130 (124)
		Toluene-d8	50	52.7	105		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.3	113		70 (77)	130 (121)
VX1205WBL01	VX1205WBL01	1,2-Dichloroethane-d4	50	50.6	101		70 (74)	130 (125)
		Dibromofluoromethane	50	49.7	99		70 (75)	130 (124)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q3757

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VX1205WBL01	VX1205WBL01	Toluene-d8	50	50.8	102		70 (86)	130 (113)
		4-Bromofluorobenzene	50	60.5	121		70 (77)	130 (121)
VX1205WBS01	VX1205WBS01	1,2-Dichloroethane-d4	50	52.4	105		70 (74)	130 (125)
		Dibromofluoromethane	50	48.0	96		70 (75)	130 (124)
		Toluene-d8	50	49.6	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.5	105		70 (77)	130 (121)
VX1208WBL01	VX1208WBL01	1,2-Dichloroethane-d4	50	49.5	99		70 (74)	130 (125)
		Dibromofluoromethane	50	46.0	92		70 (75)	130 (124)
		Toluene-d8	50	45.2	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.8	112		70 (77)	130 (121)
VX1208WBS01	VX1208WBS01	1,2-Dichloroethane-d4	50	56.7	113		70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101		70 (75)	130 (124)
		Toluene-d8	50	50.6	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.8	118		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.: Q3757 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, Inc. **Datafile :** VN088443.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1204WBS01	Vinyl chloride	20	20.3	ug/L	102			70 (65)	130 (117)	
	1,1-Dichloroethene	20	20.4	ug/L	102			70 (74)	130 (110)	
	1,1-Dichloroethane	20	19.6	ug/L	98			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	19.0	ug/L	95			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	20.7	ug/L	104			70 (80)	130 (108)	
	Benzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.8	ug/L	104			70 (80)	130 (115)	
	Trichloroethene	20	18.3	ug/L	92			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	19.9	ug/L	100			70 (83)	130 (112)	
	Tetrachloroethene	20	18.1	ug/L	91			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.: Q3757 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, Inc. **Datafile :** VN088444.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1204WBSD01	Vinyl chloride	20	19.0	ug/L	95	7		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	19.5	ug/L	98	4		70 (74)	130 (110)	20 (20)
	1,1-Dichloroethane	20	19.7	ug/L	99	1		70 (78)	130 (112)	20 (20)
	cis-1,2-Dichloroethene	20	19.3	ug/L	97	2		70 (77)	130 (110)	20 (20)
	1,1,1-Trichloroethane	20	20.6	ug/L	103	1		70 (80)	130 (108)	20 (20)
	Benzene	20	19.3	ug/L	97	0		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	21.6	ug/L	108	4		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.7	ug/L	94	2		70 (77)	130 (113)	20 (15)
	1,1,2-Trichloroethane	20	20.7	ug/L	104	4		70 (83)	130 (112)	20 (20)
	Tetrachloroethene	20	17.3	ug/L	86	6		70 (67)	130 (123)	20 (15)

( ) = 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.: Q3757 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, Inc. **Datafile :** VX048726.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1205WBS01	Vinyl chloride	20	16.1	ug/L	81			70 (65)	130 (117)	
	1,1-Dichloroethene	20	19.4	ug/L	97			70 (74)	130 (110)	
	1,1-Dichloroethane	20	20.1	ug/L	101			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			70 (80)	130 (108)	
	Benzene	20	18.7	ug/L	94			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.1	ug/L	101			70 (80)	130 (115)	
	Trichloroethene	20	19.0	ug/L	95			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	19.1	ug/L	96			70 (83)	130 (112)	
	Tetrachloroethene	20	17.6	ug/L	88			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.: Q3757 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, Inc. **Datafile :** VX048745.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1208WBS01	Vinyl chloride	20	19.8	ug/L	99			70 (65)	130 (117)	
	1,1-Dichloroethene	20	19.2	ug/L	96			70 (74)	130 (110)	
	1,1-Dichloroethane	20	20.8	ug/L	104			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	19.9	ug/L	100			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	20.1	ug/L	101			70 (80)	130 (108)	
	Benzene	20	18.8	ug/L	94			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.4	ug/L	107			70 (80)	130 (115)	
	Trichloroethene	20	17.6	ug/L	88			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	21.7	ug/L	109			70 (83)	130 (112)	
	Tetrachloroethene	20	16.5	ug/L	83			70 (67)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VN1204WBL01

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3757

Lab File ID: VN088439.D | Lab Sample ID: VN1204WBL01

Date Analyzed: 12/04/2025 | Time Analyzed: 12:38

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1204WBS01	VN1204WBS01	VN088443.D	12/04/2025
VN1204WBSD01	VN1204WBSD01	VN088444.D	12/04/2025
TB01-120325	Q3757-12	VN088449.D	12/04/2025
EB01-120325	Q3757-11	VN088450.D	12/04/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VX1205WBL01

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3757

Lab File ID: VX048725.D | Lab Sample ID: VX1205WBL01

Date Analyzed: 12/05/2025 | Time Analyzed: 10:34

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
VX1205WBS01	VX1205WBS01	VX048726.D	12/05/2025
MW-14A-17.5-120325	Q3757-01	VX048731.D	12/05/2025
BR-03D-490-120325	Q3757-03	VX048732.D	12/05/2025
MW-14B-46-120325	Q3757-05	VX048733.D	12/05/2025
RMW-05B-90.5-120325	Q3757-07	VX048734.D	12/05/2025
OW-05B-72-120325	Q3757-09	VX048735.D	12/05/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VX1208WBL01

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3757

Lab File ID: VX048744.D | Lab Sample ID: VX1208WBL01

Date Analyzed: 12/08/2025 | Time Analyzed: 11:15

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
VX1208WBS01	VX1208WBS01	VX048745.D	12/08/2025
MW-14B-46-120325RE	Q3757-05RE	VX048747.D	12/08/2025
OW-05B-72-120325RE	Q3757-09RE	VX048748.D	12/08/2025

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.: Q3757
Lab File ID: VN088343.D
BFB Injection Date: 11/24/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:17
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 60.0% of mass 95	56.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	70.8
175	5.0 - 9.0% of mass 174	6 (8.4) 1
176	95.0 - 101.0% of mass 174	68.3 (96.4) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN088344.D	11/24/2025	12:38
VSTDICC005	VSTDICC005	VN088345.D	11/24/2025	13:11
VSTDICC020	VSTDICC020	VN088346.D	11/24/2025	13:32
VSTDICCC050	VSTDICCC050	VN088347.D	11/24/2025	13:53
VSTDICC100	VSTDICC100	VN088348.D	11/24/2025	14:14
VSTDICC150	VSTDICC150	VN088349.D	11/24/2025	14:35

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.: Q3757

Lab File ID: VN088436.D | BFB Injection Date: 12/04/2025

Instrument ID: MSVOA_N | BFB Injection Time: 11:03

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 60.0% of mass 95	59.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	70.2
175	5.0 - 9.0% of mass 174	5.8 (8.3) 1
176	95.0 - 101.0% of mass 174	67.6 (96.3) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN088437.D	12/04/2025	11:44
VN1204WBL01	VN1204WBL01	VN088439.D	12/04/2025	12:38
VN1204WBS01	VN1204WBS01	VN088443.D	12/04/2025	14:12
VN1204WBSD01	VN1204WBSD01	VN088444.D	12/04/2025	14:45
TB01-120325	Q3757-12	VN088449.D	12/04/2025	16:28
EB01-120325	Q3757-11	VN088450.D	12/04/2025	16:48

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.: Q3757

Lab File ID: VX048713.D | BFB Injection Date: 12/04/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:15

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	19.6
75	30.0 - 60.0% of mass 95	51.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	76.2
175	5.0 - 9.0% of mass 174	5.9 (7.8) 1
176	95.0 - 101.0% of mass 174	74.4 (97.7) 1
177	5.0 - 9.0% of mass 176	4.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX048714.D	12/04/2025	08:47
VSTDICC005	VSTDICC005	VX048715.D	12/04/2025	09:16
VSTDICC020	VSTDICC020	VX048716.D	12/04/2025	09:36
VSTDICCC050	VSTDICCC050	VX048717.D	12/04/2025	09:57
VSTDICC100	VSTDICC100	VX048718.D	12/04/2025	10:17
VSTDICC150	VSTDICC150	VX048719.D	12/04/2025	10:38

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.: Q3757

Lab File ID: VX048722.D | BFB Injection Date: 12/05/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:14

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	16.3
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	80.6
175	5.0 - 9.0% of mass 174	5.9 (7.3) 1
176	95.0 - 101.0% of mass 174	77.7 (96.4) 1
177	5.0 - 9.0% of mass 176	5.4 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048723.D	12/05/2025	08:45
VX1205WBL01	VX1205WBL01	VX048725.D	12/05/2025	10:34
VX1205WBS01	VX1205WBS01	VX048726.D	12/05/2025	11:31
MW-14A-17.5-120325	Q3757-01	VX048731.D	12/05/2025	13:32
BR-03D-490-120325	Q3757-03	VX048732.D	12/05/2025	13:53
MW-14B-46-120325	Q3757-05	VX048733.D	12/05/2025	14:13
RMW-05B-90.5-120325	Q3757-07	VX048734.D	12/05/2025	14:33
OW-05B-72-120325	Q3757-09	VX048735.D	12/05/2025	14:54

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.: Q3757

Lab File ID: VX048741.D | BFB Injection Date: 12/08/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:17

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	19.5
75	30.0 - 60.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	80.1
175	5.0 - 9.0% of mass 174	6 (7.5) 1
176	95.0 - 101.0% of mass 174	76.4 (95.3) 1
177	5.0 - 9.0% of mass 176	5.3 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048742.D	12/08/2025	09:20
VX1208WBL01	VX1208WBL01	VX048744.D	12/08/2025	11:15
VX1208WBS01	VX1208WBS01	VX048745.D	12/08/2025	11:44
MW-14B-46-120325RE	Q3757-05RE	VX048747.D	12/08/2025	12:33
OW-05B-72-120325RE	Q3757-09RE	VX048748.D	12/08/2025	12:53

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.: Q3757

Lab File ID: VN088437.D Date Analyzed: 12/04/2025

Instrument ID: MSVOA_N Time Analyzed: 11:44

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	259230	8.21	454552	9.08	431157	11.84
UPPER LIMIT	518460	8.706	909104	9.577	862314	12.341
LOWER LIMIT	129615	7.706	227276	8.577	215579	11.341
EPA SAMPLE NO.						
EB01-120325	201753	8.21	451562	9.08	439722	11.84
TB01-120325	198228	8.21	454339	9.08	441078	11.84
VN1204WBL01	236600	8.21	556948	9.08	555675	11.84
VN1204WBS01	303745	8.21	559564	9.08	491842	11.84
VN1204WBSD01	290727	8.21	529277	9.08	469866	11.84

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.: Q3757

Lab File ID: VN088437.D Date Analyzed: 12/04/2025

Instrument ID: MSVOA_N Time Analyzed: 11:44

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

	IS4 AREA #	RT #				
12 HOUR STD	210277	13.765				
UPPER LIMIT	420554	14.265				
LOWER LIMIT	105139	13.265				
EPA SAMPLE NO.						
EB01-120325	210586	13.77				
TB01-120325	211349	13.77				
VN1204WBL01	258091	13.77				
VN1204WBS01	237731	13.77				
VN1204WBSD01	229597	13.77				

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.

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.: Q3757

Lab File ID: VX048723.D Date Analyzed: 12/05/2025

Instrument ID: MSVOA_X Time Analyzed: 08:45

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	218600	5.53	333007	6.74	285113	10.04
UPPER LIMIT	437200	6.025	666014	7.239	570226	10.537
LOWER LIMIT	109300	5.025	166504	6.239	142557	9.537
EPA SAMPLE NO.						
MW-14A-17.5-120325	176619	5.53	302604	6.74	274042	10.04
BR-03D-490-120325	163180	5.54	280929	6.75	230844	10.04
MW-14B-46-120325	161591	5.54	286549	6.75	220300	10.04
RMW-05B-90.5-120325	132392	5.54	222932	6.75	207009	10.04
OW-05B-72-120325	129477	5.54	275147	6.75	208806	10.04
VX1205WBL01	193187	5.53	291151	6.74	294164	10.04
VX1205WBS01	179194	5.53	293931	6.74	269397	10.04

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.: Q3757

Lab File ID: VX048723.D Date Analyzed: 12/05/2025

Instrument ID: MSVOA_X Time Analyzed: 08:45

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

	IS4 AREA #	RT #				
12 HOUR STD	141895	12				
UPPER LIMIT	283790	12.5				
LOWER LIMIT	70947.5	11.5				
EPA SAMPLE NO.						
MW-14A-17.5-120325	141373	12.01				
BR-03D-490-120325	110489	12.01				
MW-14B-46-120325	131055	12.01				
RMW-05B-90.5-120325	102583	12.01				
OW-05B-72-120325	103213	12.01				
VX1205WBL01	130501	12.01				
VX1205WBS01	132992	12.01				

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.

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.: Q3757

Lab File ID: VX048742.D Date Analyzed: 12/08/2025

Instrument ID: MSVOA_X Time Analyzed: 09:20

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	174813	5.53	271670	6.74	259893	10.04
UPPER LIMIT	349626	6.031	543340	7.239	519786	10.537
LOWER LIMIT	87406.5	5.031	135835	6.239	129947	9.537
EPA SAMPLE NO.						
MW-14B-46-120325RE	124903	5.54	299763	6.75	268328	10.04
OW-05B-72-120325RE	169111	5.54	409831	6.74	413547	10.04
VX1208WBL01	173343	5.53	340953	6.74	370451	10.04
VX1208WBS01	178446	5.53	298973	6.74	311271	10.04

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.: Q3757

Lab File ID: VX048742.D Date Analyzed: 12/08/2025

Instrument ID: MSVOA_X Time Analyzed: 09:20

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

	IS4 AREA #	RT #				
12 HOUR STD	132353	12				
UPPER LIMIT	264706	12.5				
LOWER LIMIT	66176.5	11.5				
EPA SAMPLE NO.						
MW-14B-46-120325RE	139875	12.01				
OW-05B-72-120325RE	197728	12.01				
VX1208WBL01	179749	12.01				
VX1208WBS01	157846	12.00				

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:	VN1204WBL01	SDG No.:	Q3757
Lab Sample ID:	VN1204WBL01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/04/25 12:38	VN120425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/04/25 12:38	VN120425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/04/25 12:38	VN120425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/04/25 12:38	VN120425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/04/25 12:38	VN120425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/04/25 12:38	VN120425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/04/25 12:38	VN120425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/04/25 12:38	VN120425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/04/25 12:38	VN120425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/04/25 12:38	VN120425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.7			70 (74) - 130 (125)	123%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.8			70 (75) - 130 (124)	102%	SPK: 50		
2037-26-5	Toluene-d8	46.7			70 (86) - 130 (113)	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.9			70 (77) - 130 (121)	100%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	237000							
540-36-3	1,4-Difluorobenzene	557000							
3114-55-4	Chlorobenzene-d5	556000							
3855-82-1	1,4-Dichlorobenzene-d4	258000							

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:	VX1205WBL01	SDG No.:	Q3757
Lab Sample ID:	VX1205WBL01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/05/25 10:34	VX120525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/05/25 10:34	VX120525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/05/25 10:34	VX120525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/05/25 10:34	VX120525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/05/25 10:34	VX120525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/05/25 10:34	VX120525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/05/25 10:34	VX120525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/05/25 10:34	VX120525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/05/25 10:34	VX120525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/05/25 10:34	VX120525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.6			70 (74) - 130 (125)	101%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.7			70 (75) - 130 (124)	99%	SPK: 50		
2037-26-5	Toluene-d8	50.8			70 (86) - 130 (113)	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	60.5			70 (77) - 130 (121)	121%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	193000							
540-36-3	1,4-Difluorobenzene	291000							
3114-55-4	Chlorobenzene-d5	294000							
3855-82-1	1,4-Dichlorobenzene-d4	131000							

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:	VX1208WBL01	SDG No.:	Q3757
Lab Sample ID:	VX1208WBL01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/08/25 11:15	VX120825
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 11:15	VX120825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/08/25 11:15	VX120825
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/08/25 11:15	VX120825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/08/25 11:15	VX120825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/08/25 11:15	VX120825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/08/25 11:15	VX120825
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/08/25 11:15	VX120825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/08/25 11:15	VX120825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 11:15	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.5			70 (74) - 130 (125)	99%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.0			70 (75) - 130 (124)	92%	SPK: 50		
2037-26-5	Toluene-d8	45.2			70 (86) - 130 (113)	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.8			70 (77) - 130 (121)	112%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	173000							
540-36-3	1,4-Difluorobenzene	341000							
3114-55-4	Chlorobenzene-d5	370000							
3855-82-1	1,4-Dichlorobenzene-d4	180000							

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:	VN1204WBS01	SDG No.:	Q3757
Lab Sample ID:	VN1204WBS01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	20.3		1	0.26	1.00	ug/L	12/04/25 14:12	VN120425
75-35-4	1,1-Dichloroethene	20.4		1	0.23	1.00	ug/L	12/04/25 14:12	VN120425
75-34-3	1,1-Dichloroethane	19.6		1	0.23	1.00	ug/L	12/04/25 14:12	VN120425
156-59-2	cis-1,2-Dichloroethene	19.0		1	0.19	1.00	ug/L	12/04/25 14:12	VN120425
71-55-6	1,1,1-Trichloroethane	20.7		1	0.20	1.00	ug/L	12/04/25 14:12	VN120425
71-43-2	Benzene	19.3		1	0.15	1.00	ug/L	12/04/25 14:12	VN120425
107-06-2	1,2-Dichloroethane	20.8		1	0.22	1.00	ug/L	12/04/25 14:12	VN120425
79-01-6	Trichloroethene	18.3		1	0.090	1.00	ug/L	12/04/25 14:12	VN120425
79-00-5	1,1,2-Trichloroethane	19.9		1	0.21	1.00	ug/L	12/04/25 14:12	VN120425
127-18-4	Tetrachloroethene	18.1		1	0.23	1.00	ug/L	12/04/25 14:12	VN120425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.8			70 (74) - 130 (125)	108%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.7			70 (75) - 130 (124)	101%	SPK: 50		
2037-26-5	Toluene-d8	51.7			70 (86) - 130 (113)	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.4			70 (77) - 130 (121)	109%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	304000							
540-36-3	1,4-Difluorobenzene	560000							
3114-55-4	Chlorobenzene-d5	492000							
3855-82-1	1,4-Dichlorobenzene-d4	238000							

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:	VX1205WBS01	SDG No.:	Q3757
Lab Sample ID:	VX1205WBS01	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	16.1		1	0.26	1.00	ug/L	12/05/25 11:31	VX120525
75-35-4	1,1-Dichloroethene	19.4		1	0.23	1.00	ug/L	12/05/25 11:31	VX120525
75-34-3	1,1-Dichloroethane	20.1		1	0.23	1.00	ug/L	12/05/25 11:31	VX120525
156-59-2	cis-1,2-Dichloroethene	19.1		1	0.19	1.00	ug/L	12/05/25 11:31	VX120525
71-55-6	1,1,1-Trichloroethane	20.0		1	0.20	1.00	ug/L	12/05/25 11:31	VX120525
71-43-2	Benzene	18.7		1	0.15	1.00	ug/L	12/05/25 11:31	VX120525
107-06-2	1,2-Dichloroethane	20.1		1	0.22	1.00	ug/L	12/05/25 11:31	VX120525
79-01-6	Trichloroethene	19.0		1	0.090	1.00	ug/L	12/05/25 11:31	VX120525
79-00-5	1,1,2-Trichloroethane	19.1		1	0.21	1.00	ug/L	12/05/25 11:31	VX120525
127-18-4	Tetrachloroethene	17.6		1	0.23	1.00	ug/L	12/05/25 11:31	VX120525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.4			70 (74) - 130 (125)	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.0			70 (75) - 130 (124)	96%	SPK: 50		
2037-26-5	Toluene-d8	49.6			70 (86) - 130 (113)	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.5			70 (77) - 130 (121)	105%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	179000							
540-36-3	1,4-Difluorobenzene	294000							
3114-55-4	Chlorobenzene-d5	269000							
3855-82-1	1,4-Dichlorobenzene-d4	133000							

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:	VX1208WBS01	SDG No.:	Q3757
Lab Sample ID:	VX1208WBS01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	19.8		1	0.26	1.00	ug/L	12/08/25 11:44	VX120825
75-35-4	1,1-Dichloroethene	19.2		1	0.23	1.00	ug/L	12/08/25 11:44	VX120825
75-34-3	1,1-Dichloroethane	20.8		1	0.23	1.00	ug/L	12/08/25 11:44	VX120825
156-59-2	cis-1,2-Dichloroethene	19.9		1	0.19	1.00	ug/L	12/08/25 11:44	VX120825
71-55-6	1,1,1-Trichloroethane	20.1		1	0.20	1.00	ug/L	12/08/25 11:44	VX120825
71-43-2	Benzene	18.8		1	0.15	1.00	ug/L	12/08/25 11:44	VX120825
107-06-2	1,2-Dichloroethane	21.4		1	0.22	1.00	ug/L	12/08/25 11:44	VX120825
79-01-6	Trichloroethene	17.6		1	0.090	1.00	ug/L	12/08/25 11:44	VX120825
79-00-5	1,1,2-Trichloroethane	21.7		1	0.21	1.00	ug/L	12/08/25 11:44	VX120825
127-18-4	Tetrachloroethene	16.5		1	0.23	1.00	ug/L	12/08/25 11:44	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.7			70 (74) - 130 (125)	113%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.4			70 (75) - 130 (124)	101%	SPK: 50		
2037-26-5	Toluene-d8	50.6			70 (86) - 130 (113)	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	58.8			70 (77) - 130 (121)	118%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	178000							
540-36-3	1,4-Difluorobenzene	299000							
3114-55-4	Chlorobenzene-d5	311000							
3855-82-1	1,4-Dichlorobenzene-d4	158000							

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:	VN1204WBSD01	SDG No.:	Q3757
Lab Sample ID:	VN1204WBSD01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	19.0		1	0.26	1.00	ug/L	12/04/25 14:45	VN120425
75-35-4	1,1-Dichloroethene	19.5		1	0.23	1.00	ug/L	12/04/25 14:45	VN120425
75-34-3	1,1-Dichloroethane	19.7		1	0.23	1.00	ug/L	12/04/25 14:45	VN120425
156-59-2	cis-1,2-Dichloroethene	19.3		1	0.19	1.00	ug/L	12/04/25 14:45	VN120425
71-55-6	1,1,1-Trichloroethane	20.6		1	0.20	1.00	ug/L	12/04/25 14:45	VN120425
71-43-2	Benzene	19.3		1	0.15	1.00	ug/L	12/04/25 14:45	VN120425
107-06-2	1,2-Dichloroethane	21.6		1	0.22	1.00	ug/L	12/04/25 14:45	VN120425
79-01-6	Trichloroethene	18.7		1	0.090	1.00	ug/L	12/04/25 14:45	VN120425
79-00-5	1,1,2-Trichloroethane	20.7		1	0.21	1.00	ug/L	12/04/25 14:45	VN120425
127-18-4	Tetrachloroethene	17.3		1	0.23	1.00	ug/L	12/04/25 14:45	VN120425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.0			70 (74) - 130 (125)	112%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.1			70 (75) - 130 (124)	106%	SPK: 50		
2037-26-5	Toluene-d8	52.7			70 (86) - 130 (113)	105%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.3			70 (77) - 130 (121)	113%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	291000							
540-36-3	1,4-Difluorobenzene	529000							
3114-55-4	Chlorobenzene-d5	470000							
3855-82-1	1,4-Dichlorobenzene-d4	230000							

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.: Q3757

Instrument ID: MSVOA_N Calibration Date(s): 11/24/2025 11/24/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:38 14:35

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

LAB FILE ID: RRF001 = VN088344.D RRF005 = VN088345.D RRF020 = VN088346.D
RRF050 = VN088347.D RRF100 = VN088348.D RRF150 = VN088349.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.804	0.844	0.856	0.812	0.837	0.772	0.821	3.8
1,1-Dichloroethene	0.722	0.620	0.601	0.568	0.595	0.554	0.610	9.8
1,1-Dichloroethane	1.389	1.431	1.348	1.427	1.321	1.286	1.367	4.3
cis-1,2-Dichloroethene	0.797	0.801	0.794	0.829	0.747	0.744	0.785	4.2
1,1,1-Trichloroethane	1.247	1.219	1.192	1.158	1.166	1.104	1.181	4.3
Benzene	1.658	1.555	1.609	1.559	1.559	1.477	1.570	3.9
1,2-Dichloroethane	0.583	0.614	0.596	0.615	0.597	0.587	0.599	2.3
Trichloroethene	0.382	0.385	0.383	0.357	0.371	0.348	0.371	4.1
1,1,2-Trichloroethane	0.350	0.359	0.364	0.353	0.341	0.336	0.351	3
Tetrachloroethene	0.426	0.388	0.413	0.377	0.407	0.367	0.396	5.7
1,2-Dichloroethane-d4		0.954	0.916	0.999	0.882	0.960	0.942	4.7
Dibromofluoromethane		0.361	0.350	0.350	0.334	0.337	0.346	3.2
Toluene-d8		1.249	1.292	1.285	1.308	1.313	1.289	2
4-Bromofluorobenzene		0.402	0.413	0.448	0.466	0.482	0.442	7.7

* 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q3757

Instrument ID: MSVOA_X Calibration Date(s): 12/04/2025 12/04/2025

Heated Purge: (Y/N) N Calibration Time(s): 08:47 10:38

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

LAB FILE ID: RRF001 = VX048714.D RRF005 = VX048715.D RRF020 = VX048716.D
RRF050 = VX048717.D RRF100 = VX048718.D RRF150 = VX048719.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.704	0.624	0.667	0.709	0.700	0.704	0.685	4.9
1,1-Dichloroethene	0.607	0.533	0.560	0.601	0.584	0.598	0.581	4.9
1,1-Dichloroethane	1.208	0.803	1.038	0.910	1.223	0.914	1.016	16.9
cis-1,2-Dichloroethene	0.776	0.559	0.634	0.629	0.785	0.630	0.669	13.6
1,1,1-Trichloroethane	1.091	0.859	0.955	0.912	1.013	1.023	0.975	8.6
Benzene	1.508	1.396	1.314	1.323	1.402	1.444	1.398	5.2
1,2-Dichloroethane	0.554	0.497	0.439	0.452	0.525	0.502	0.495	8.7
Trichloroethene	0.387	0.340	0.363	0.367	0.345	0.387	0.365	5.4
1,1,2-Trichloroethane	0.359	0.316	0.325	0.378	0.310	0.347	0.339	7.9
Tetrachloroethene	0.383	0.367	0.358	0.353	0.315	0.410	0.364	8.8
1,2-Dichloroethane-d4		0.677	0.618	0.578	0.787	0.695	0.671	11.9
Dibromofluoromethane		0.316	0.359	0.334	0.355	0.357	0.344	5.4
Toluene-d8		1.281	1.161	1.312	1.051	1.228	1.207	8.6
4-Bromofluorobenzene		0.416	0.418	0.459	0.397	0.391	0.416	6.4

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

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.: Q3757

Instrument ID: MSVOA_N Calibration Date/Time: 12/04/2025 11:44

Lab File ID: VN088437.D Init. Calib. Date(s): 11/24/2025 11/24/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:38 14:35

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.821	0.817		-0.49	20
1,1-Dichloroethene	0.610	0.619		1.48	20
1,1-Dichloroethane	1.367	1.487	0.1	8.78	20
cis-1,2-Dichloroethene	0.785	0.832		5.99	20
1,1,1-Trichloroethane	1.181	1.277		8.13	20
Benzene	1.570	1.743		11.02	20
1,2-Dichloroethane	0.599	0.729		21.7	20
Trichloroethene	0.371	0.385		3.77	20
1,1,2-Trichloroethane	0.351	0.402		14.53	20
Tetrachloroethene	0.396	0.360		-9.09	20
1,2-Dichloroethane-d4	0.942	1.041		10.51	20
Dibromofluoromethane	0.346	0.396		14.45	20
Toluene-d8	1.289	1.429		10.86	20
4-Bromofluorobenzene	0.442	0.507		14.71	20

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.: Q3757

Instrument ID: MSVOA_X | Calibration Date/Time: 12/05/2025 08:45

Lab File ID: VX048723.D | Init. Calib. Date(s): 12/04/2025 12/04/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 08:47 10:38

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.685	0.781		14.02	20
1,1-Dichloroethene	0.581	0.641		10.33	20
1,1-Dichloroethane	1.016	1.170	0.1	15.16	20
cis-1,2-Dichloroethene	0.669	0.724		8.22	20
1,1,1-Trichloroethane	0.975	0.958		-1.74	20
Benzene	1.398	1.412		1	20
1,2-Dichloroethane	0.495	0.470		-5.05	20
Trichloroethene	0.365	0.386		5.75	20
1,1,2-Trichloroethane	0.339	0.340		0.29	20
Tetrachloroethene	0.364	0.370		1.65	20
1,2-Dichloroethane-d4	0.671	0.588		-12.37	20
Dibromofluoromethane	0.344	0.344		0	20
Toluene-d8	1.207	1.162		-3.73	20
4-Bromofluorobenzene	0.416	0.430		3.37	20

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.: Q3757

Instrument ID: MSVOA_X Calibration Date/Time: 12/08/2025 09:20

Lab File ID: VX048742.D Init. Calib. Date(s): 12/04/2025 12/04/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:47 10:38

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.685	0.671		-2.04	20
1,1-Dichloroethene	0.581	0.547		-5.85	20
1,1-Dichloroethane	1.016	1.086	0.1	6.89	20
cis-1,2-Dichloroethene	0.669	0.701		4.78	20
1,1,1-Trichloroethane	0.975	0.976		0.1	20
Benzene	1.398	1.441		3.08	20
1,2-Dichloroethane	0.495	0.558		12.73	20
Trichloroethene	0.365	0.370		1.37	20
1,1,2-Trichloroethane	0.339	0.389		14.75	20
Tetrachloroethene	0.364	0.345		-5.22	20
1,2-Dichloroethane-d4	0.671	0.665		-0.89	20
Dibromofluoromethane	0.344	0.346		0.58	20
Toluene-d8	1.207	1.218		0.91	20
4-Bromofluorobenzene	0.416	0.450		8.17	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\VX120525\
Data File : VX048731.D
Acq On : 05 Dec 2025 13:32
Operator : JC/MD
Sample : Q3757-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-14A-17.5-120325

Quant Time: Dec 05 22:03:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

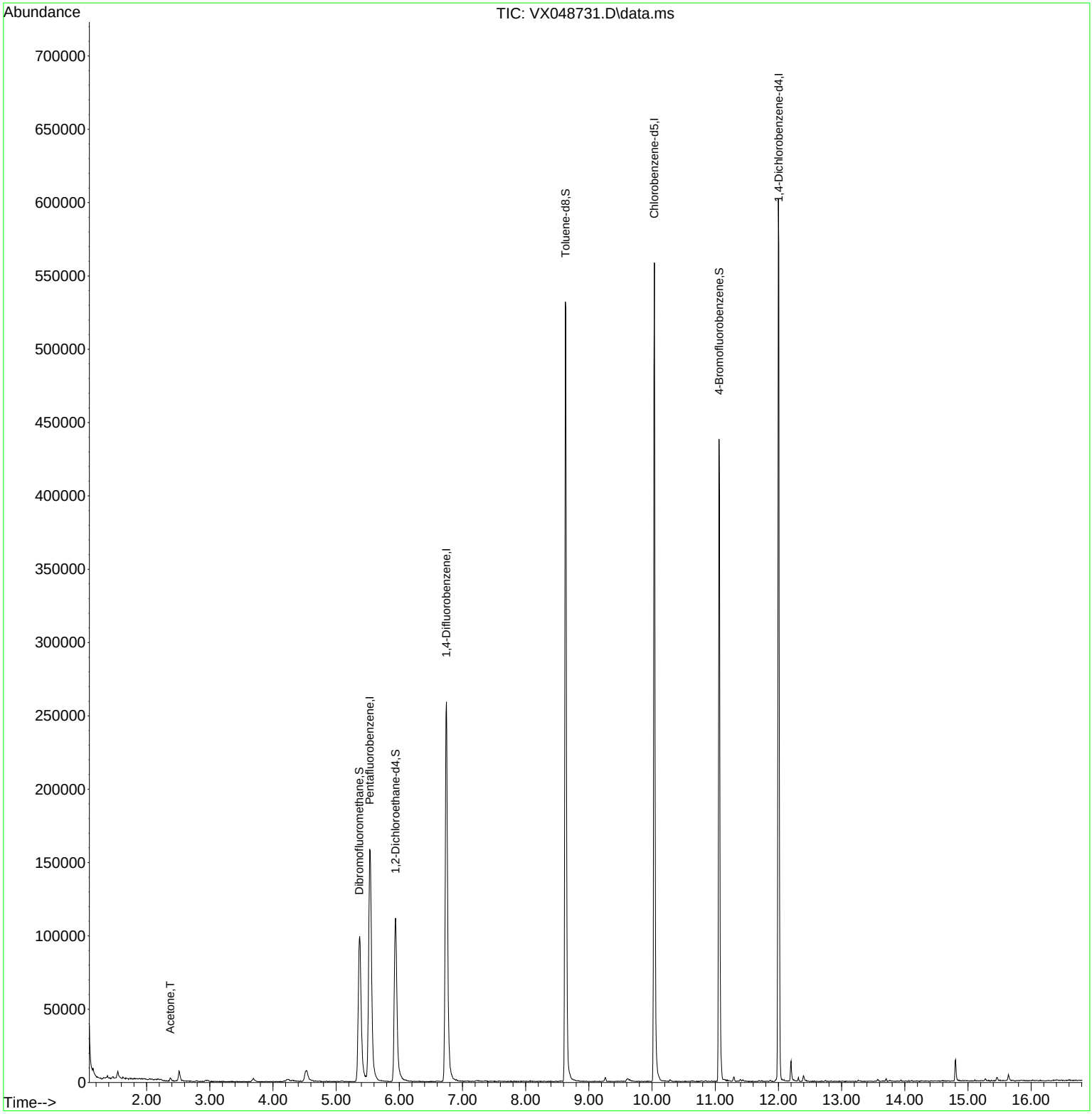
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	176619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	302604	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	274042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	124177	52.383	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.760%			
35) Dibromofluoromethane	5.367	113	103142	49.503	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.000%			
50) Toluene-d8	8.628	98	355343	48.654	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.300%			
62) 4-Bromofluorobenzene	11.061	95	125871	49.979	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.960%			
Target Compounds						Qvalue
16) Acetone	2.373	43	3056	3.368	ug/l	95

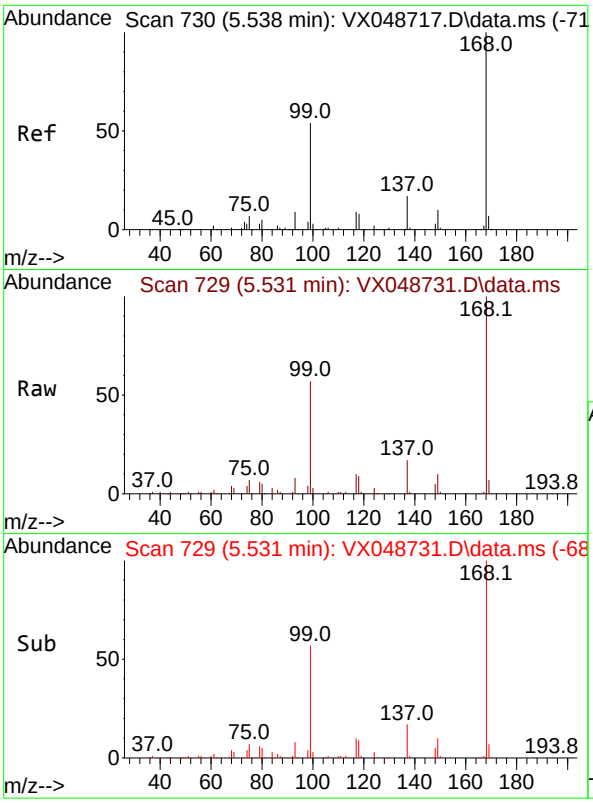
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048731.D
Acq On : 05 Dec 2025 13:32
Operator : JC/MD
Sample : Q3757-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-14A-17.5-120325

Quant Time: Dec 05 22:03:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



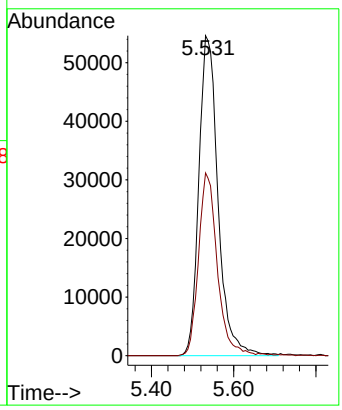


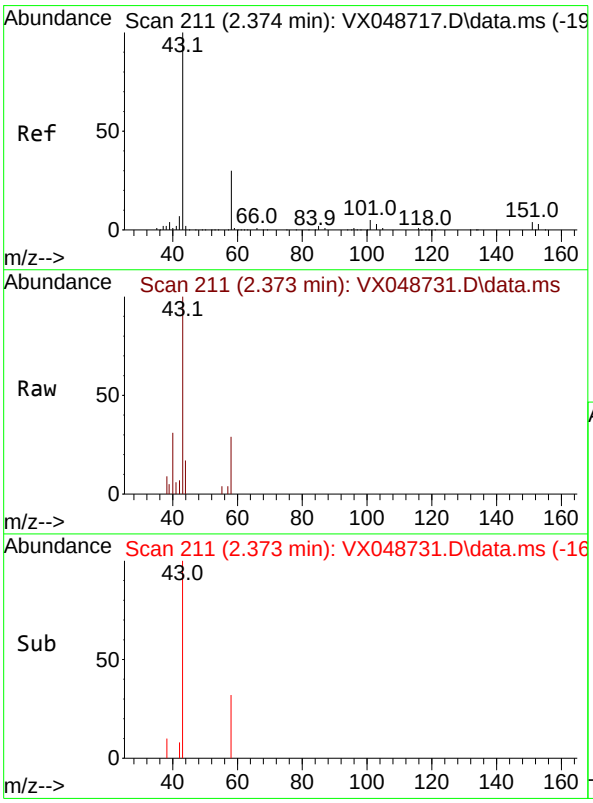
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048731.D
Acq: 05 Dec 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
MW-14A-17.5-120325

Tgt Ion:168 Resp: 176619

Ion	Ratio	Lower	Upper
168	100		
99	57.1	44.2	66.4

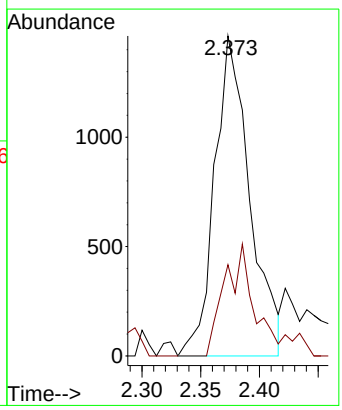




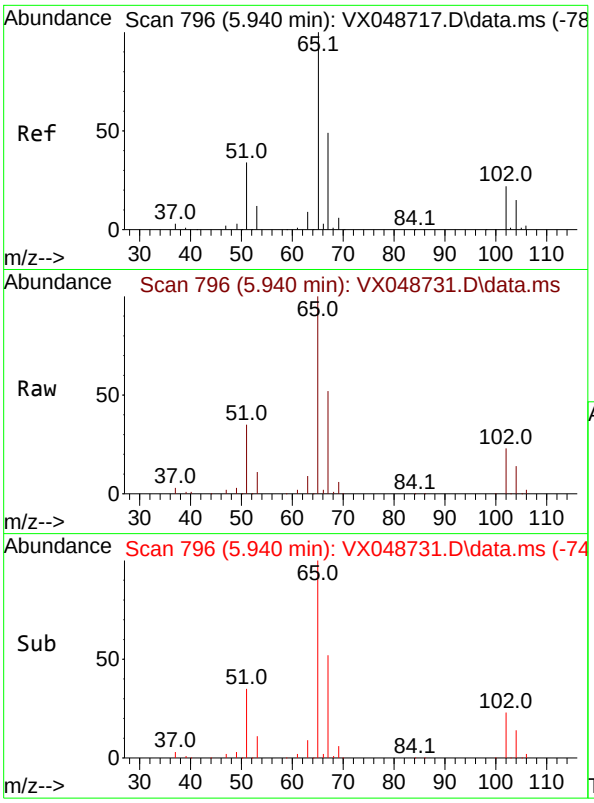
#16
Acetone
Concen: 3.368 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048731.D
Acq: 05 Dec 2025 13:32

Tgt Ion: 43 Resp: 3056

Ion	Ratio	Lower	Upper
43	100		
58	28.5	25.0	37.4



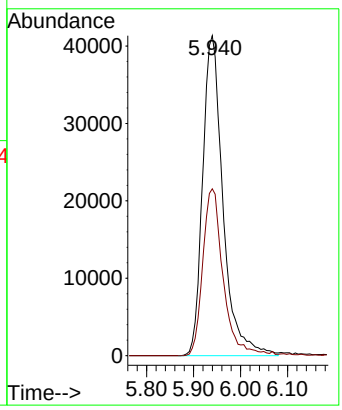
Instrument :
MSVOA_X
ClientSampleId :
MW-14A-17.5-120325

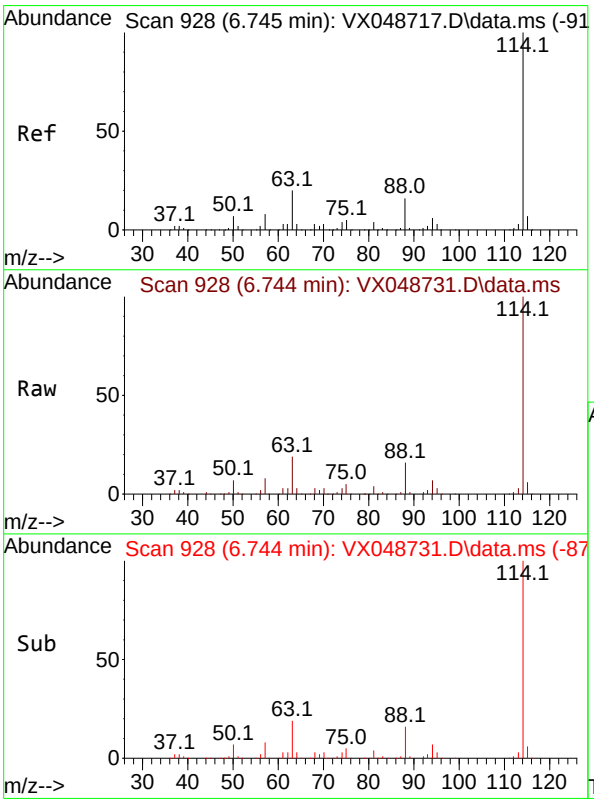


#33
1,2-Dichloroethane-d4
Concen: 52.383 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048731.D
Acq: 05 Dec 2025 13:32

Tgt Ion: 65 Resp: 124177

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	107.4

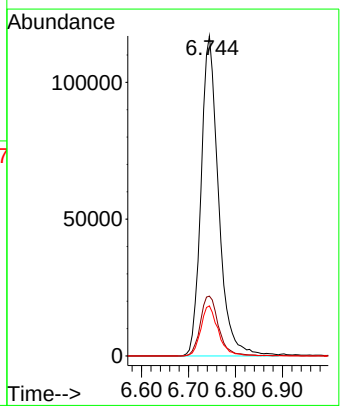


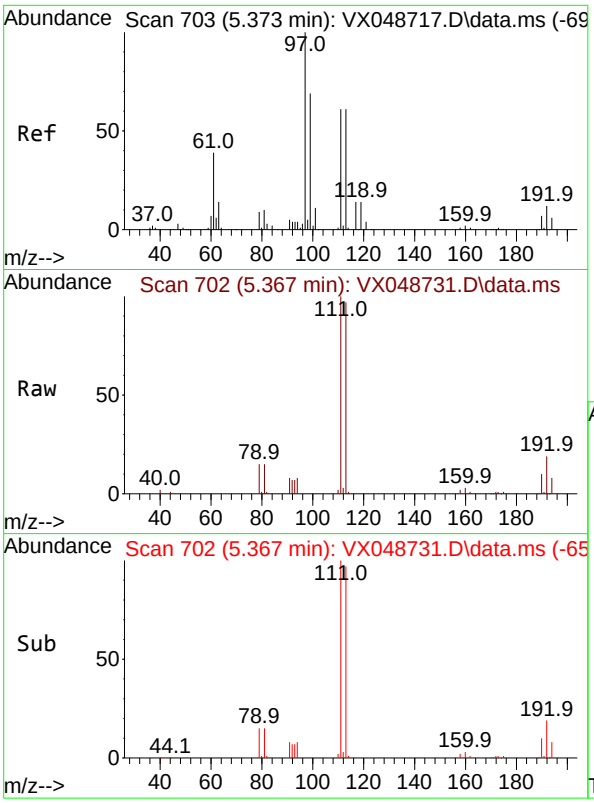


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048731.D
Acq: 05 Dec 2025 13:32

Tgt Ion:114 Resp: 302604

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	39.0
88	15.7	0.0	31.8



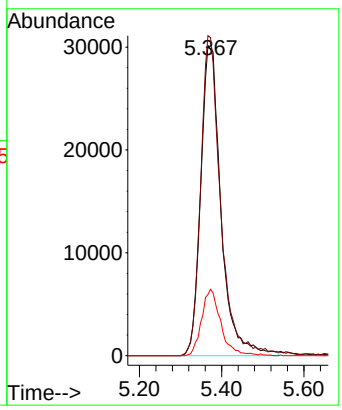


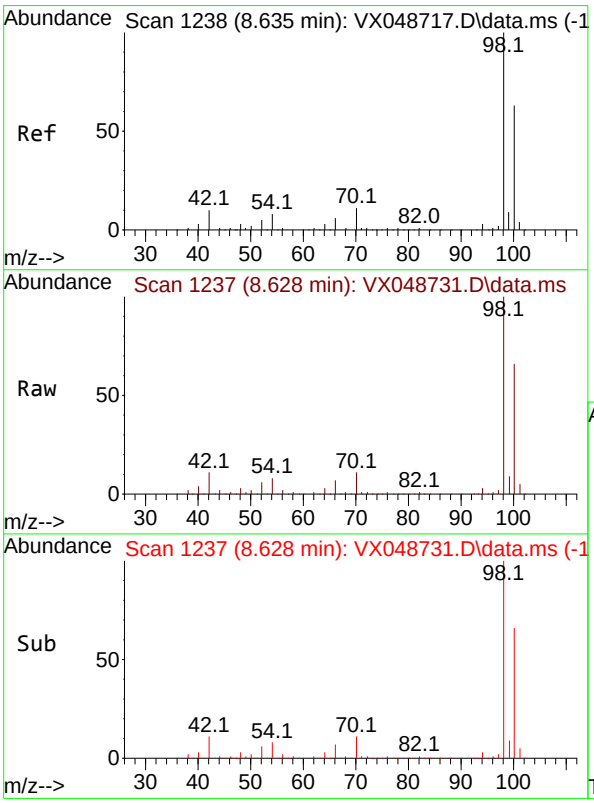
#35
Dibromofluoromethane
Concen: 49.503 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048731.D
Acq: 05 Dec 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
MW-14A-17.5-120325

Tgt Ion:113 Resp: 103142

Ion	Ratio	Lower	Upper
113	100		
111	102.1	79.5	119.3
192	20.2	16.1	24.1

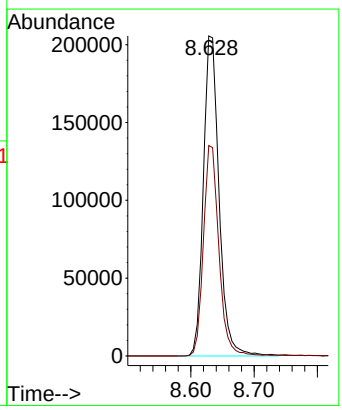




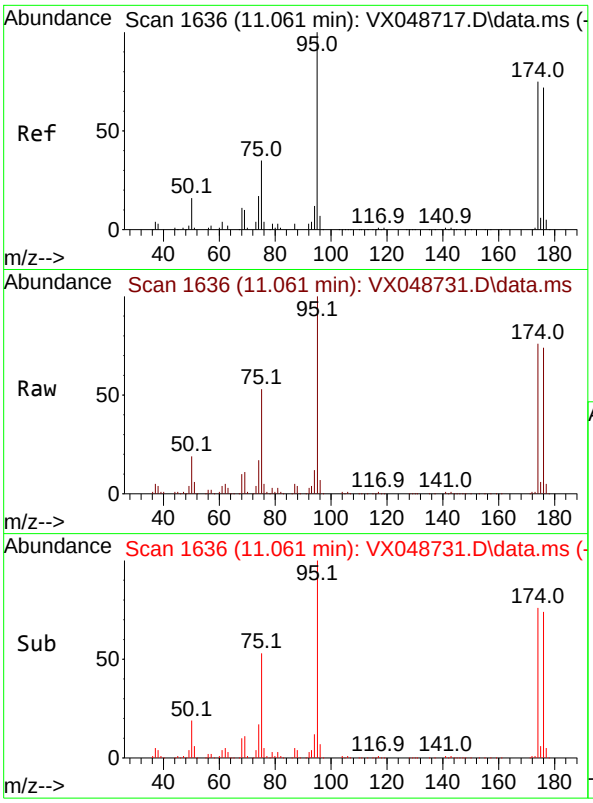
#50
Toluene-d8
Concen: 48.654 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048731.D
Acq: 05 Dec 2025 13:32

Tgt Ion: 98 Resp: 355343

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.4	80.0



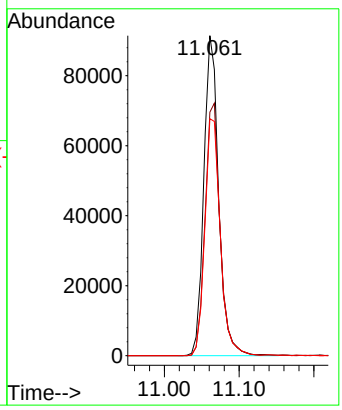
Instrument :
MSVOA_X
ClientSampleId :
MW-14A-17.5-120325

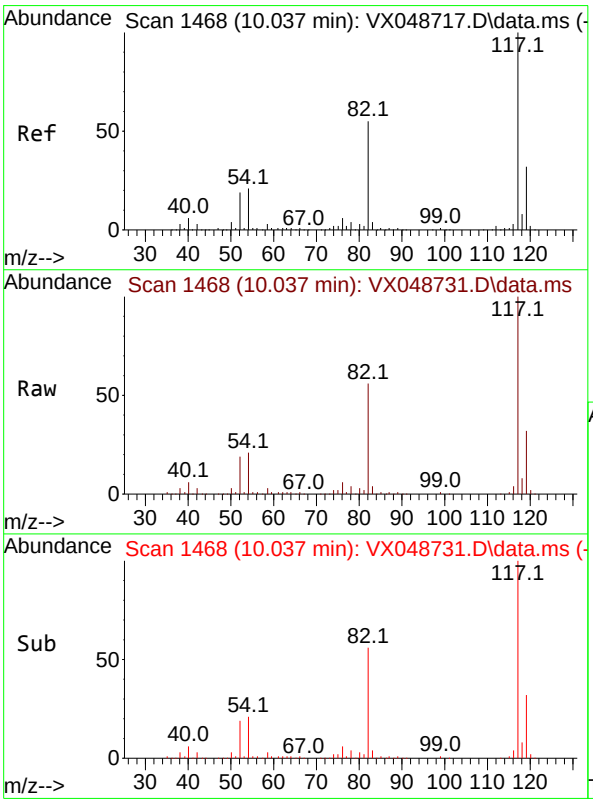


#62
4-Bromofluorobenzene
Concen: 49.979 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048731.D
Acq: 05 Dec 2025 13:32

Tgt Ion: 95 Resp: 125871

Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	157.8
176	77.3	0.0	154.0

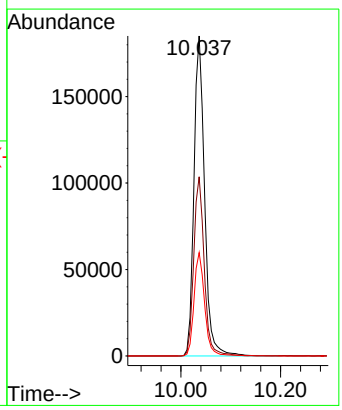


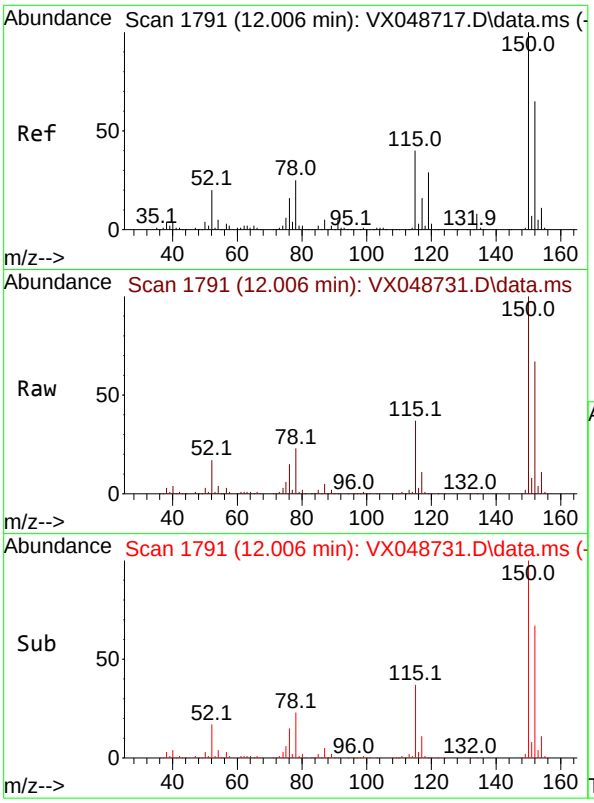


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048731.D
Acq: 05 Dec 2025 13:32

Tgt Ion:117 Resp: 274042

Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.1	66.1
119	32.3	25.2	37.8



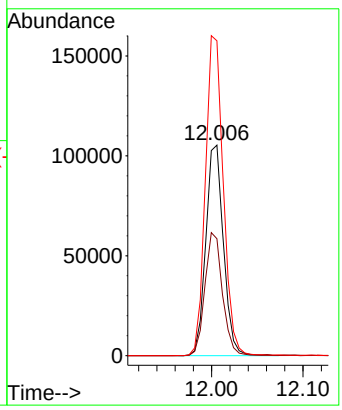


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048731.D
Acq: 05 Dec 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
MW-14A-17.5-120325

Tgt Ion:152 Resp: 141373

Ion	Ratio	Lower	Upper
152	100		
115	58.1	42.1	126.4
150	154.1	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048732.D
Acq On : 05 Dec 2025 13:53
Operator : JC/MD
Sample : Q3757-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

Quant Time: Dec 05 22:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

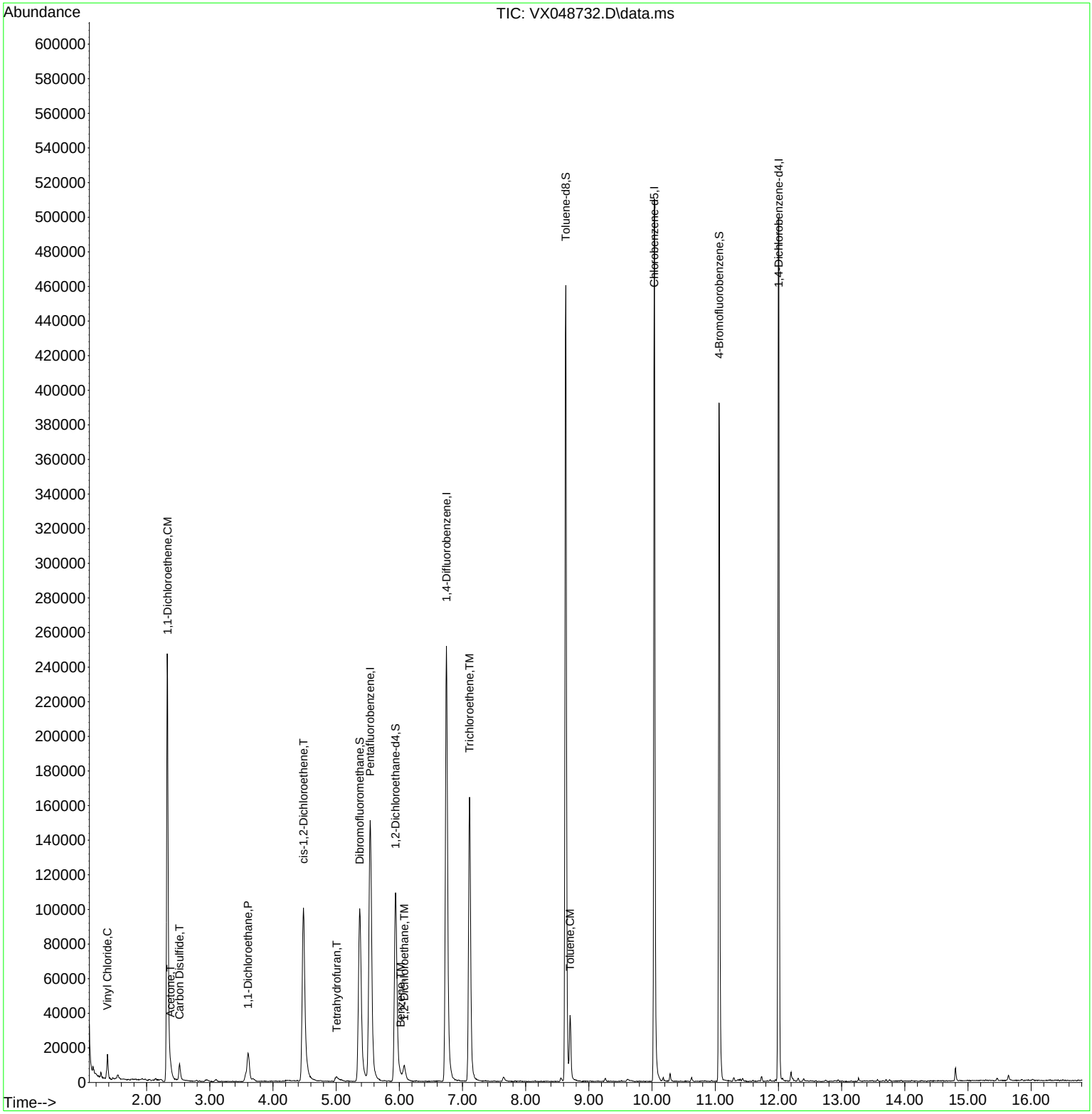
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	163180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	280929	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	230844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	120640	55.082	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.160%			
35) Dibromofluoromethane	5.373	113	100214	51.809	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.620%			
50) Toluene-d8	8.635	98	290658	42.868	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 85.740%#			
62) 4-Bromofluorobenzene	11.061	95	106460	45.533	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.060%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.380	62	8761	3.921	ug/l	95
12) 1,1-Dichloroethene	2.331	96	91225	48.143	ug/l	98
16) Acetone	2.380	43	2388	2.848	ug/l	89
17) Carbon Disulfide	2.520	76	14803	2.690	ug/l #	93
24) 1,1-Dichloroethane	3.605	63	21327	6.432	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	76248	34.939	ug/l	89
29) Tetrahydrofuran	5.007	42	2915	3.085	ug/l #	78
40) Benzene	6.019	78	1766	0.225	ug/l	98
42) 1,2-Dichloroethane	6.080	62	10373	3.732	ug/l	94
44) Trichloroethene	7.110	130	72016	35.143	ug/l	100
52) Toluene	8.702	92	14719	3.108	ug/l	100

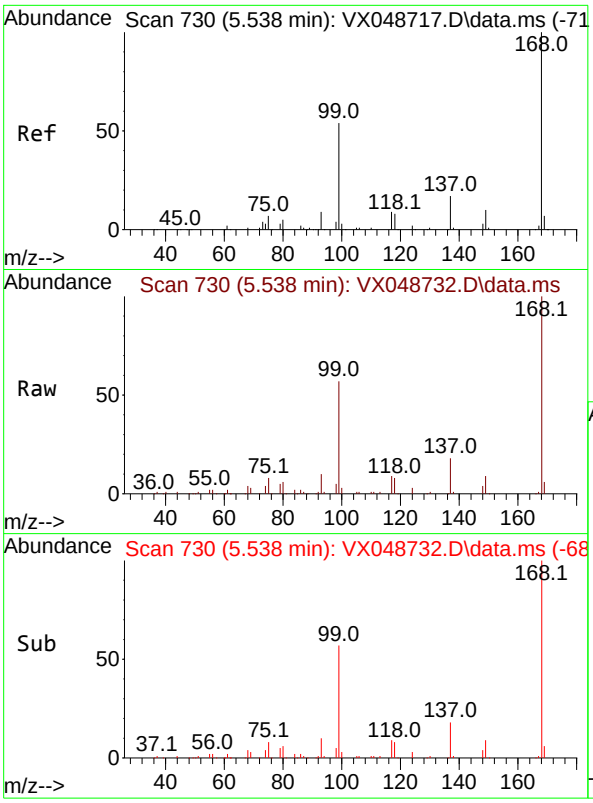
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048732.D
Acq On : 05 Dec 2025 13:53
Operator : JC/MD
Sample : Q3757-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

Quant Time: Dec 05 22:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



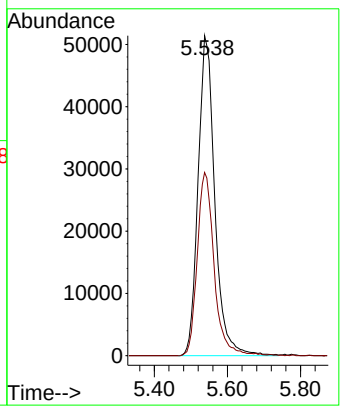


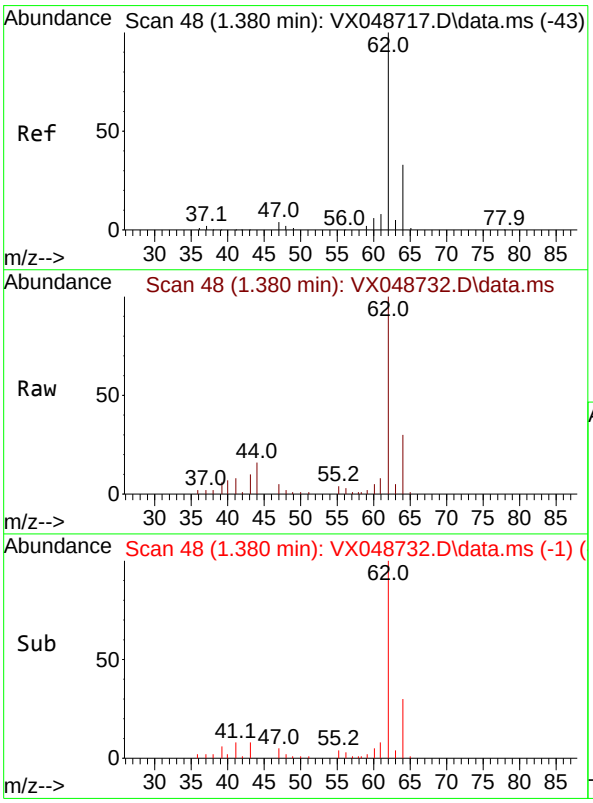
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

Tgt Ion:168 Resp: 163180

Ion	Ratio	Lower	Upper
168	100		
99	57.3	44.2	66.4

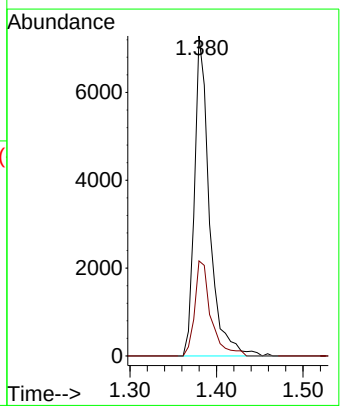


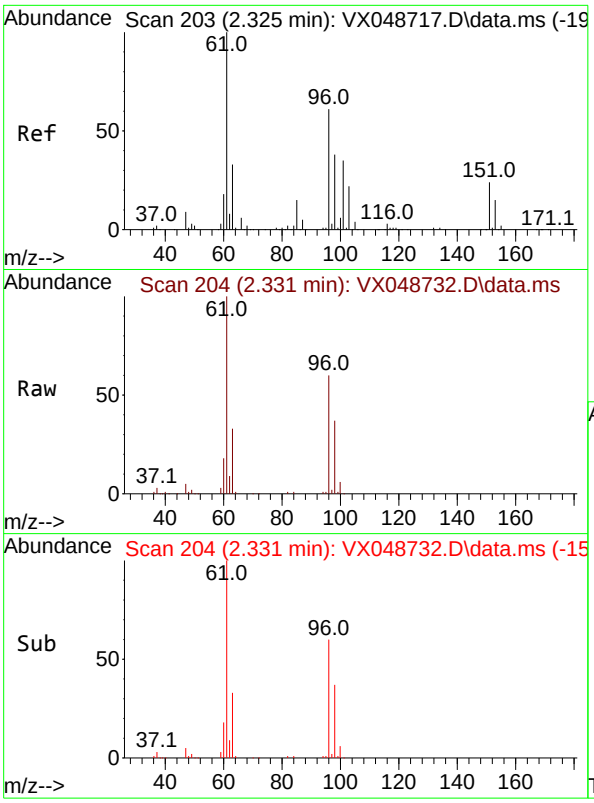


#4
Vinyl Chloride
Concen: 3.921 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Tgt Ion: 62 Resp: 8761

Ion	Ratio	Lower	Upper
62	100		
64	29.7	26.0	39.0



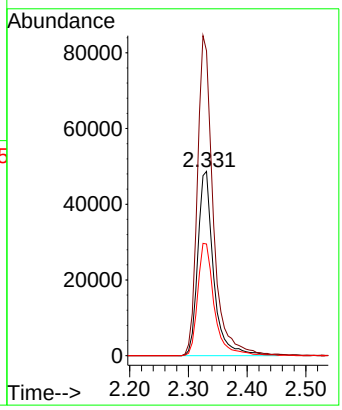


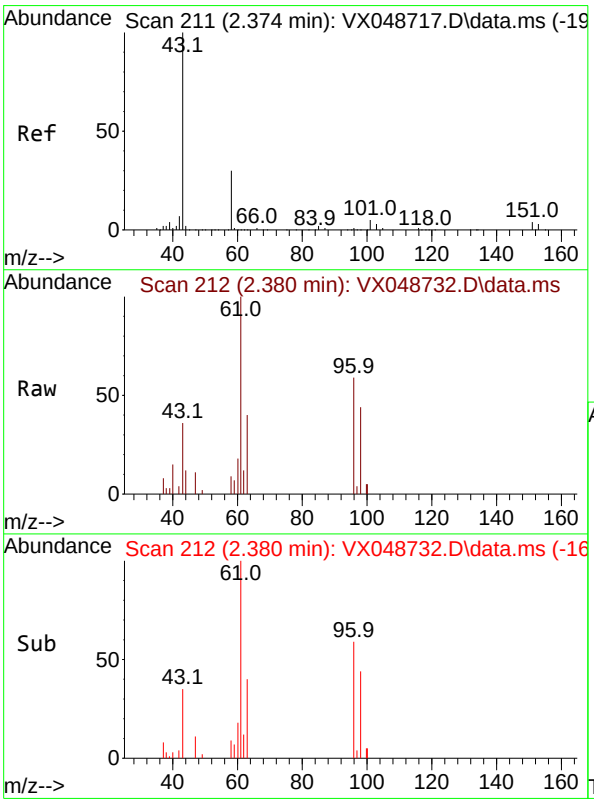
#12
1,1-Dichloroethene
Concen: 48.143 ug/l
RT: 2.331 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

Tgt Ion: 96 Resp: 91225

Ion	Ratio	Lower	Upper
96	100		
61	165.4	130.7	196.1
98	60.6	49.8	74.8

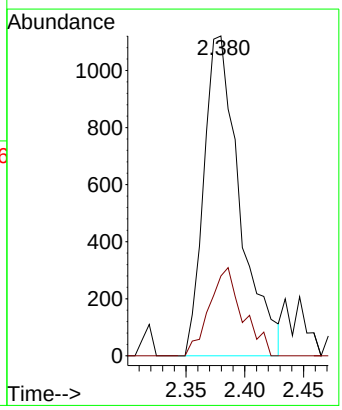


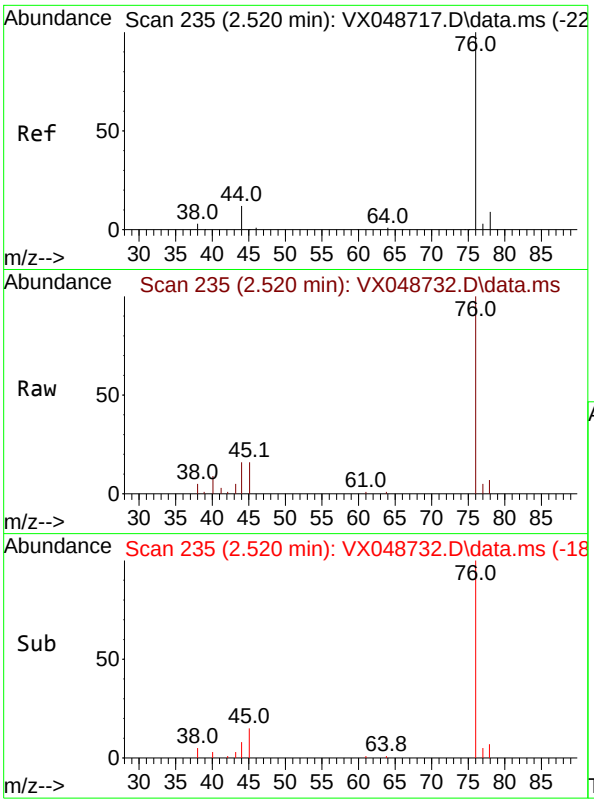


#16
Acetone
Concen: 2.848 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Tgt Ion: 43 Resp: 2388

Ion	Ratio	Lower	Upper
43	100		
58	25.0	25.0	37.4



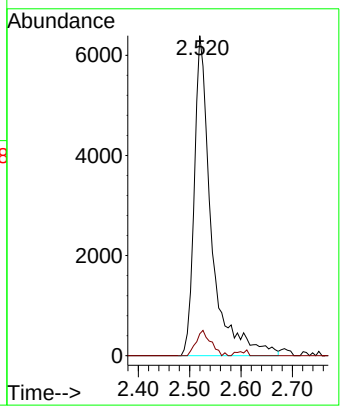


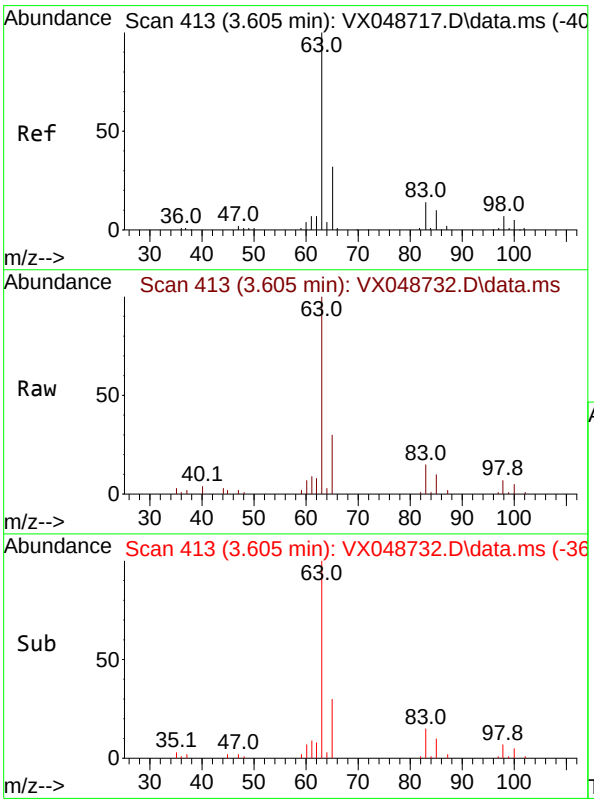
#17
Carbon Disulfide
Concen: 2.690 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

Tgt Ion: 76 Resp: 14803

Ion	Ratio	Lower	Upper
76	100		
78	6.8	7.4	11.2#

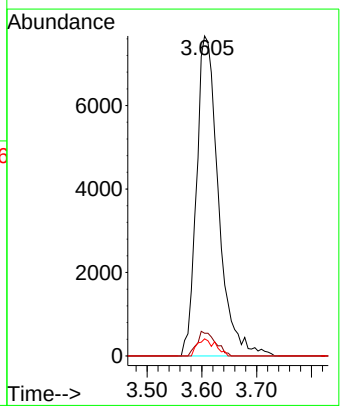


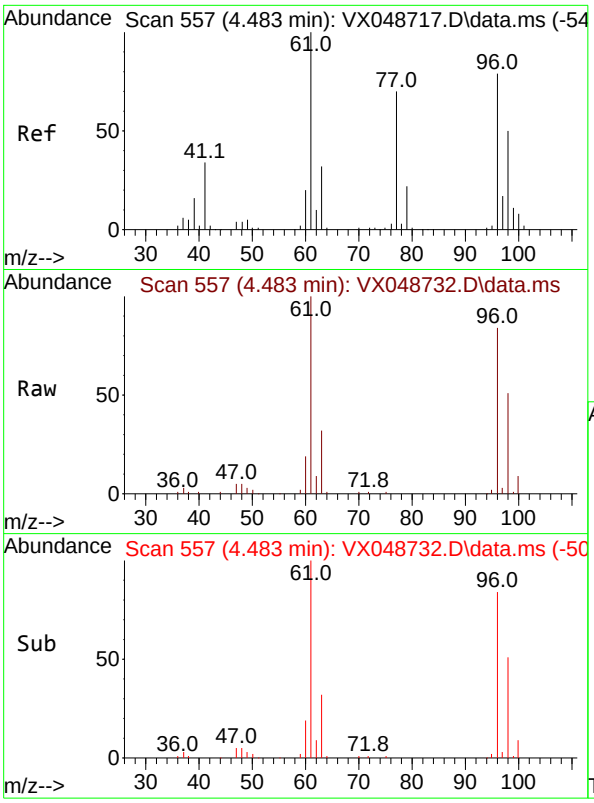


#24
1,1-Dichloroethane
Concen: 6.432 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Tgt Ion: 63 Resp: 21327

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.6
100	5.4	2.5	7.4



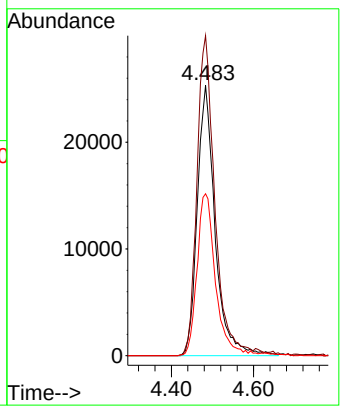


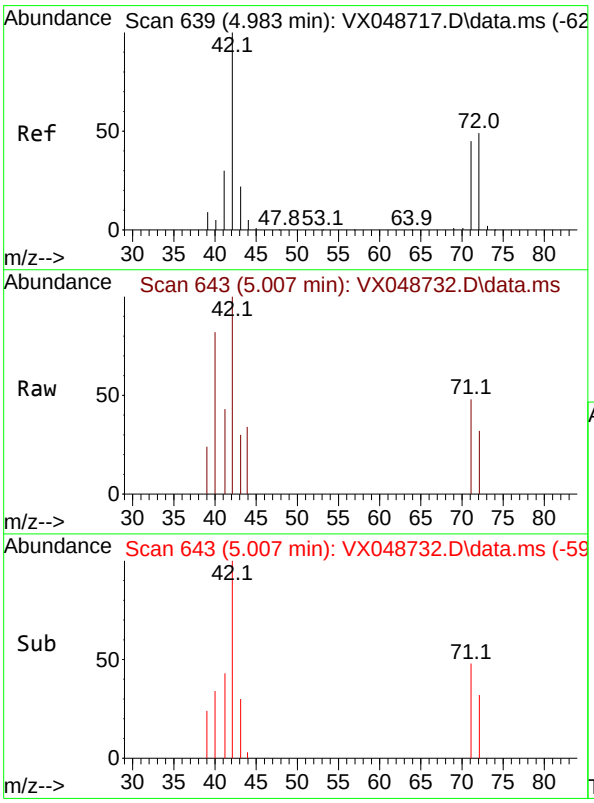
#27
cis-1,2-Dichloroethene
Concen: 34.939 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

Tgt Ion: 96 Resp: 76248

Ion	Ratio	Lower	Upper
96	100		
61	118.2	0.0	271.0
98	62.0	0.0	130.2

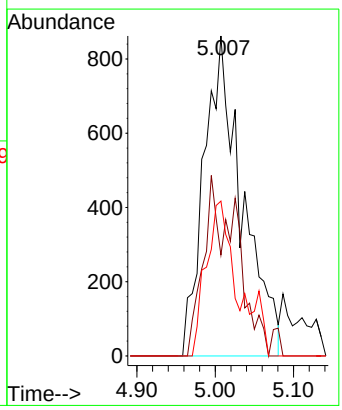


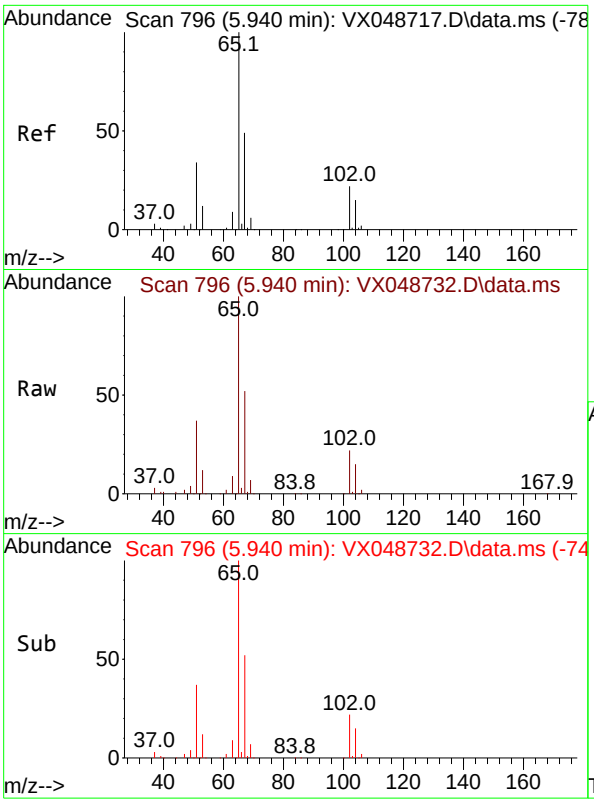


#29
Tetrahydrofuran
Concen: 3.085 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.024 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Tgt Ion: 42 Resp: 2915

Ion	Ratio	Lower	Upper
42	100		
72	24.0	39.4	59.2#
71	40.5	35.8	53.6



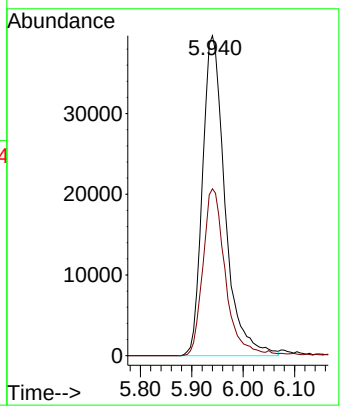


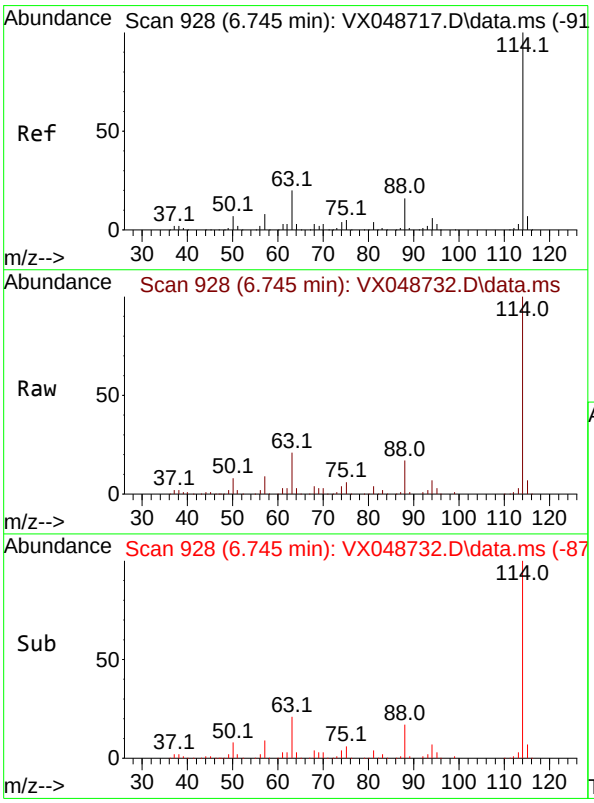
#33
1,2-Dichloroethane-d4
Concen: 55.082 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

Tgt Ion: 65 Resp: 120640

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	107.4

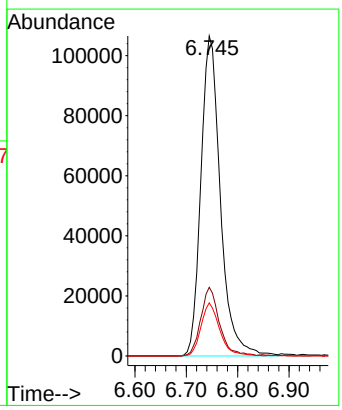


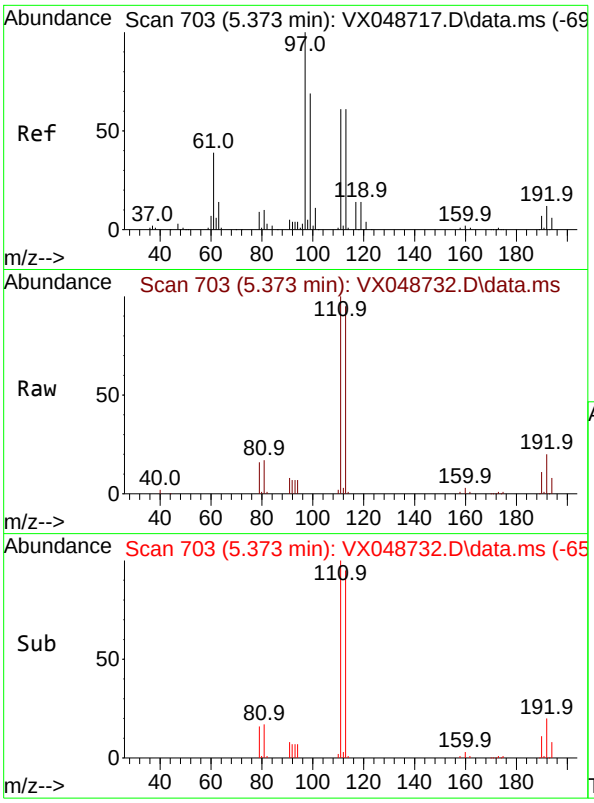


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Tgt Ion:114 Resp: 280929

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	39.0
88	16.6	0.0	31.8



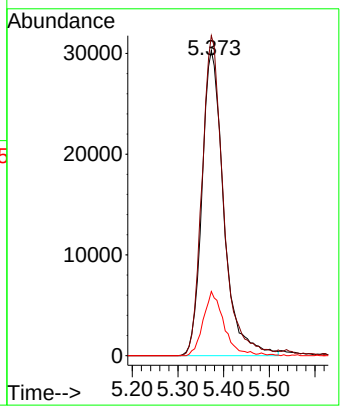


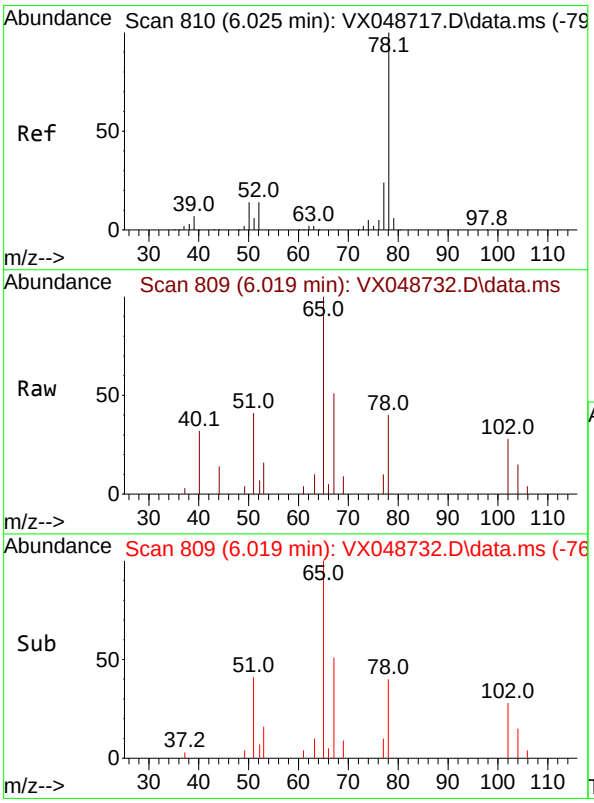
#35
Dibromofluoromethane
Concen: 51.809 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

Tgt Ion:113 Resp: 100214

Ion	Ratio	Lower	Upper
113	100		
111	102.9	79.5	119.3
192	19.9	16.1	24.1

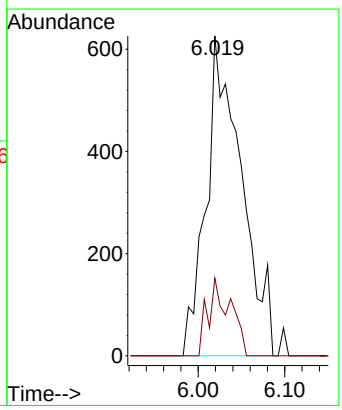




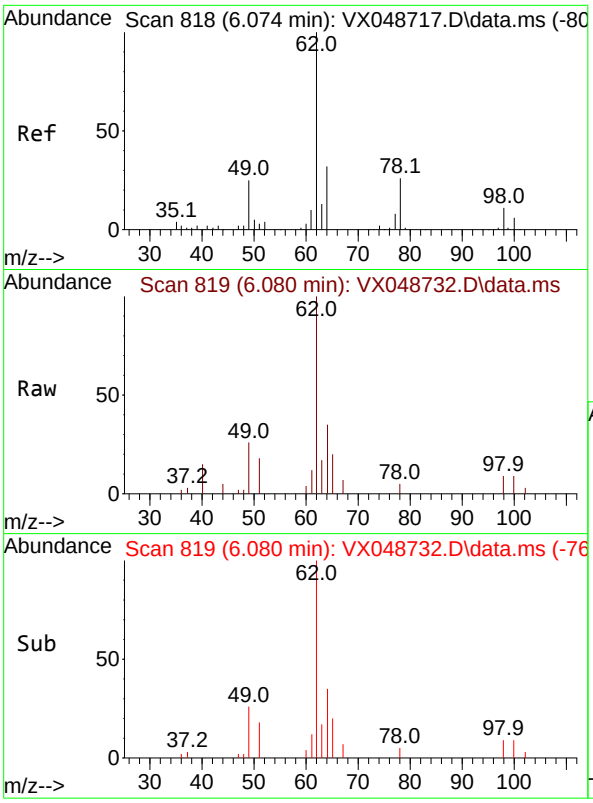
#40
Benzene
Concen: 0.225 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Tgt Ion: 78 Resp: 1766

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2



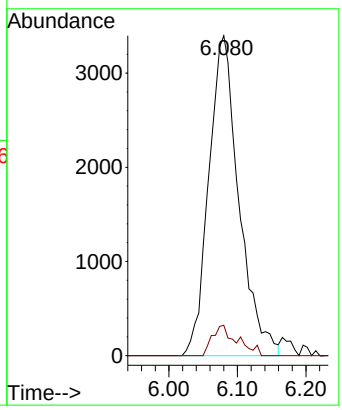
Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

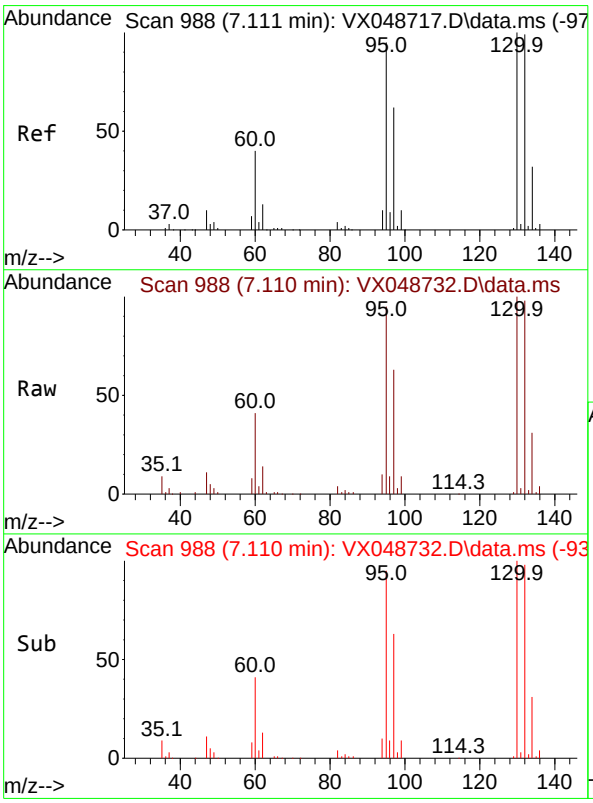


#42
1,2-Dichloroethane
Concen: 3.732 ug/l
RT: 6.080 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Tgt Ion: 62 Resp: 10373

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	20.2

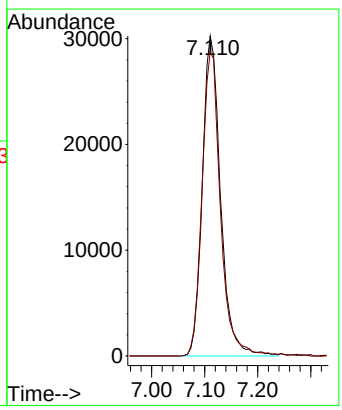


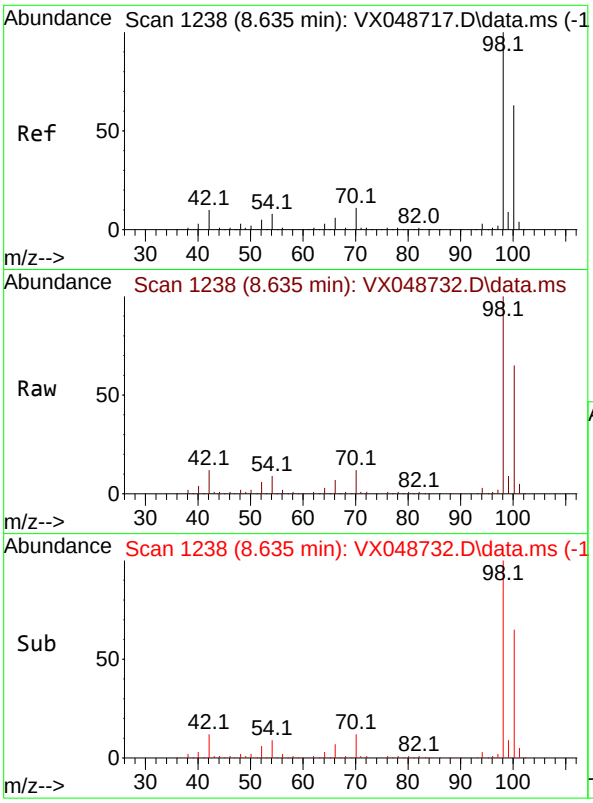


#44
Trichloroethene
Concen: 35.143 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Tgt Ion:130 Resp: 72016

Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	189.6



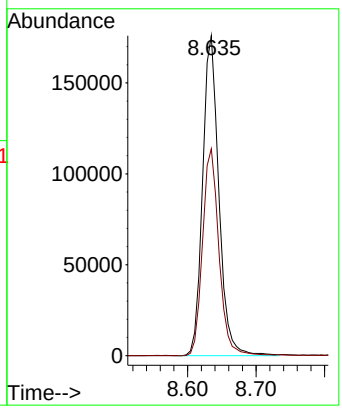


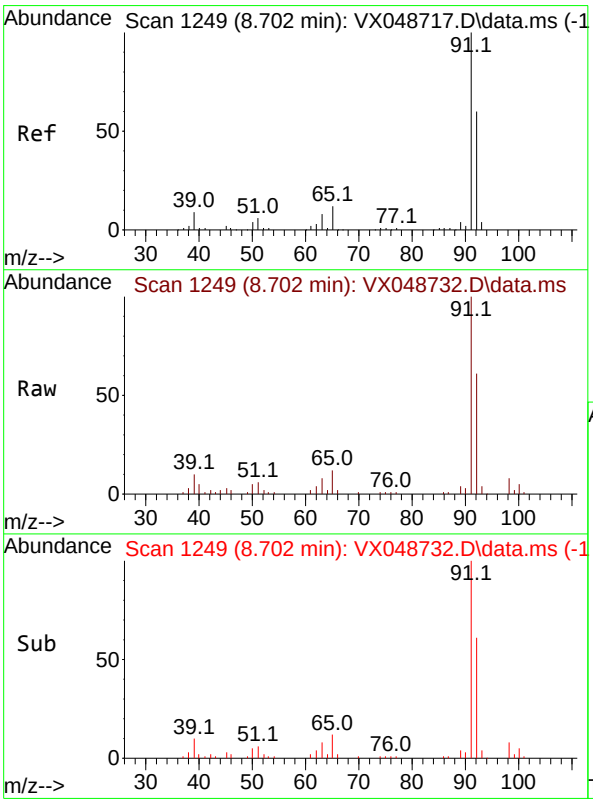
#50
Toluene-d8
Concen: 42.868 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

Tgt Ion: 98 Resp: 290658

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.4	80.0

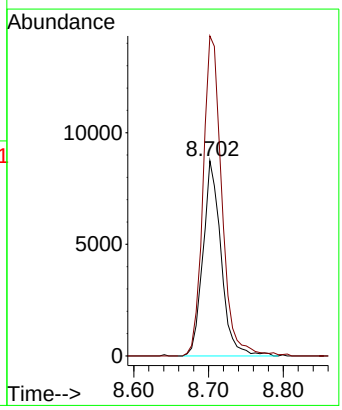


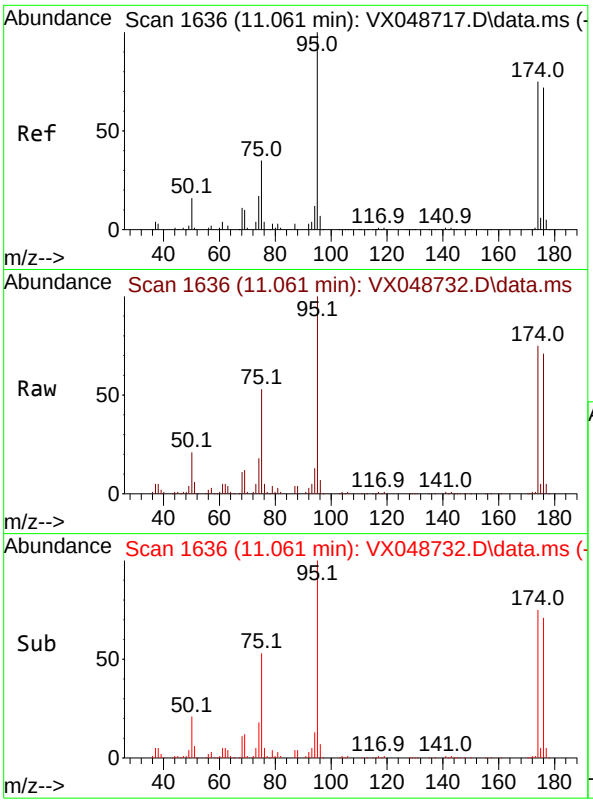


#52
Toluene
Concen: 3.108 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Tgt Ion: 92 Resp: 14719

Ion	Ratio	Lower	Upper
92	100		
91	169.9	136.3	204.5



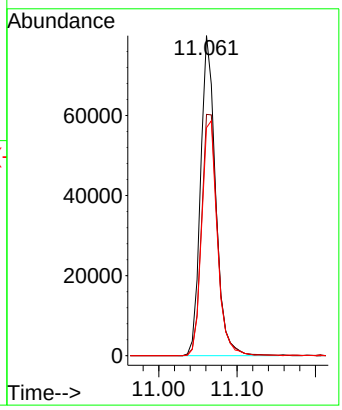


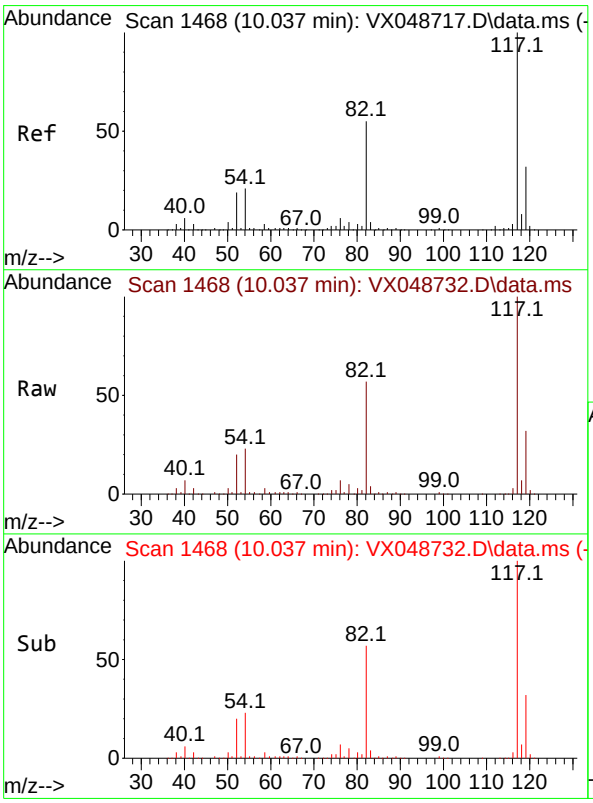
#62
4-Bromofluorobenzene
Concen: 45.533 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

Tgt Ion: 95 Resp: 106460

Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	157.8
176	76.6	0.0	154.0

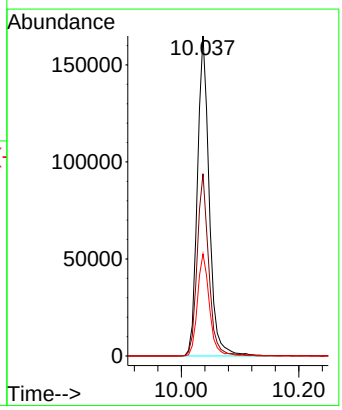


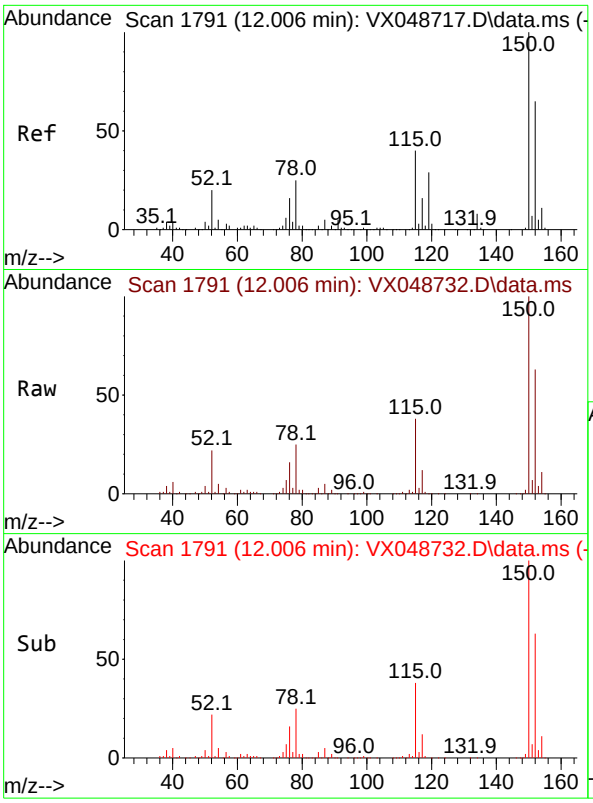


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Tgt Ion:117 Resp: 230844

Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.1	66.1
119	31.9	25.2	37.8



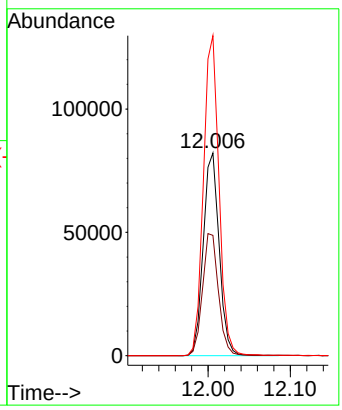


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

Tgt Ion:152 Resp: 110489

Ion	Ratio	Lower	Upper
152	100		
115	60.4	42.1	126.4
150	154.7	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048733.D
Acq On : 05 Dec 2025 14:13
Operator : JC/MD
Sample : Q3757-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325

Quant Time: Dec 05 22:04:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

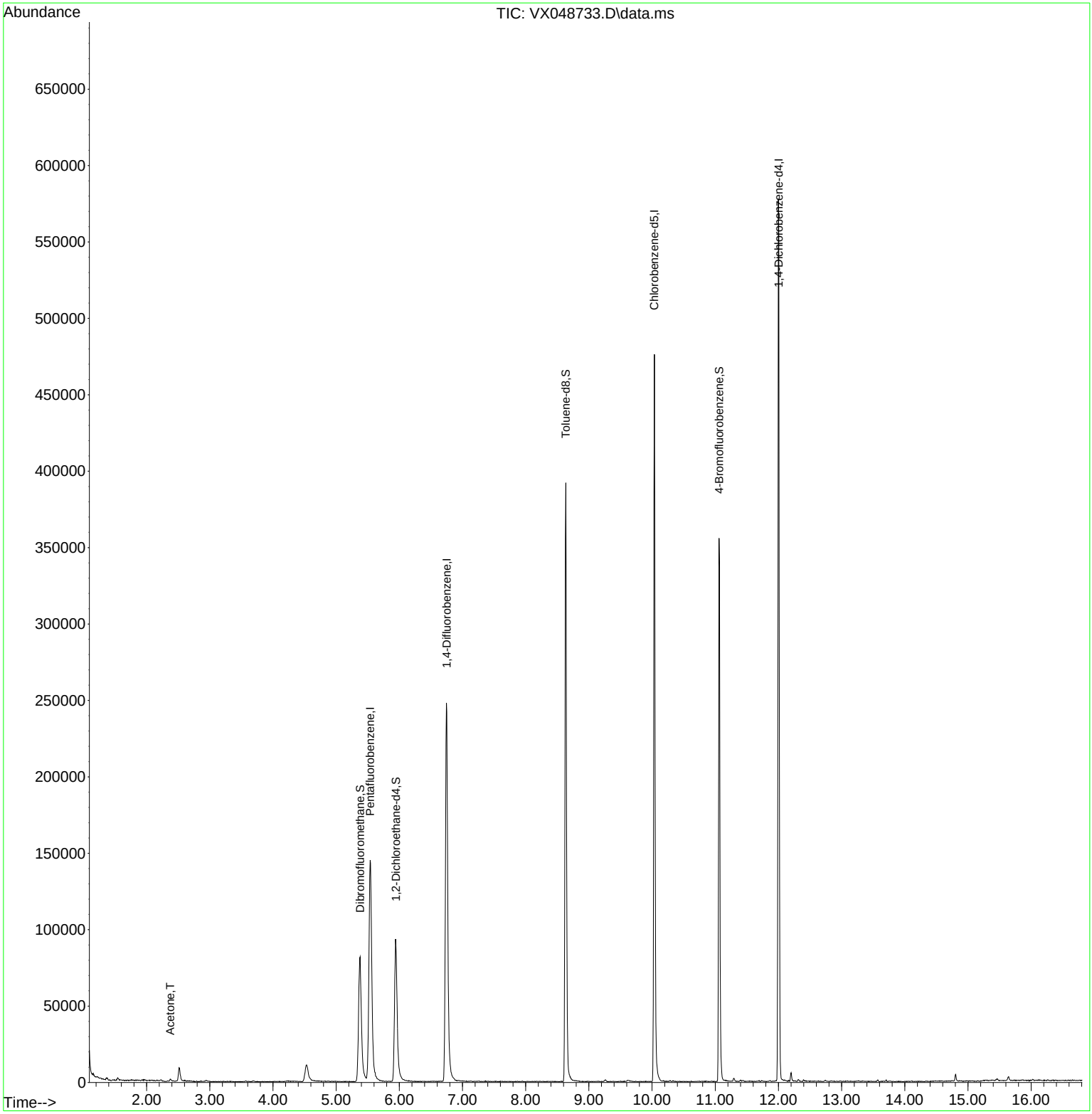
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	161591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	286549	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	220300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	102428	47.227	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.460%		
35) Dibromofluoromethane	5.379	113	80744	40.924	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	81.840%		
50) Toluene-d8	8.634	98	244075	35.291	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	70.580%#		
62) 4-Bromofluorobenzene	11.061	95	103850	43.546	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.100%		
Target Compounds						Qvalue
16) Acetone	2.373	43	2569	3.094	ug/l	100

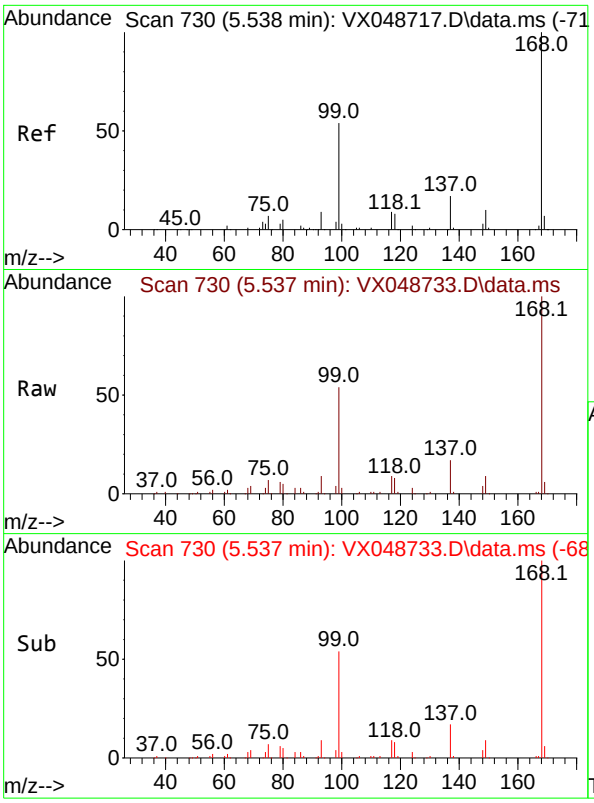
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048733.D
Acq On : 05 Dec 2025 14:13
Operator : JC/MD
Sample : Q3757-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325

Quant Time: Dec 05 22:04:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



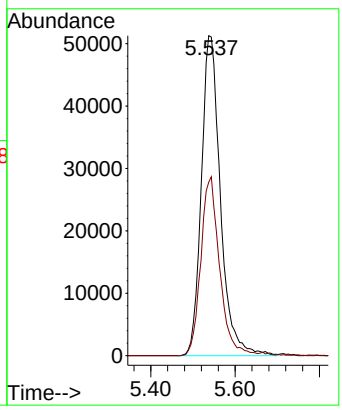


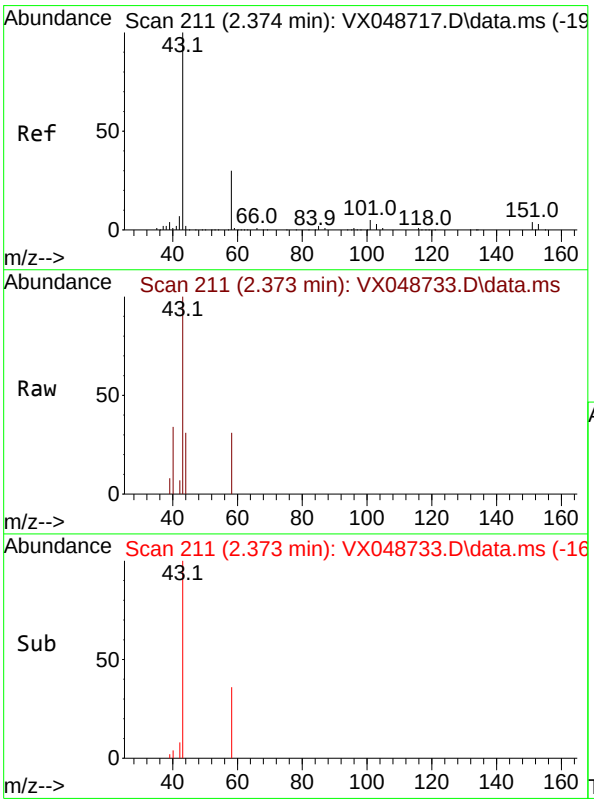
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX048733.D
Acq: 05 Dec 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325

Tgt Ion:168 Resp: 161591

Ion	Ratio	Lower	Upper
168	100		
99	54.2	44.2	66.4

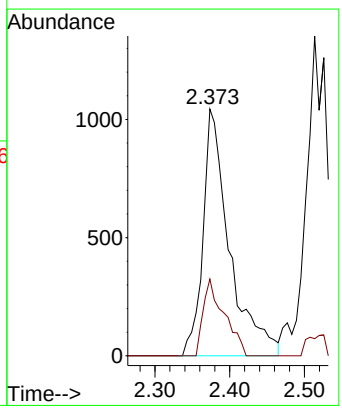




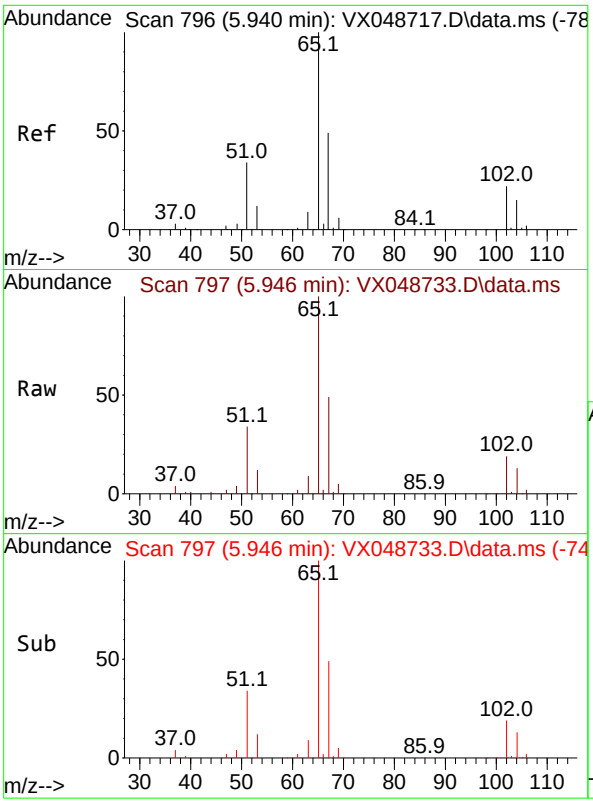
#16
Acetone
Concen: 3.094 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048733.D
Acq: 05 Dec 2025 14:13

Tgt Ion: 43 Resp: 2569

Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.0	37.4



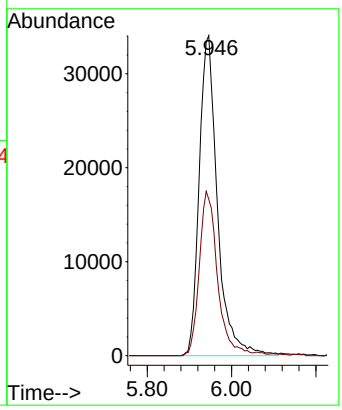
Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325

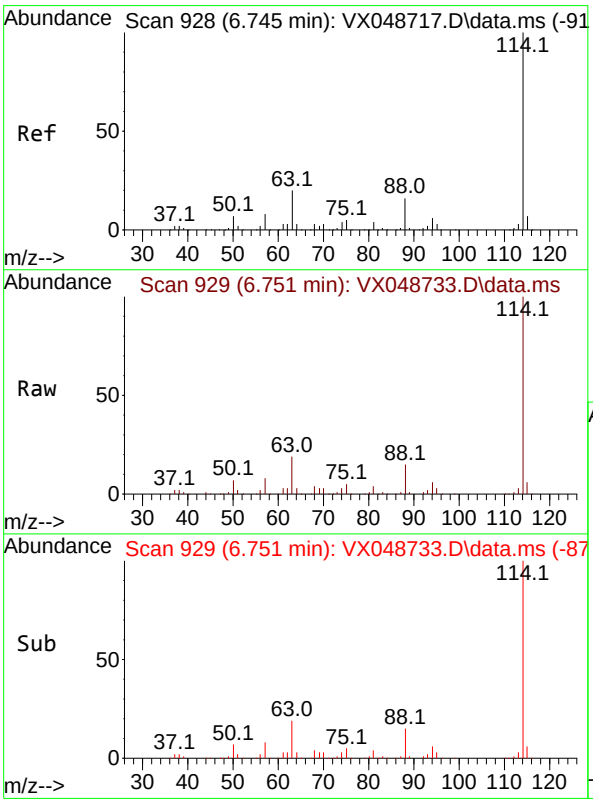


#33
1,2-Dichloroethane-d4
Concen: 47.227 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048733.D
Acq: 05 Dec 2025 14:13

Tgt Ion: 65 Resp: 102428

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	107.4

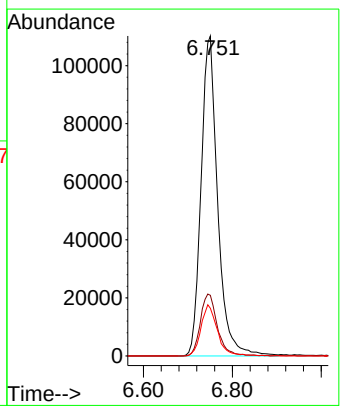


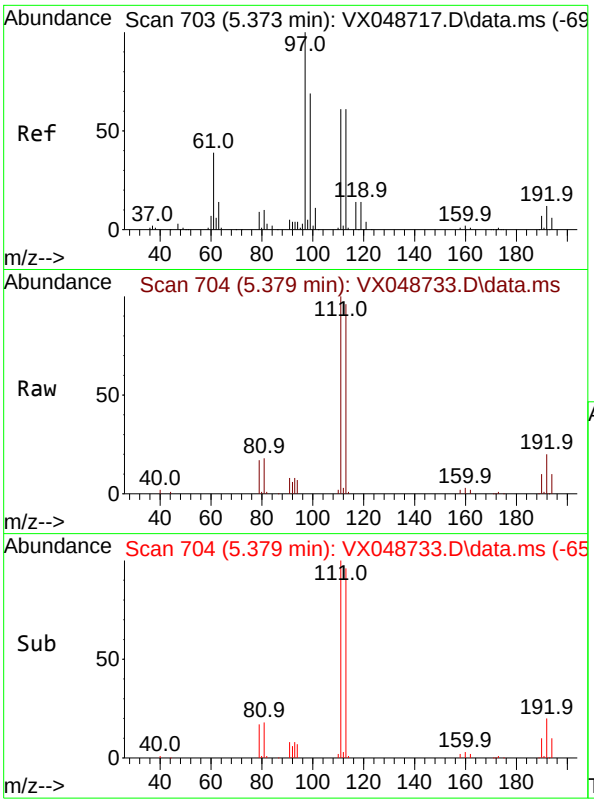


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048733.D
Acq: 05 Dec 2025 14:13

Tgt Ion:114 Resp: 286549

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.0
88	14.9	0.0	31.8



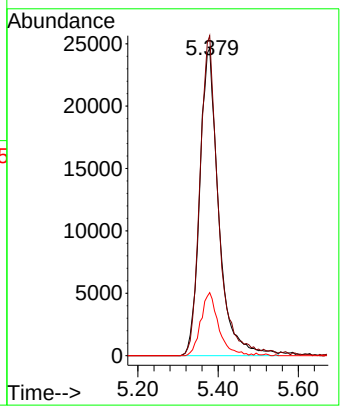


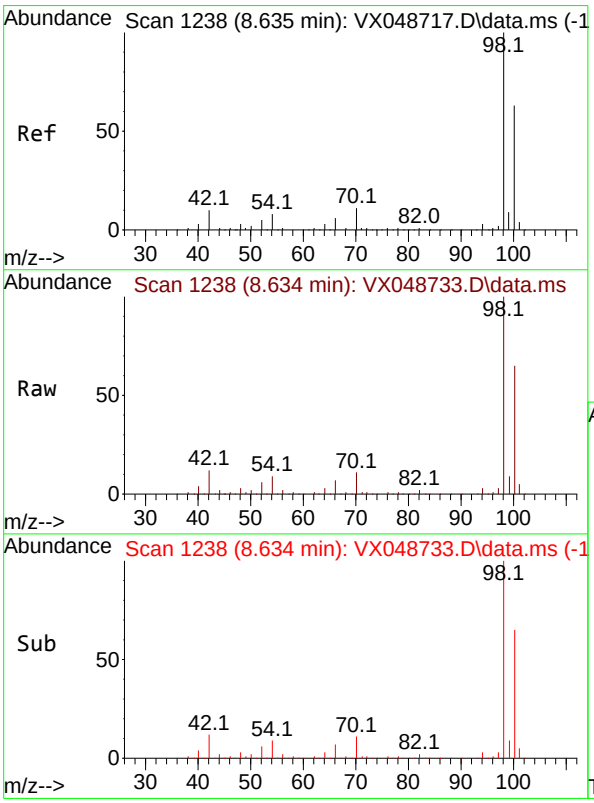
#35
Dibromofluoromethane
Concen: 40.924 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048733.D
Acq: 05 Dec 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325

Tgt Ion:113 Resp: 80744

Ion	Ratio	Lower	Upper
113	100		
111	101.6	79.5	119.3
192	19.3	16.1	24.1

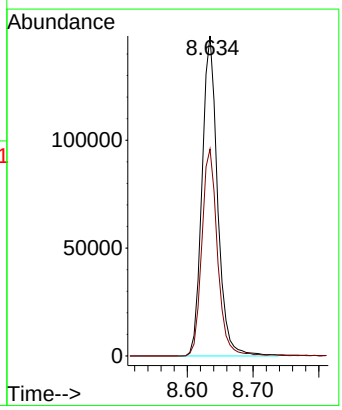


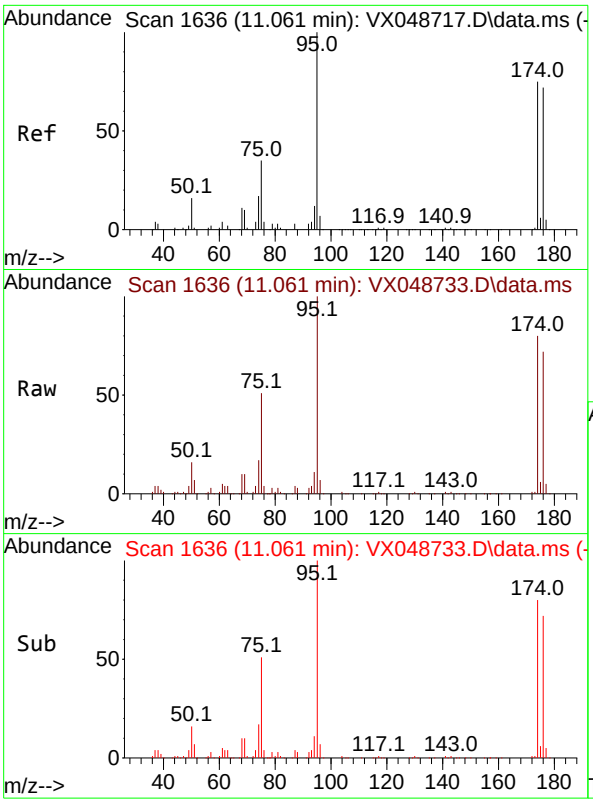


#50
Toluene-d8
Concen: 35.291 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048733.D
Acq: 05 Dec 2025 14:13

Tgt Ion: 98 Resp: 244075

Ion	Ratio	Lower	Upper
98	100		
100	64.9	53.4	80.0



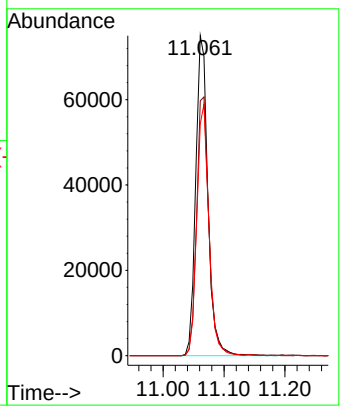


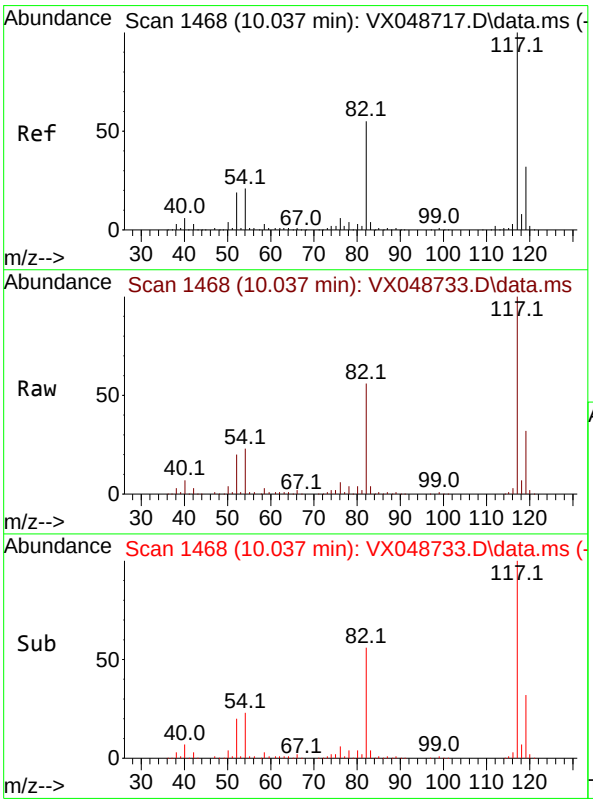
#62
4-Bromofluorobenzene
Concen: 43.546 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048733.D
Acq: 05 Dec 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325

Tgt Ion: 95 Resp: 103850

Ion	Ratio	Lower	Upper
95	100		
174	81.4	0.0	157.8
176	78.1	0.0	154.0

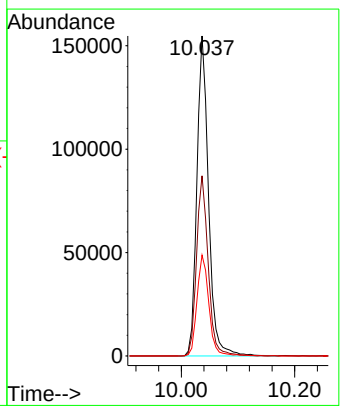


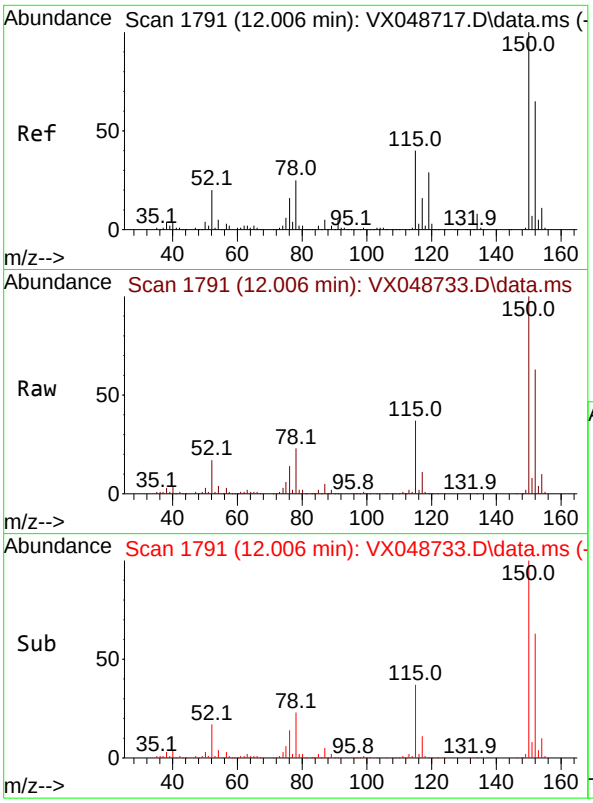


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048733.D
Acq: 05 Dec 2025 14:13

Tgt Ion:117 Resp: 220300

Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.1	66.1
119	31.5	25.2	37.8



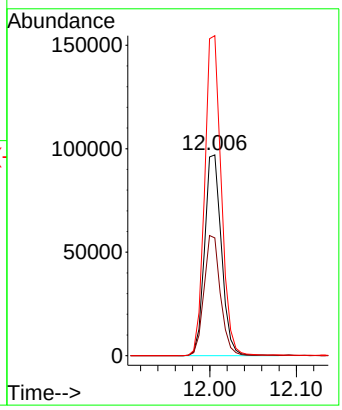


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048733.D
Acq: 05 Dec 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325

Tgt Ion:152 Resp: 131055

Ion	Ratio	Lower	Upper
152	100		
115	58.4	42.1	126.4
150	156.9	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048747.D
Acq On : 08 Dec 2025 12:33
Operator : JC/MD
Sample : Q3757-05RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

Quant Time: Dec 09 04:08:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

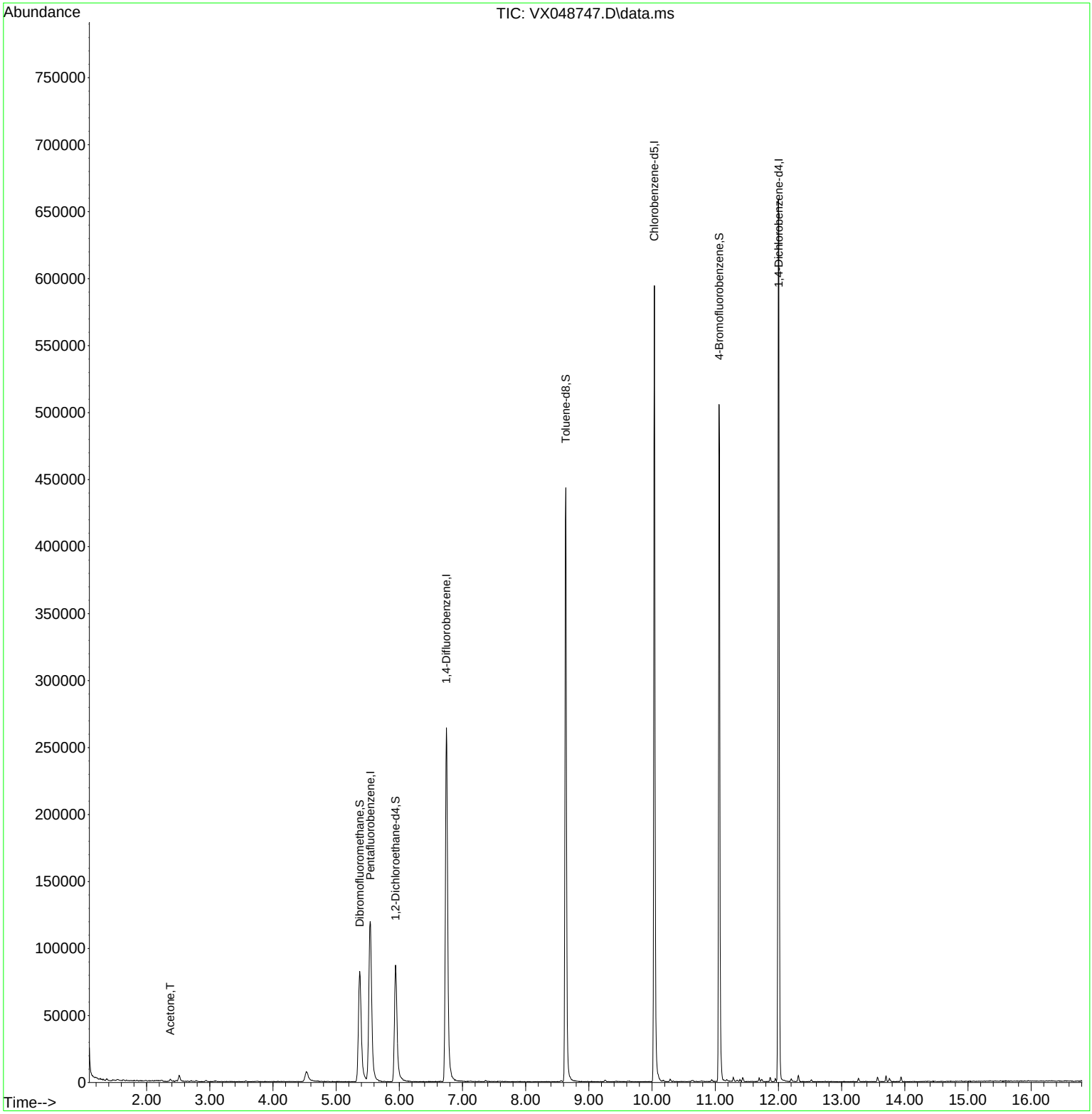
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	124903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	299763	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	268328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	96803	57.744	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.480%			
35) Dibromofluoromethane	5.373	113	79281	38.412	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 76.820%			
50) Toluene-d8	8.635	98	278126	38.442	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 76.880%#			
62) 4-Bromofluorobenzene	11.061	95	141911	56.882	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.760%			
Target Compounds						Qvalue
16) Acetone	2.373	43	2472	3.852	ug/l #	72

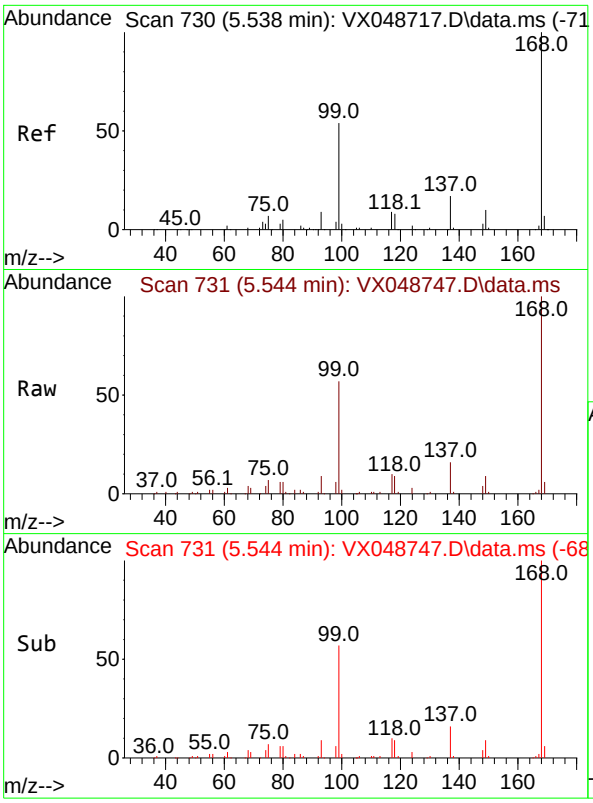
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048747.D
Acq On : 08 Dec 2025 12:33
Operator : JC/MD
Sample : Q3757-05RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

Quant Time: Dec 09 04:08:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



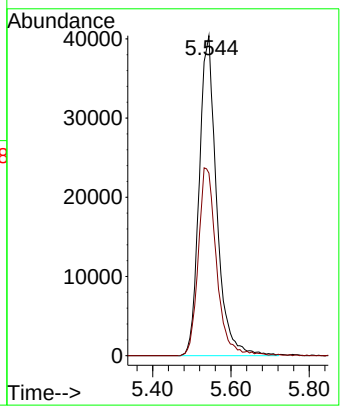


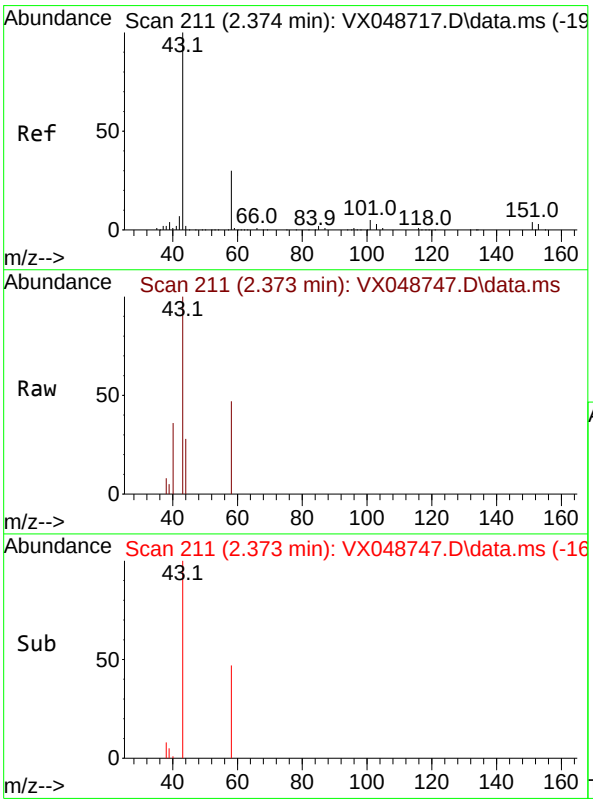
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

Tgt Ion:168 Resp: 124903

Ion	Ratio	Lower	Upper
168	100		
99	57.1	44.2	66.4

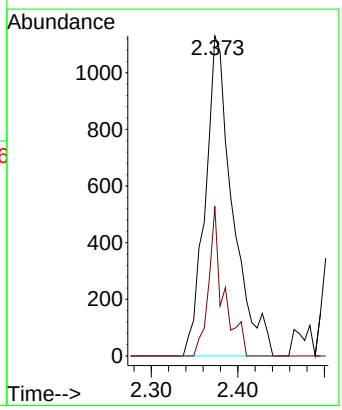


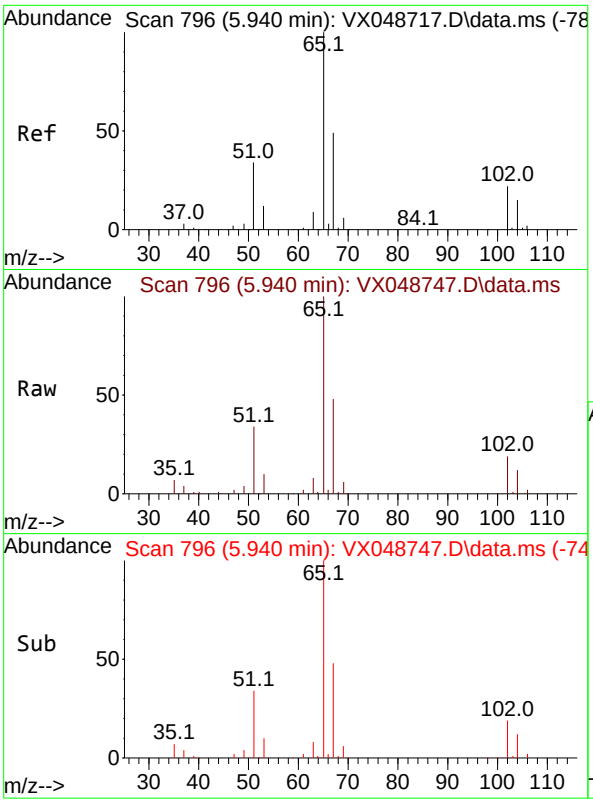


#16
Acetone
Concen: 3.852 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion: 43 Resp: 2472

Ion	Ratio	Lower	Upper
43	100		
58	46.7	25.0	37.4#



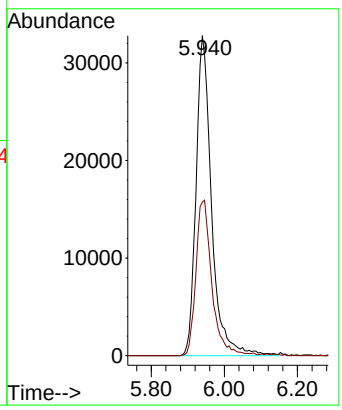


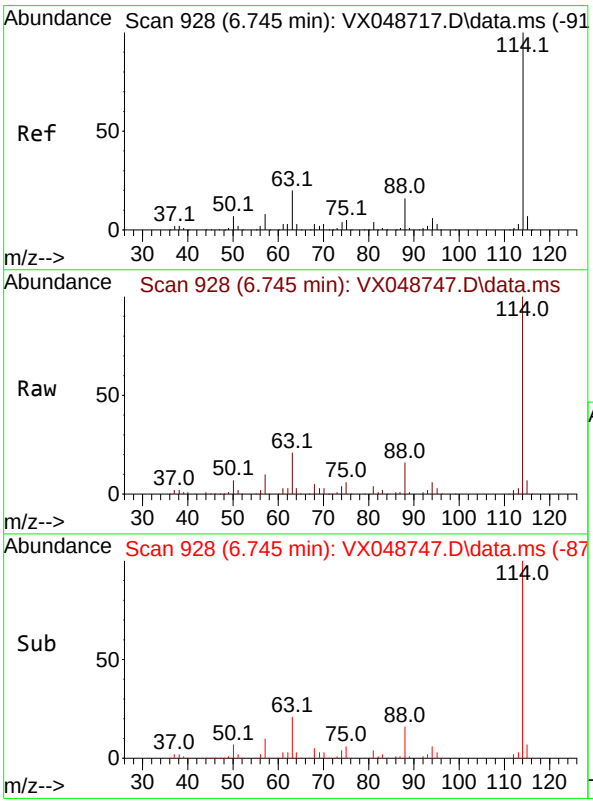
#33
1,2-Dichloroethane-d4
Concen: 57.744 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

Tgt Ion: 65 Resp: 96803

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	107.4

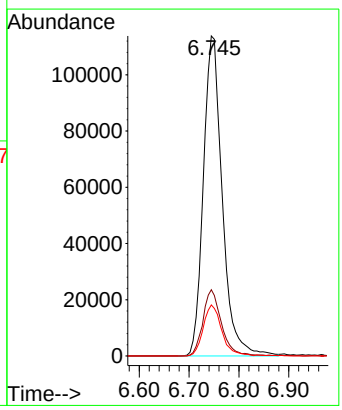


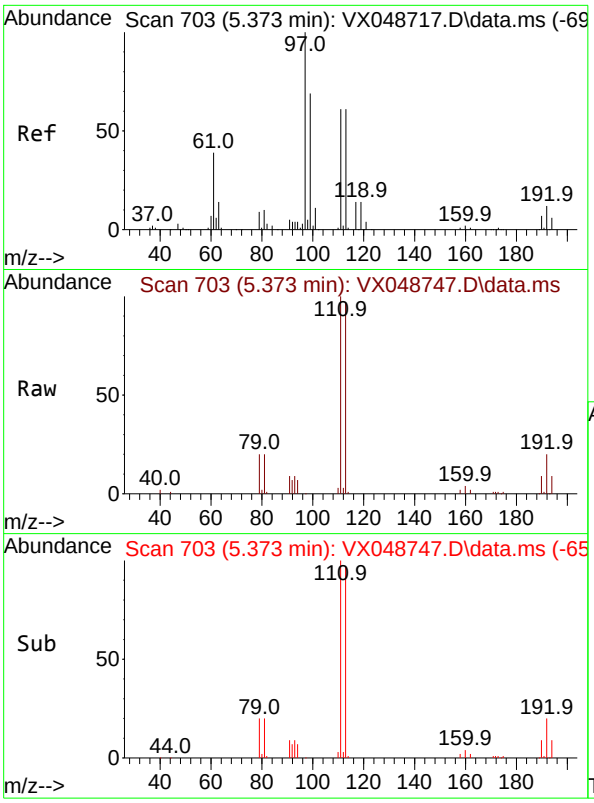


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion:114 Resp: 299763

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	39.0
88	16.0	0.0	31.8



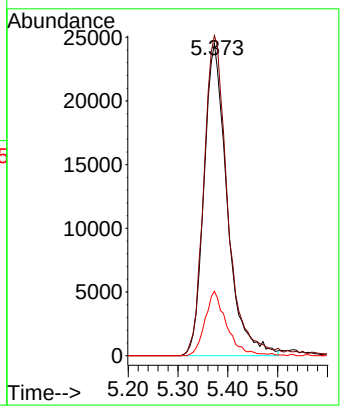


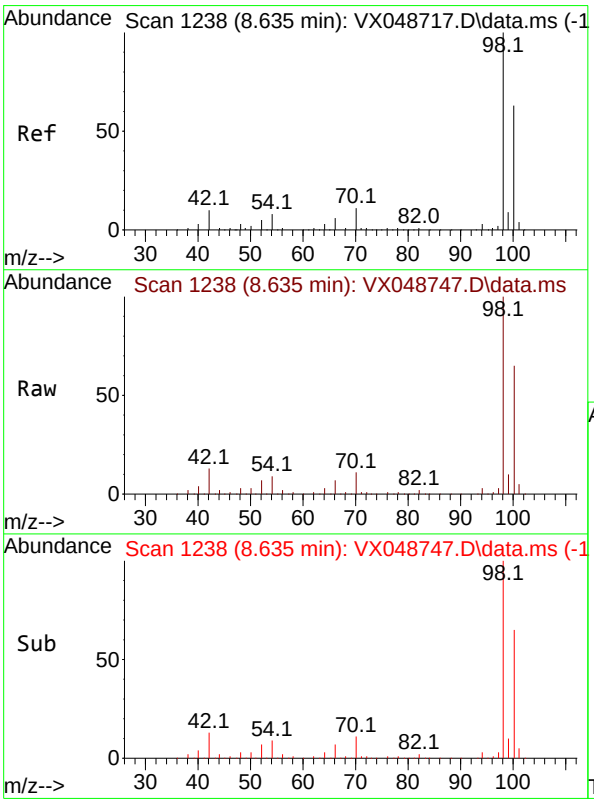
#35
Dibromofluoromethane
Concen: 38.412 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

Tgt Ion:113 Resp: 79281

Ion	Ratio	Lower	Upper
113	100		
111	104.9	79.5	119.3
192	19.5	16.1	24.1

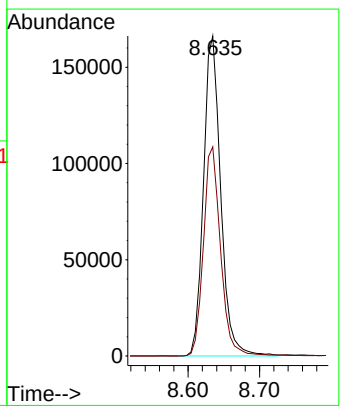




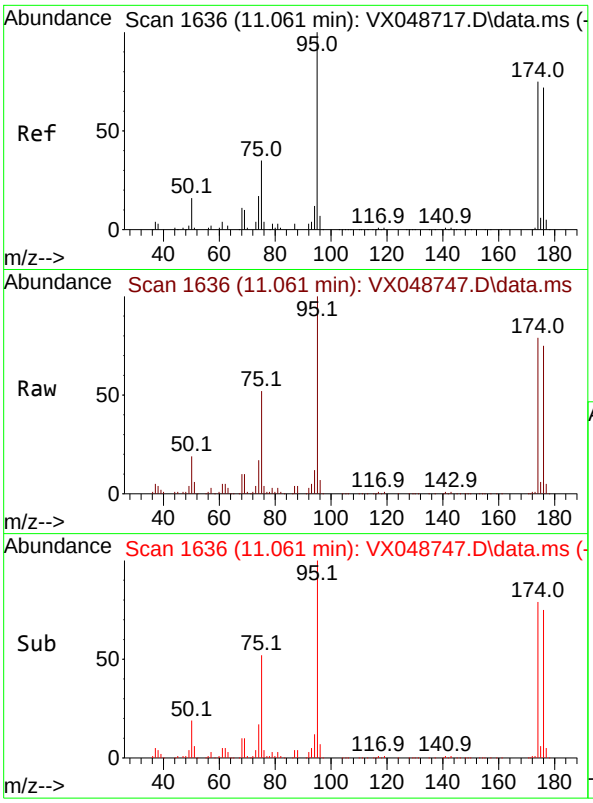
#50
Toluene-d8
Concen: 38.442 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion: 98 Resp: 278126

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.4	80.0



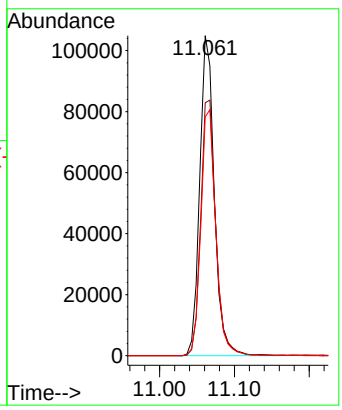
Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

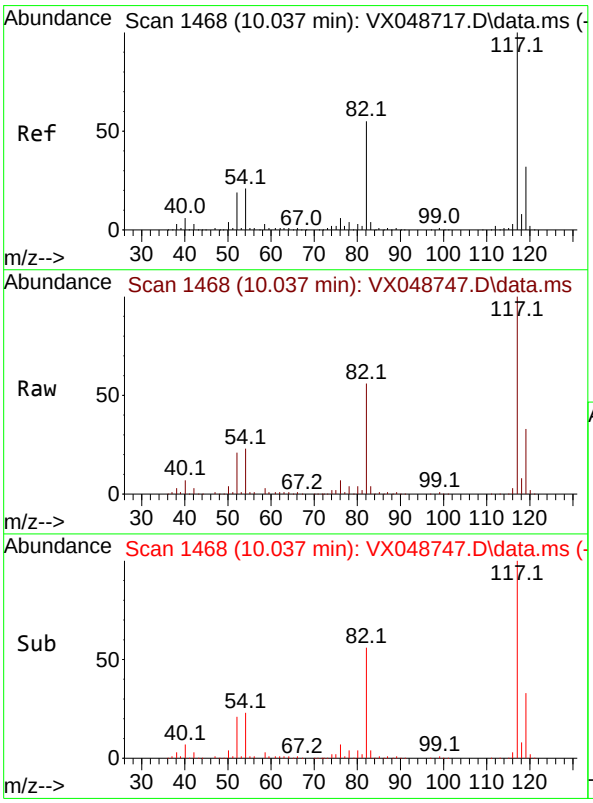


#62
4-Bromofluorobenzene
Concen: 56.882 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion: 95 Resp: 141911

Ion	Ratio	Lower	Upper
95	100		
174	82.4	0.0	157.8
176	79.0	0.0	154.0

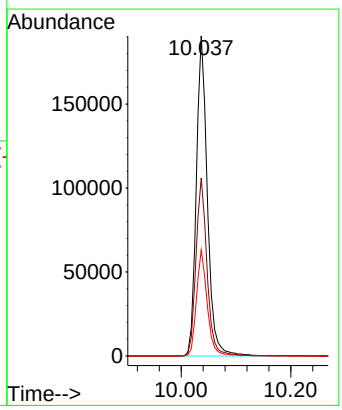


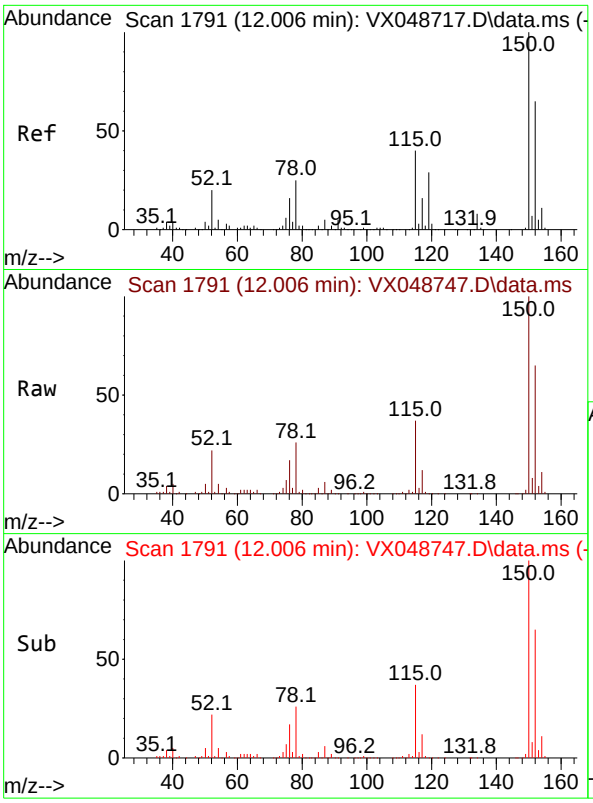


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Tgt Ion:117 Resp: 268328

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.1	66.1
119	33.2	25.2	37.8



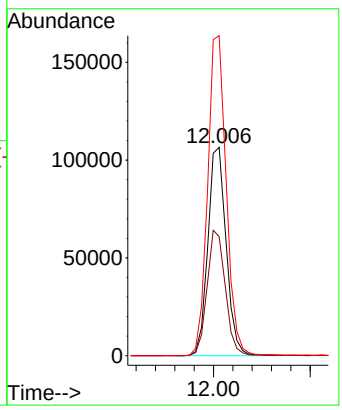


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

Tgt Ion:152 Resp: 139875

Ion	Ratio	Lower	Upper
152	100		
115	60.1	42.1	126.4
150	156.1	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048734.D
Acq On : 05 Dec 2025 14:33
Operator : JC/MD
Sample : Q3757-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

Quant Time: Dec 05 22:05:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

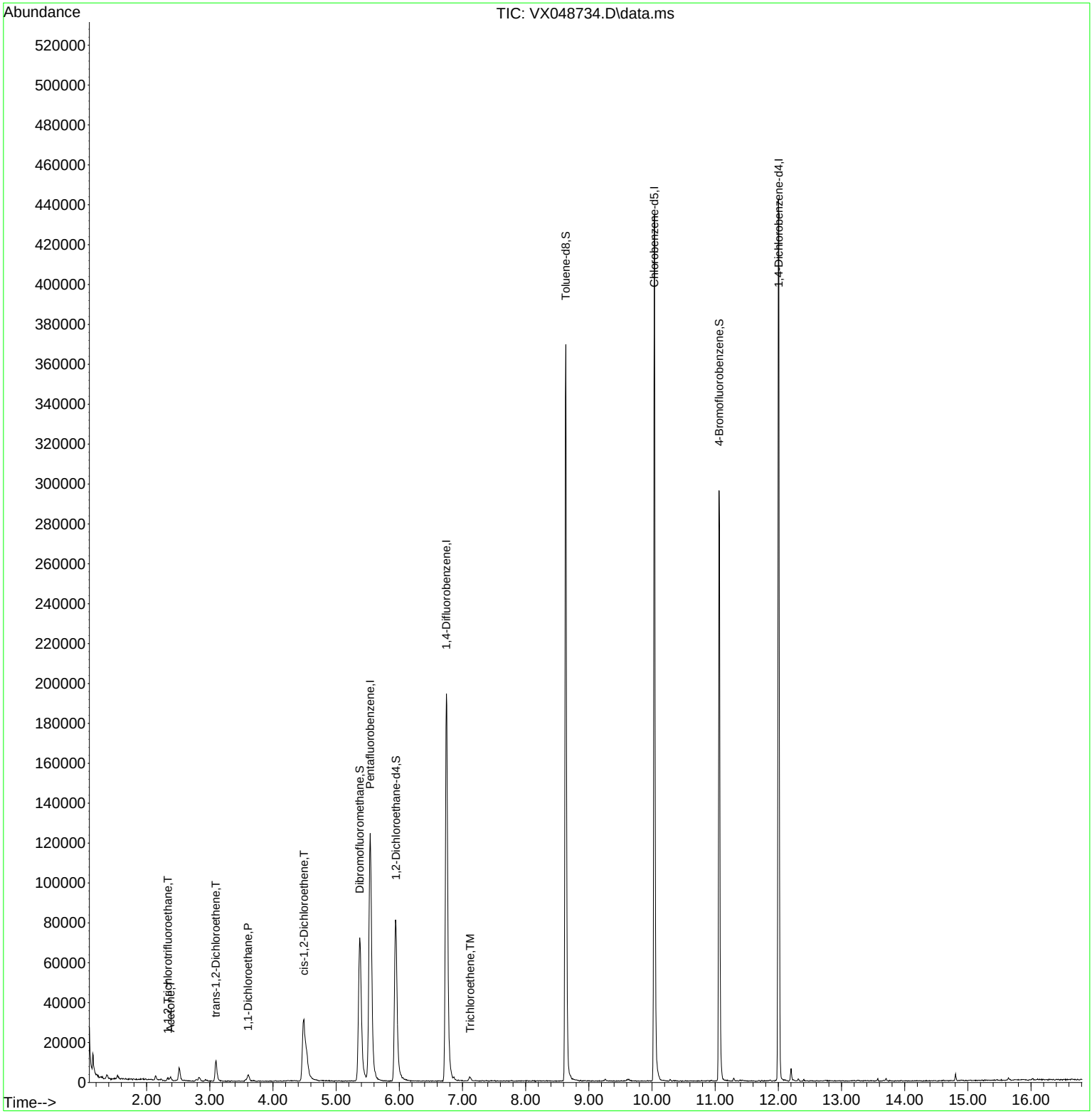
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	132392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	222932	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	207009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	102583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	91135	51.288	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.580%			
35) Dibromofluoromethane	5.373	113	72316	47.112	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.220%			
50) Toluene-d8	8.635	98	236336	43.924	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 87.840%#			
62) 4-Bromofluorobenzene	11.061	95	84945	45.783	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.560%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.337	101	558	0.370	ug/l #	83
16) Acetone	2.380	43	3009	4.423	ug/l #	87
21) trans-1,2-Dichloroethene	3.093	96	5495	3.502	ug/l #	79
24) 1,1-Dichloroethane	3.605	63	3969	1.475	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	23281	13.149	ug/l	90
44) Trichloroethene	7.123	130	1059	0.651	ug/l	91

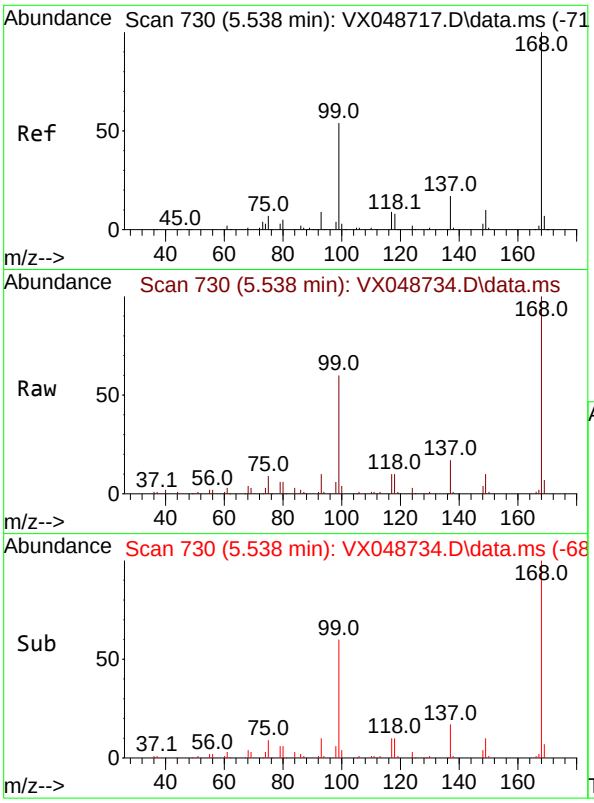
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048734.D
Acq On : 05 Dec 2025 14:33
Operator : JC/MD
Sample : Q3757-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

Quant Time: Dec 05 22:05:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



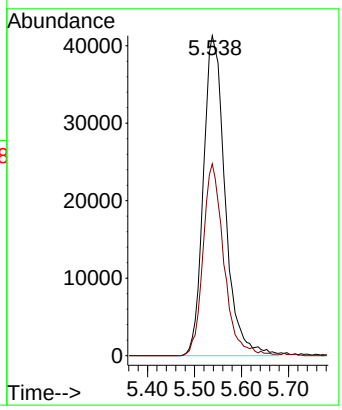


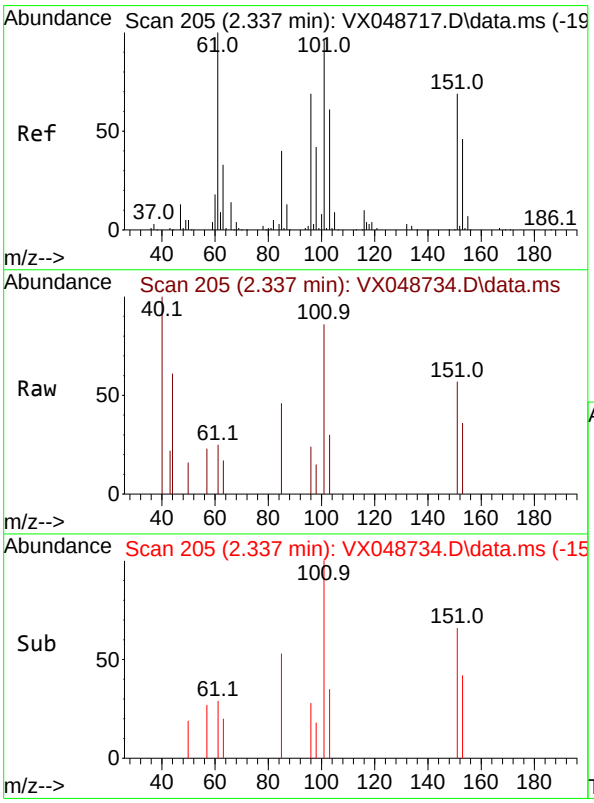
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

Tgt Ion:168 Resp: 132392

Ion	Ratio	Lower	Upper
168	100		
99	59.9	44.2	66.4

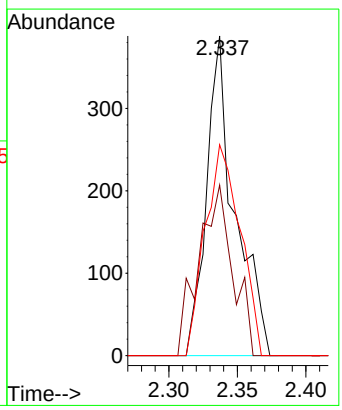


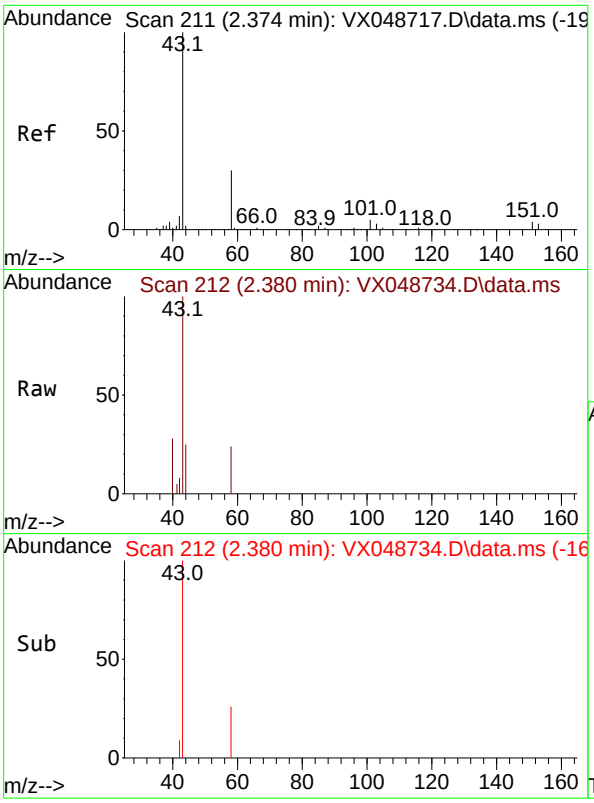


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.370 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion:101 Resp: 558

Ion	Ratio	Lower	Upper
101	100		
85	64.0	34.2	51.2#
151	81.5	60.2	90.4



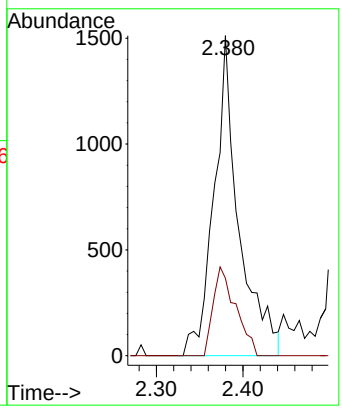


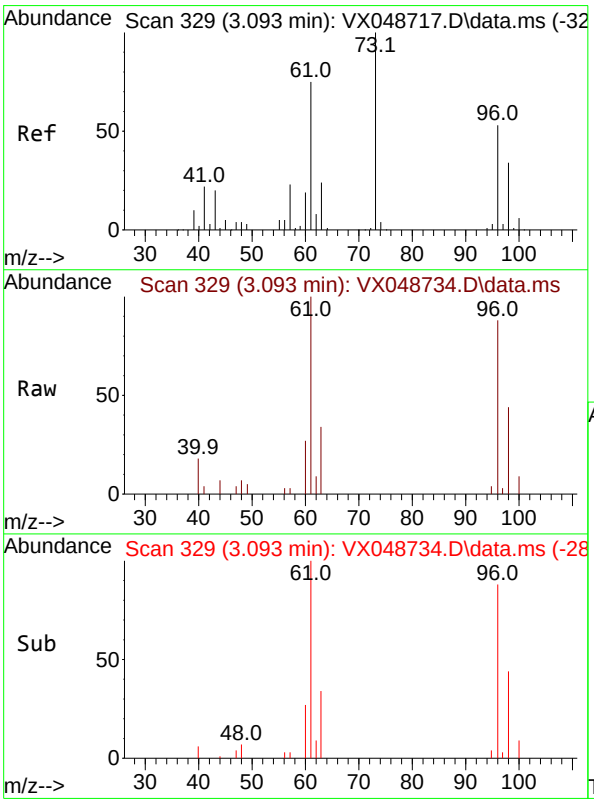
#16
Acetone
Concen: 4.423 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

Tgt Ion: 43 Resp: 3009

Ion	Ratio	Lower	Upper
43	100		
58	24.2	25.0	37.4#

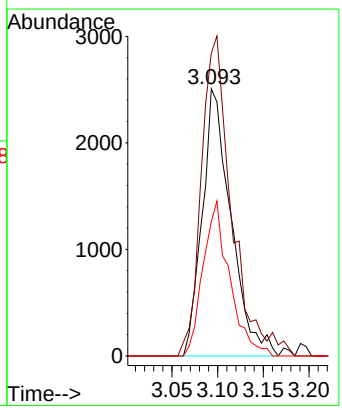


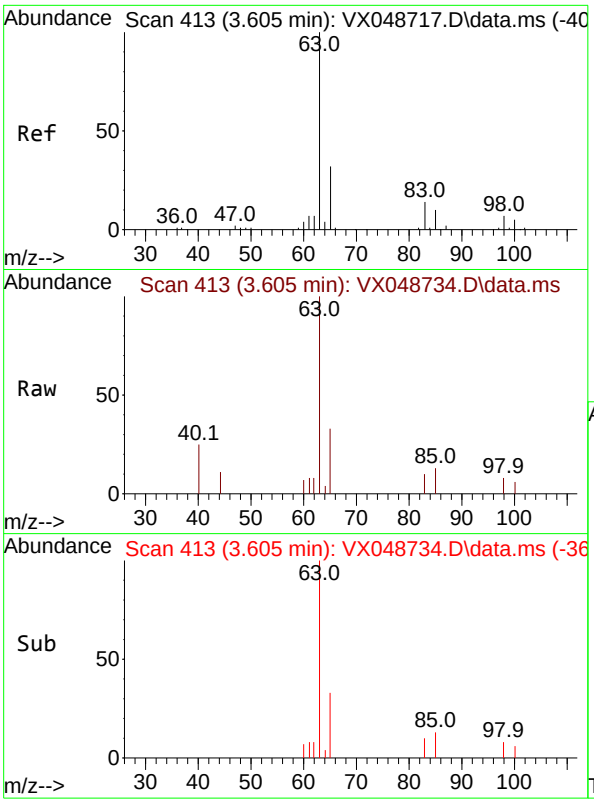


#21
trans-1,2-Dichloroethene
Concen: 3.502 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion: 96 Resp: 5495

Ion	Ratio	Lower	Upper
96	100		
61	113.4	112.8	169.2
98	50.3	51.0	76.4#



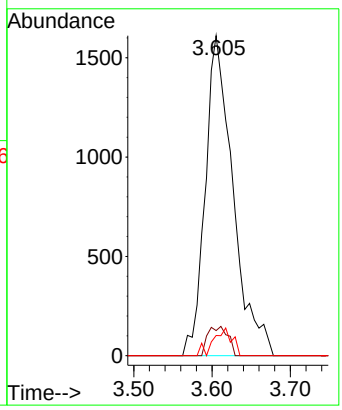


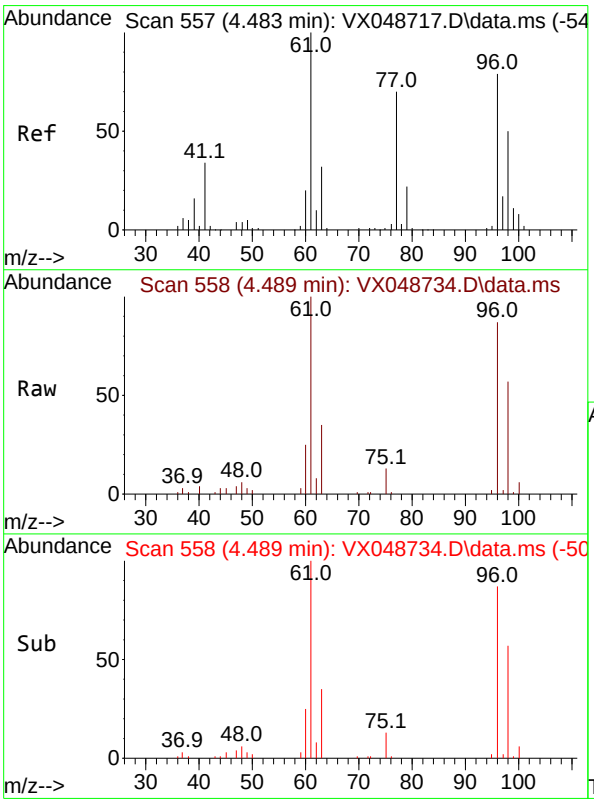
#24
1,1-Dichloroethane
Concen: 1.475 ug/l
RT: 3.605 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

Tgt Ion: 63 Resp: 3969

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.6
100	6.3	2.5	7.4

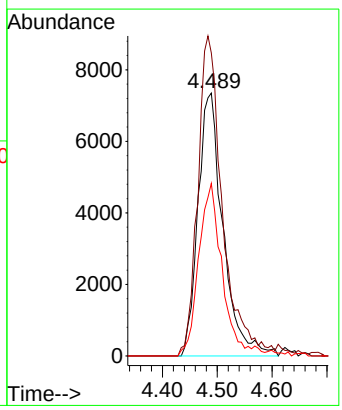




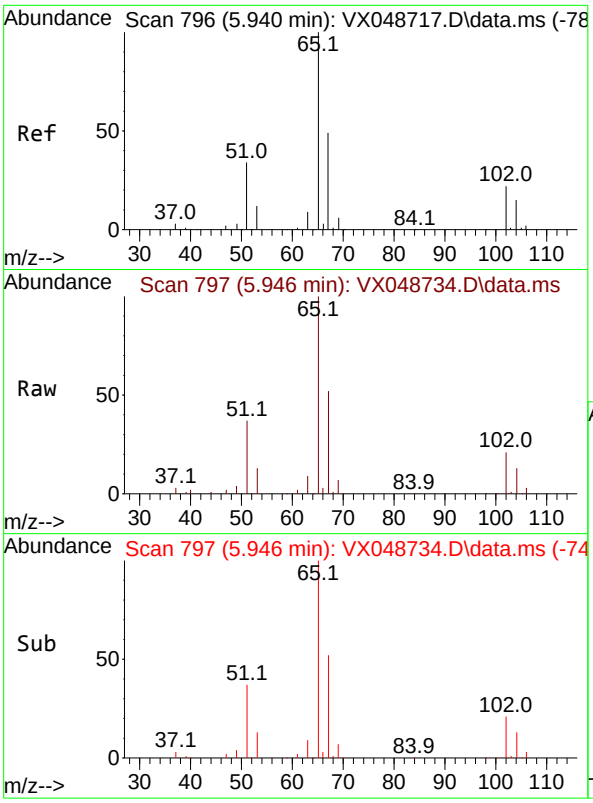
#27
cis-1,2-Dichloroethene
Concen: 13.149 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion: 96 Resp: 23281

Ion	Ratio	Lower	Upper
96	100		
61	119.9	0.0	271.0
98	61.8	0.0	130.2



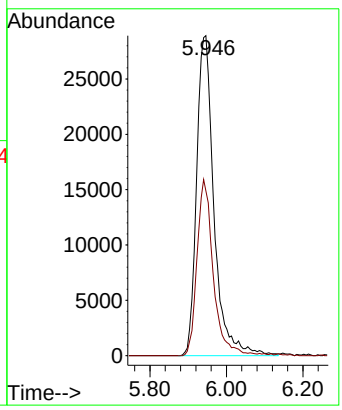
Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

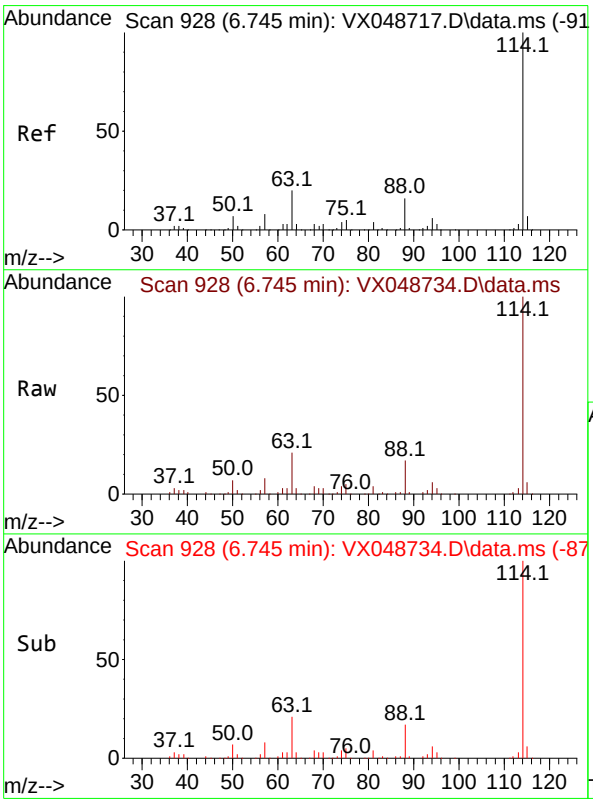


#33
1,2-Dichloroethane-d4
Concen: 51.288 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion: 65 Resp: 91135

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	107.4

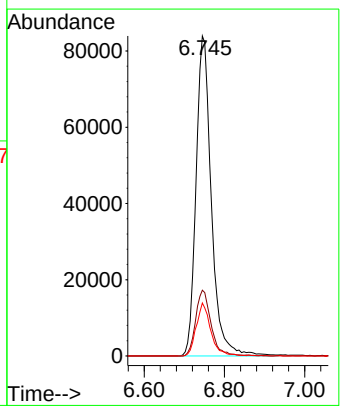




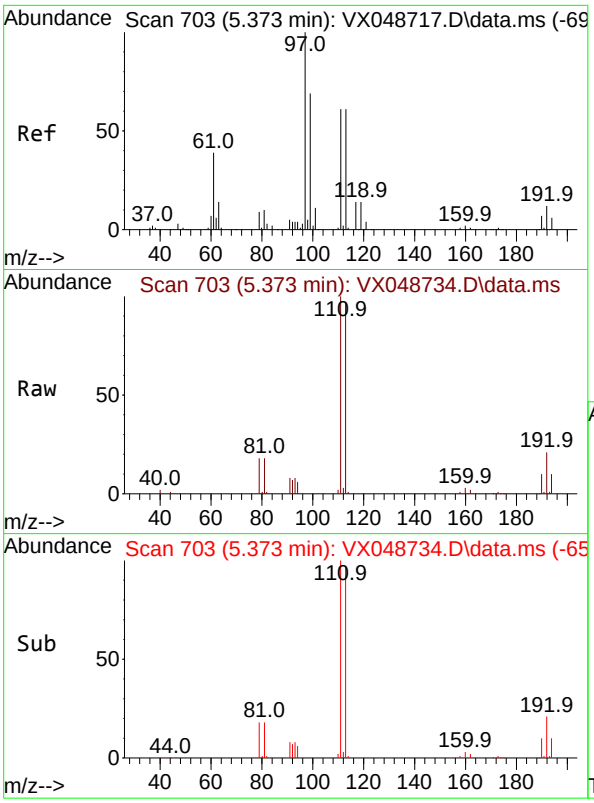
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion:114 Resp: 222932

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.0
88	16.6	0.0	31.8



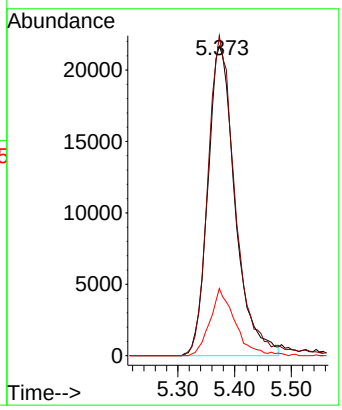
Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

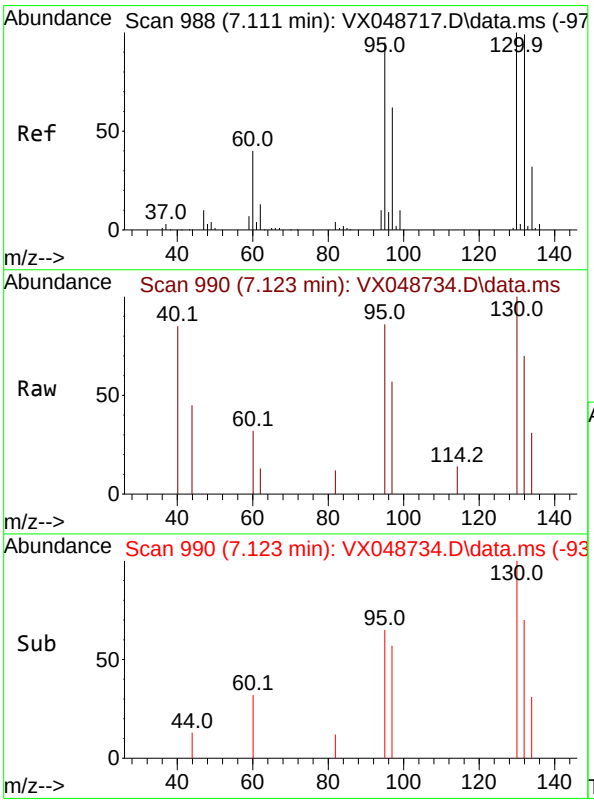


#35
Dibromofluoromethane
Concen: 47.112 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion:113 Resp: 72316

Ion	Ratio	Lower	Upper
113	100		
111	103.5	79.5	119.3
192	19.6	16.1	24.1

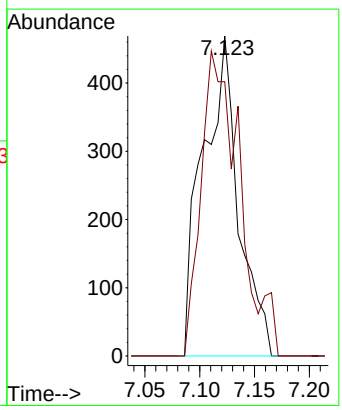


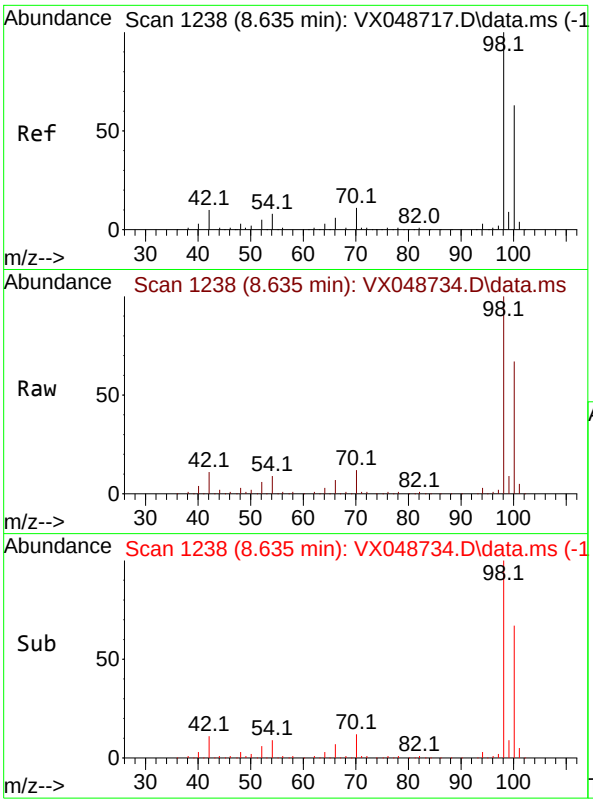


#44
Trichloroethene
Concen: 0.651 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion:130 Resp: 1059

Ion	Ratio	Lower	Upper
130	100		
95	85.7	0.0	189.6



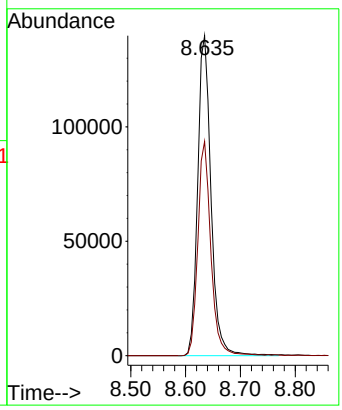


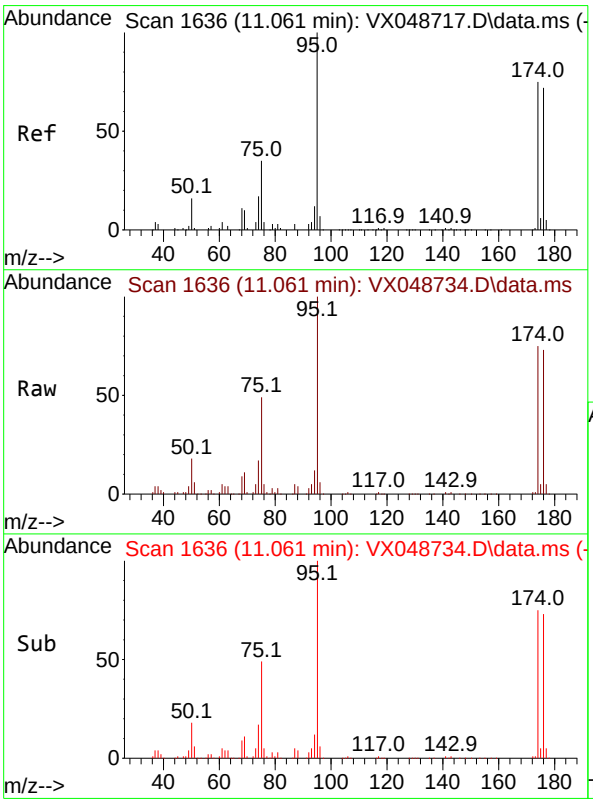
#50
Toluene-d8
Concen: 43.924 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

Tgt Ion: 98 Resp: 236336

Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.4	80.0

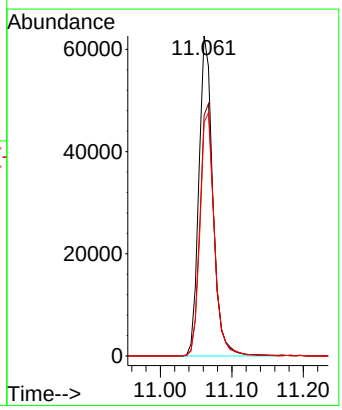




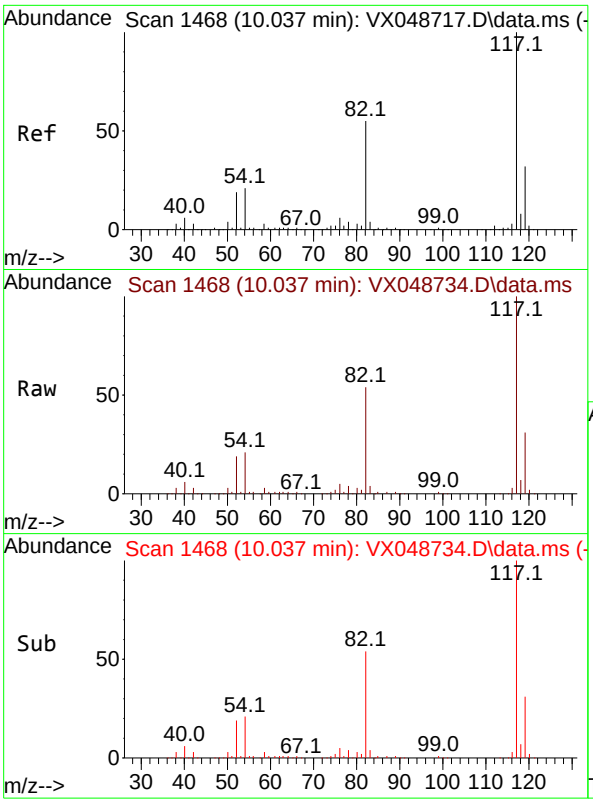
#62
4-Bromofluorobenzene
Concen: 45.783 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion: 95 Resp: 84945

Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	157.8
176	78.0	0.0	154.0



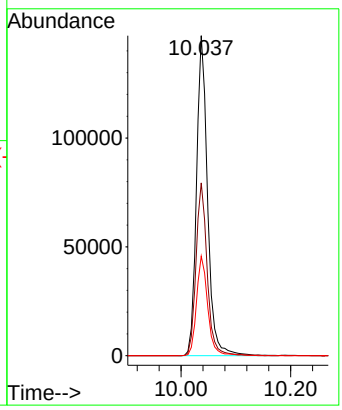
Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

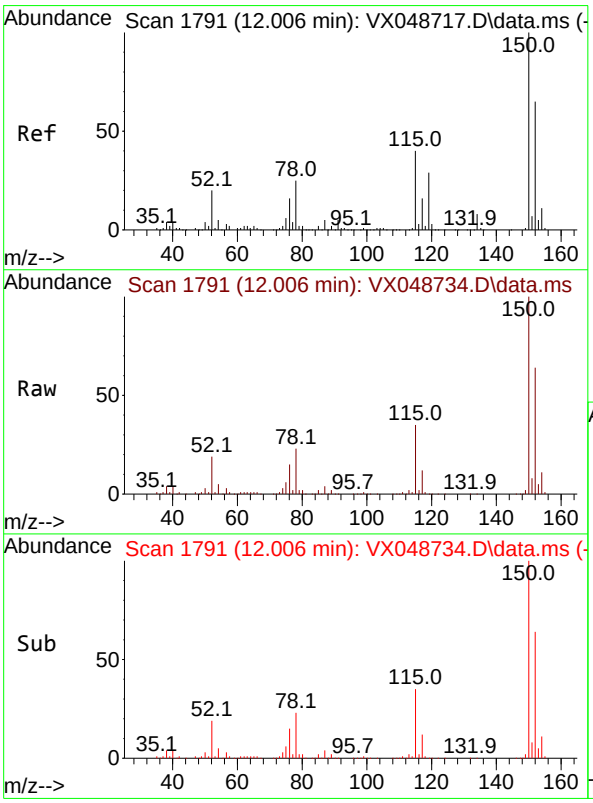


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion:117 Resp: 207009

Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.1	66.1
119	31.1	25.2	37.8

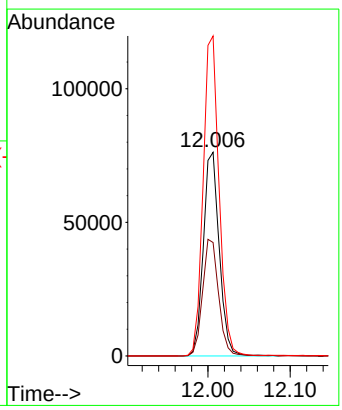




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

Tgt Ion:152 Resp: 102583

Ion	Ratio	Lower	Upper
152	100		
115	57.5	42.1	126.4
150	156.8	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048735.D
Acq On : 05 Dec 2025 14:54
Operator : JC/MD
Sample : Q3757-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

Quant Time: Dec 05 22:05:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

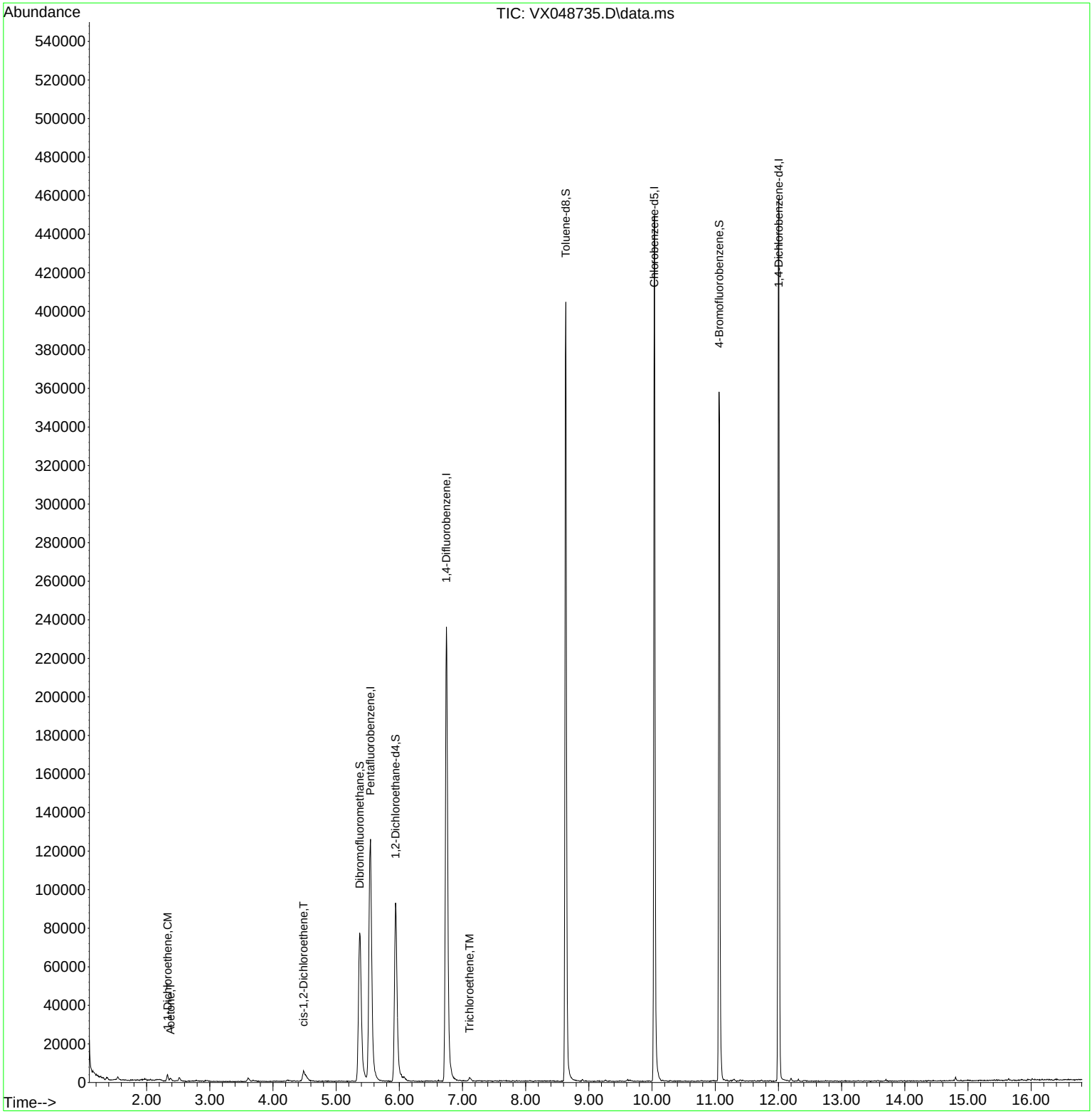
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	275147	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	208806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	102254	58.840	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.680%#			
35) Dibromofluoromethane	5.373	113	75188	39.688	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 79.380%			
50) Toluene-d8	8.635	98	253556	38.182	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 76.360%#			
62) 4-Bromofluorobenzene	11.061	95	103159	45.048	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.100%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.331	96	1284	0.854	ug/l #	81
16) Acetone	2.380	43	2234	3.358	ug/l	91
27) cis-1,2-Dichloroethene	4.483	96	3749	2.165	ug/l	92
44) Trichloroethene	7.110	130	883	0.440	ug/l	86

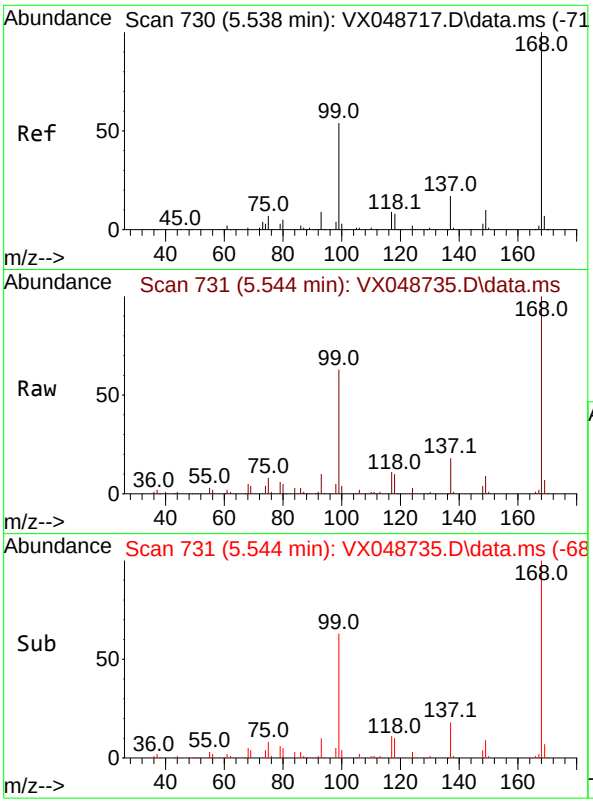
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048735.D
Acq On : 05 Dec 2025 14:54
Operator : JC/MD
Sample : Q3757-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

Quant Time: Dec 05 22:05:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



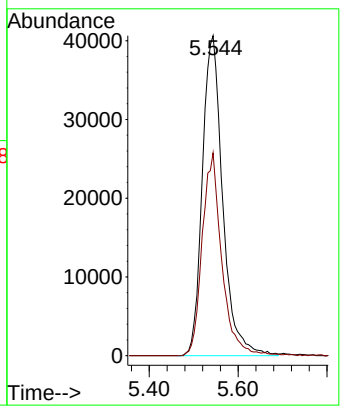


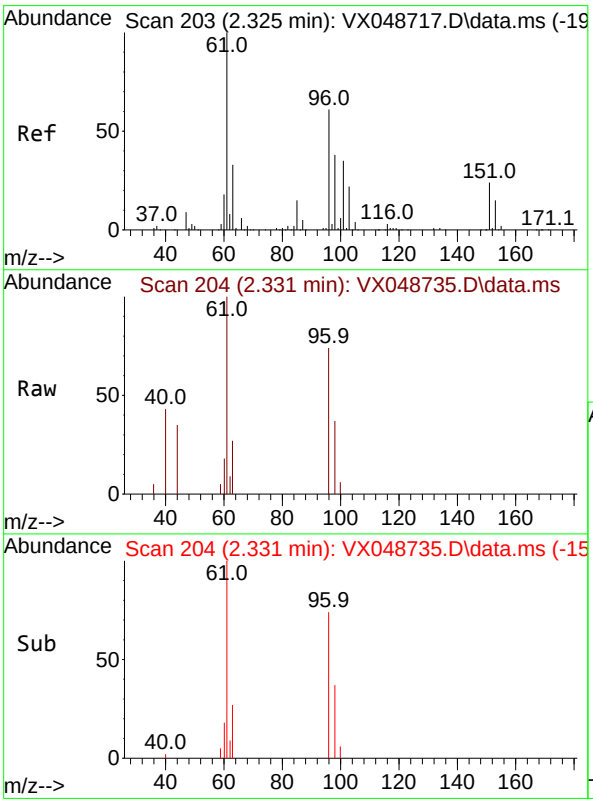
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

Tgt Ion:168 Resp: 129477

Ion	Ratio	Lower	Upper
168	100		
99	63.4	44.2	66.4

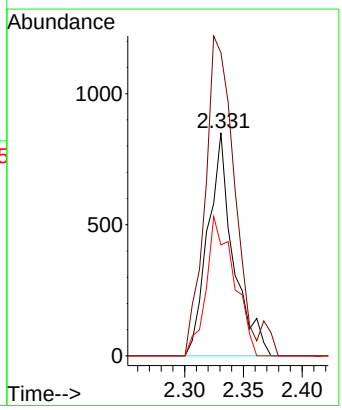


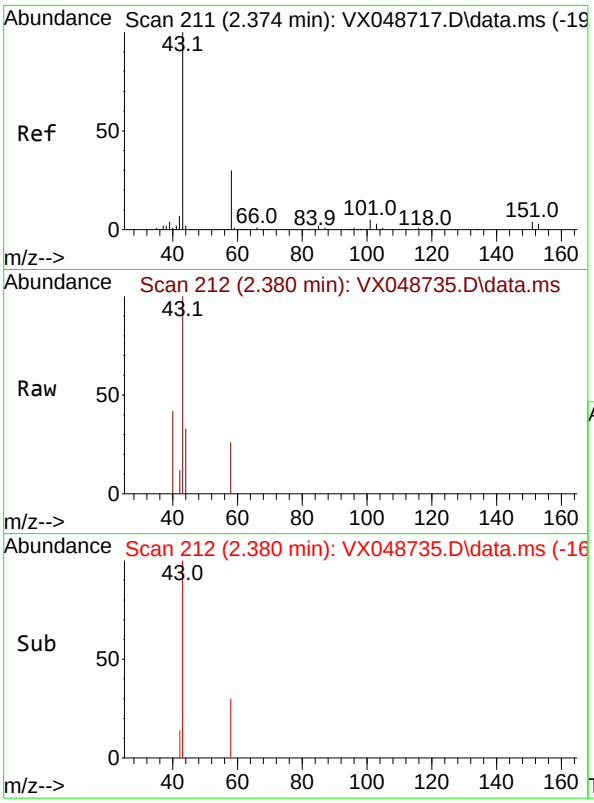


#12
1,1-Dichloroethene
Concen: 0.854 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Tgt Ion: 96 Resp: 1284

Ion	Ratio	Lower	Upper
96	100		
61	135.8	130.7	196.1
98	49.7	49.8	74.8#



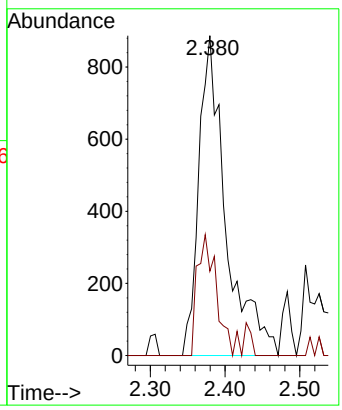


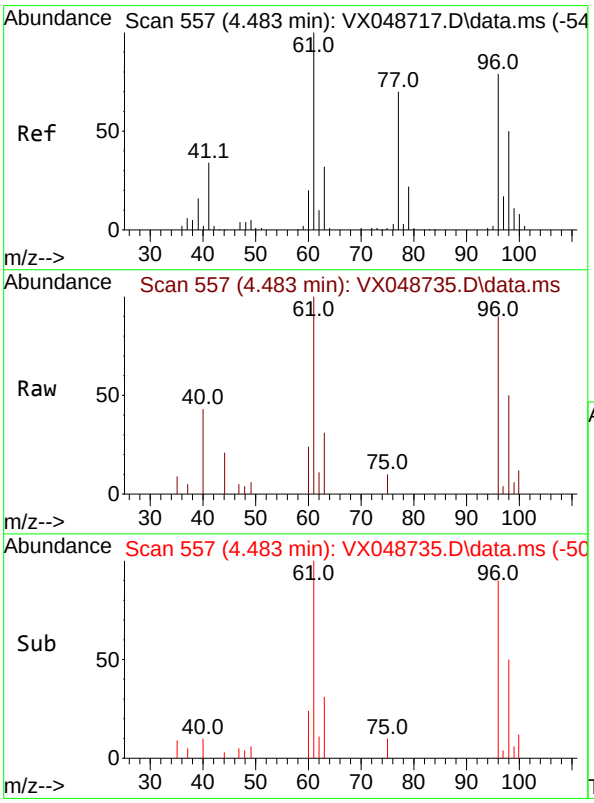
#16
Acetone
Concen: 3.358 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

Tgt Ion: 43 Resp: 2234

Ion	Ratio	Lower	Upper
43	100		
58	26.4	25.0	37.4

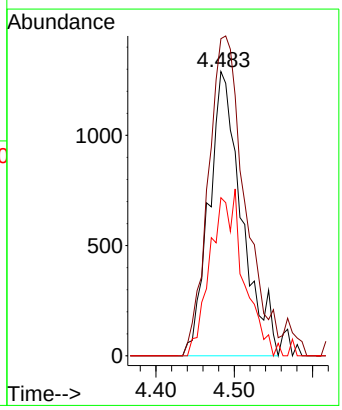


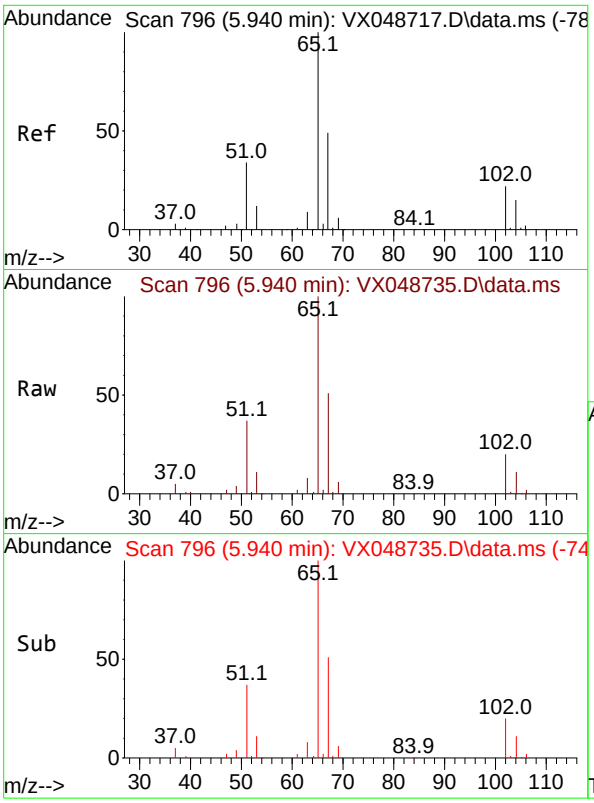


#27
cis-1,2-Dichloroethene
Concen: 2.165 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Tgt Ion: 96 Resp: 3749

Ion	Ratio	Lower	Upper
96	100		
61	126.3	0.0	271.0
98	59.3	0.0	130.2



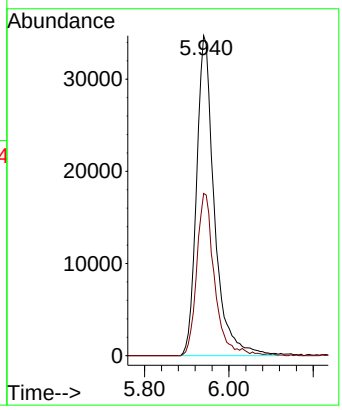


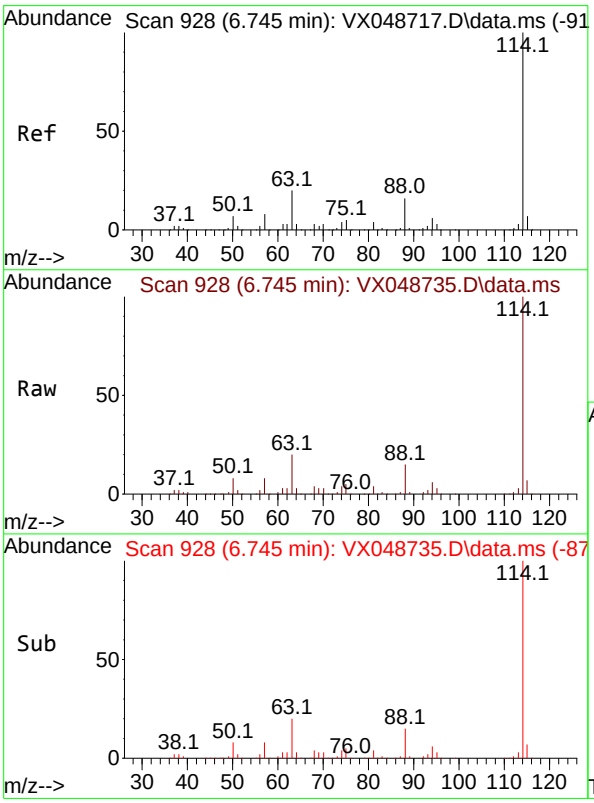
#33
1,2-Dichloroethane-d4
Concen: 58.840 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

Tgt Ion: 65 Resp: 102254

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	107.4

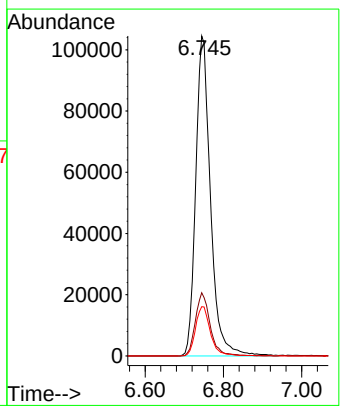


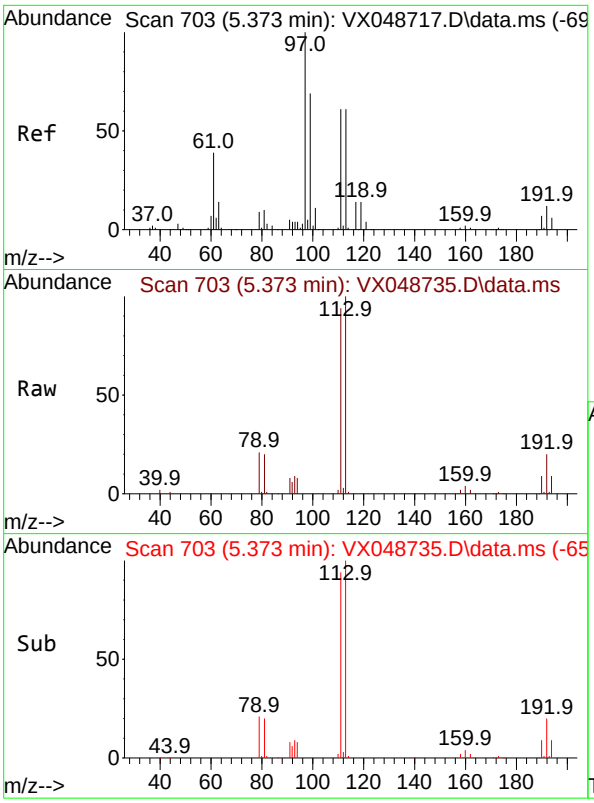


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Tgt Ion:114 Resp: 275147

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.0
88	15.4	0.0	31.8



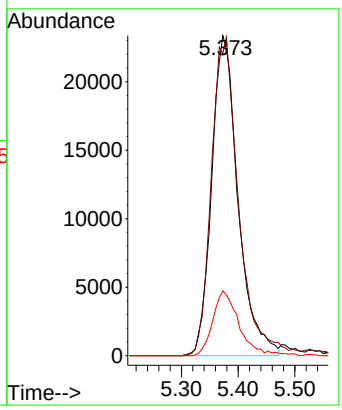


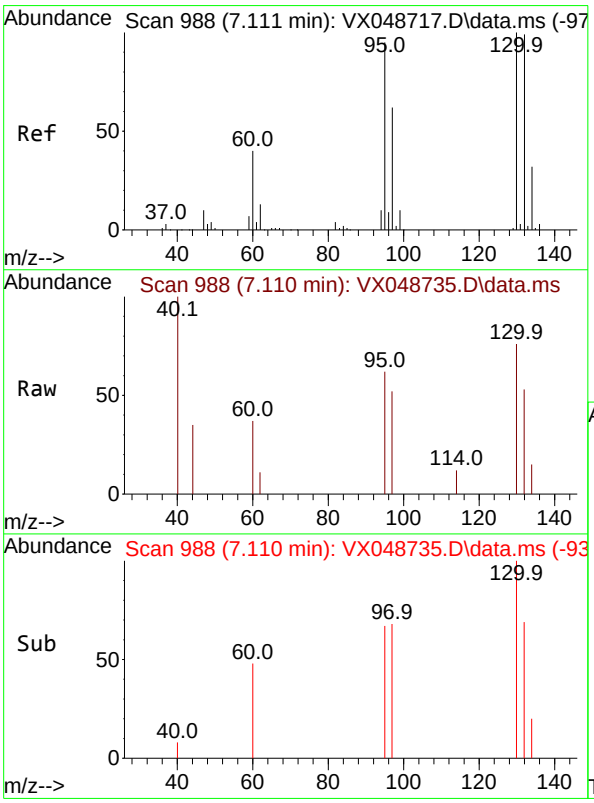
#35
Dibromofluoromethane
Concen: 39.688 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

Tgt Ion:113 Resp: 75188

Ion	Ratio	Lower	Upper
113	100		
111	103.3	79.5	119.3
192	20.3	16.1	24.1

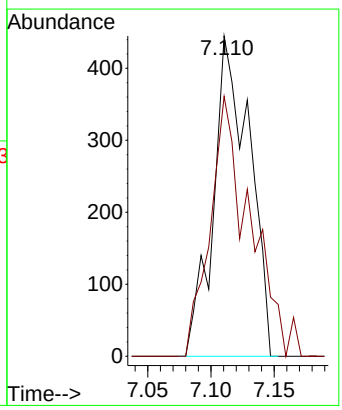


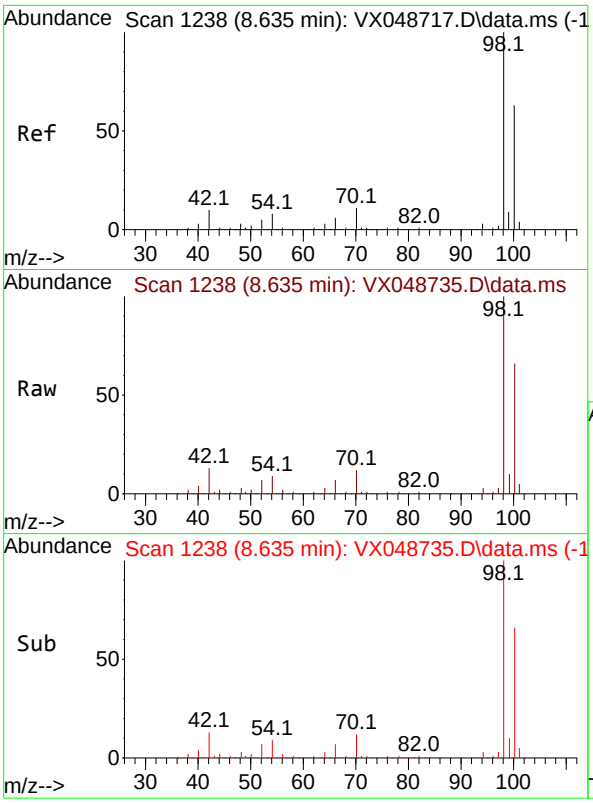


#44
Trichloroethene
Concen: 0.440 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Tgt Ion:130 Resp: 883

Ion	Ratio	Lower	Upper
130	100		
95	81.1	0.0	189.6



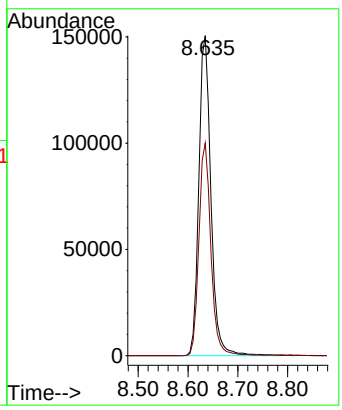


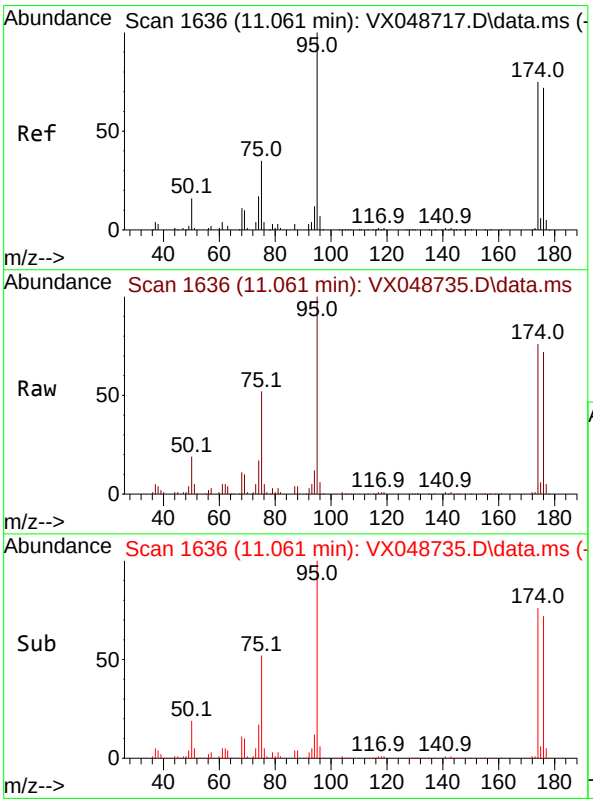
#50
Toluene-d8
Concen: 38.182 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

Tgt Ion: 98 Resp: 253556

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.4	80.0

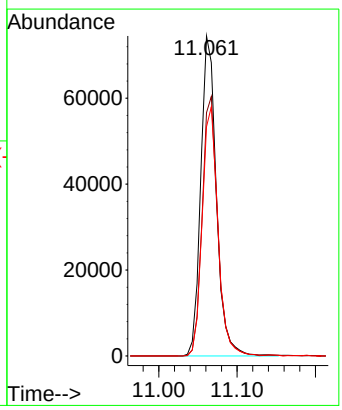


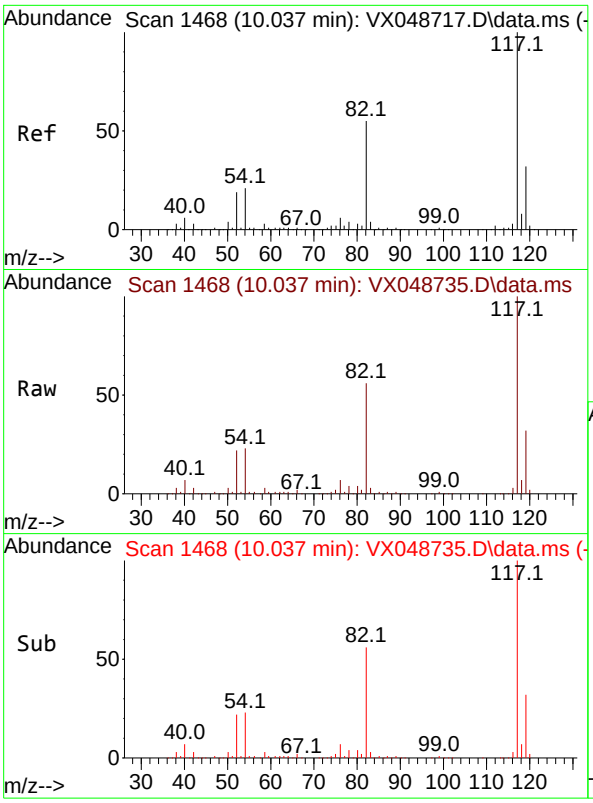


#62
4-Bromofluorobenzene
Concen: 45.048 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Tgt Ion: 95 Resp: 103159

Ion	Ratio	Lower	Upper
95	100		
174	80.5	0.0	157.8
176	78.5	0.0	154.0



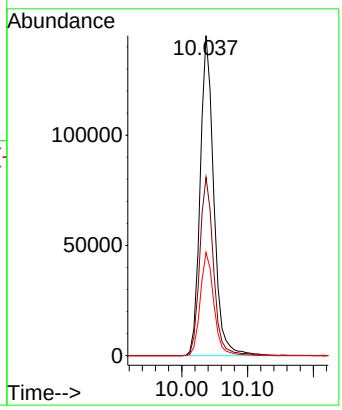


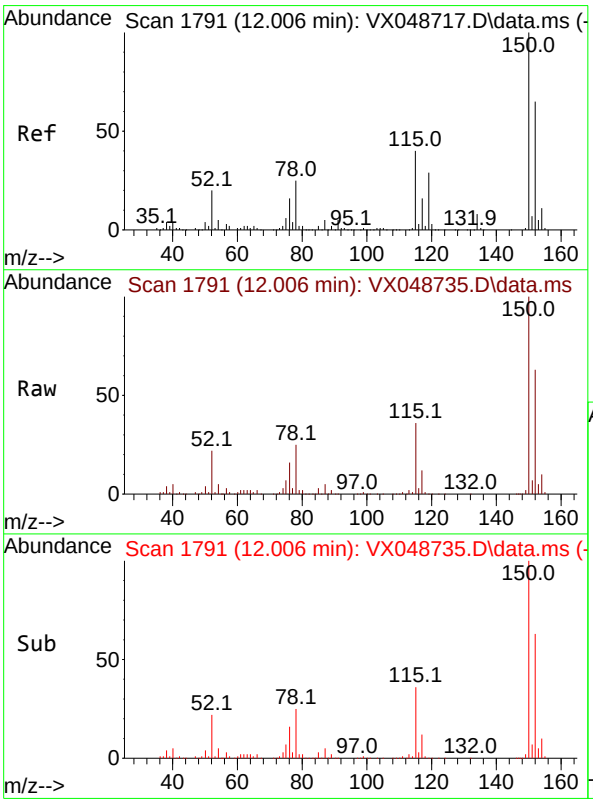
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

Tgt Ion:117 Resp: 208806

Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.1	66.1
119	32.3	25.2	37.8

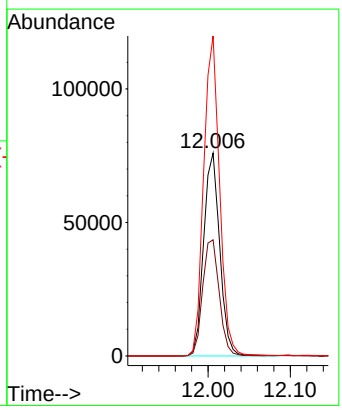




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

Tgt Ion:152 Resp: 103213

Ion	Ratio	Lower	Upper
152	100		
115	59.1	42.1	126.4
150	156.2	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048748.D
Acq On : 08 Dec 2025 12:53
Operator : JC/MD
Sample : Q3757-09RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

Quant Time: Dec 09 04:09:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

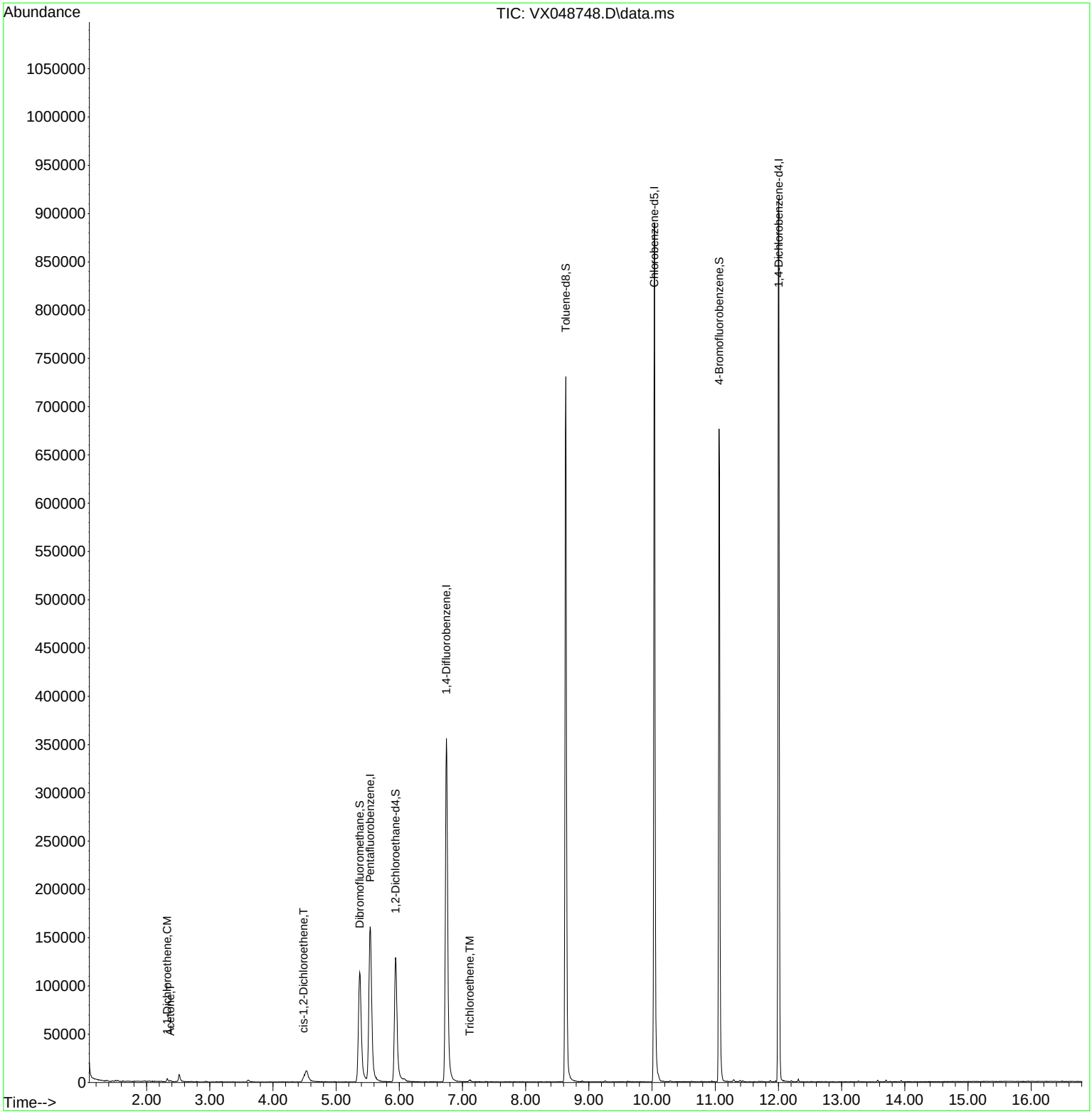
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	169111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	409831	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	413547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	197728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	142724	62.880	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 125.760%#			
35) Dibromofluoromethane	5.373	113	111782	39.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 79.220%			
50) Toluene-d8	8.634	98	465280	47.039	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.080%			
62) 4-Bromofluorobenzene	11.061	95	191359	56.102	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.200%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.324	96	1182	0.602	ug/l	86
16) Acetone	2.373	43	2059	2.370	ug/l	89
27) cis-1,2-Dichloroethene	4.483	96	3429	1.516	ug/l	60
44) Trichloroethene	7.116	130	749	0.251	ug/l	62

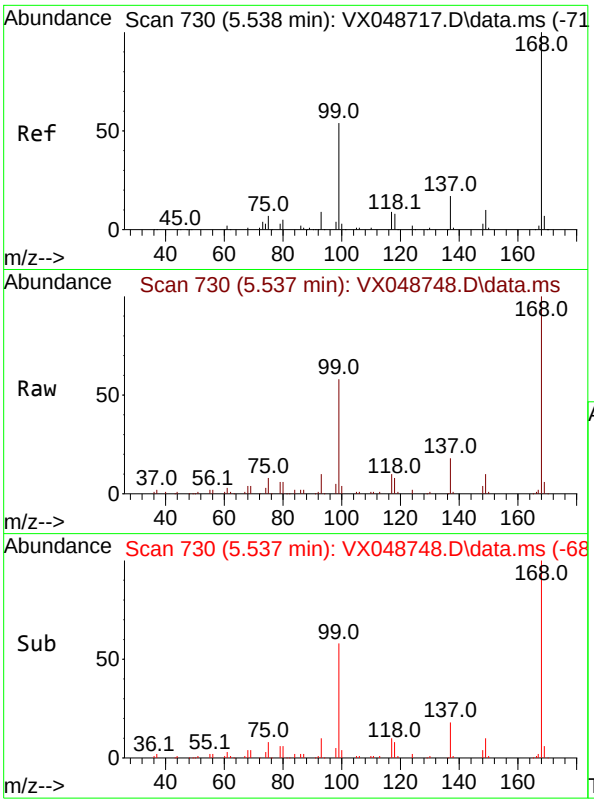
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048748.D
Acq On : 08 Dec 2025 12:53
Operator : JC/MD
Sample : Q3757-09RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

Quant Time: Dec 09 04:09:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



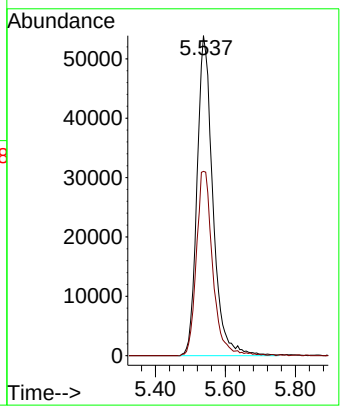


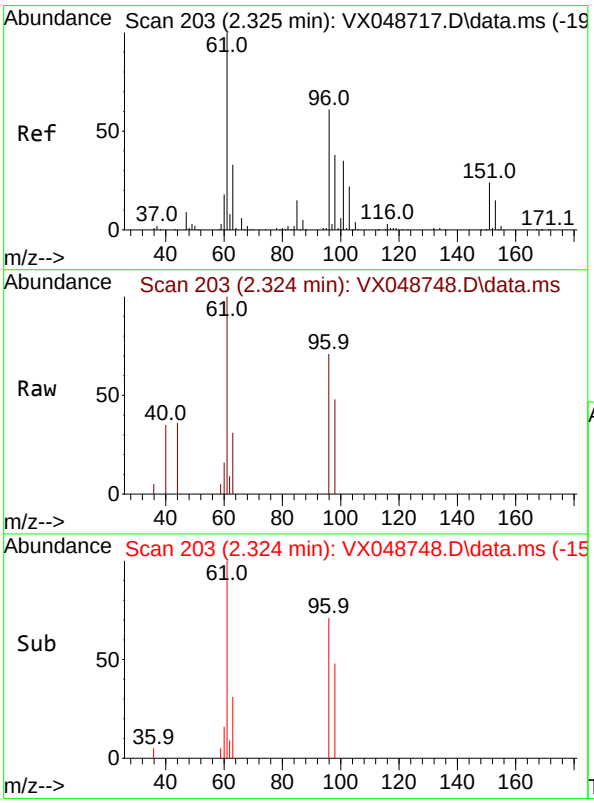
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

Tgt Ion:168 Resp: 169111

Ion	Ratio	Lower	Upper
168	100		
99	57.6	44.2	66.4

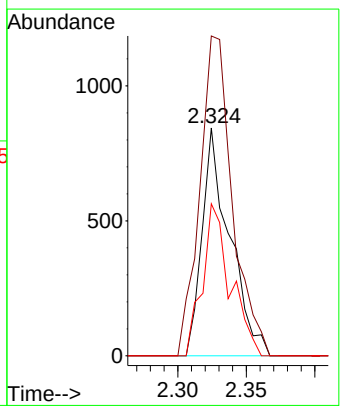


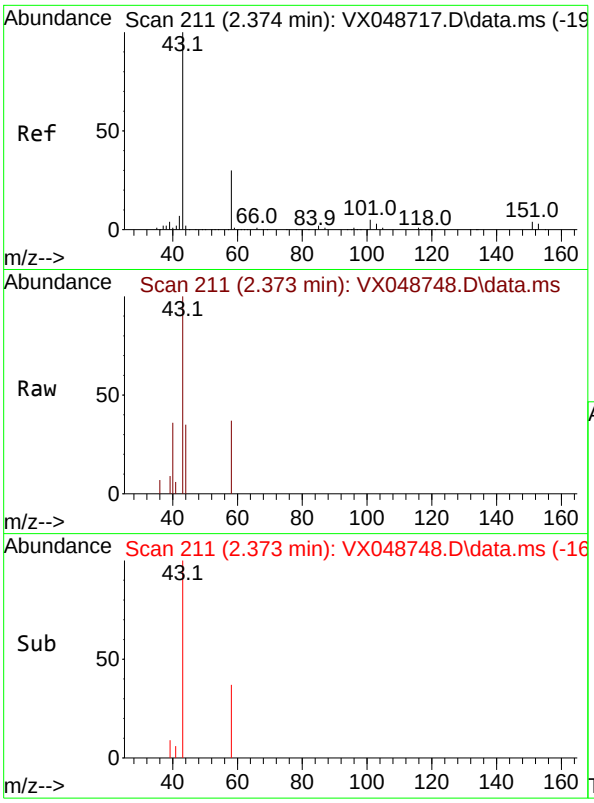


#12
1,1-Dichloroethene
Concen: 0.602 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion: 96 Resp: 1182

Ion	Ratio	Lower	Upper
96	100		
61	140.4	130.7	196.1
98	66.7	49.8	74.8



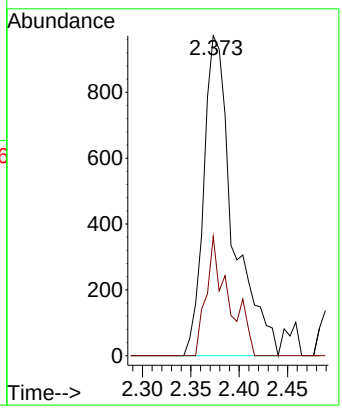


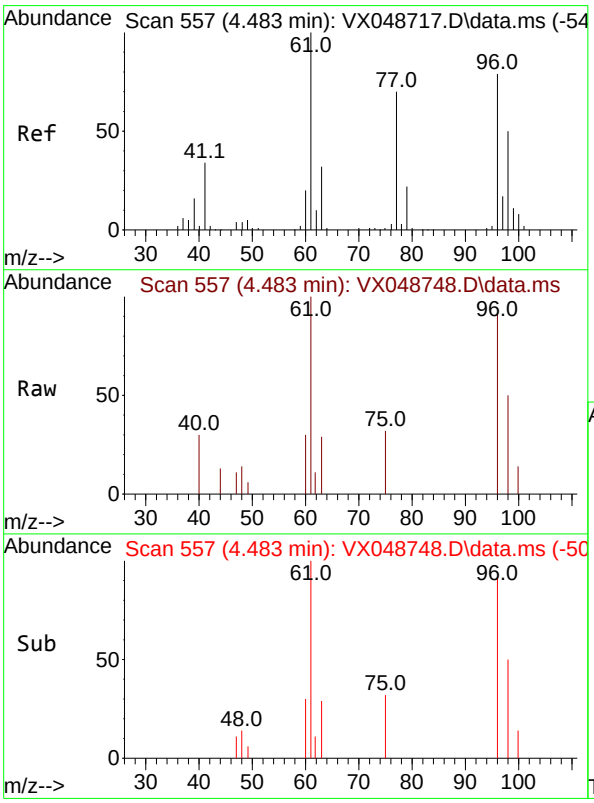
#16
Acetone
Concen: 2.370 ug/l
RT: 2.373 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

Tgt Ion: 43 Resp: 2059

Ion	Ratio	Lower	Upper
43	100		
58	37.2	25.0	37.4

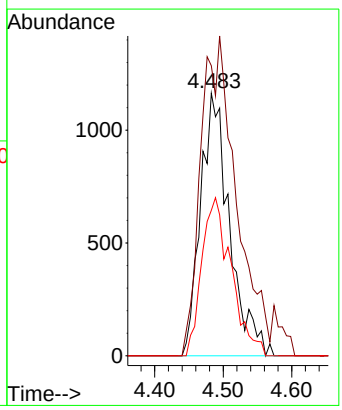


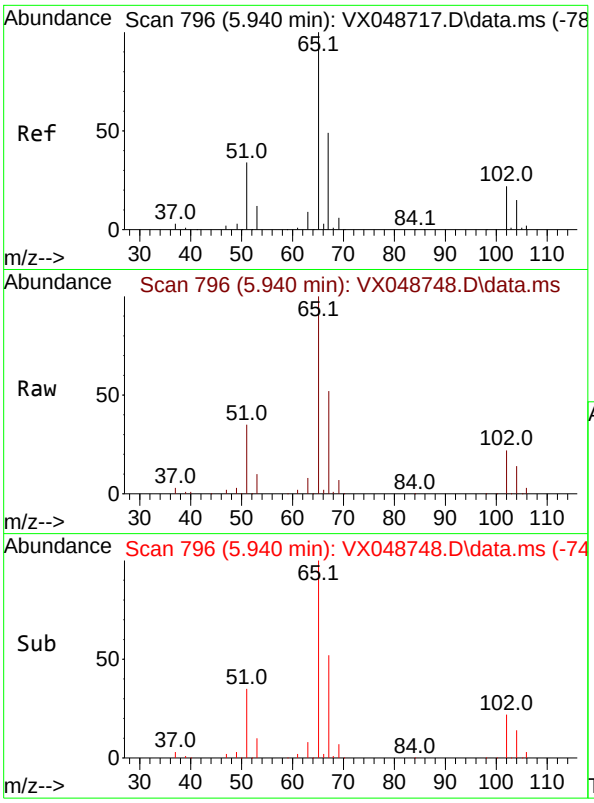


#27
cis-1,2-Dichloroethene
Concen: 1.516 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion: 96 Resp: 3429

Ion	Ratio	Lower	Upper
96	100		
61	67.6	0.0	271.0
98	61.1	0.0	130.2



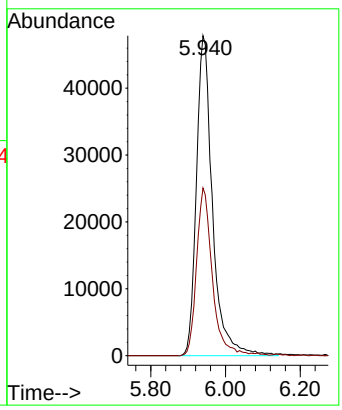


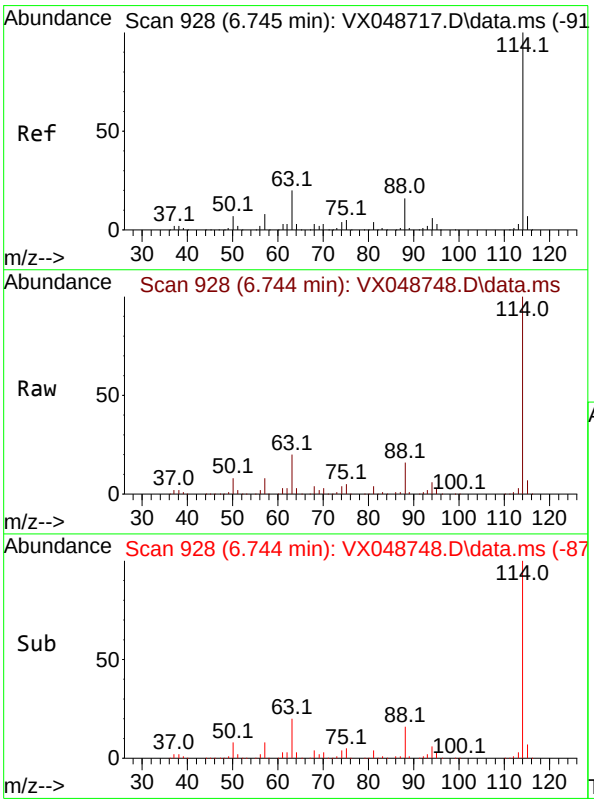
#33
1,2-Dichloroethane-d4
Concen: 62.880 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

Tgt Ion: 65 Resp: 142724

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	107.4

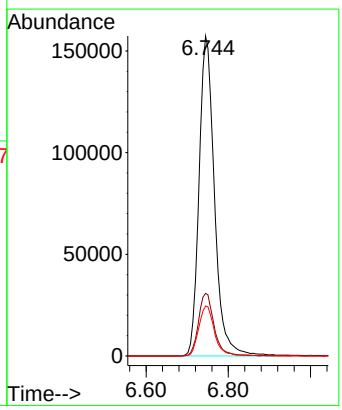


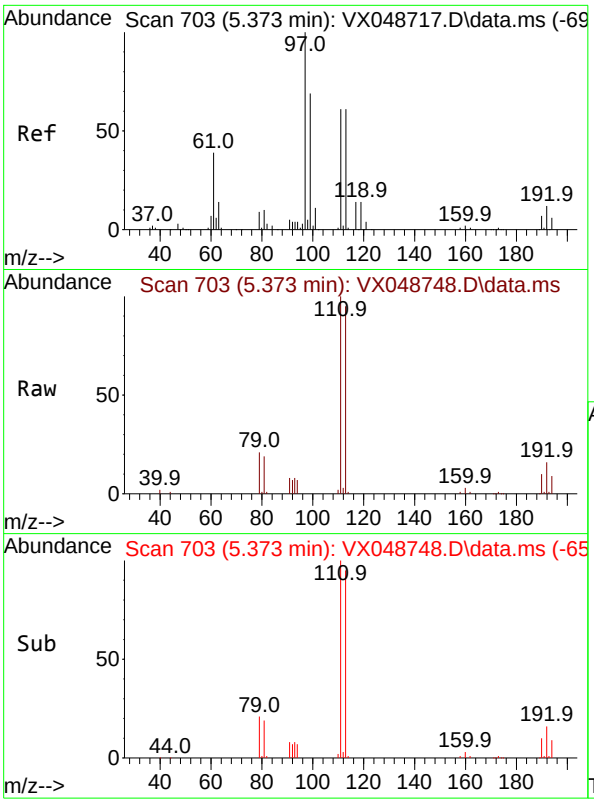


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion:114 Resp: 409831

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.0
88	15.6	0.0	31.8



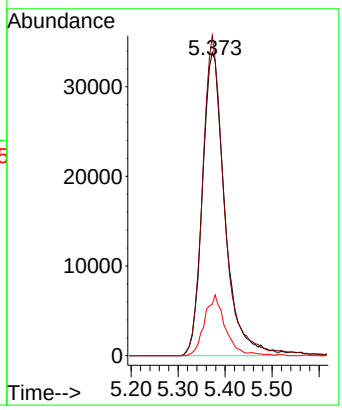


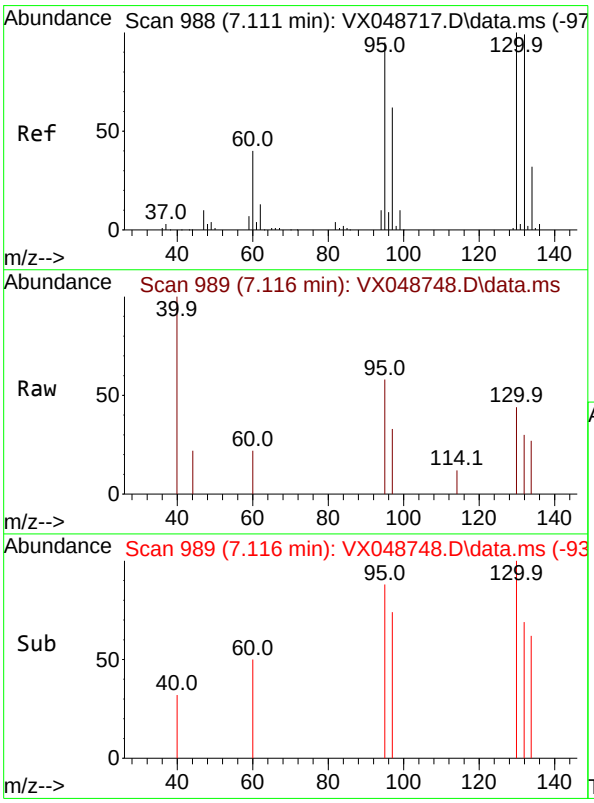
#35
Dibromofluoromethane
Concen: 39.613 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

Tgt Ion:113 Resp: 111782

Ion	Ratio	Lower	Upper
113	100		
111	103.7	79.5	119.3
192	18.7	16.1	24.1

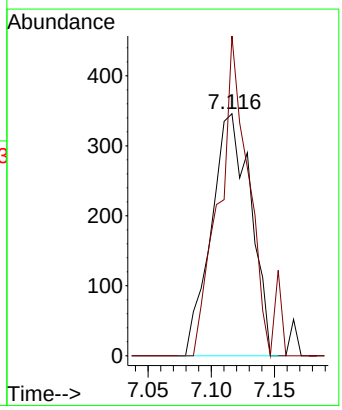


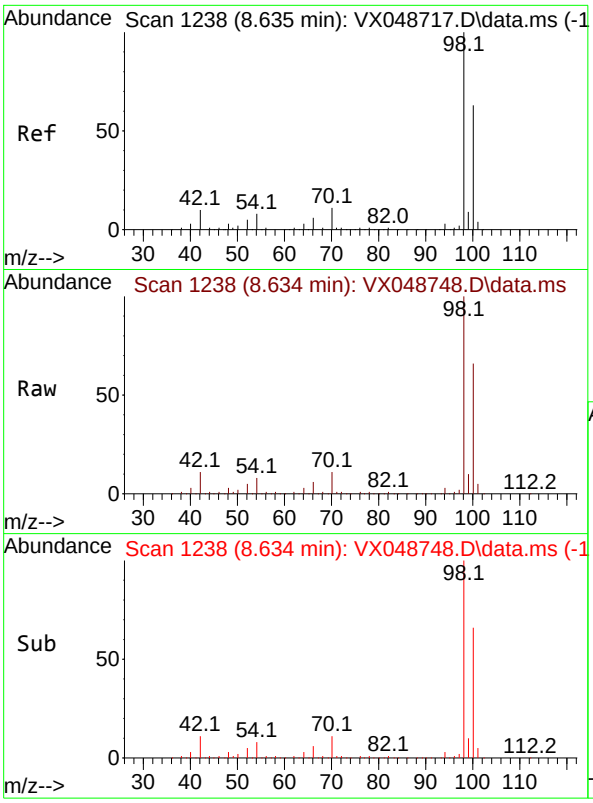


#44
Trichloroethene
Concen: 0.251 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion:130 Resp: 749

Ion	Ratio	Lower	Upper
130	100		
95	132.1	0.0	189.6



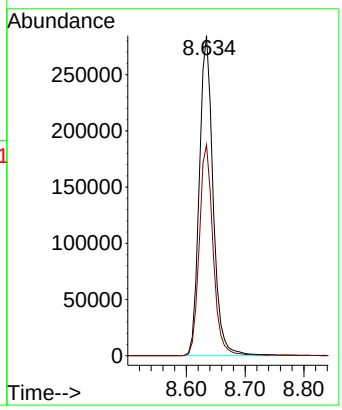


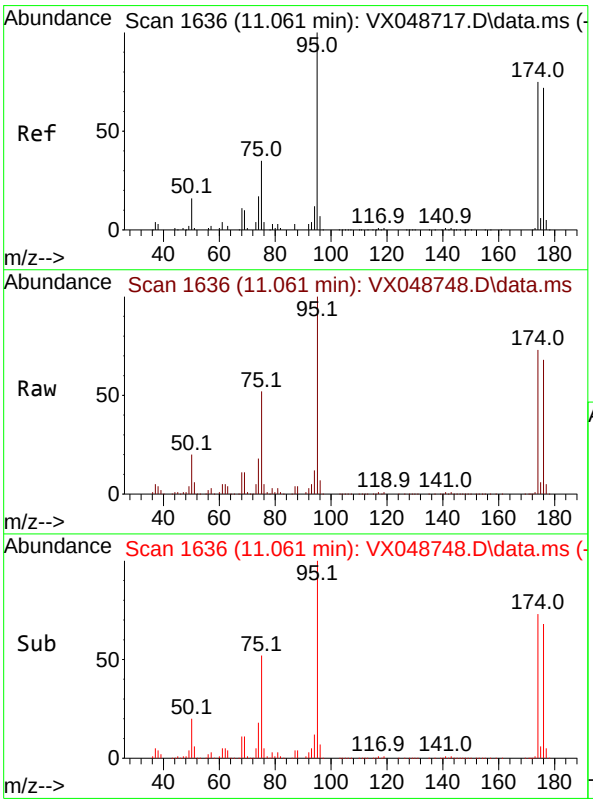
#50
Toluene-d8
Concen: 47.039 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

Tgt Ion: 98 Resp: 465280

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.4	80.0

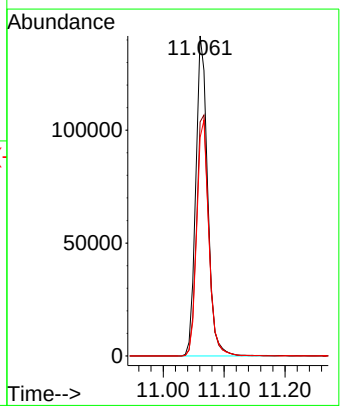




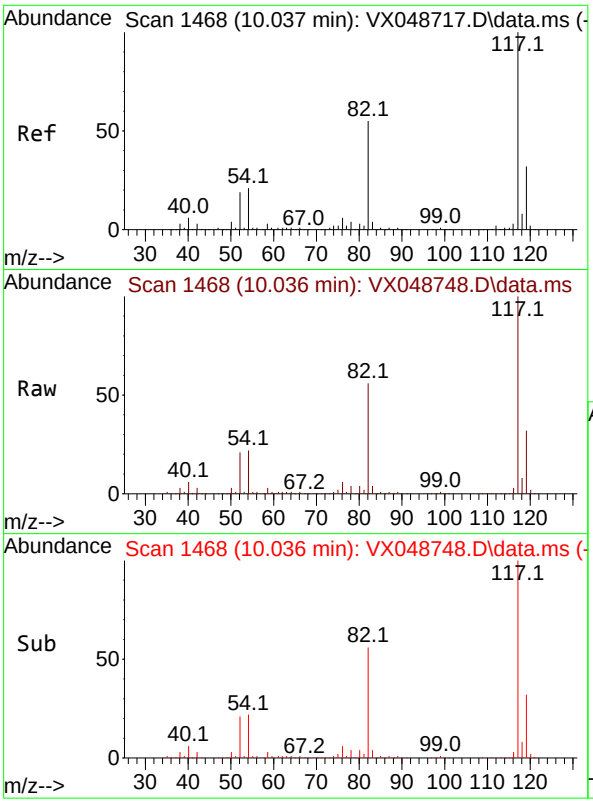
#62
4-Bromofluorobenzene
Concen: 56.102 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion: 95 Resp: 191359

Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	157.8
176	75.0	0.0	154.0



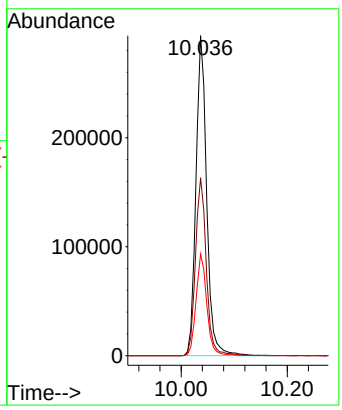
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

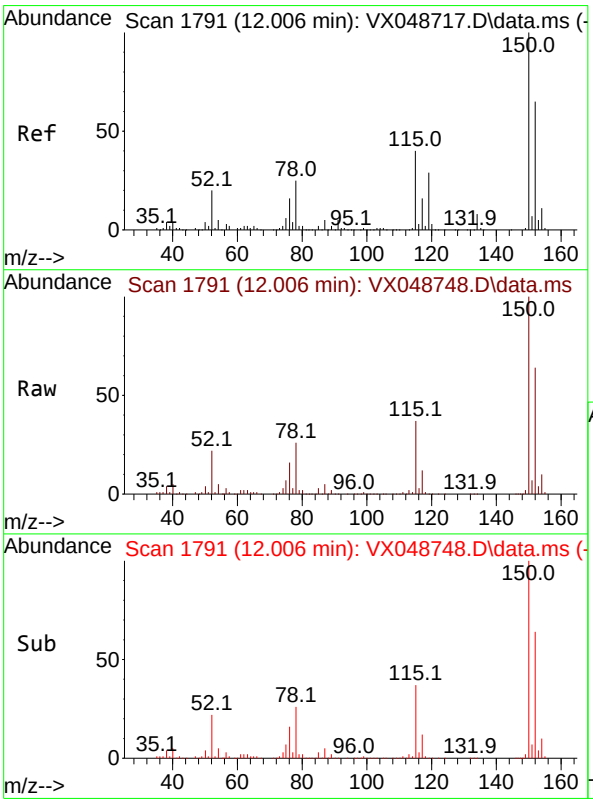


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion:117 Resp: 413547

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.1	66.1
119	31.8	25.2	37.8

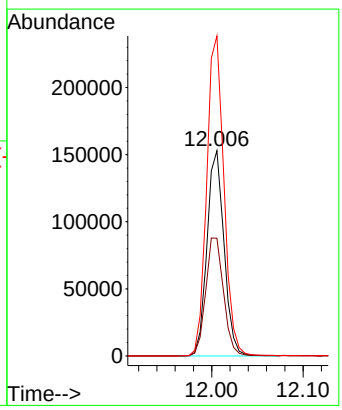




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

Tgt Ion:152 Resp: 197728

Ion	Ratio	Lower	Upper
152	100		
115	60.2	42.1	126.4
150	157.5	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088450.D
Acq On : 04 Dec 2025 16:48
Operator : JC\MD
Sample : Q3757-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 05 00:18:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	201753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	451562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	439722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	210586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	203838	53.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.260%			
35) Dibromofluoromethane	8.147	113	146660	46.867	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.740%			
50) Toluene-d8	10.541	98	516378	44.349	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.700%			
62) 4-Bromofluorobenzene	12.829	95	197862	49.526	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.060%			
Target Compounds						Qvalue
16) Acetone	4.412	43	17456m	12.700	ug/l	

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

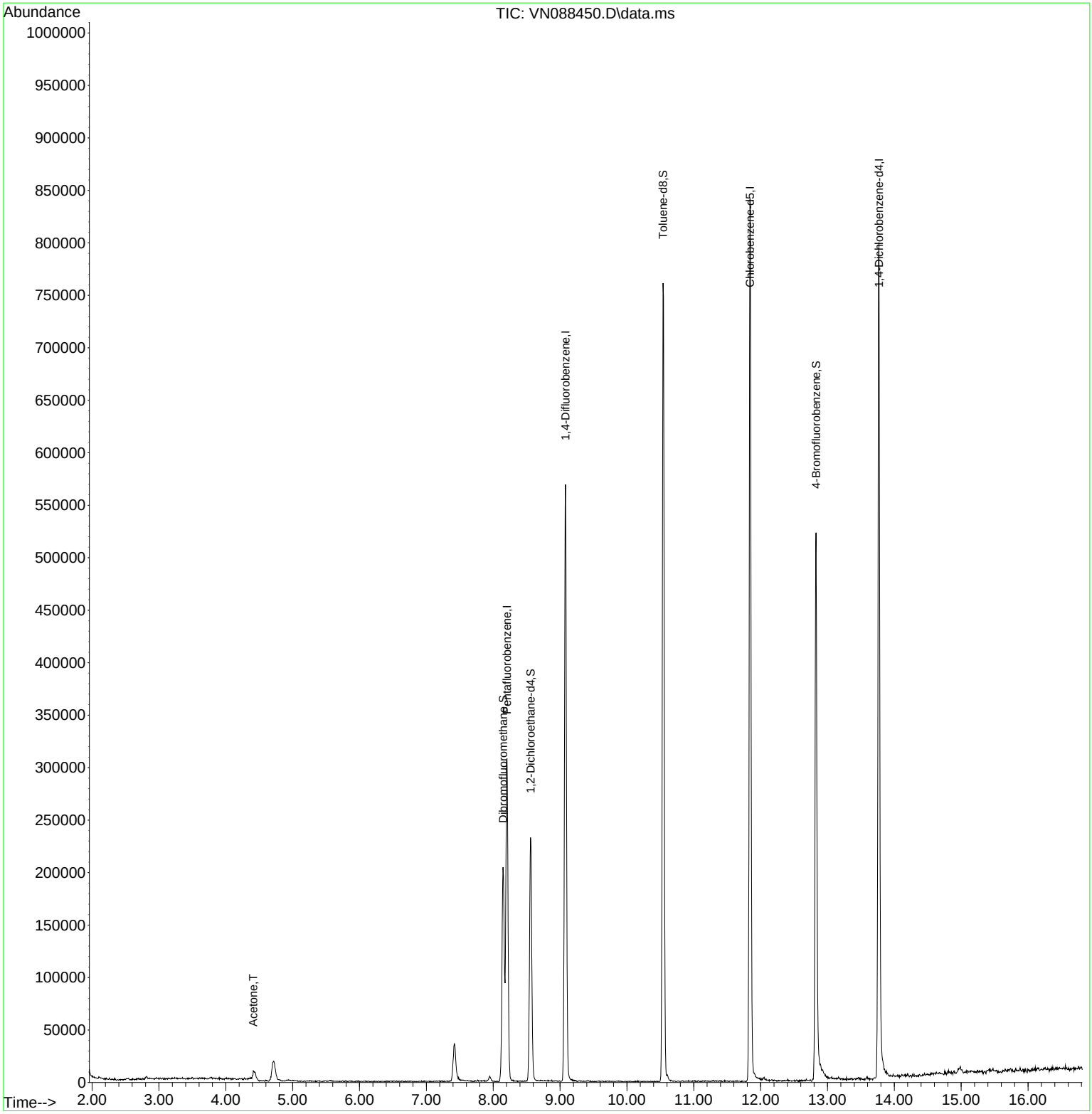
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088450.D
Acq On : 04 Dec 2025 16:48
Operator : JC\MD
Sample : Q3757-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

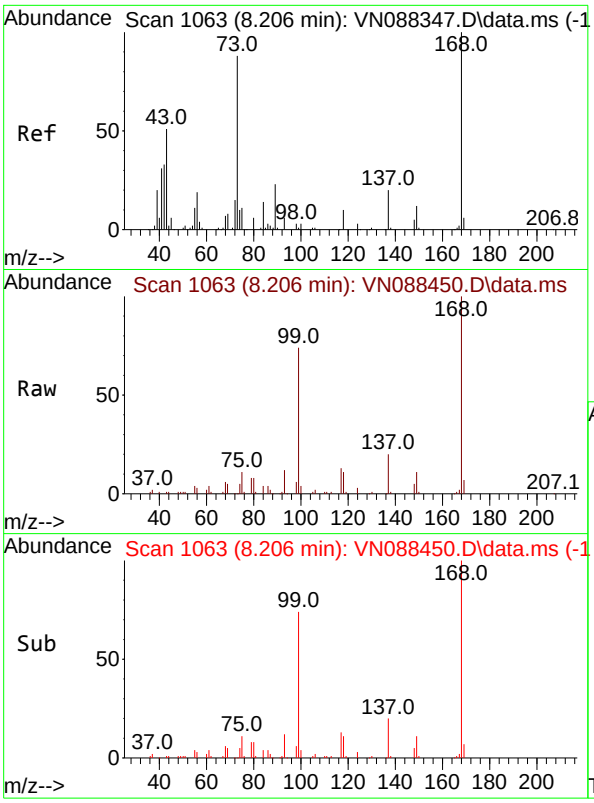
Quant Time: Dec 05 00:18:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

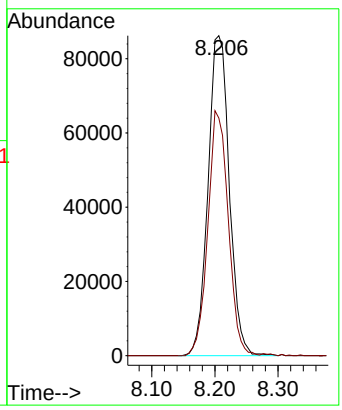




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion:168 Resp: 20175

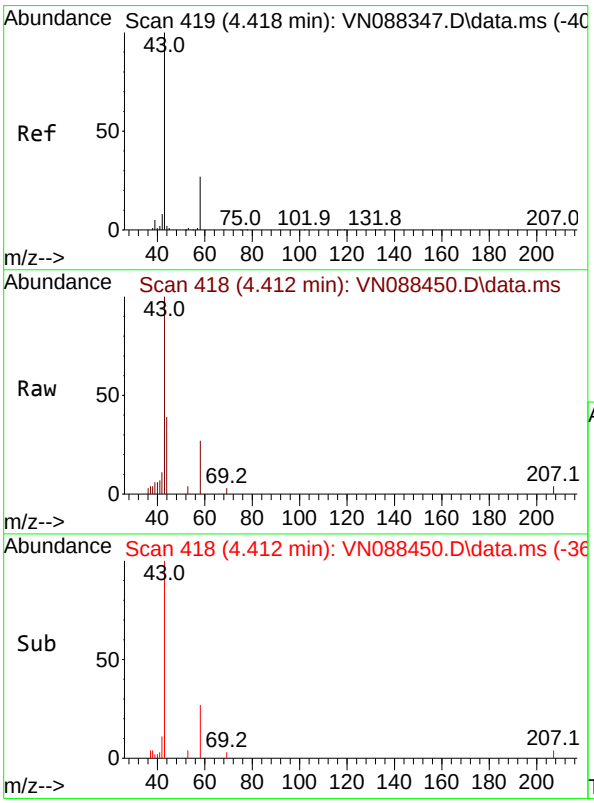
Ion	Ratio	Lower	Upper
168	100		
99	74.3	57.1	85.7



Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

Manual Integrations
APPROVED

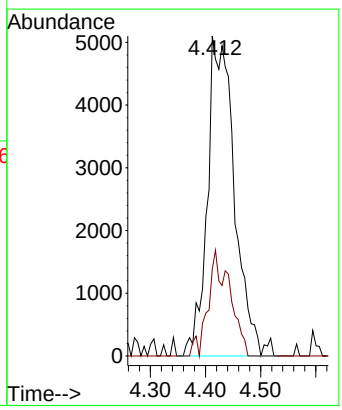
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

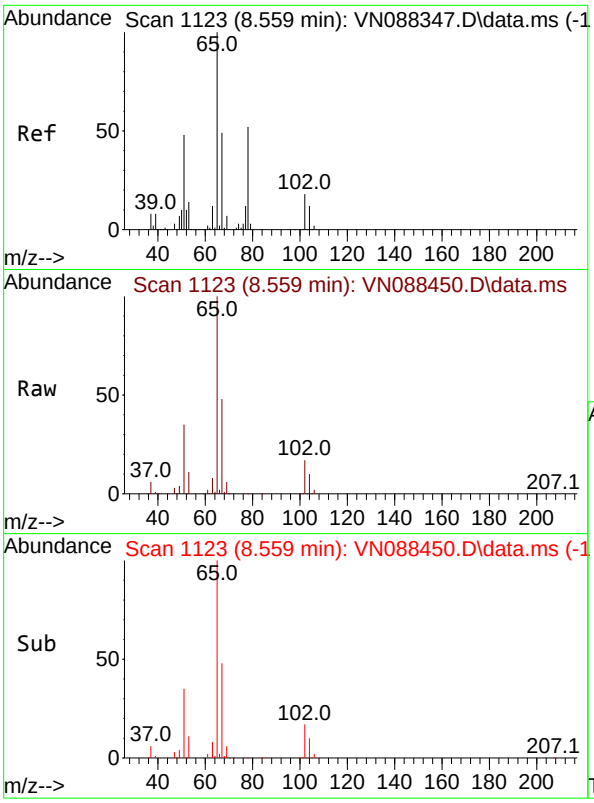


#16
Acetone
Concen: 12.700 ug/l m
RT: 4.412 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion: 43 Resp: 17456

Ion	Ratio	Lower	Upper
43	100		
58	27.1	21.7	32.5

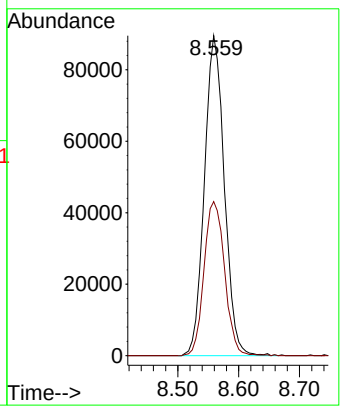




#33
1,2-Dichloroethane-d4
Concen: 53.633 ug/l
RT: 8.559 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion: 65 Resp: 20383

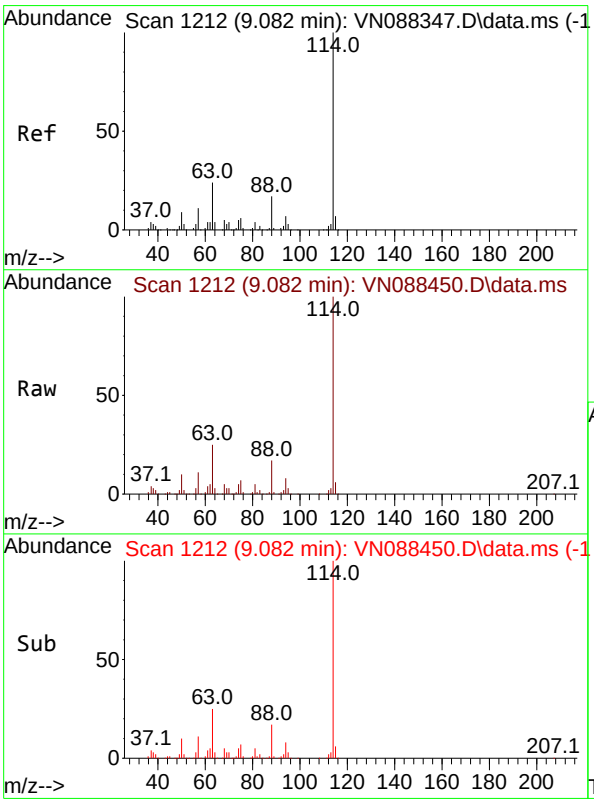
Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	100.8



Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

Manual Integrations
APPROVED

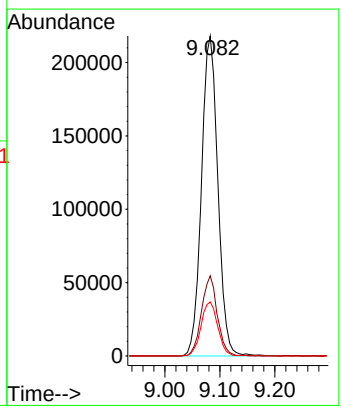
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

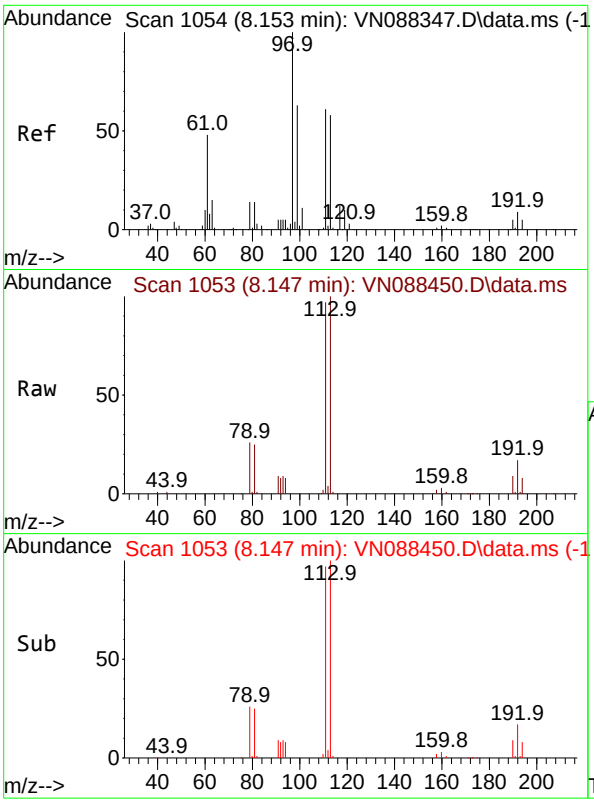


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion:114 Resp: 451562

Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	49.0
88	16.9	0.0	34.0

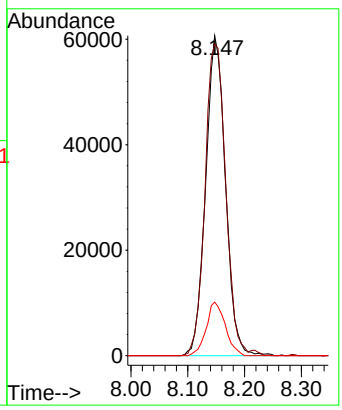




#35
Dibromofluoromethane
Concen: 46.867 ug/l
RT: 8.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion:113 Resp: 14666

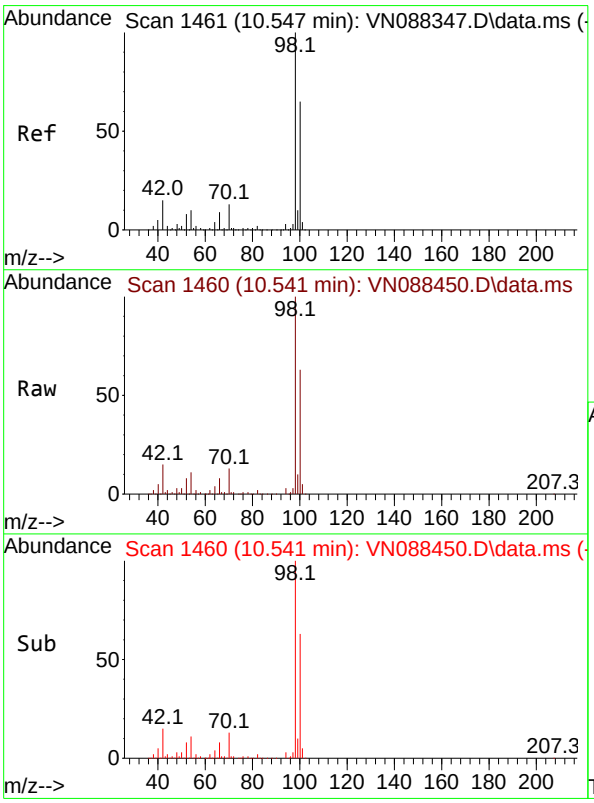
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.5	123.7
192	16.2	12.8	19.2



Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

Manual Integrations
APPROVED

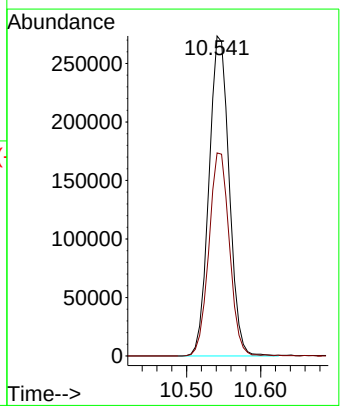
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

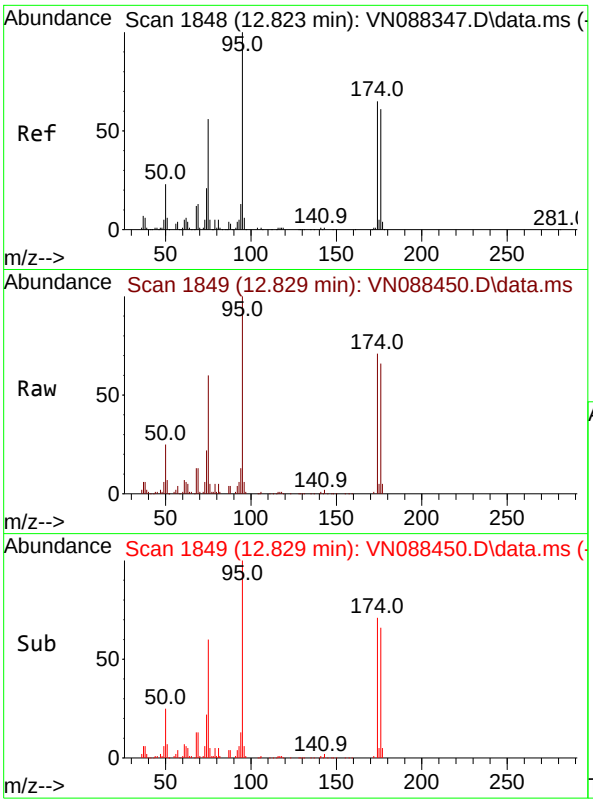


#50
Toluene-d8
Concen: 44.349 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion: 98 Resp: 516378

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2





#62
4-Bromofluorobenzene
Concen: 49.526 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

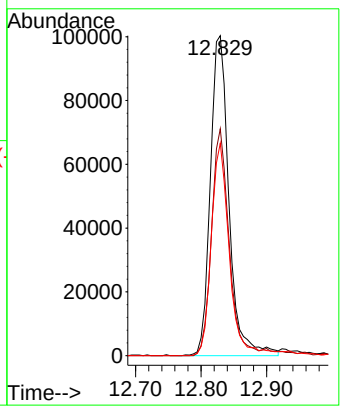
Tgt Ion: 95 Resp: 19786

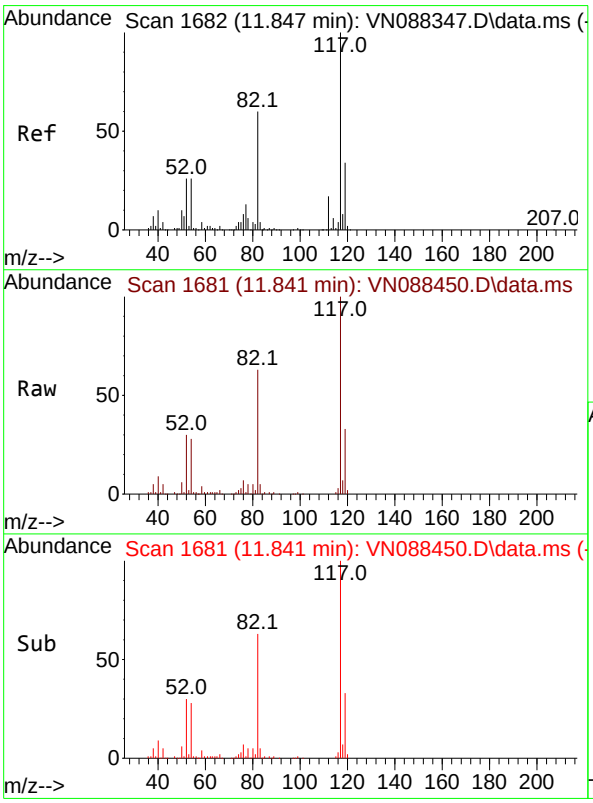
Ion	Ratio	Lower	Upper
95	100		
174	66.5	0.0	139.0
176	64.3	0.0	132.4

Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

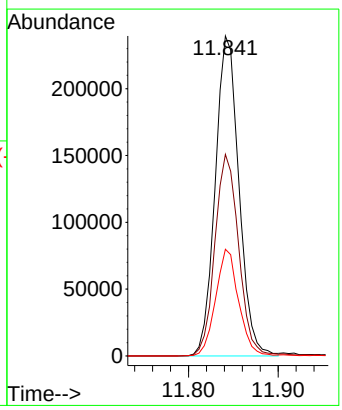


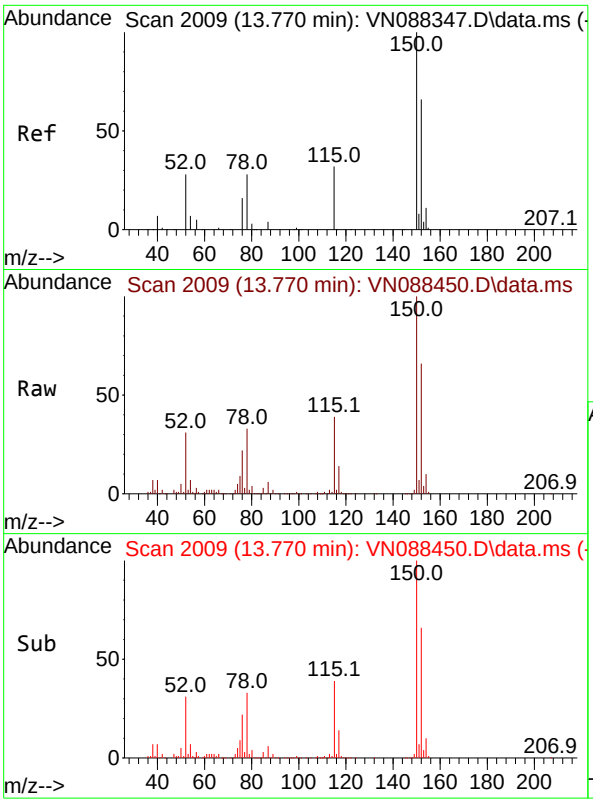


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion:117 Resp: 439722

Ion	Ratio	Lower	Upper
117	100		
82	63.0	47.8	71.8
119	33.4	26.9	40.3

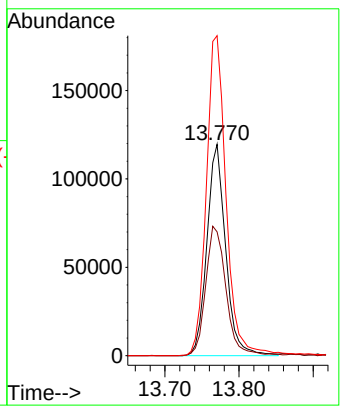




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion:152 Resp: 21058

Ion	Ratio	Lower	Upper
152	100		
115	66.3	33.0	98.9
150	160.2	0.0	349.0



Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088449.D
Acq On : 04 Dec 2025 16:28
Operator : JC\MD
Sample : Q3757-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB01-120325

Quant Time: Dec 05 00:17:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	198228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	454339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	441078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	210629	56.405	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.820%			
35) Dibromofluoromethane	8.147	113	148440	47.146	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.300%			
50) Toluene-d8	10.541	98	527723	45.047	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.100%			
62) 4-Bromofluorobenzene	12.829	95	210610	52.395	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.800%			

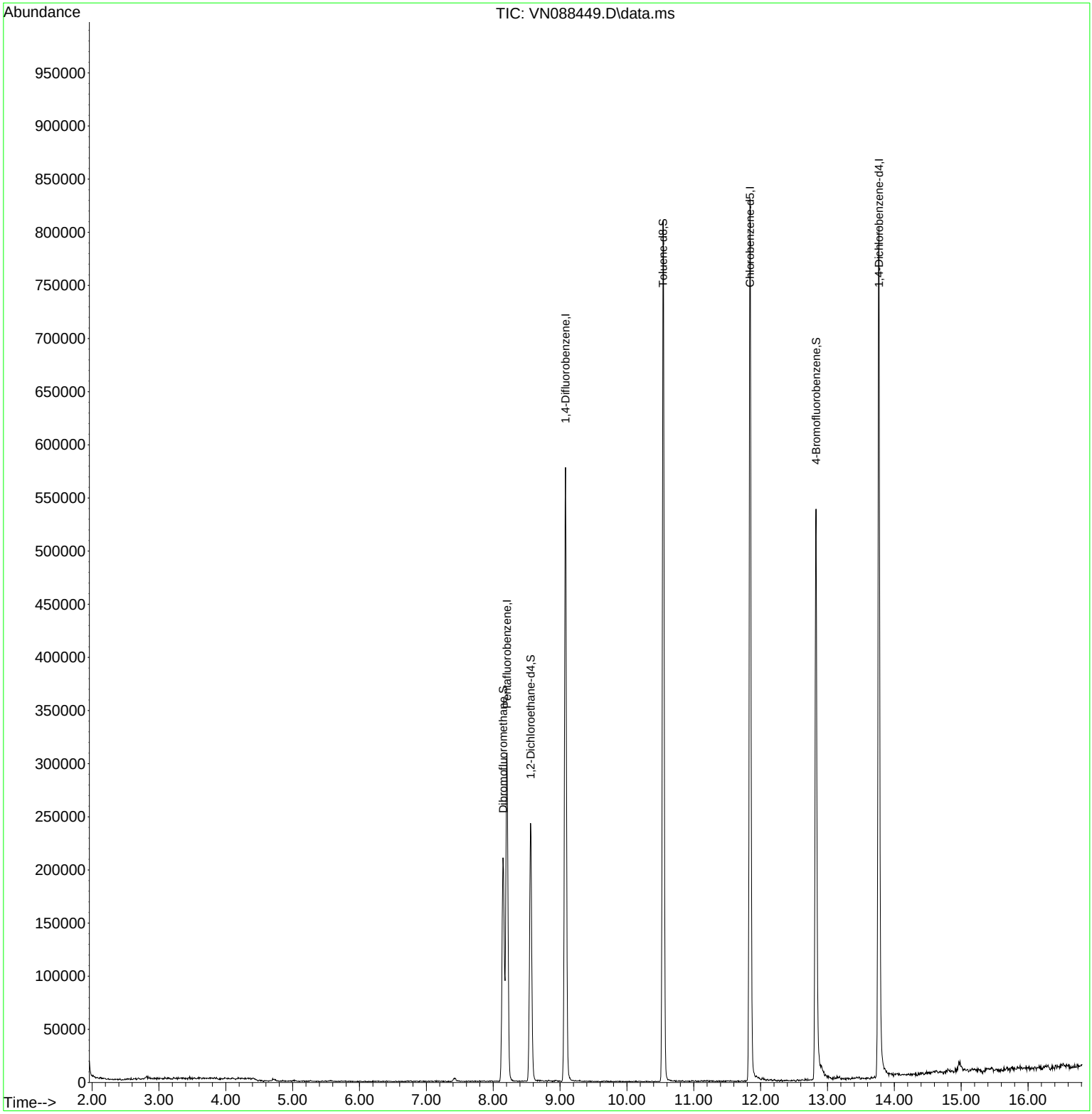
Target Compounds	Qvalue

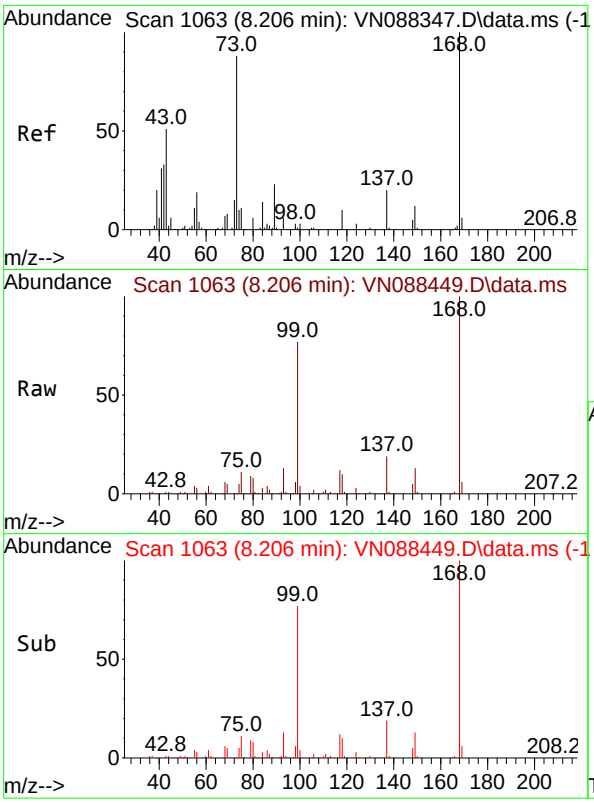
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088449.D
Acq On : 04 Dec 2025 16:28
Operator : JC\MD
Sample : Q3757-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB01-120325

Quant Time: Dec 05 00:17:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration



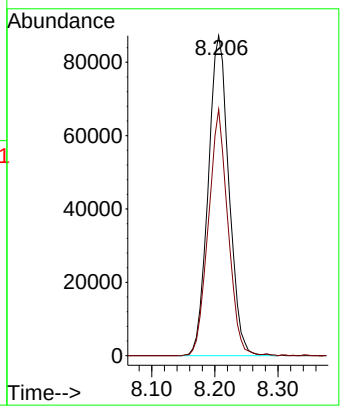


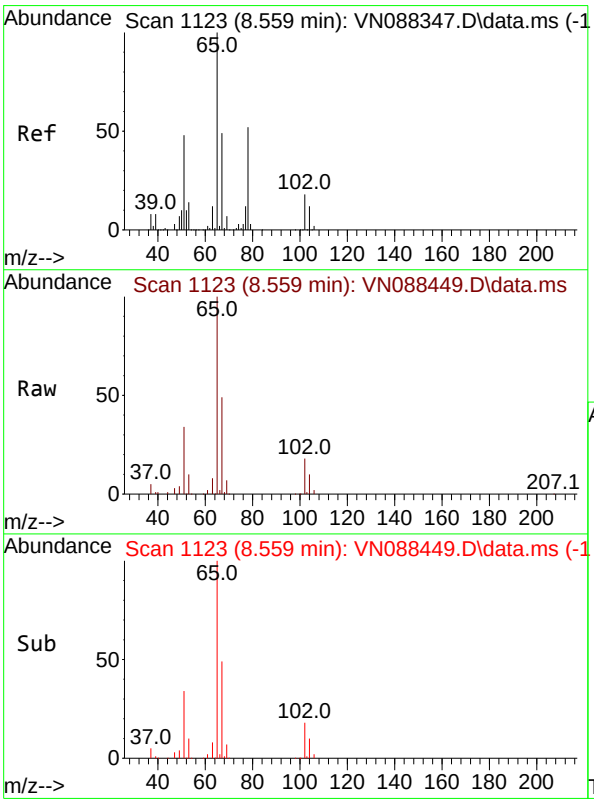
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
TB01-120325

Tgt Ion:168 Resp: 198228

Ion	Ratio	Lower	Upper
168	100		
99	77.0	57.1	85.7

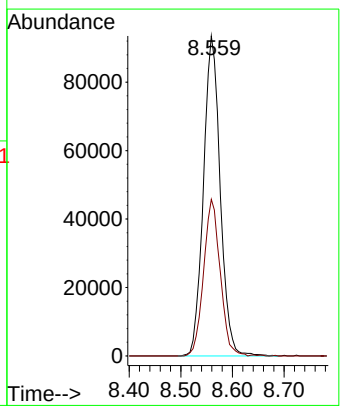


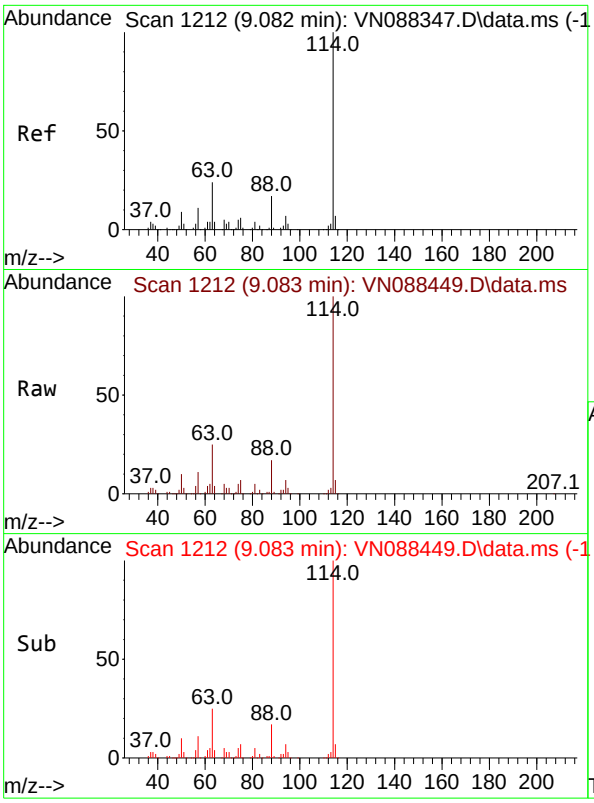


#33
1,2-Dichloroethane-d4
Concen: 56.405 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

Tgt Ion: 65 Resp: 210629

Ion	Ratio	Lower	Upper
65	100		
67	48.4	0.0	100.8



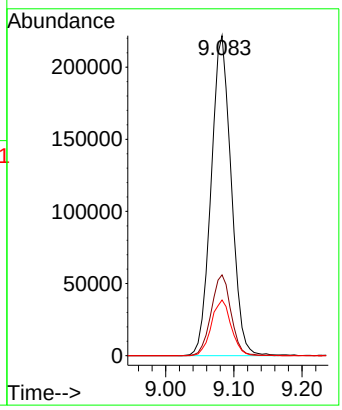


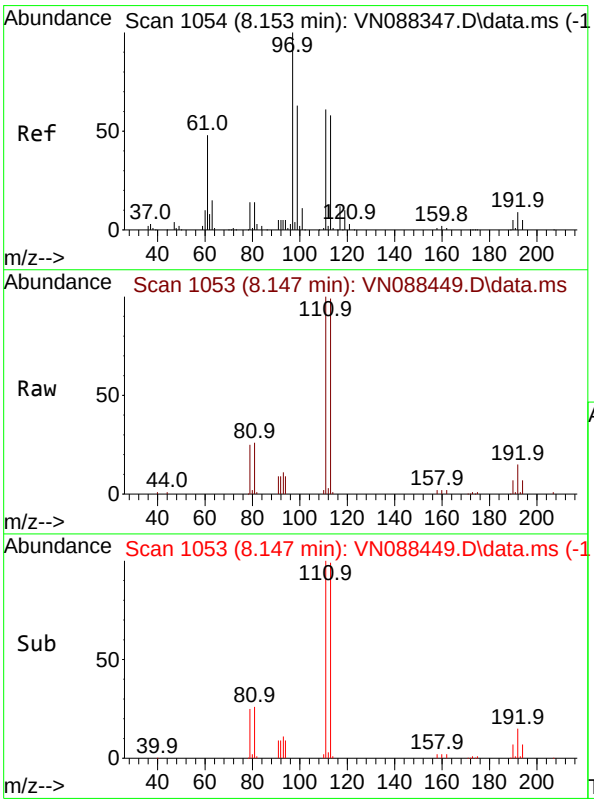
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
TB01-120325

Tgt Ion:114 Resp: 454339

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.0
88	17.4	0.0	34.0

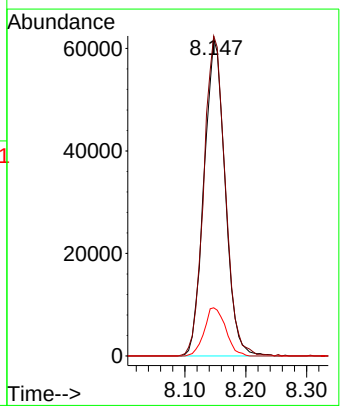


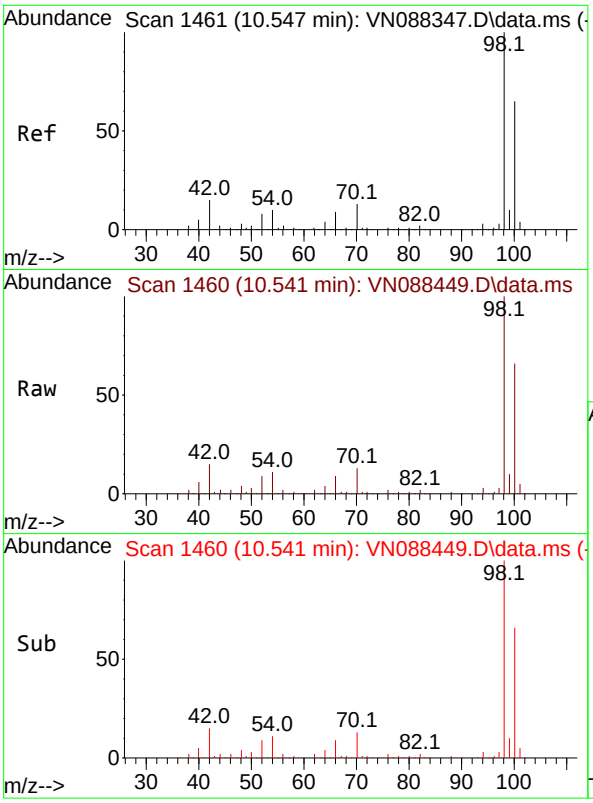


#35
Dibromofluoromethane
Concen: 47.146 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

Tgt Ion:113 Resp: 148440

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.5	123.7
192	15.4	12.8	19.2



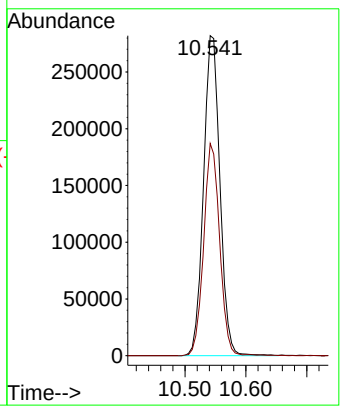


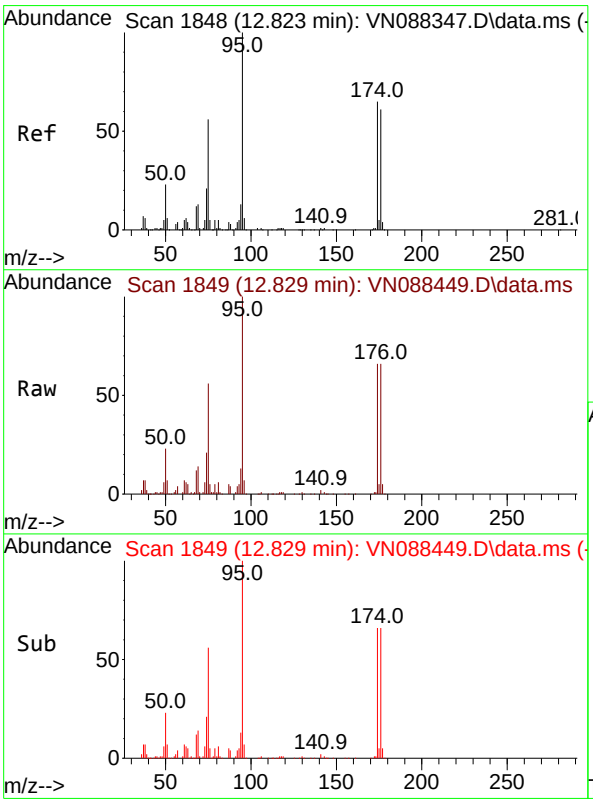
#50
Toluene-d8
Concen: 45.047 ug/l
RT: 10.541 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
TB01-120325

Tgt Ion: 98 Resp: 527723

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2

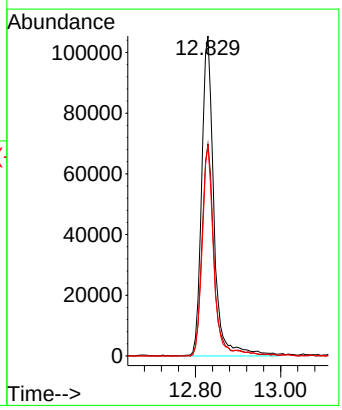


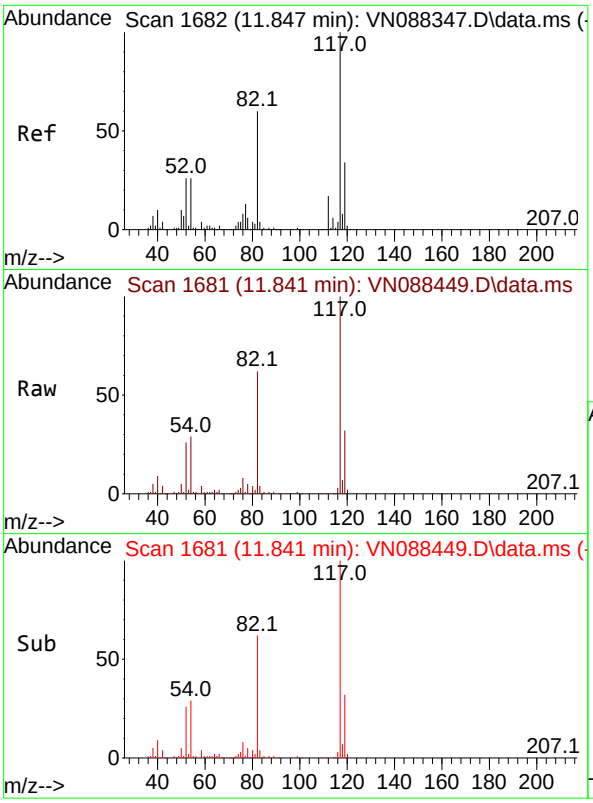


#62
4-Bromofluorobenzene
Concen: 52.395 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

Tgt Ion: 95 Resp: 210610

Ion	Ratio	Lower	Upper
95	100		
174	62.5	0.0	139.0
176	62.3	0.0	132.4



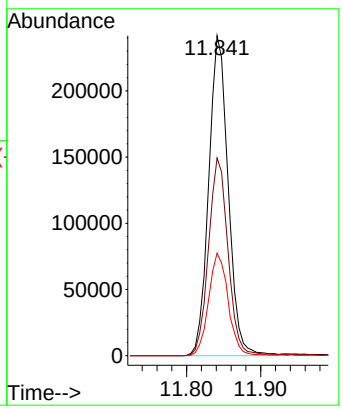


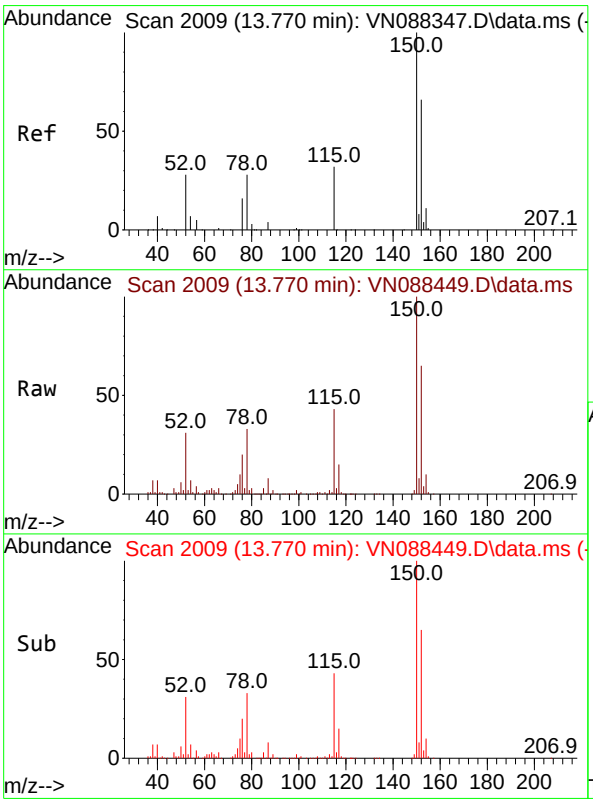
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
TB01-120325

Tgt Ion:117 Resp: 441078

Ion	Ratio	Lower	Upper
117	100		
82	61.8	47.8	71.8
119	32.0	26.9	40.3

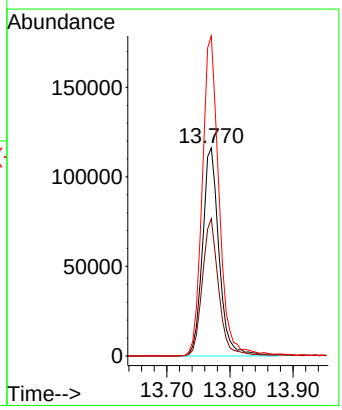




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

Tgt Ion:152 Resp: 211349

Ion	Ratio	Lower	Upper
152	100		
115	65.0	33.0	98.9
150	156.8	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088439.D
Acq On : 04 Dec 2025 12:38
Operator : JC\MD
Sample : VN1204WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

Quant Time: Dec 05 00:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	236600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	556948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	555675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	258091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	275126	61.728	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 123.460%			
35) Dibromofluoromethane	8.147	113	196090	50.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.620%			
50) Toluene-d8	10.541	98	670134	46.664	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.320%			
62) 4-Bromofluorobenzene	12.829	95	246023	49.929	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.860%			

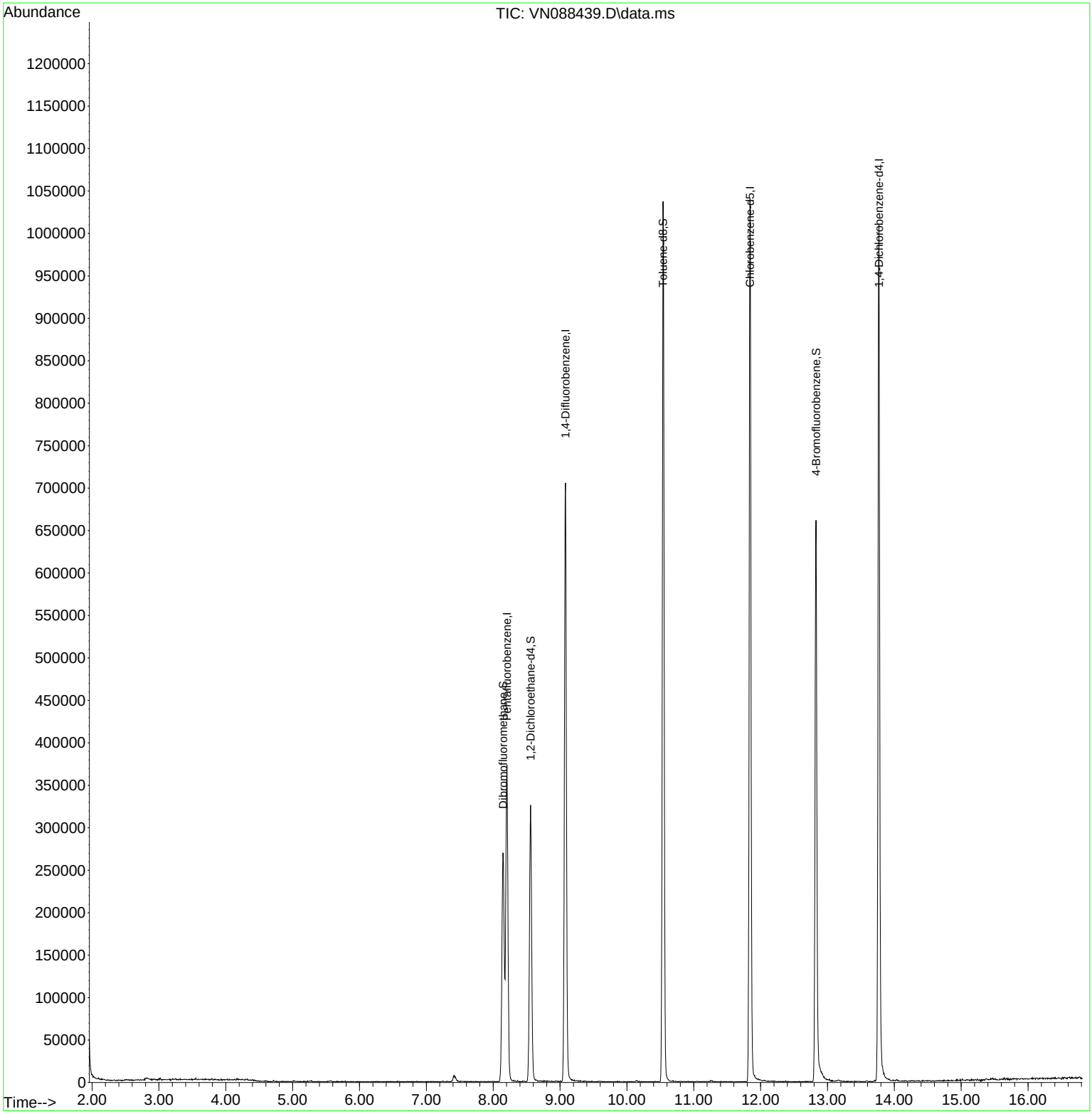
Target Compounds Qvalue

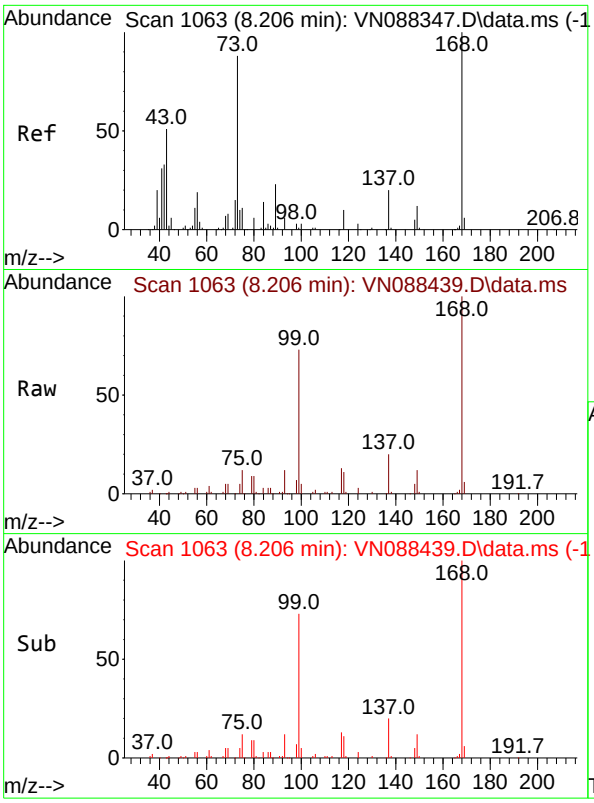
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088439.D
Acq On : 04 Dec 2025 12:38
Operator : JC\MD
Sample : VN1204WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

Quant Time: Dec 05 00:12:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration



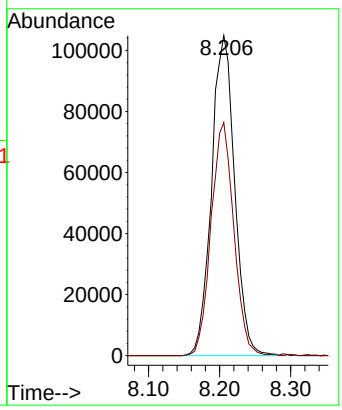


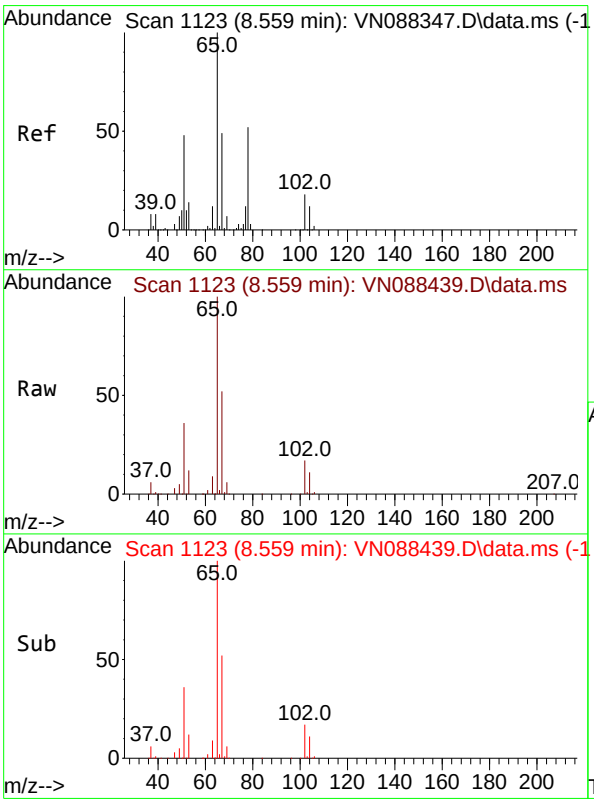
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088439.D
Acq: 04 Dec 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

Tgt Ion:168 Resp: 236600

Ion	Ratio	Lower	Upper
168	100		
99	72.9	57.1	85.7

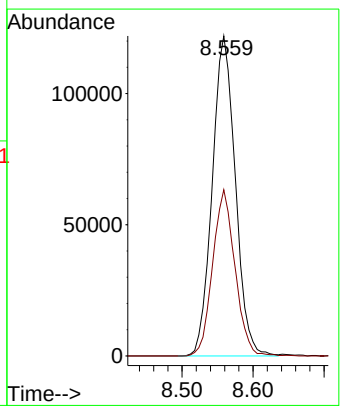


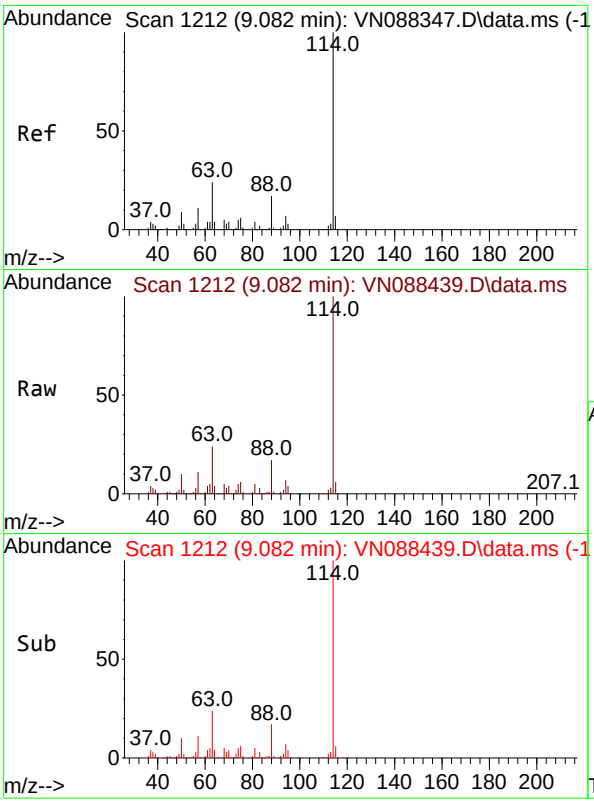


#33
1,2-Dichloroethane-d4
Concen: 61.728 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088439.D
Acq: 04 Dec 2025 12:38

Tgt Ion: 65 Resp: 275126

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	100.8



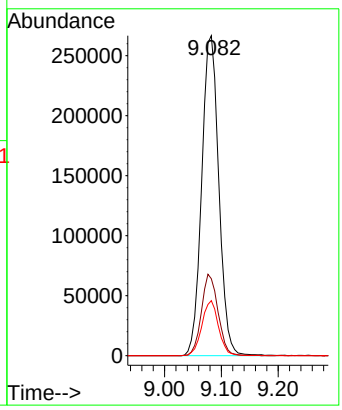


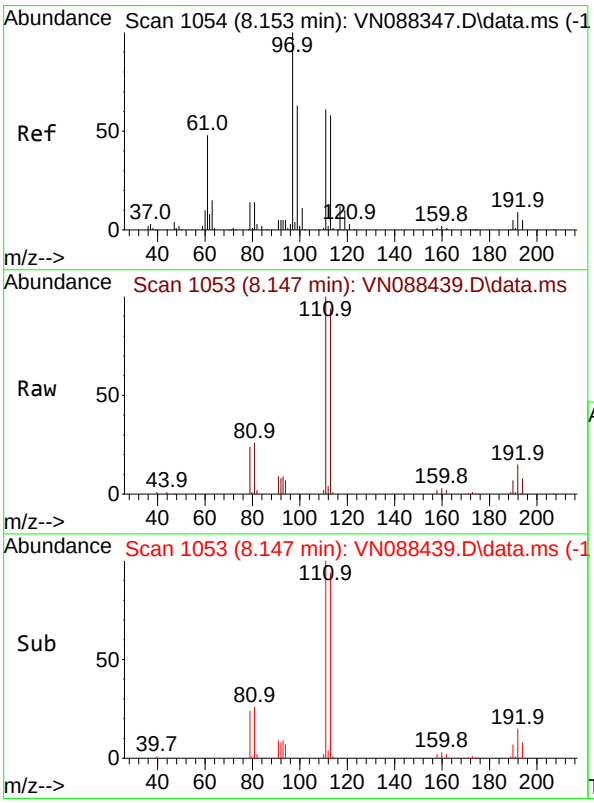
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088439.D
Acq: 04 Dec 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

Tgt Ion:114 Resp: 556948

Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	49.0
88	17.2	0.0	34.0

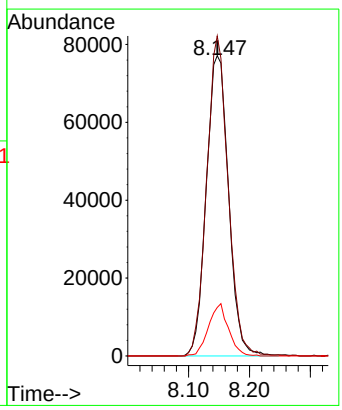


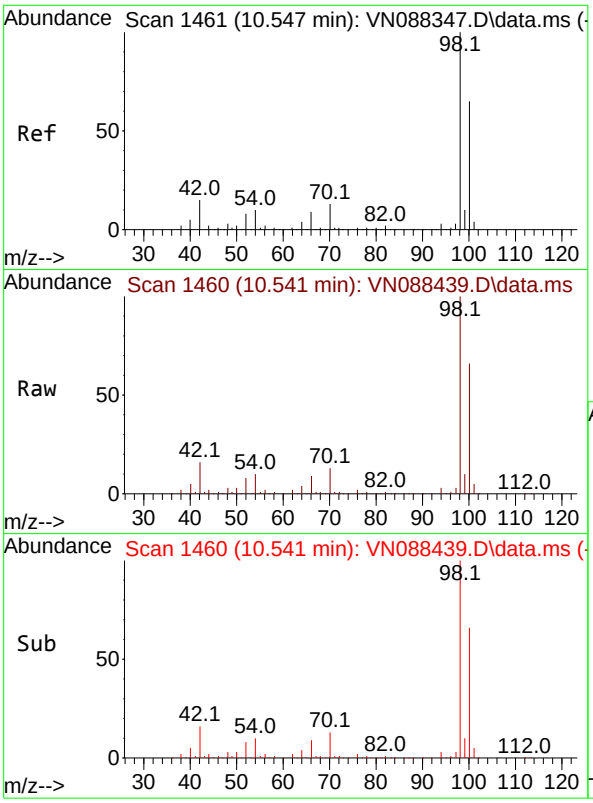


#35
Dibromofluoromethane
Concen: 50.805 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088439.D
Acq: 04 Dec 2025 12:38

Tgt Ion:113 Resp: 196090

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.5	123.7
192	15.6	12.8	19.2



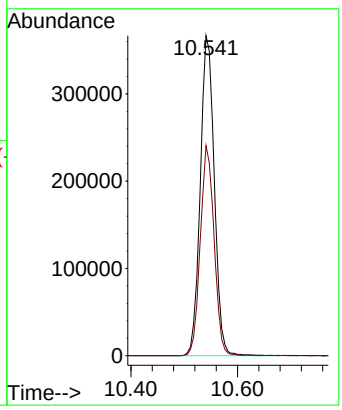


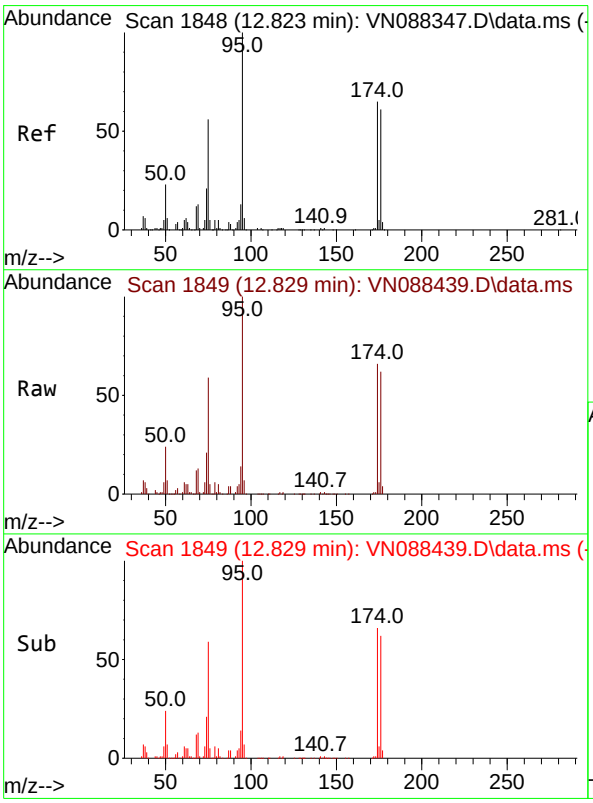
#50
Toluene-d8
Concen: 46.664 ug/l
RT: 10.541 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN088439.D
Acq: 04 Dec 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

Tgt Ion: 98 Resp: 670134

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.2	78.2

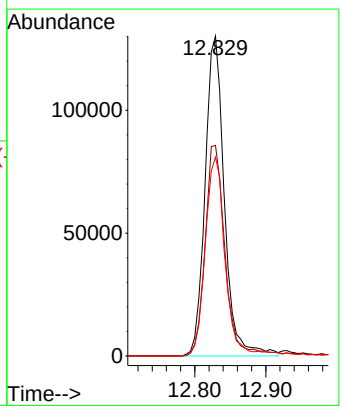


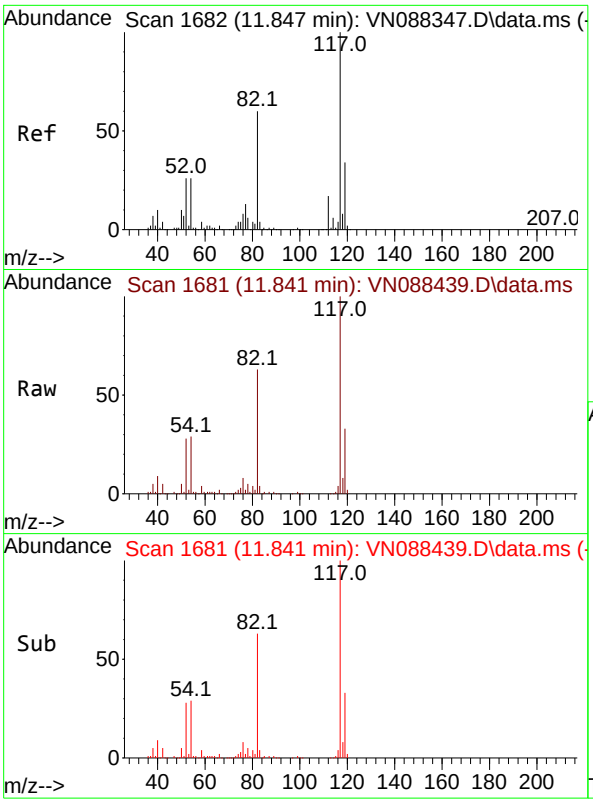


#62
4-Bromofluorobenzene
Concen: 49.929 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088439.D
Acq: 04 Dec 2025 12:38

Tgt Ion: 95 Resp: 246023

Ion	Ratio	Lower	Upper
95	100		
174	68.9	0.0	139.0
176	62.6	0.0	132.4



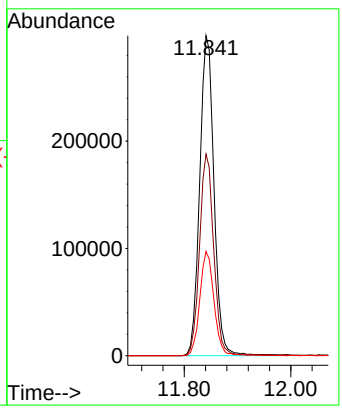


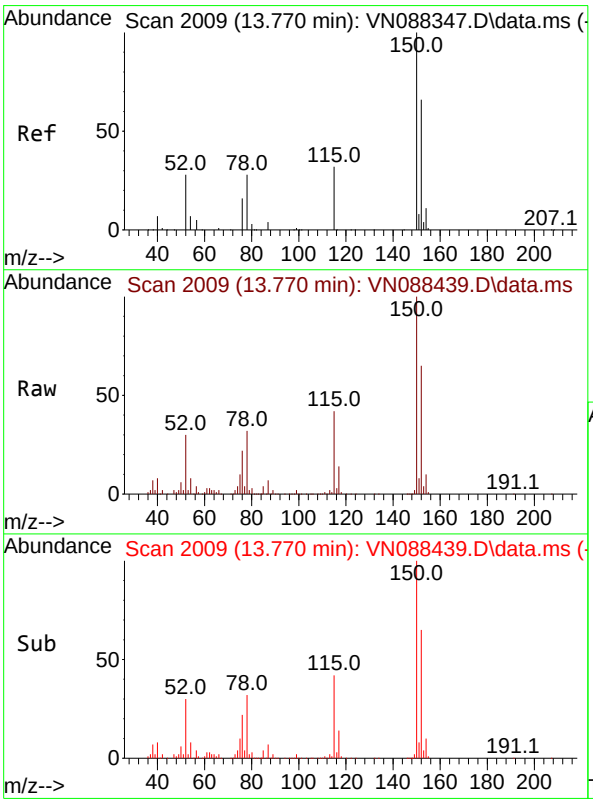
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088439.D
Acq: 04 Dec 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

Tgt Ion:117 Resp: 555675

Ion	Ratio	Lower	Upper
117	100		
82	63.0	47.8	71.8
119	32.6	26.9	40.3

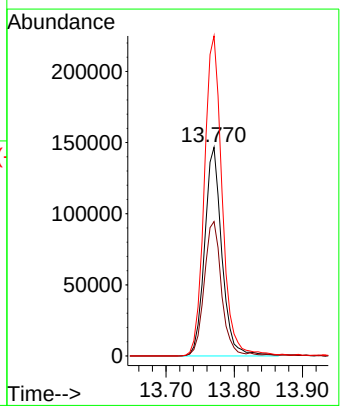




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088439.D
Acq: 04 Dec 2025 12:38

Tgt Ion:152 Resp: 258091

Ion	Ratio	Lower	Upper
152	100		
115	64.9	33.0	98.9
150	158.8	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048725.D
Acq On : 05 Dec 2025 10:34
Operator : JC/MD
Sample : VX1205WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

Quant Time: Dec 05 21:59:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	193187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	291151	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	130501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	131204	50.601	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.200%			
35) Dibromofluoromethane	5.367	113	99604	49.686	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.380%			
50) Toluene-d8	8.629	98	356802	50.775	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.560%			
62) 4-Bromofluorobenzene	11.061	95	146671	60.529	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.060%			

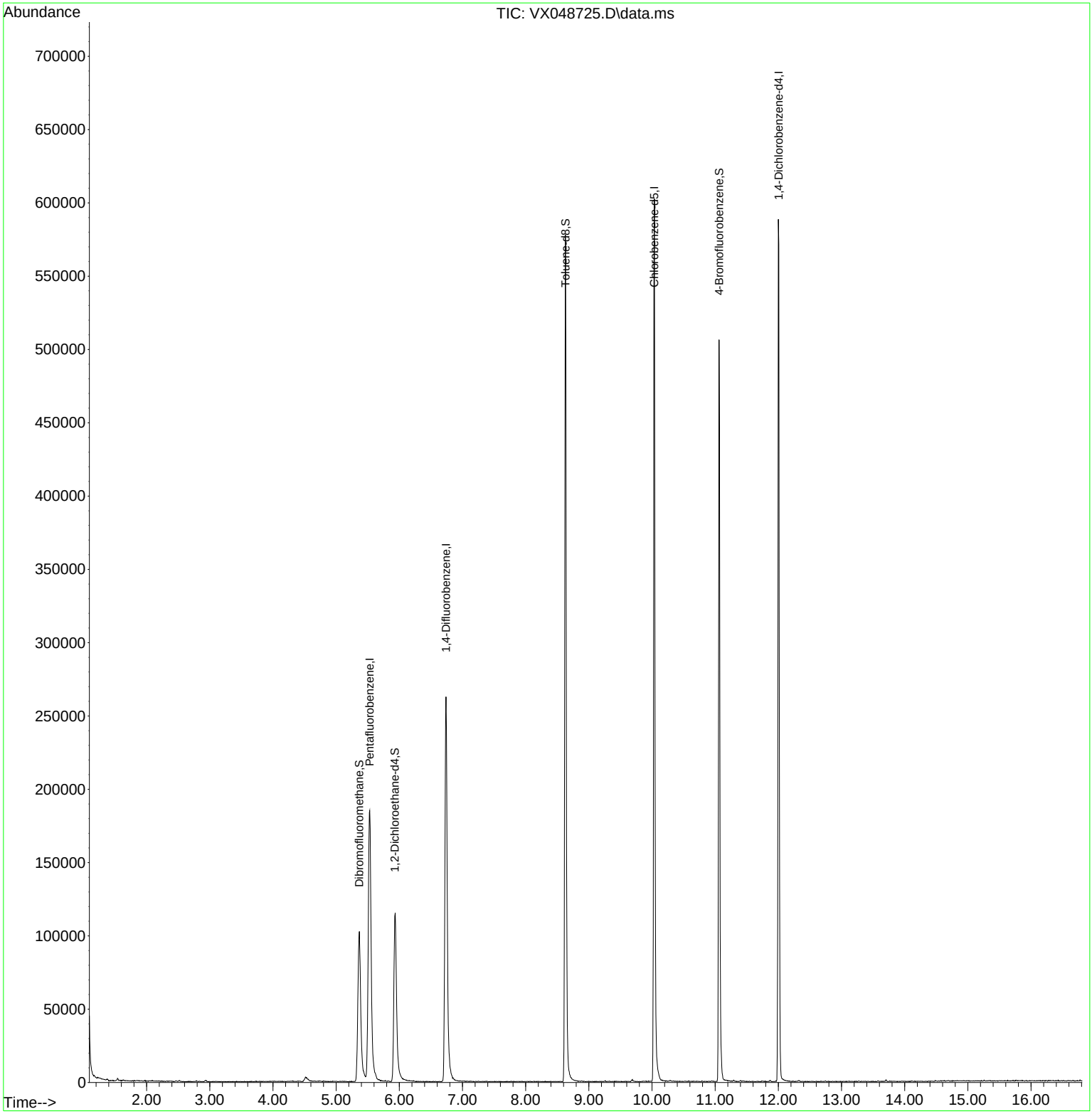
Target Compounds Qvalue

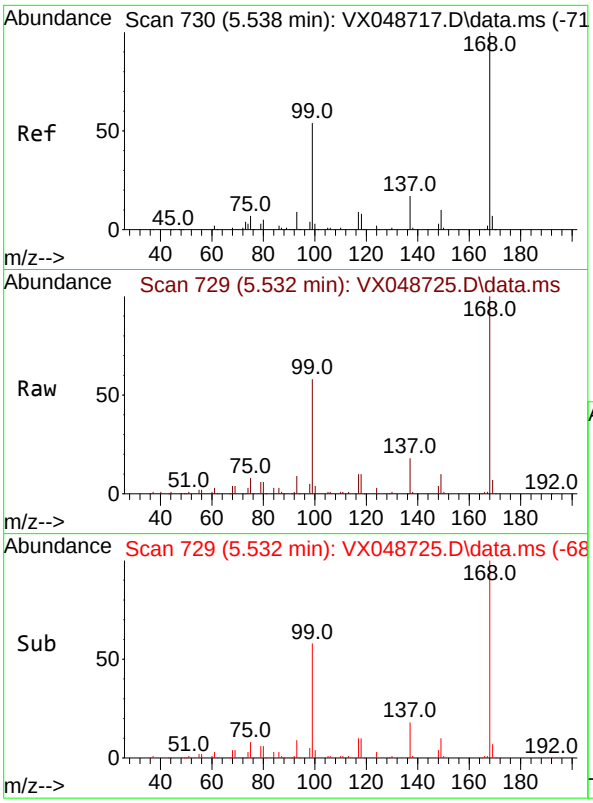
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048725.D
Acq On : 05 Dec 2025 10:34
Operator : JC/MD
Sample : VX1205WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

Quant Time: Dec 05 21:59:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



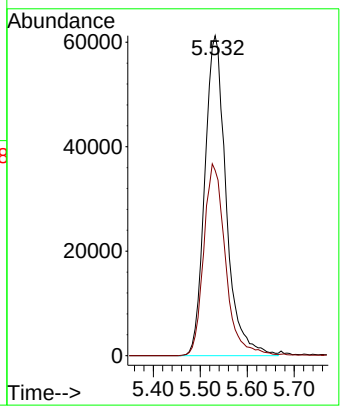


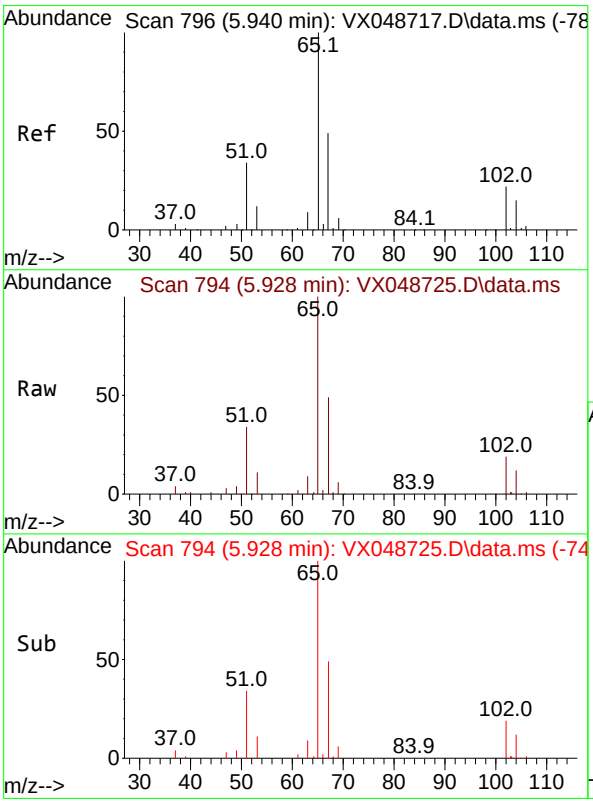
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048725.D
Acq: 05 Dec 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

Tgt Ion:168 Resp: 193187

Ion	Ratio	Lower	Upper
168	100		
99	57.9	44.2	66.4

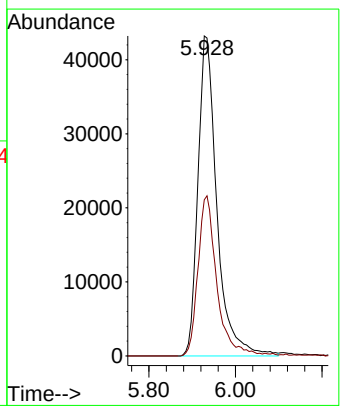


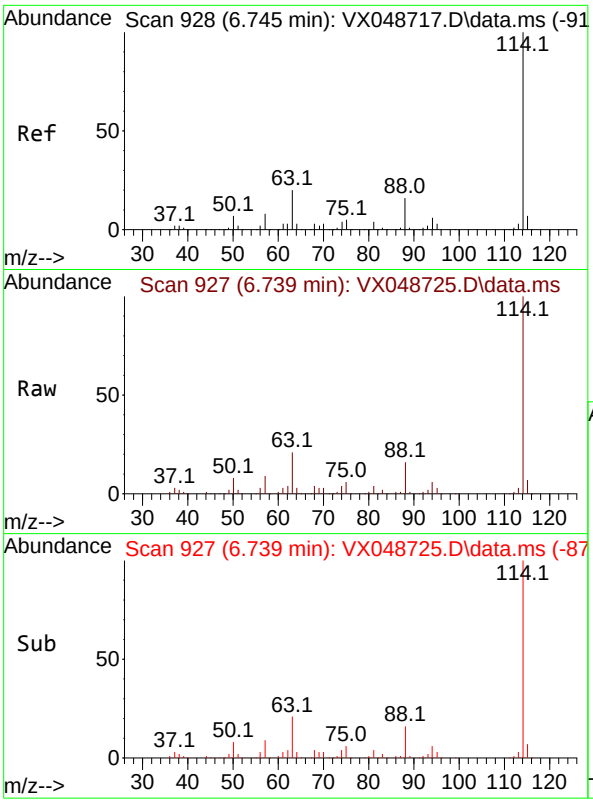


#33
1,2-Dichloroethane-d4
Concen: 50.601 ug/l
RT: 5.928 min Scan# 794
Delta R.T. -0.012 min
Lab File: VX048725.D
Acq: 05 Dec 2025 10:34

Tgt Ion: 65 Resp: 131204

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	107.4



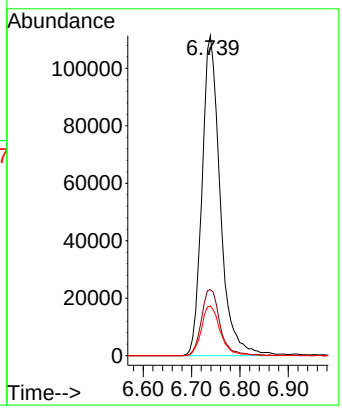


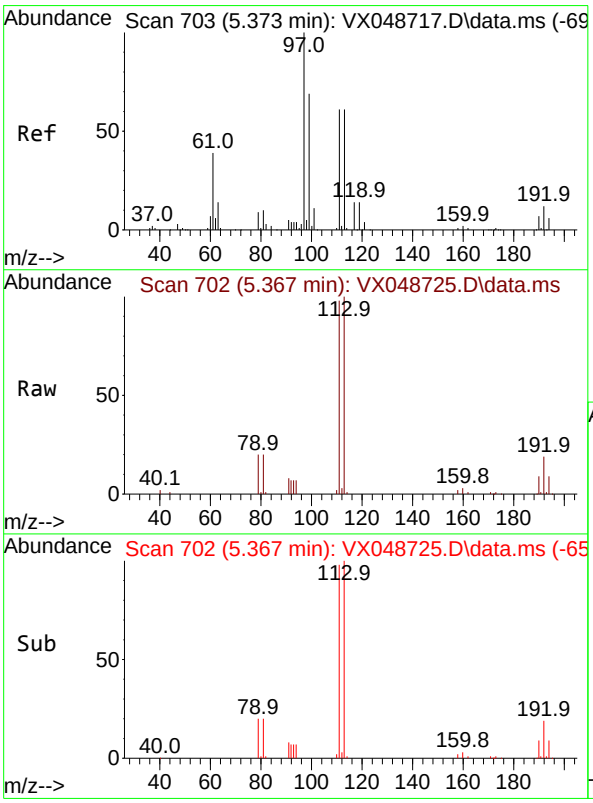
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX048725.D
Acq: 05 Dec 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

Tgt Ion:114 Resp: 291151

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.0
88	15.5	0.0	31.8

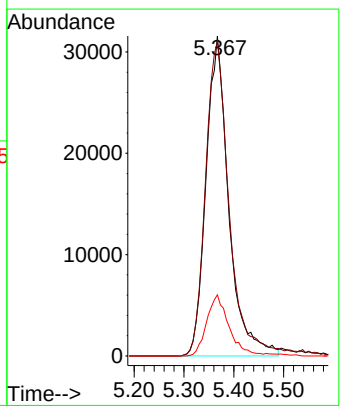


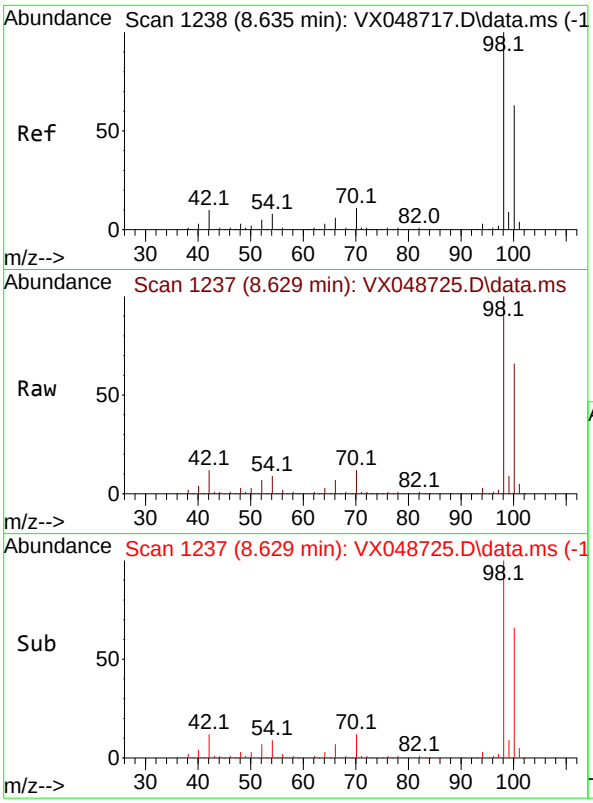


#35
Dibromofluoromethane
Concen: 49.686 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048725.D
Acq: 05 Dec 2025 10:34

Tgt Ion:113 Resp: 99604

Ion	Ratio	Lower	Upper
113	100		
111	103.4	79.5	119.3
192	18.7	16.1	24.1



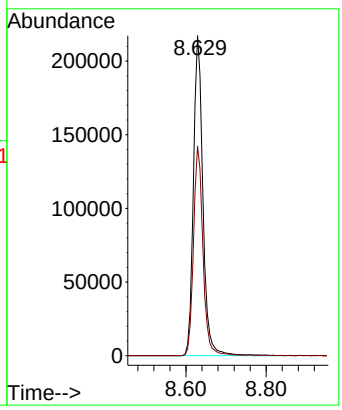


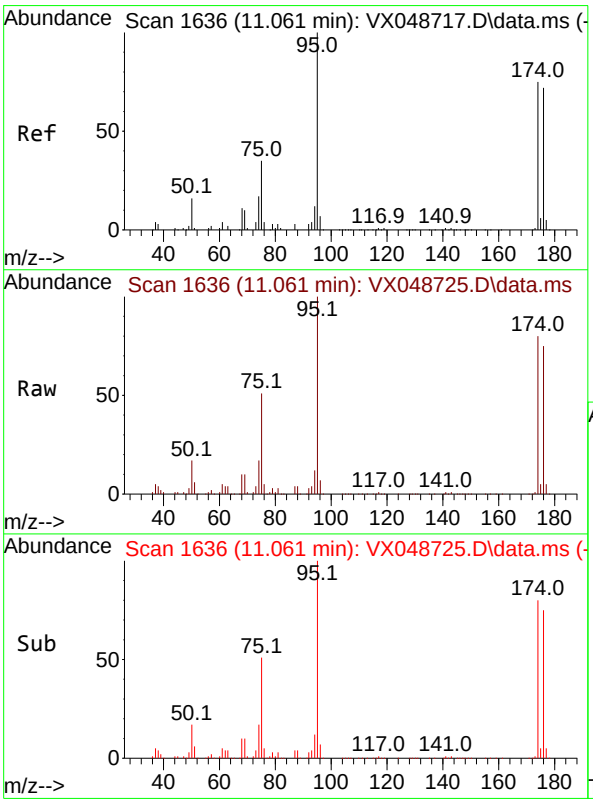
#50
Toluene-d8
Concen: 50.775 ug/l
RT: 8.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048725.D
Acq: 05 Dec 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

Tgt Ion: 98 Resp: 356802

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.4	80.0

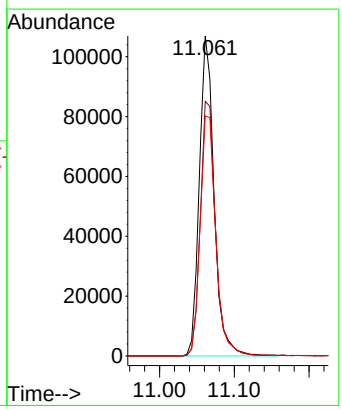


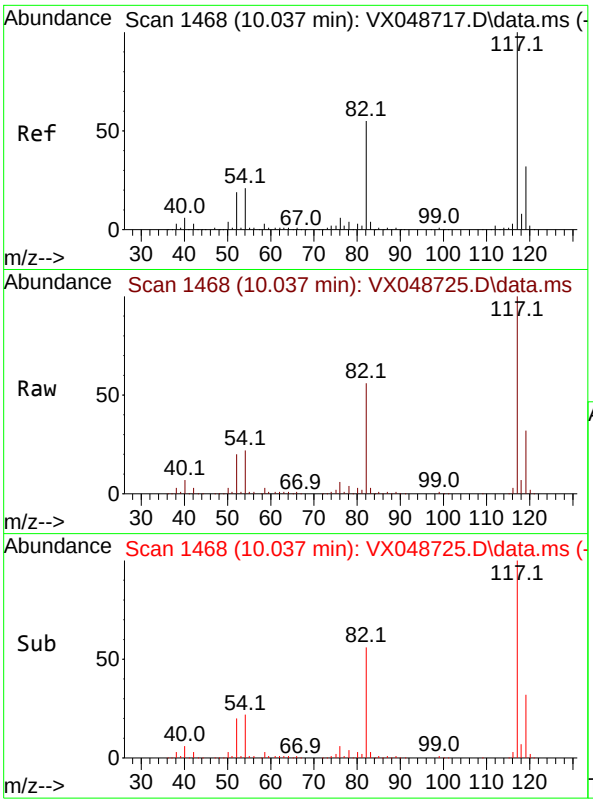


#62
4-Bromofluorobenzene
Concen: 60.529 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048725.D
Acq: 05 Dec 2025 10:34

Tgt Ion: 95 Resp: 146671

Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	157.8
176	79.8	0.0	154.0



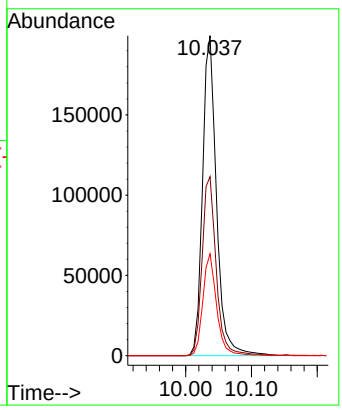


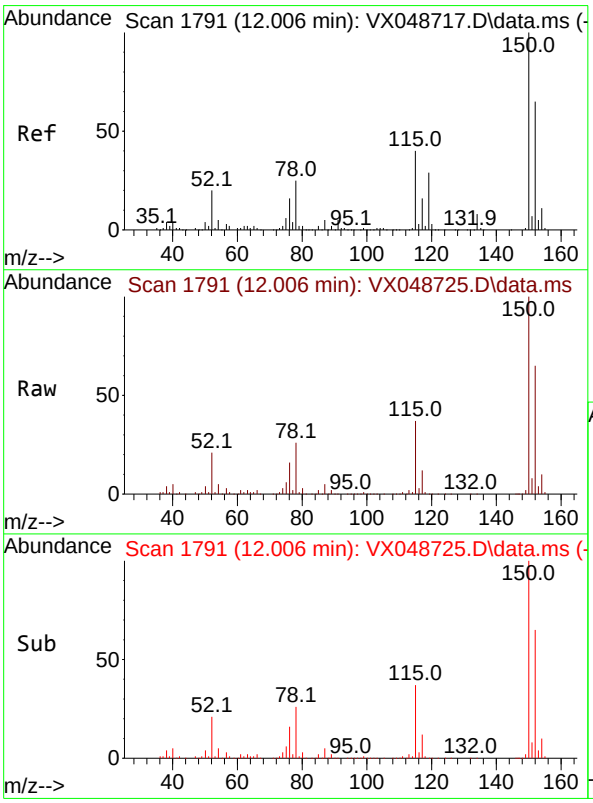
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048725.D
Acq: 05 Dec 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

Tgt Ion:117 Resp: 294164

Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.1	66.1
119	31.9	25.2	37.8

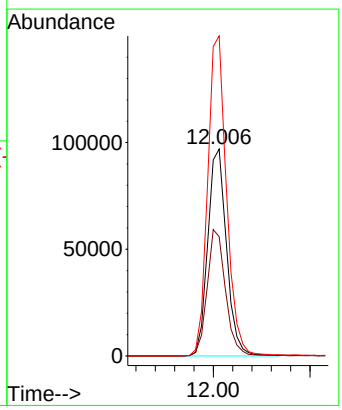




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048725.D
Acq: 05 Dec 2025 10:34

Tgt Ion:152 Resp: 130501

Ion	Ratio	Lower	Upper
152	100		
115	60.2	42.1	126.4
150	155.0	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048744.D
Acq On : 08 Dec 2025 11:15
Operator : JC/MD
Sample : VX1208WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

Quant Time: Dec 09 04:06:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

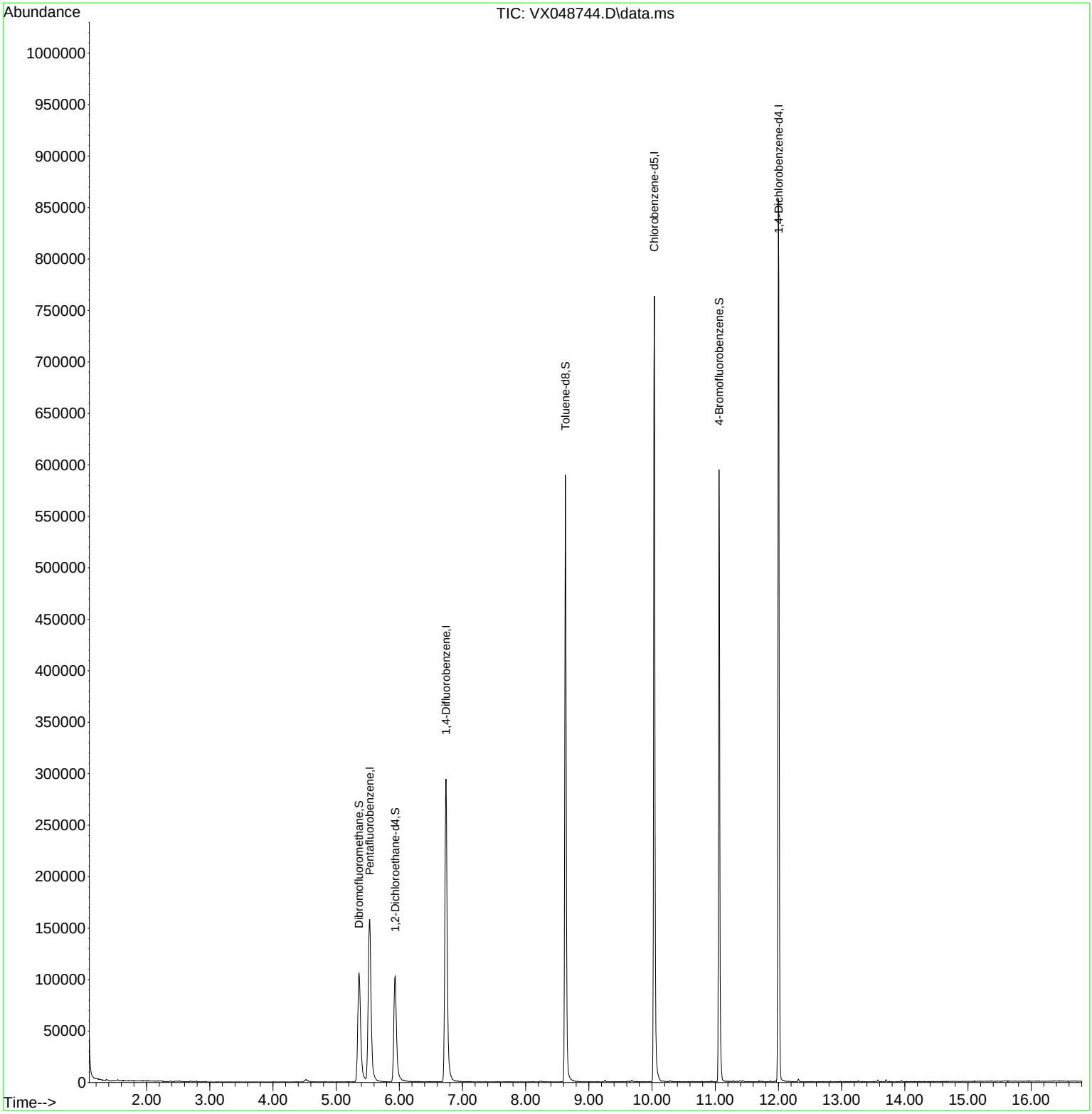
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	173343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	340953	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	370451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	179749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	115181	49.507	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.020%		
35) Dibromofluoromethane	5.361	113	107991	46.001	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.000%		
50) Toluene-d8	8.629	98	372131	45.222	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.440%#		
62) 4-Bromofluorobenzene	11.061	95	158378	55.813	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.620%		
Target Compounds						Qvalue

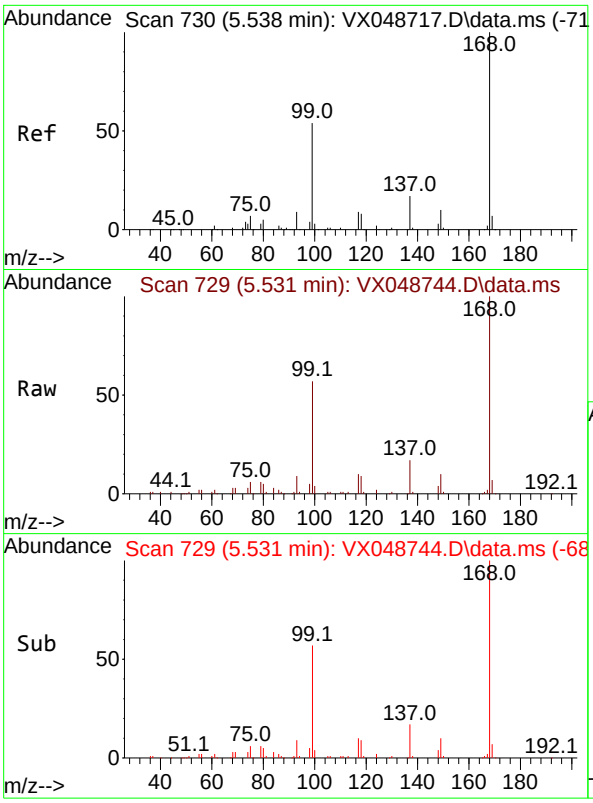
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048744.D
Acq On : 08 Dec 2025 11:15
Operator : JC/MD
Sample : VX1208WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

Quant Time: Dec 09 04:06:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



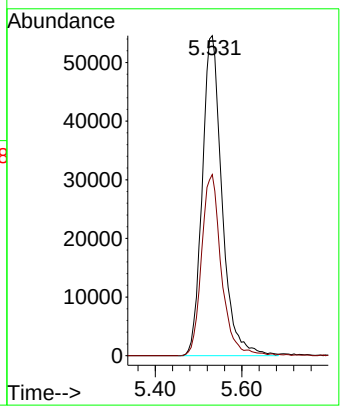


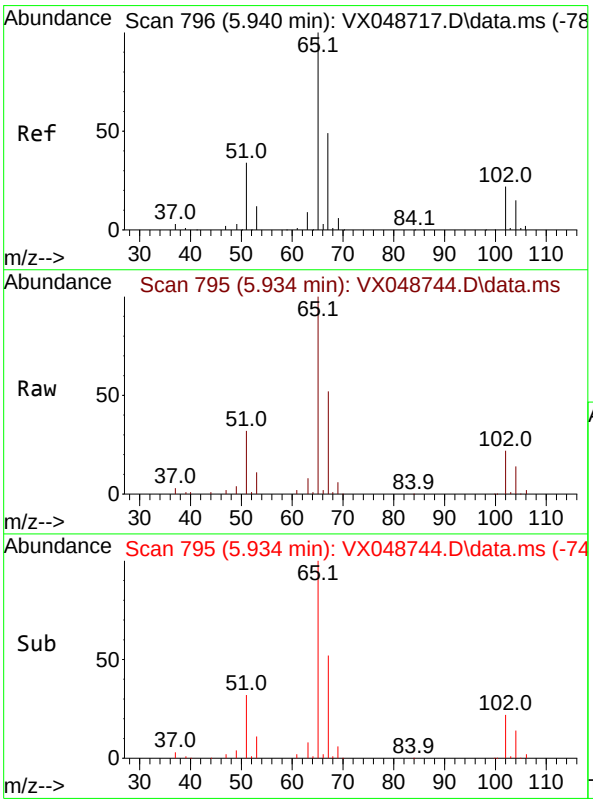
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

Tgt Ion:168 Resp: 173343

Ion	Ratio	Lower	Upper
168	100		
99	56.6	44.2	66.4

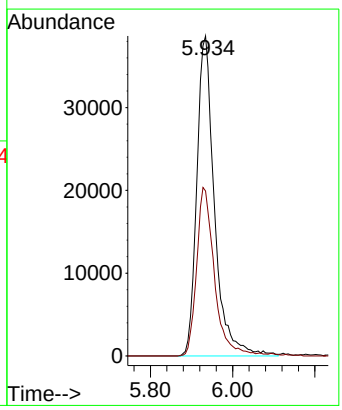




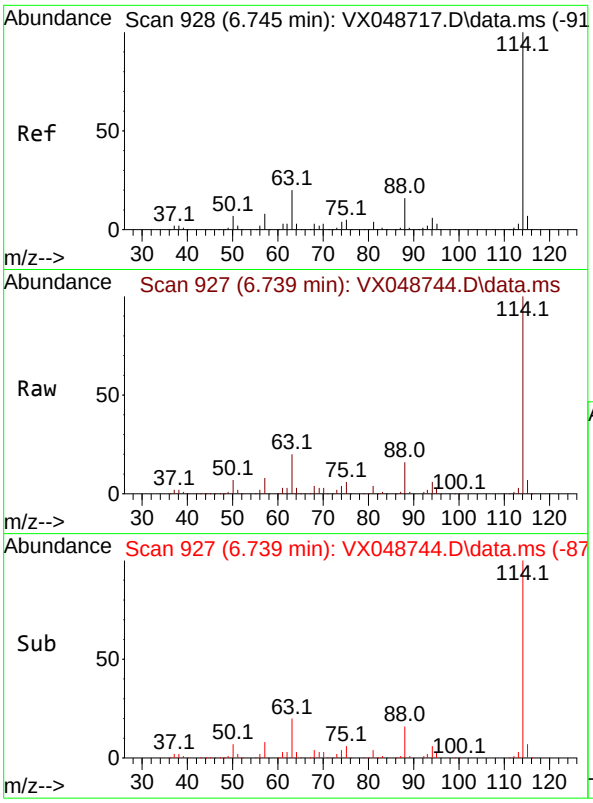
#33
1,2-Dichloroethane-d4
Concen: 49.507 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion: 65 Resp: 115181

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.4



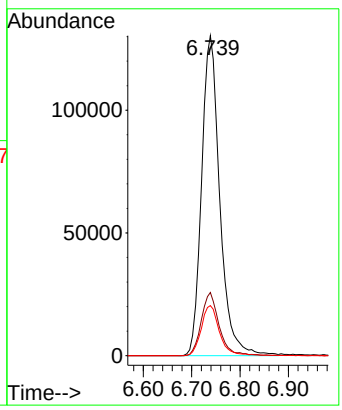
Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

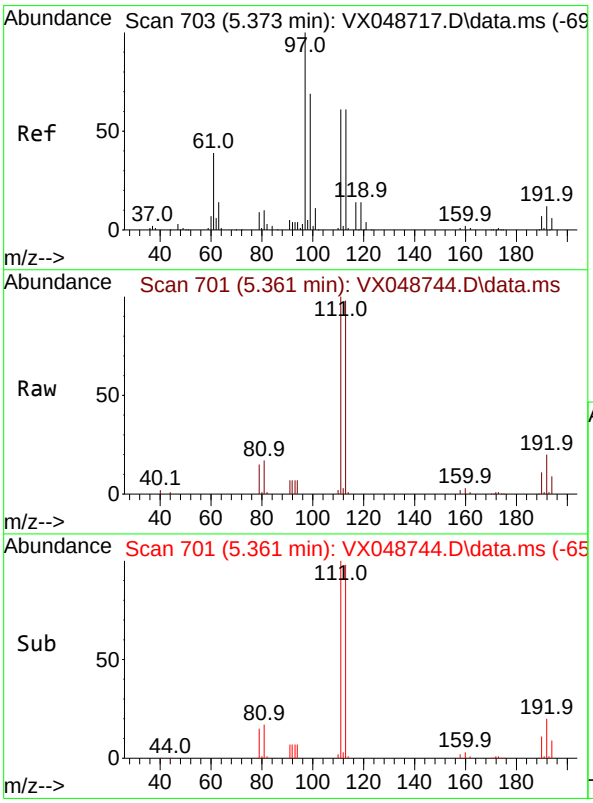


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion:114 Resp: 340953

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.0
88	15.6	0.0	31.8

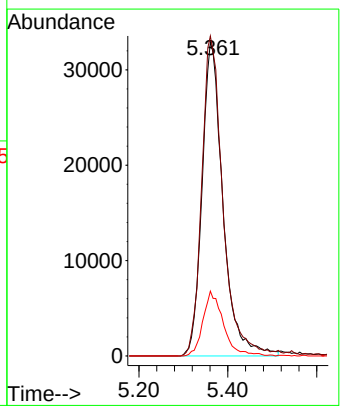


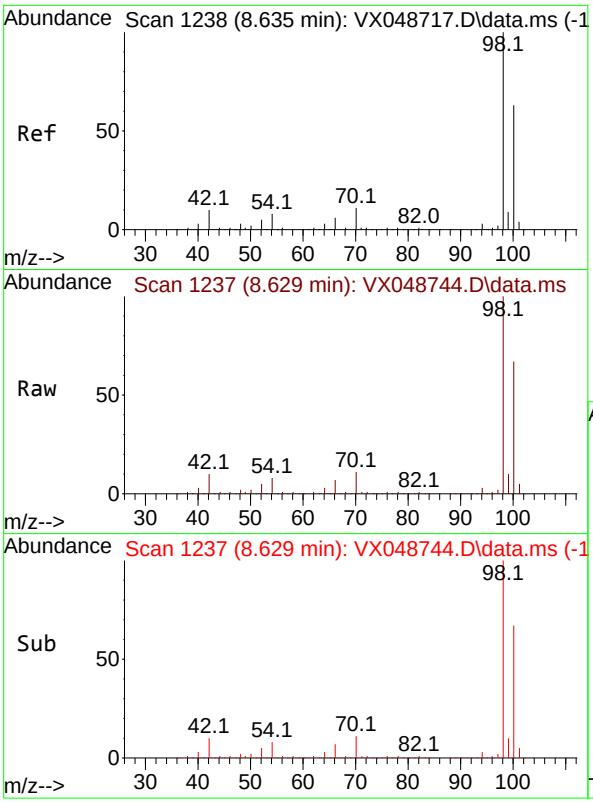


#35
Dibromofluoromethane
Concen: 46.001 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion:113 Resp: 107991

Ion	Ratio	Lower	Upper
113	100		
111	102.8	79.5	119.3
192	20.1	16.1	24.1



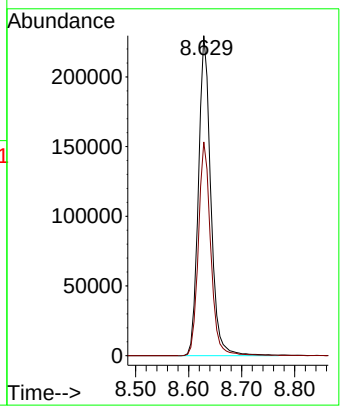


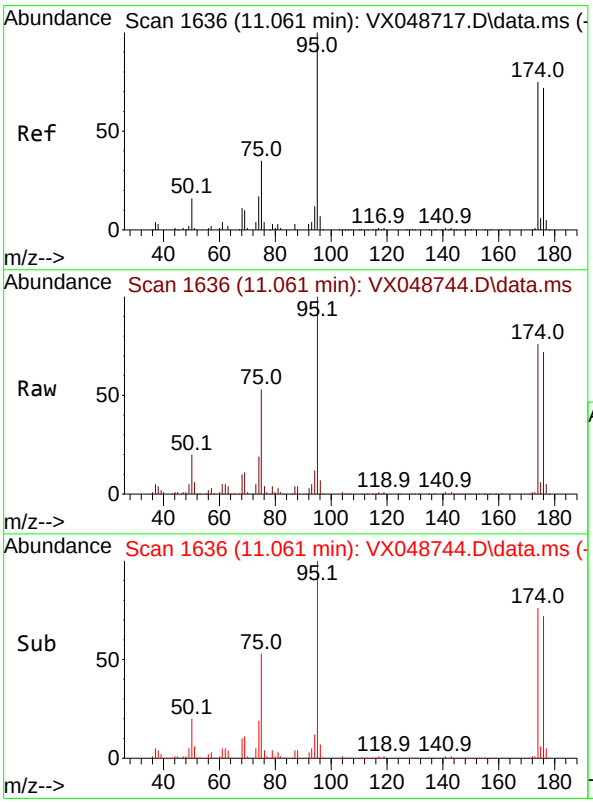
#50
Toluene-d8
Concen: 45.222 ug/l
RT: 8.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

Tgt Ion: 98 Resp: 372131

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0

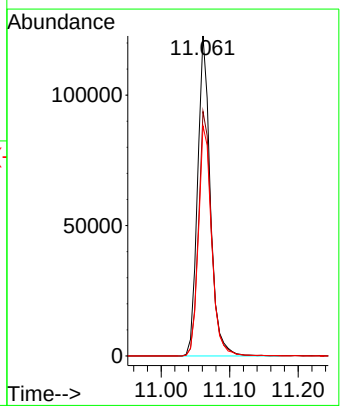


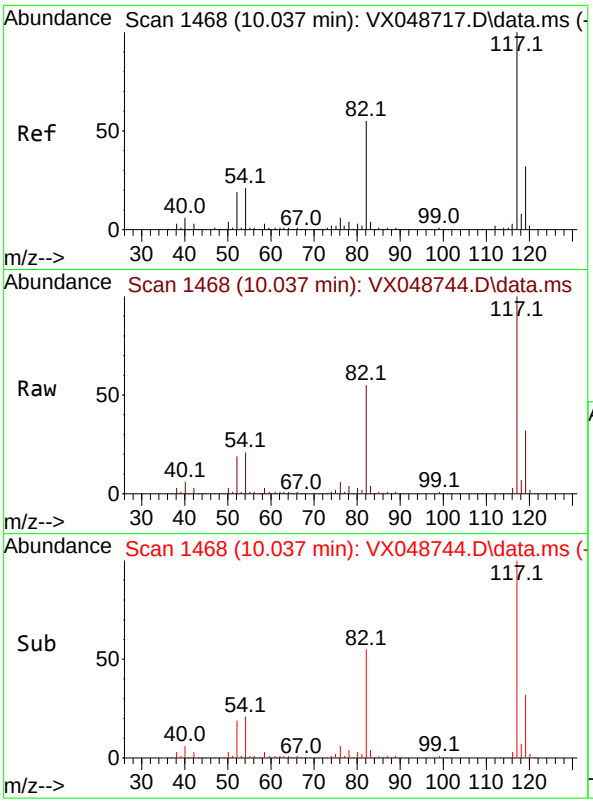


#62
4-Bromofluorobenzene
Concen: 55.813 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion: 95 Resp: 158378

Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	157.8
176	74.8	0.0	154.0



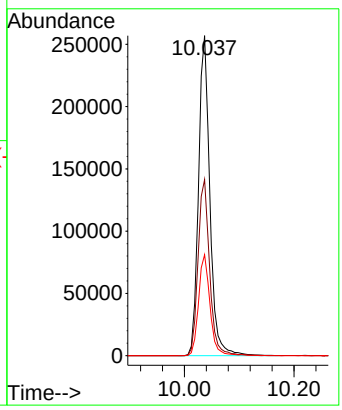


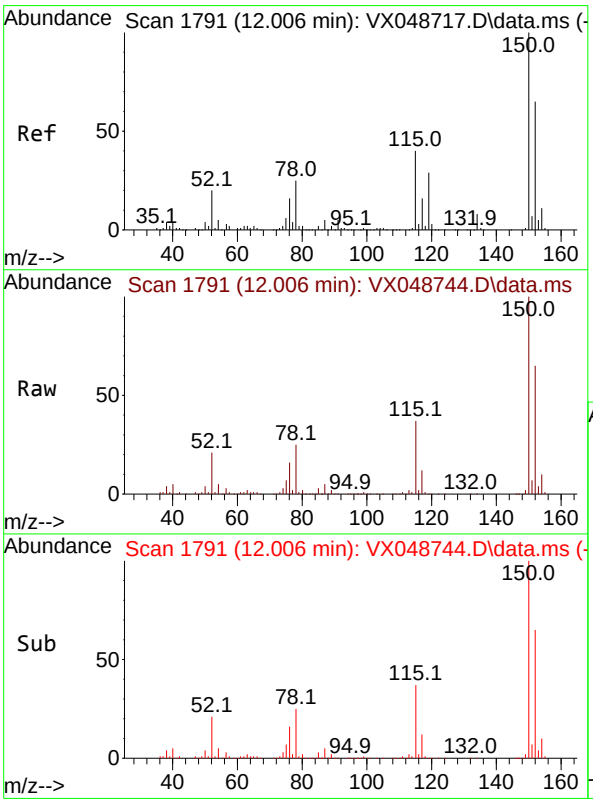
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

Tgt Ion:117 Resp: 370451

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.1	66.1
119	31.5	25.2	37.8

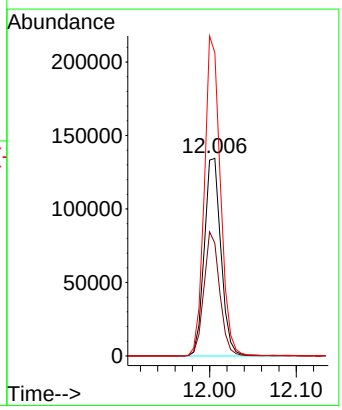




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion:152 Resp: 179749

Ion	Ratio	Lower	Upper
152	100		
115	59.4	42.1	126.4
150	155.9	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088443.D
Acq On : 04 Dec 2025 14:12
Operator : JC\MD
Sample : VN1204WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 05 00:14:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	303745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	559564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	491842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	237731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	307567	53.752	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.500%			
35) Dibromofluoromethane	8.147	113	196606	50.701	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.400%			
50) Toluene-d8	10.547	98	745425	51.664	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.320%			
62) 4-Bromofluorobenzene	12.823	95	269159	54.369	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	97797	21.436	ug/l	93
3) Chloromethane	2.383	50	93145	19.009	ug/l	96
4) Vinyl Chloride	2.536	62	100990	20.259	ug/l	100
5) Bromomethane	2.983	94	46454	19.362	ug/l	91
6) Chloroethane	3.142	64	62589	20.289	ug/l	98
7) Trichlorofluoromethane	3.512	101	150074	21.421	ug/l	95
8) Diethyl Ether	3.959	74	53546	20.363	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	78946	21.166	ug/l	99
10) Methyl Iodide	4.583	142	63657	17.241	ug/l	93
11) Tert butyl alcohol	5.506	59	76083	83.283	ug/l	97
12) 1,1-Dichloroethene	4.342	96	75627	20.408	ug/l	96
13) Acrolein	4.183	56	95364	109.036	ug/l	98
14) Allyl chloride	5.012	41	131363	19.125	ug/l	97
15) Acrylonitrile	5.706	53	244233	92.662	ug/l	99
16) Acetone	4.424	43	183497	88.674	ug/l	96
17) Carbon Disulfide	4.712	76	223379	18.447	ug/l	96
18) Methyl Acetate	5.018	43	120530	19.567	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	272930	19.658	ug/l	99
20) Methylene Chloride	5.265	84	81214	18.343	ug/l	99
21) trans-1,2-Dichloroethene	5.777	96	79259	19.308	ug/l	98
22) Diisopropyl ether	6.659	45	293315	20.002	ug/l	98
23) Vinyl Acetate	6.588	43	1278749	108.235	ug/l	99
24) 1,1-Dichloroethane	6.553	63	162999	19.628	ug/l	97
25) 2-Butanone	7.465	43	310201	93.245	ug/l	100
26) 2,2-Dichloropropane	7.471	77	150702	21.025	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	90646	19.000	ug/l	96
28) Bromochloromethane	7.794	49	70911	17.142	ug/l	98
29) Tetrahydrofuran	7.818	42	228135	95.607	ug/l	98
30) Chloroform	7.953	83	165040	20.226	ug/l	100
31) Cyclohexane	8.241	56	151560	20.140	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	148393	20.683	ug/l	97
36) 1,1-Dichloropropene	8.353	75	116928	19.538	ug/l	98
37) Ethyl Acetate	7.547	43	137369	17.457	ug/l	97
38) Carbon Tetrachloride	8.341	117	123356	20.706	ug/l	98
39) Methylcyclohexane	9.582	83	125506	19.606	ug/l	90
40) Benzene	8.582	78	339466	19.326	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088443.D
Acq On : 04 Dec 2025 14:12
Operator : JC\MD
Sample : VN1204WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 05 00:14:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	74031	18.995	ug/l		99
42) 1,2-Dichloroethane	8.647	62	139506	20.817	ug/l		97
43) Isopropyl Acetate	8.671	43	224127	18.642	ug/l		99
44) Trichloroethene	9.329	130	76077	18.330	ug/l		97
45) 1,2-Dichloropropane	9.600	63	87062	19.346	ug/l		99
46) Dibromomethane	9.688	93	62387	19.425	ug/l		99
47) Bromodichloromethane	9.865	83	130611	19.931	ug/l		99
48) Methyl methacrylate	9.659	41	104044	18.966	ug/l		99
49) 1,4-Dioxane	9.677	88	21834	312.972	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.424	43	704216	99.372	ug/l		100
52) Toluene	10.606	92	205014	20.214	ug/l		99
53) t-1,3-Dichloropropene	10.812	75	131896	19.609	ug/l		100
54) cis-1,3-Dichloropropene	10.288	75	137564	19.447	ug/l		96
55) 1,1,2-Trichloroethane	10.994	97	77993	19.876	ug/l		96
56) Ethyl methacrylate	10.853	69	122489	19.761	ug/l		99
57) 1,3-Dichloropropane	11.141	76	141160	19.940	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.135	63	316457	88.556	ug/l		98
59) 2-Hexanone	11.176	43	422202	94.573	ug/l		99
60) Dibromochloromethane	11.335	129	89380	19.980	ug/l		100
61) 1,2-Dibromoethane	11.447	107	78746	19.817	ug/l		98
64) Tetrachloroethene	11.082	164	70474	18.074	ug/l		94
65) Chlorobenzene	11.870	112	218454	19.774	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.941	131	72384	19.426	ug/l		96
67) Ethyl Benzene	11.941	91	390956	20.247	ug/l		98
68) m/p-Xylenes	12.047	106	286124	39.966	ug/l		96
69) o-Xylene	12.370	106	139831	20.487	ug/l		99
70) Styrene	12.388	104	232254	20.957	ug/l		99
71) Bromoform	12.553	173	55870	20.471	ug/l	#	99
73) Isopropylbenzene	12.670	105	360370	20.502	ug/l		99
74) N-amyl acetate	12.688	43	116340m	19.435	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.912	83	112119	19.731	ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	113577m	20.398	ug/l		
77) Bromobenzene	12.953	156	82378	20.483	ug/l		99
78) n-propylbenzene	13.012	91	452912	21.062	ug/l		99
79) 2-Chlorotoluene	13.100	91	273041	20.792	ug/l		98
80) 1,3,5-Trimethylbenzene	13.147	105	301838	20.723	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.723	75	35744	18.212	ug/l	#	91
82) 4-Chlorotoluene	13.194	91	286032	21.930	ug/l		97
83) tert-Butylbenzene	13.412	119	261764	21.141	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	312793	21.606	ug/l		97
85) sec-Butylbenzene	13.594	105	375613	21.117	ug/l		99
86) p-Isopropyltoluene	13.706	119	306028	20.981	ug/l		97
87) 1,3-Dichlorobenzene	13.712	146	154606	19.748	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	162379	19.800	ug/l		99
89) n-Butylbenzene	14.029	91	297476	21.005	ug/l		98
90) Hexachloroethane	14.306	117	52252	19.610	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	147868	20.071	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	28137	20.408	ug/l		99
93) 1,2,4-Trichlorobenzene	15.364	180	83932	19.174	ug/l		95
94) Hexachlorobutadiene	15.470	225	28512	18.126	ug/l		97
95) Naphthalene	15.611	128	307489	20.271	ug/l		100
96) 1,2,3-Trichlorobenzene	15.811	180	83257	19.543	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088443.D
Acq On : 04 Dec 2025 14:12
Operator : JC\MD
Sample : VN1204WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 05 00:14:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

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

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

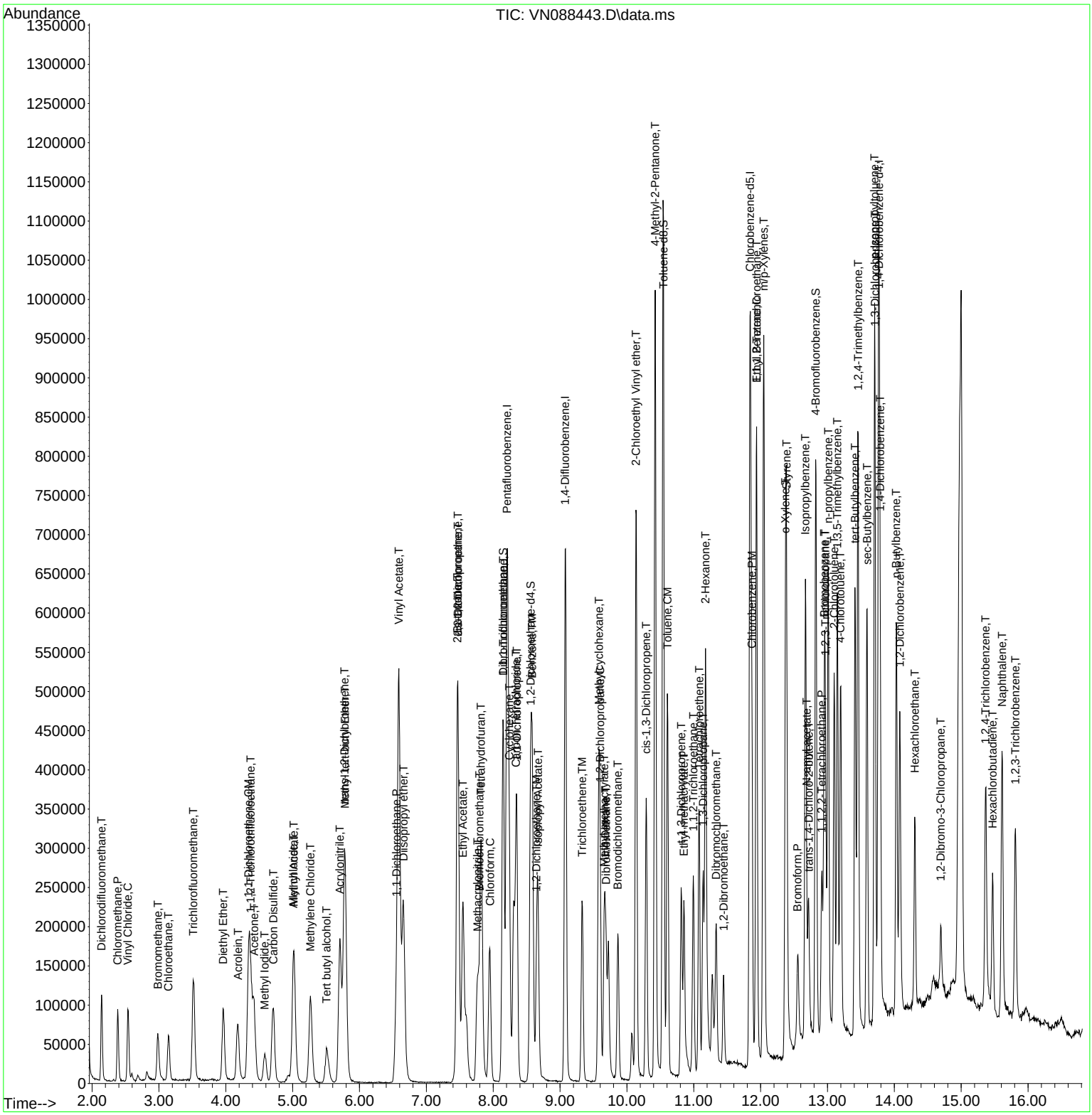
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088443.D
Acq On : 04 Dec 2025 14:12
Operator : JC\MD
Sample : VN1204WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 05 00:14:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048726.D
Acq On : 05 Dec 2025 11:31
Operator : JC/MD
Sample : VX1205WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 21:59:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/08/2025
Supervised By :Semsettin Yesilyurt 12/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.525	168	179194	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	293931	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	269397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	132992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	125979	52.380	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.760%			
35) Dibromofluoromethane	5.361	113	97103	47.980	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.960%			
50) Toluene-d8	8.629	98	352069	49.628	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.260%			
62) 4-Bromofluorobenzene	11.061	95	128406	52.490	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	41863	22.929	ug/l	96
3) Chloromethane	1.301	50	44995	19.530	ug/l	97
4) Vinyl Chloride	1.380	62	39598	16.138	ug/l	97
5) Bromomethane	1.618	94	28574	18.844	ug/l	97
6) Chloroethane	1.697	64	24297	15.910	ug/l	92
7) Trichlorofluoromethane	1.898	101	68676	19.528	ug/l	97
8) Diethyl Ether	2.130	74	23437	16.697	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	43147	21.164	ug/l	99
10) Methyl Iodide	2.453	142	61205	21.087	ug/l	99
11) Tert butyl alcohol	2.928	59	35673	91.869	ug/l	100
12) 1,1-Dichloroethene	2.325	96	40443	19.436	ug/l	99
13) Acrolein	2.233	56	31115	109.833	ug/l	100
14) Allyl chloride	2.660	41	71931	20.590	ug/l	94
15) Acrylonitrile	3.050	53	110416	91.258	ug/l	99
16) Acetone	2.367	43	87721	95.274	ug/l	97
17) Carbon Disulfide	2.514	76	125337	20.742	ug/l	100
18) Methyl Acetate	2.697	43	47862	18.476	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	128879	19.031	ug/l	97
20) Methylene Chloride	2.782	84	41148	17.880	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	40211	18.934	ug/l	93
22) Diisopropyl ether	3.739	45	131789	20.185	ug/l #	80
23) Vinyl Acetate	3.709	43	567718	103.483	ug/l	97
24) 1,1-Dichloroethane	3.599	63	73078	20.071	ug/l	100
25) 2-Butanone	4.526	43	144944	106.663	ug/l	91
26) 2,2-Dichloropropane	4.459	77	65233	20.249	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	45731	19.082	ug/l	92
28) Bromochloromethane	4.879	49	32271	18.083	ug/l	94
29) Tetrahydrofuran	4.977	42	104631	100.837	ug/l	95
30) Chloroform	5.068	83	77868	19.960	ug/l	99
31) Cyclohexane	5.452	56	62885	19.345	ug/l	95
32) 1,1,1-Trichloroethane	5.361	97	69932	20.006	ug/l	96
36) 1,1-Dichloropropene	5.672	75	57482	20.737	ug/l	100
37) Ethyl Acetate	4.684	43	65510	19.779	ug/l	99
38) Carbon Tetrachloride	5.653	117	65362	20.817	ug/l	94
39) Methylcyclohexane	7.360	83	62448	19.052	ug/l	97
40) Benzene	6.019	78	153807	18.718	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048726.D
Acq On : 05 Dec 2025 11:31
Operator : JC/MD
Sample : VX1205WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 21:59:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/08/2025
Supervised By :Semsettin Yesilyurt 12/08/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	29896	19.838	ug/l		97
42) 1,2-Dichloroethane	6.068	62	58414	20.085	ug/l		95
43) Isopropyl Acetate	6.312	43	97581	19.456	ug/l		95
44) Trichloroethene	7.104	130	40756	19.009	ug/l		98
45) 1,2-Dichloropropane	7.409	63	37372	18.196	ug/l		99
46) Dibromomethane	7.562	93	29281	18.800	ug/l		99
47) Bromodichloromethane	7.805	83	61760	19.019	ug/l		99
48) Methyl methacrylate	7.671	41	46528	18.442	ug/l		94
49) 1,4-Dioxane	7.641	88	11029	317.857	ug/l		96
51) 4-Methyl-2-Pentanone	8.549	43	315106	101.221	ug/l		96
52) Toluene	8.702	92	98680	19.915	ug/l		100
53) t-1,3-Dichloropropene	8.958	75	61457	19.894	ug/l		97
54) cis-1,3-Dichloropropene	8.348	75	63144	19.019	ug/l		91
55) 1,1,2-Trichloroethane	9.134	97	37998	19.059	ug/l		98
56) Ethyl methacrylate	9.098	69	60402	19.356	ug/l	#	94
57) 1,3-Dichloropropane	9.293	76	68113	20.546	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.220	63	144206	85.498	ug/l		99
59) 2-Hexanone	9.409	43	255149	116.758	ug/l		98
60) Dibromochloromethane	9.500	129	54125	21.955	ug/l		98
61) 1,2-Dibromoethane	9.592	107	47896	22.197	ug/l		100
64) Tetrachloroethene	9.256	164	34511	17.575	ug/l		97
65) Chlorobenzene	10.061	112	109860	18.630	ug/l		95
66) 1,1,1,2-Tetrachloroethane	10.147	131	37880	17.960	ug/l		99
67) Ethyl Benzene	10.177	91	190737	19.822	ug/l		97
68) m/p-Xylenes	10.281	106	154292	41.164	ug/l		100
69) o-Xylene	10.622	106	74050	21.083	ug/l		100
70) Styrene	10.634	104	126101	20.914	ug/l		99
71) Bromoform	10.781	173	34490	18.317	ug/l	#	99
73) Isopropylbenzene	10.945	105	189027	21.092	ug/l		99
74) N-amyl acetate	10.823	43	88194	22.648	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	58063	19.201	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	56826m	22.941	ug/l		
77) Bromobenzene	11.177	156	43921	18.361	ug/l		99
78) n-propylbenzene	11.287	91	218146	21.016	ug/l		100
79) 2-Chlorotoluene	11.348	91	129011	20.383	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	150128	20.379	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	20029	19.207	ug/l		94
82) 4-Chlorotoluene	11.433	91	153143	20.734	ug/l		99
83) tert-Butylbenzene	11.695	119	149901	19.584	ug/l		97
84) 1,2,4-Trimethylbenzene	11.732	105	152255	20.489	ug/l		100
85) sec-Butylbenzene	11.872	105	189342	20.411	ug/l		99
86) p-Isopropyltoluene	11.988	119	158652	20.008	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	84489	19.160	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	84209	18.479	ug/l		97
89) n-Butylbenzene	12.311	91	147367	19.849	ug/l		100
90) Hexachloroethane	12.518	117	30361	18.760	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	78982	18.475	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	13457	18.285	ug/l		91
93) 1,2,4-Trichlorobenzene	13.567	180	48161	17.057	ug/l		99
94) Hexachlorobutadiene	13.707	225	21240	18.186	ug/l		95
95) Naphthalene	13.756	128	154818	20.946	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	45023	17.290	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048726.D
Acq On : 05 Dec 2025 11:31
Operator : JC/MD
Sample : VX1205WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 21:59:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/08/2025
Supervised By :Semsettin Yesilyurt 12/08/2025

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

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

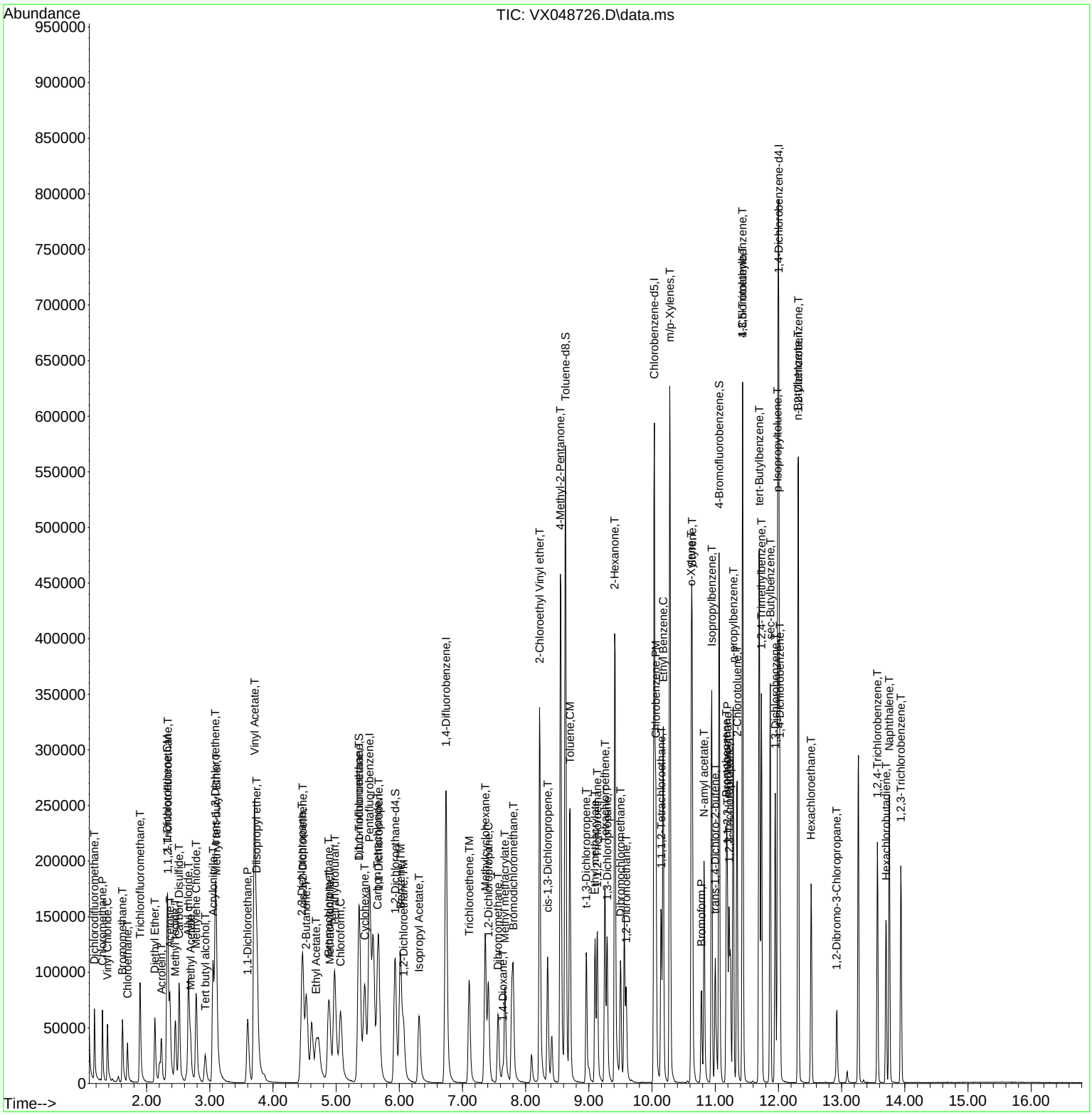
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
Data File : VX048726.D
Acq On : 05 Dec 2025 11:31
Operator : JC/MD
Sample : VX1205WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 05 21:59:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/08/2025
Supervised By :Semsettin Yesilyurt 12/08/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048745.D
Acq On : 08 Dec 2025 11:44
Operator : JC/MD
Sample : VX1208WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 04:06:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/09/2025
Supervised By :Mahesh Dadoda 12/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	178446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	298973	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	311271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	157846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	135832	56.713	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.420%			
35) Dibromofluoromethane	5.367	113	103655	50.354	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.628	98	364834	50.560	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.120%			
62) 4-Bromofluorobenzene	11.061	95	146293	58.794	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	41301	22.716	ug/l	100
3) Chloromethane	1.300	50	44715	19.489	ug/l	99
4) Vinyl Chloride	1.380	62	48480	19.841	ug/l	99
5) Bromomethane	1.617	94	33887	22.441	ug/l	96
6) Chloroethane	1.697	64	30088	19.785	ug/l	96
7) Trichlorofluoromethane	1.898	101	71250	20.345	ug/l	99
8) Diethyl Ether	2.130	74	26662	19.074	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	39901	19.653	ug/l	97
10) Methyl Iodide	2.453	142	50587	17.502	ug/l	97
11) Tert butyl alcohol	2.928	59	39487	102.117	ug/l	99
12) 1,1-Dichloroethene	2.325	96	39681	19.150	ug/l	94
13) Acrolein	2.233	56	38865	127.548	ug/l	98
14) Allyl chloride	2.666	41	73696	21.184	ug/l	96
15) Acrylonitrile	3.050	53	121301	100.674	ug/l	98
16) Acetone	2.367	43	99898	108.954	ug/l	91
17) Carbon Disulfide	2.514	76	112473	18.691	ug/l	99
18) Methyl Acetate	2.690	43	55490	21.510	ug/l	96
19) Methyl tert-butyl Ether	3.099	73	137477	20.386	ug/l	100
20) Methylene Chloride	2.788	84	46445	20.266	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	38834	18.362	ug/l	97
22) Diisopropyl ether	3.745	45	138676	21.329	ug/l	99
23) Vinyl Acetate	3.709	43	614319	112.447	ug/l	95
24) 1,1-Dichloroethane	3.599	63	75325	20.775	ug/l	99
25) 2-Butanone	4.532	43	153848	113.689	ug/l #	89
26) 2,2-Dichloropropane	4.452	77	65032	20.271	ug/l	97
27) cis-1,2-Dichloroethene	4.471	96	47580	19.937	ug/l	94
28) Bromochloromethane	4.879	49	38829	21.849	ug/l	84
29) Tetrahydrofuran	4.971	42	103797	100.452	ug/l	95
30) Chloroform	5.068	83	78114	20.107	ug/l	93
31) Cyclohexane	5.452	56	60315	18.632	ug/l	99
32) 1,1,1-Trichloroethane	5.361	97	69881	20.075	ug/l	96
36) 1,1-Dichloropropene	5.672	75	50056	17.754	ug/l	99
37) Ethyl Acetate	4.690	43	72073	21.393	ug/l	96
38) Carbon Tetrachloride	5.659	117	61250	19.179	ug/l	93
39) Methylcyclohexane	7.360	83	57003	17.098	ug/l	97
40) Benzene	6.019	78	157310	18.821	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048745.D
Acq On : 08 Dec 2025 11:44
Operator : JC/MD
Sample : VX1208WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 04:06:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/09/2025
Supervised By :Mahesh Dadoda 12/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.891	41	31647	20.646	ug/l		94
42) 1,2-Dichloroethane	6.068	62	63162	21.351	ug/l		93
43) Isopropyl Acetate	6.312	43	105648	20.710	ug/l		94
44) Trichloroethene	7.104	130	38336	17.578	ug/l		94
45) 1,2-Dichloropropane	7.409	63	38148	18.261	ug/l		99
46) Dibromomethane	7.562	93	29948	18.904	ug/l		95
47) Bromodichloromethane	7.799	83	62155	18.818	ug/l		97
48) Methyl methacrylate	7.671	41	49411	19.255	ug/l		94
49) 1,4-Dioxane	7.641	88	11933	338.111	ug/l		95
51) 4-Methyl-2-Pentanone	8.549	43	333290	105.257	ug/l		96
52) Toluene	8.702	92	98537	19.551	ug/l		99
53) t-1,3-Dichloropropene	8.958	75	62916	20.022	ug/l		98
54) cis-1,3-Dichloropropene	8.348	75	65243	19.320	ug/l		94
55) 1,1,2-Trichloroethane	9.134	97	44019	21.707	ug/l		99
56) Ethyl methacrylate	9.098	69	67147	21.154	ug/l		97
57) 1,3-Dichloropropane	9.287	76	69273	20.543	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.220	63	152119	88.668	ug/l		97
59) 2-Hexanone	9.409	43	232393	104.551	ug/l		98
60) Dibromochloromethane	9.500	129	53723	21.424	ug/l		100
61) 1,2-Dibromoethane	9.592	107	46114	21.010	ug/l		99
64) Tetrachloroethene	9.256	164	37431	16.498	ug/l		97
65) Chlorobenzene	10.061	112	118471	17.388	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	42596	17.479	ug/l		99
67) Ethyl Benzene	10.177	91	198185	17.826	ug/l		100
68) m/p-Xylenes	10.281	106	155889	35.995	ug/l		96
69) o-Xylene	10.622	106	73460	18.102	ug/l		97
70) Styrene	10.634	104	126903	18.215	ug/l		99
71) Bromoform	10.780	173	37658	17.309	ug/l	#	99
73) Isopropylbenzene	10.945	105	188979	17.766	ug/l		99
74) N-amyl acetate	10.823	43	81515	17.637	ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.195	83	63497	17.692	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	49341m	16.783	ug/l		
77) Bromobenzene	11.183	156	50590	17.819	ug/l		93
78) n-propylbenzene	11.286	91	218787	17.759	ug/l		98
79) 2-Chlorotoluene	11.347	91	131768	17.540	ug/l		97
80) 1,3,5-Trimethylbenzene	11.433	105	154012	17.615	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	20596	16.641	ug/l		90
82) 4-Chlorotoluene	11.433	91	156772	17.883	ug/l		98
83) tert-Butylbenzene	11.695	119	158909	17.491	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	158196	17.937	ug/l		99
85) sec-Butylbenzene	11.872	105	190539	17.306	ug/l		98
86) p-Isopropyltoluene	11.988	119	164163	17.443	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	90505	17.292	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	92718	17.143	ug/l		99
89) n-Butylbenzene	12.311	91	144814	16.434	ug/l		99
90) Hexachloroethane	12.518	117	30759	16.013	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	85738	16.897	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	13707	15.692	ug/l		95
93) 1,2,4-Trichlorobenzene	13.567	180	55758	16.638	ug/l		99
94) Hexachlorobutadiene	13.707	225	21763	15.700	ug/l		99
95) Naphthalene	13.756	128	177703	20.256	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	52737	17.064	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048745.D
Acq On : 08 Dec 2025 11:44
Operator : JC/MD
Sample : VX1208WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 04:06:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/09/2025
Supervised By :Mahesh Dadoda 12/09/2025

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

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

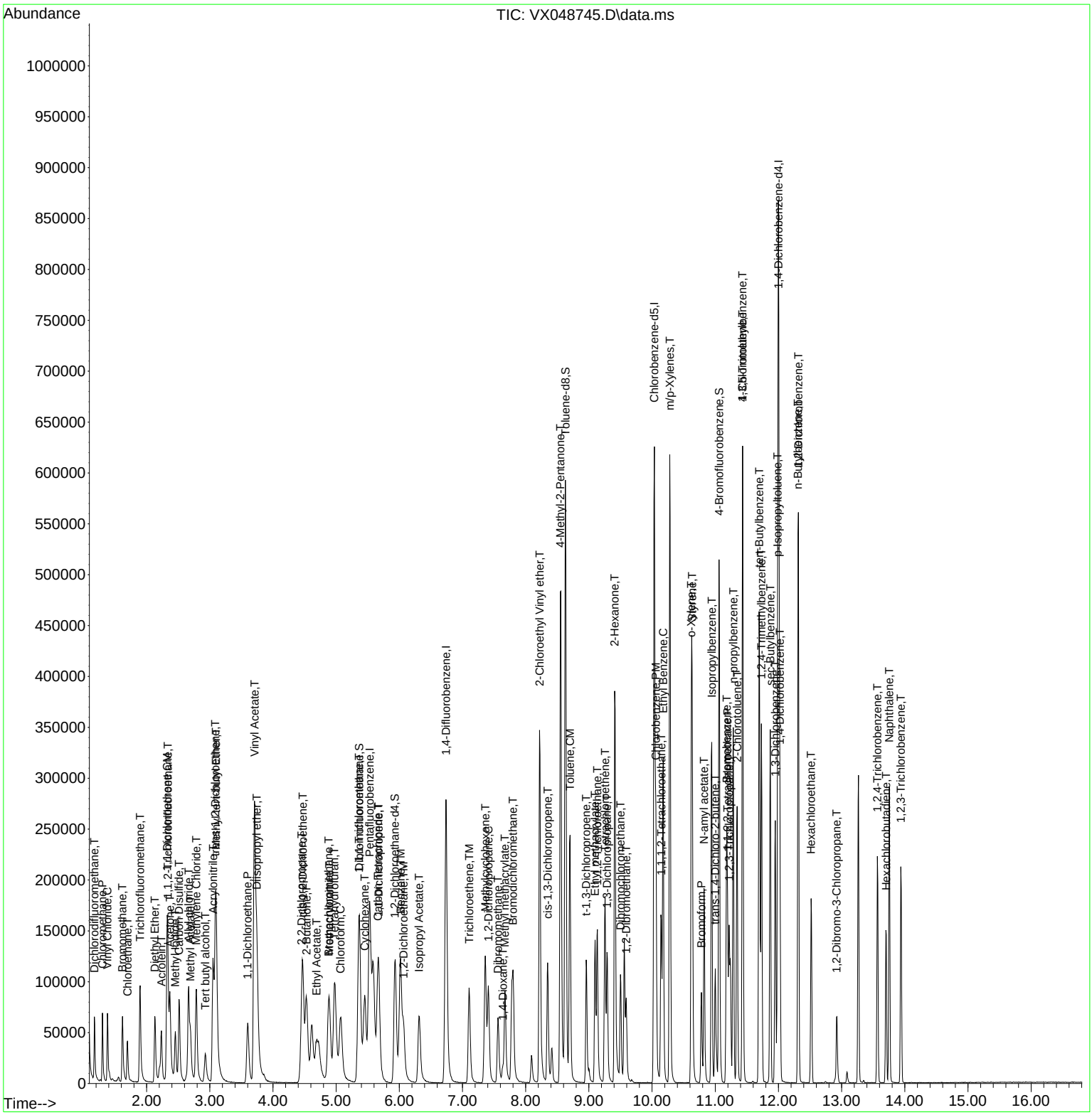
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048745.D
Acq On : 08 Dec 2025 11:44
Operator : JC/MD
Sample : VX1208WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 04:06:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/09/2025
Supervised By :Mahesh Dadoda 12/09/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088444.D
Acq On : 04 Dec 2025 14:45
Operator : JC\MD
Sample : VN1204WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 05 00:15:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	290727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	529277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	469866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	229597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	306737	56.007	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.020%			
35) Dibromofluoromethane	8.147	113	194821	53.116	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.240%			
50) Toluene-d8	10.541	98	719265	52.704	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.400%			
62) 4-Bromofluorobenzene	12.829	95	263766	56.328	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	87020	19.928	ug/l	94
3) Chloromethane	2.383	50	84956	18.114	ug/l	97
4) Vinyl Chloride	2.536	62	90740	19.018	ug/l	96
5) Bromomethane	2.983	94	43017	18.733	ug/l	94
6) Chloroethane	3.148	64	55928	18.942	ug/l	99
7) Trichlorofluoromethane	3.518	101	138107	20.595	ug/l	99
8) Diethyl Ether	3.965	74	49843	19.803	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	71554	20.043	ug/l	99
10) Methyl Iodide	4.589	142	65248	18.463	ug/l	95
11) Tert butyl alcohol	5.518	59	80431	91.985	ug/l	99
12) 1,1-Dichloroethene	4.342	96	69022	19.460	ug/l	96
13) Acrolein	4.177	56	94599	113.005	ug/l	99
14) Allyl chloride	5.012	41	126430	19.231	ug/l	98
15) Acrylonitrile	5.706	53	250738	99.389	ug/l	98
16) Acetone	4.424	43	191583	96.727	ug/l	95
17) Carbon Disulfide	4.706	76	214025	18.466	ug/l	99
18) Methyl Acetate	5.018	43	126740	21.497	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	277962	20.917	ug/l	100
20) Methylene Chloride	5.265	84	79618	18.788	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	74638	18.996	ug/l	84
22) Diisopropyl ether	6.659	45	291659	20.780	ug/l	97
23) Vinyl Acetate	6.589	43	1291270	114.189	ug/l	100
24) 1,1-Dichloroethane	6.553	63	156380	19.675	ug/l	99
25) 2-Butanone	7.465	43	318927	100.161	ug/l	97
26) 2,2-Dichloropropane	7.471	77	138156	20.137	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	88188	19.313	ug/l	96
28) Bromochloromethane	7.800	49	73205	18.489	ug/l	98
29) Tetrahydrofuran	7.824	42	234483	102.668	ug/l	98
30) Chloroform	7.947	83	157238	20.133	ug/l	93
31) Cyclohexane	8.241	56	140672	19.530	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	141532	20.610	ug/l	94
36) 1,1-Dichloropropene	8.353	75	108661	19.196	ug/l	99
37) Ethyl Acetate	7.547	43	150629	20.237	ug/l	99
38) Carbon Tetrachloride	8.341	117	114598	20.336	ug/l	98
39) Methylcyclohexane	9.577	83	114089	18.842	ug/l	97
40) Benzene	8.588	78	320551	19.294	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088444.D
Acq On : 04 Dec 2025 14:45
Operator : JC\MD
Sample : VN1204WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 05 00:15:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	76908	20.862	ug/l		96
42) 1,2-Dichloroethane	8.653	62	136648	21.558	ug/l		99
43) Isopropyl Acetate	8.671	43	226089	19.881	ug/l		98
44) Trichloroethene	9.330	130	73312	18.675	ug/l		89
45) 1,2-Dichloropropane	9.600	63	83457	19.606	ug/l		90
46) Dibromomethane	9.688	93	61573	20.269	ug/l		98
47) Bromodichloromethane	9.865	83	126000	20.328	ug/l		98
48) Methyl methacrylate	9.659	41	106808	20.584	ug/l		98
49) 1,4-Dioxane	9.682	88	23459	355.507	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	707725	105.581	ug/l		99
52) Toluene	10.606	92	192863	20.104	ug/l		99
53) t-1,3-Dichloropropene	10.812	75	127987	20.116	ug/l		93
54) cis-1,3-Dichloropropene	10.288	75	132808	19.849	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	76705	20.666	ug/l		98
56) Ethyl methacrylate	10.859	69	126407	21.560	ug/l		99
57) 1,3-Dichloropropane	11.141	76	138389	20.668	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	320414	94.794	ug/l		98
59) 2-Hexanone	11.177	43	425614	100.793	ug/l		96
60) Dibromochloromethane	11.335	129	88166	20.837	ug/l		99
61) 1,2-Dibromoethane	11.447	107	78440	20.870	ug/l		99
64) Tetrachloroethene	11.082	164	64323	17.268	ug/l		97
65) Chlorobenzene	11.871	112	208506	19.756	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.935	131	71468	20.077	ug/l		99
67) Ethyl Benzene	11.941	91	364543	19.762	ug/l		98
68) m/p-Xylenes	12.047	106	273590	40.003	ug/l		97
69) o-Xylene	12.376	106	129944	19.929	ug/l		100
70) Styrene	12.388	104	216021	20.404	ug/l		98
71) Bromoform	12.559	173	53817	20.641	ug/l	#	99
73) Isopropylbenzene	12.671	105	347231	20.454	ug/l		98
74) N-amyl acetate	12.682	43	111327m	19.256	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	111054	20.235	ug/l		99
76) 1,2,3-Trichloropropane	12.971	75	113801m	21.162	ug/l		
77) Bromobenzene	12.959	156	77652	19.992	ug/l		96
78) n-propylbenzene	13.012	91	421199	20.281	ug/l		100
79) 2-Chlorotoluene	13.106	91	253171	19.962	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	281269	19.995	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.718	75	35239	18.590	ug/l	#	93
82) 4-Chlorotoluene	13.200	91	267452	21.232	ug/l		99
83) tert-Butylbenzene	13.412	119	239926	20.064	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	286265	20.474	ug/l		97
85) sec-Butylbenzene	13.594	105	344400	20.048	ug/l		99
86) p-Isopropyltoluene	13.706	119	283564	20.130	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	148014	19.576	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	152072	19.200	ug/l		96
89) n-Butylbenzene	14.035	91	267202	19.536	ug/l		97
90) Hexachloroethane	14.312	117	48757	18.947	ug/l		99
91) 1,2-Dichlorobenzene	14.082	146	144112	20.254	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	26992	20.271	ug/l		98
93) 1,2,4-Trichlorobenzene	15.364	180	81616	19.305	ug/l		97
94) Hexachlorobutadiene	15.470	225	27309	17.976	ug/l		94
95) Naphthalene	15.612	128	302681	20.661	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	77952	18.946	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088444.D
Acq On : 04 Dec 2025 14:45
Operator : JC\MD
Sample : VN1204WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 05 00:15:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025

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

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

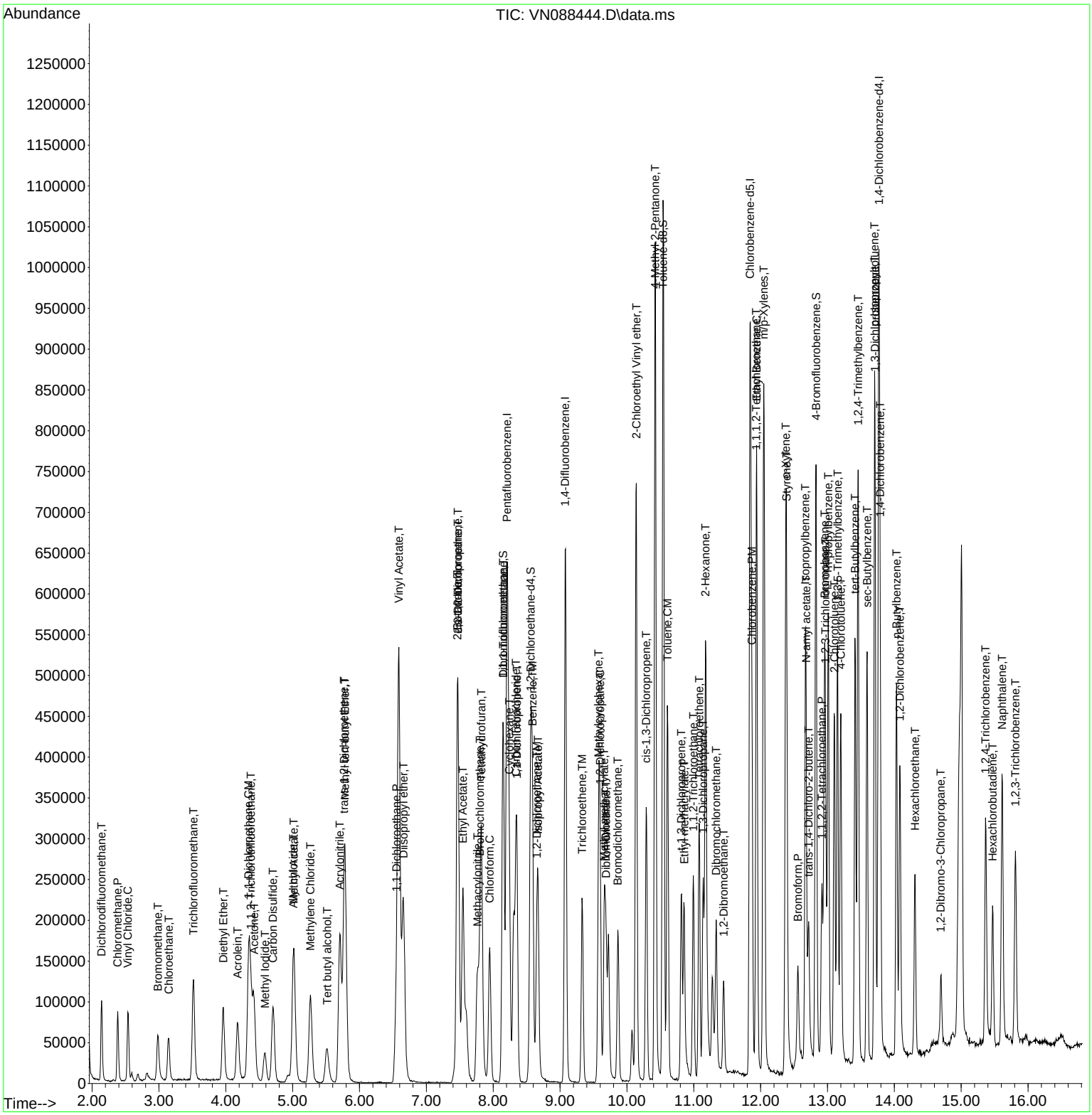
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088444.D
Acq On : 04 Dec 2025 14:45
Operator : JC\MD
Sample : VN1204WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 05 00:15:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



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

Manual Integration Report

Sequence:	VN112425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN088344.D	1,1-Dichloroethene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	1,4-Dichlorobenzene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	2-Hexanone	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	cis-1,2-Dichloroethene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	Diisopropyl ether	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC005	VN088345.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:00 AM	MMDadoda	11/26/2025 1:51:51 PM	Peak Integrated by Software
VSTDICC005	VN088345.D	Vinyl Acetate	JOHN	11/25/2025 9:36:00 AM	MMDadoda	11/26/2025 1:51:51 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	N-amyl acetate	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	Vinyl Acetate	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICCC050	VN088347.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:10 AM	MMDadoda	11/26/2025 1:51:58 PM	Peak Integrated by Software
VSTDICCC050	VN088347.D	Vinyl Acetate	JOHN	11/25/2025 9:36:10 AM	MMDadoda	11/26/2025 1:51:58 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN112425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN088348.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC100	VN088348.D	Allyl chloride	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC100	VN088348.D	Vinyl Acetate	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	Allyl chloride	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	Vinyl Acetate	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	N-amyl acetate	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	Vinyl Acetate	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN120425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088437.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:18:14 AM	sam	12/5/2025 2:18:25 PM	Peak Integrated by Software
VSTDCCC050	VN088437.D	N-amyl acetate	JOHN	12/5/2025 8:18:14 AM	sam	12/5/2025 2:18:25 PM	Peak Integrated by Software
VN1204WBS01	VN088443.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:18:23 AM	sam	12/5/2025 2:18:38 PM	Peak Integrated by Software
VN1204WBS01	VN088443.D	N-amyl acetate	JOHN	12/5/2025 8:18:23 AM	sam	12/5/2025 2:18:38 PM	Peak Integrated by Software
VN1204WBSD01	VN088444.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:18:28 AM	sam	12/5/2025 2:18:43 PM	Peak Integrated by Software
VN1204WBSD01	VN088444.D	N-amyl acetate	JOHN	12/5/2025 8:18:28 AM	sam	12/5/2025 2:18:43 PM	Peak Integrated by Software
Q3757-11	VN088450.D	Acetone	JOHN	12/5/2025 8:18:38 AM	sam	12/5/2025 2:19:00 PM	Peak Integrated by Software
VSTDCCC050	VN088461.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:18:43 AM	sam	12/5/2025 2:18:57 PM	Peak Integrated by Software
VSTDCCC050	VN088461.D	N-amyl acetate	JOHN	12/5/2025 8:18:43 AM	sam	12/5/2025 2:18:57 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX120425	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX048714.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:04:03 AM	sam	12/5/2025 2:19:32 PM	Peak Integrated by Software
VSTDICC001	VX048714.D	1,4-Dichlorobenzene	JOHN	12/5/2025 8:04:03 AM	sam	12/5/2025 2:19:32 PM	Peak Integrated by Software
VSTDICC001	VX048714.D	Ethyl Acetate	JOHN	12/5/2025 8:04:03 AM	sam	12/5/2025 2:19:32 PM	Peak Integrated by Software
VSTDICC005	VX048715.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDICC005	VX048715.D	1,2-Dichloroethane-d4	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDICC005	VX048715.D	4-Bromofluorobenzene	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDICC005	VX048715.D	Acrolein	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDICC005	VX048715.D	Bromomethane	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDICC005	VX048715.D	Cyclohexane	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDICC005	VX048715.D	Dibromofluoromethane	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDICC005	VX048715.D	Ethyl Acetate	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDICC005	VX048715.D	Methyl Acetate	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDICC005	VX048715.D	Methyl Iodide	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX120425	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX048715.D	Tert butyl alcohol	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDICC005	VX048715.D	Toluene-d8	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDICC005	VX048715.D	trans-1,4-Dichloro-2-but ene	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDICC020	VX048716.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:04:16 AM	sam	12/5/2025 2:19:42 PM	Peak Integrated by Software
VSTDICCC050	VX048717.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:04:22 AM	sam	12/5/2025 2:20:03 PM	Peak Integrated by Software
VSTDICC100	VX048718.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:04:27 AM	sam	12/5/2025 2:19:47 PM	Peak Integrated by Software
VSTDICC150	VX048719.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:04:32 AM	sam	12/5/2025 2:20:07 PM	Peak Integrated by Software
VSTDICV050	VX048721.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:04:41 AM	sam	12/5/2025 2:19:52 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX120525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048723.D	1,2,3-Trichloropropane	JOHN	12/8/2025 8:07:20 AM	sam	12/8/2025 11:02:20 AM	Peak Integrated by Software
VX1205WBS01	VX048726.D	1,2,3-Trichloropropane	JOHN	12/8/2025 8:07:25 AM	sam	12/8/2025 11:02:26 AM	Peak Integrated by Software
VSTDCCC050	VX048740.D	1,2,3-Trichloropropane	JOHN	12/8/2025 8:07:34 AM	sam	12/8/2025 11:02:36 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX120825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048742.D	1,2,3-Trichloropropane	JOHN	12/9/2025 8:06:28 AM	MMDadoda	12/9/2025 12:23:37 PM	Peak Integrated by Software
VX1208WBS01	VX048745.D	1,2,3-Trichloropropane	JOHN	12/9/2025 8:06:33 AM	MMDadoda	12/9/2025 12:23:40 PM	Peak Integrated by Software
VSTDCCC050	VX048766.D	1,2,3-Trichloropropane	JOHN	12/9/2025 8:06:52 AM	MMDadoda	12/9/2025 12:23:58 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112425

Review By	John Carlone	Review On	11/25/2025 9:36:43 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/26/2025 1:52:19 PM				
SubDirectory	VN112425	HP Acquire Method	MSVOA_N		HP Processing Method	82N112425W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136378
Initial Calibration Stds	VP136444,VP136445,VP136446,VP136447,VP136448,VP136449
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136450
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088343.D	24 Nov 2025 08:17	JC\MD	Ok
2	VSTDICC001	VN088344.D	24 Nov 2025 12:38	JC\MD	Ok,M
3	VSTDICC005	VN088345.D	24 Nov 2025 13:11	JC\MD	Ok,M
4	VSTDICC020	VN088346.D	24 Nov 2025 13:32	JC\MD	Ok,M
5	VSTDICCC050	VN088347.D	24 Nov 2025 13:53	JC\MD	Ok,M
6	VSTDICC100	VN088348.D	24 Nov 2025 14:14	JC\MD	Ok,M
7	VSTDICC150	VN088349.D	24 Nov 2025 14:35	JC\MD	Ok,M
8	IBLK	VN088350.D	24 Nov 2025 14:56	JC\MD	Ok
9	VSTDICV050	VN088351.D	24 Nov 2025 15:18	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_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120425

Review By	John Carlone	Review On	12/5/2025 8:23:32 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:14:29 PM		
SubDirectory	VN120425	HP Acquire Method		HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136505
Initial Calibration Stds	
CCC	VP136506,VP136507
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088436.D	04 Dec 2025 11:03	JC\MD	Ok
2	VSTDCCC050	VN088437.D	04 Dec 2025 11:44	JC\MD	Ok,M
3	VN1204MBL01	VN088438.D	04 Dec 2025 12:17	JC\MD	Ok
4	VN1204WBL01	VN088439.D	04 Dec 2025 12:38	JC\MD	Ok
5	VN1204MBS01	VN088440.D	04 Dec 2025 13:11	JC\MD	Ok,M
6	Q3768-01	VN088441.D	04 Dec 2025 13:31	JC\MD	Not Ok
7	IBLK	VN088442.D	04 Dec 2025 13:52	JC\MD	Ok
8	VN1204WBS01	VN088443.D	04 Dec 2025 14:12	JC\MD	Ok,M
9	VN1204WBSD01	VN088444.D	04 Dec 2025 14:45	JC\MD	Ok,M
10	Q3756-03	VN088445.D	04 Dec 2025 15:06	JC\MD	Ok
11	Q3756-01	VN088446.D	04 Dec 2025 15:26	JC\MD	Ok
12	Q3756-05	VN088447.D	04 Dec 2025 15:47	JC\MD	Ok
13	Q3756-07	VN088448.D	04 Dec 2025 16:07	JC\MD	Ok
14	Q3757-12	VN088449.D	04 Dec 2025 16:28	JC\MD	Ok
15	Q3757-11	VN088450.D	04 Dec 2025 16:48	JC\MD	Ok,M
16	Q3757-01	VN088451.D	04 Dec 2025 17:09	JC\MD	Not Ok
17	Q3757-03	VN088452.D	04 Dec 2025 17:29	JC\MD	Not Ok
18	Q3757-05	VN088453.D	04 Dec 2025 17:50	JC\MD	Not Ok
19	Q3757-07	VN088454.D	04 Dec 2025 18:10	JC\MD	Not Ok
20	Q3757-09	VN088455.D	04 Dec 2025 18:31	JC\MD	Not Ok
21	Q3750-07	VN088456.D	04 Dec 2025 18:51	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120425

Review By	John Carlone	Review On	12/5/2025 8:23:32 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:14:29 PM		
SubDirectory	VN120425	HP Acquire Method		HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136505
Initial Calibration Stds	
CCC	VP136506,VP136507
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3750-08	VN088457.D	04 Dec 2025 19:11	JC\MD	Ok
23	PB170809TB	VN088458.D	04 Dec 2025 19:32	JC\MD	Ok
24	Q3775-01	VN088459.D	04 Dec 2025 19:52	JC\MD	Not Ok
25	IBLK	VN088460.D	04 Dec 2025 20:13	JC\MD	Ok
26	VSTDCCC050	VN088461.D	04 Dec 2025 20:33	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 # VX120425

Review By	John Carlone	Review On	12/5/2025 8:05:59 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:14:46 PM		
SubDirectory	VX120425	HP Acquire Method		HP Processing Method	82X120425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136497
Initial Calibration Stds	VP136526,VP136527,VP136528,VP136529,VP136530,VP136531
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136532
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048713.D	04 Dec 2025 08:15	JC/MD	Ok
2	VSTDICC001	VX048714.D	04 Dec 2025 08:47	JC/MD	Ok,M
3	VSTDICC005	VX048715.D	04 Dec 2025 09:16	JC/MD	Ok,M
4	VSTDICC020	VX048716.D	04 Dec 2025 09:36	JC/MD	Ok,M
5	VSTDICCC050	VX048717.D	04 Dec 2025 09:57	JC/MD	Ok,M
6	VSTDICC100	VX048718.D	04 Dec 2025 10:17	JC/MD	Ok,M
7	VSTDICC150	VX048719.D	04 Dec 2025 10:38	JC/MD	Ok,M
8	IBLK	VX048720.D	04 Dec 2025 10:58	JC/MD	Ok
9	VSTDICV050	VX048721.D	04 Dec 2025 14:04	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 # VX120525

Review By	John Carlone	Review On	12/8/2025 8:24:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/8/2025 11:02:48 AM		
SubDirectory	VX120525	HP Acquire Method		HP Processing Method	82X120425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136523
Initial Calibration Stds	
CCC	VP136524,VP136525
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048722.D	05 Dec 2025 08:14	JC/MD	Ok
2	VSTDCCC050	VX048723.D	05 Dec 2025 08:45	JC/MD	Ok,M
3	VX1205MBL01	VX048724.D	05 Dec 2025 09:14	JC/MD	Ok
4	VX1205WBL01	VX048725.D	05 Dec 2025 10:34	JC/MD	Ok
5	VX1205WBS01	VX048726.D	05 Dec 2025 11:31	JC/MD	Ok,M
6	VX1205WBSD01	VX048727.D	05 Dec 2025 11:59	JC/MD	Ok,M
7	Q3775-01	VX048728.D	05 Dec 2025 12:20	JC/MD	ReRun
8	Q3775-01RE	VX048729.D	05 Dec 2025 12:50	JC/MD	Confirms
9	IBLK	VX048730.D	05 Dec 2025 13:10	JC/MD	Ok
10	Q3757-01	VX048731.D	05 Dec 2025 13:32	JC/MD	Ok
11	Q3757-03	VX048732.D	05 Dec 2025 13:53	JC/MD	Ok
12	Q3757-05	VX048733.D	05 Dec 2025 14:13	JC/MD	ReRun
13	Q3757-07	VX048734.D	05 Dec 2025 14:33	JC/MD	Ok
14	Q3757-09	VX048735.D	05 Dec 2025 14:54	JC/MD	ReRun
15	Q3789-01	VX048736.D	05 Dec 2025 15:14	JC/MD	Ok
16	Q3789-02	VX048737.D	05 Dec 2025 15:35	JC/MD	Ok
17	Q3789-03	VX048738.D	05 Dec 2025 15:55	JC/MD	ReRun
18	Q3789-04	VX048739.D	05 Dec 2025 16:15	JC/MD	ReRun
19	VSTDCCC050	VX048740.D	05 Dec 2025 16:36	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 # VX120825

Review By	John Carlone	Review On	12/9/2025 8:11:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/9/2025 12:45:16 PM		
SubDirectory	VX120825	HP Acquire Method		HP Processing Method	82X120425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136561
Initial Calibration Stds	
CCC	VP136570,VP136571
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048741.D	08 Dec 2025 08:17	JC/MD	Ok
2	VSTDCCC050	VX048742.D	08 Dec 2025 09:20	JC/MD	Ok,M
3	VX1208MBL01	VX048743.D	08 Dec 2025 09:49	JC/MD	Ok
4	VX1208WBL01	VX048744.D	08 Dec 2025 11:15	JC/MD	Ok
5	VX1208WBS01	VX048745.D	08 Dec 2025 11:44	JC/MD	Ok,M
6	VX1208WBSD01	VX048746.D	08 Dec 2025 12:12	JC/MD	Ok,M
7	Q3757-05RE	VX048747.D	08 Dec 2025 12:33	JC/MD	Confirms
8	Q3757-09RE	VX048748.D	08 Dec 2025 12:53	JC/MD	Confirms
9	Q3787-01	VX048749.D	08 Dec 2025 13:14	JC/MD	Ok
10	Q3787-02MS	VX048750.D	08 Dec 2025 13:35	JC/MD	Not Ok
11	Q3787-03MSD	VX048751.D	08 Dec 2025 13:55	JC/MD	Not Ok
12	Q3787-07	VX048752.D	08 Dec 2025 14:16	JC/MD	ReRun
13	Q3787-09	VX048753.D	08 Dec 2025 14:36	JC/MD	ReRun
14	Q3787-11	VX048754.D	08 Dec 2025 14:57	JC/MD	ReRun
15	Q3787-13	VX048755.D	08 Dec 2025 15:18	JC/MD	ReRun
16	Q3787-15	VX048756.D	08 Dec 2025 15:38	JC/MD	Ok
17	Q3787-17	VX048757.D	08 Dec 2025 15:59	JC/MD	ReRun
18	Q3787-19	VX048758.D	08 Dec 2025 16:19	JC/MD	ReRun
19	Q3787-21	VX048759.D	08 Dec 2025 16:40	JC/MD	ReRun
20	Q3788-07	VX048760.D	08 Dec 2025 17:00	JC/MD	ReRun
21	Q3788-09	VX048761.D	08 Dec 2025 17:21	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 # VX120825

Review By	John Carlone	Review On	12/9/2025 8:11:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/9/2025 12:45:16 PM		
SubDirectory	VX120825	HP Acquire Method		HP Processing Method	82X120425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136561
Initial Calibration Stds	
CCC	VP136570,VP136571
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3788-11	VX048762.D	08 Dec 2025 17:41	JC/MD	ReRun
23	Q3788-13	VX048763.D	08 Dec 2025 18:02	JC/MD	Ok
24	Q3787-02MS	VX048764.D	08 Dec 2025 18:22	JC/MD	Ok,M
25	Q3787-03MSD	VX048765.D	08 Dec 2025 18:43	JC/MD	Ok,M
26	VSTDCCC050	VX048766.D	08 Dec 2025 19:03	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_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112425

Review By	John Carlone	Review On	11/25/2025 9:36:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/26/2025 1:52:19 PM		
SubDirectory	VN112425	HP Acquire Method	MSVOA_N	HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136378
Initial Calibration Stds	VP136444,VP136445,VP136446,VP136447,VP136448,VP136449
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136450
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088343.D	24 Nov 2025 08:17		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN088344.D	24 Nov 2025 12:38		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN088345.D	24 Nov 2025 13:11	COM.#74 Peak not detected in 1 and 5 PPB	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN088346.D	24 Nov 2025 13:32		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN088347.D	24 Nov 2025 13:53	Method failed for Comp. #74	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN088348.D	24 Nov 2025 14:14		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN088349.D	24 Nov 2025 14:35		JC\MD	Ok,M
8	IBLK	IBLK	VN088350.D	24 Nov 2025 14:56		JC\MD	Ok
9	VSTDICV050	ICVVN112425	VN088351.D	24 Nov 2025 15:18		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120425

Review By	John Carlone	Review On	12/5/2025 8:23:32 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:14:29 PM		
SubDirectory	VN120425	HP Acquire Method		HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136505
Initial Calibration Stds	
CCC	VP136506,VP136507
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	VN088436.D	04 Dec 2025 11:03		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN088437.D	04 Dec 2025 11:44	pH#Lot#V12668	JC\MD	Ok,M
3	VN1204MBL01	VN1204MBL01	VN088438.D	04 Dec 2025 12:17		JC\MD	Ok
4	VN1204WBL01	VN1204WBL01	VN088439.D	04 Dec 2025 12:38		JC\MD	Ok
5	VN1204MBS01	VN1204MBS01	VN088440.D	04 Dec 2025 13:11		JC\MD	Ok,M
6	Q3768-01	20071	VN088441.D	04 Dec 2025 13:31	Need Soil Run	JC\MD	Not Ok
7	IBLK	IBLK	VN088442.D	04 Dec 2025 13:52		JC\MD	Ok
8	VN1204WBS01	VN1204WBS01	VN088443.D	04 Dec 2025 14:12		JC\MD	Ok,M
9	VN1204WBSD01	VN1204WBSD01	VN088444.D	04 Dec 2025 14:45		JC\MD	Ok,M
10	Q3756-03	BR-01-190-120225	VN088445.D	04 Dec 2025 15:06	vial A pH<2	JC\MD	Ok
11	Q3756-01	OW-04B-26.5-120225	VN088446.D	04 Dec 2025 15:26	vial A pH<2	JC\MD	Ok
12	Q3756-05	MW-04-12-120225	VN088447.D	04 Dec 2025 15:47	vial A pH<2	JC\MD	Ok
13	Q3756-07	MW-13B-47.5-120225	VN088448.D	04 Dec 2025 16:07	vial A pH<2	JC\MD	Ok
14	Q3757-12	TB01-120325	VN088449.D	04 Dec 2025 16:28	vial A pH<2 TB	JC\MD	Ok
15	Q3757-11	EB01-120325	VN088450.D	04 Dec 2025 16:48	vial A pH<2 EB	JC\MD	Ok,M
16	Q3757-01	MW-14A-17.5-120325	VN088451.D	04 Dec 2025 17:09	Need Straight Run	JC\MD	Not Ok
17	Q3757-03	BR-03D-490-120325	VN088452.D	04 Dec 2025 17:29	Need Straight Run	JC\MD	Not Ok
18	Q3757-05	MW-14B-46-120325	VN088453.D	04 Dec 2025 17:50	Need Straight Run	JC\MD	Not Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN120425

Review By	John Carlone	Review On	12/5/2025 8:23:32 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:14:29 PM		
SubDirectory	VN120425	HP Acquire Method		HP Processing Method	82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136505
Initial Calibration Stds	
CCC	VP136506,VP136507
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3757-07	RMW-05B-90.5-120325	VN088454.D	04 Dec 2025 18:10	Need Straight Run	JC\MD	Not Ok
20	Q3757-09	OW-05B-72-120325	VN088455.D	04 Dec 2025 18:31	Need Straight Run	JC\MD	Not Ok
21	Q3750-07	FENCE WC-1	VN088456.D	04 Dec 2025 18:51	vial B pH#5.0	JC\MD	Ok
22	Q3750-08	FENCE WC-2	VN088457.D	04 Dec 2025 19:11	vial B pH#5.0	JC\MD	Ok
23	PB170809TB	PB170809TB	VN088458.D	04 Dec 2025 19:32		JC\MD	Ok
24	Q3775-01	NGKO	VN088459.D	04 Dec 2025 19:52	Need Straight Run	JC\MD	Not Ok
25	IBLK	IBLK	VN088460.D	04 Dec 2025 20:13		JC\MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VN088461.D	04 Dec 2025 20:33		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 # VX120425

Review By	John Carlone	Review On	12/5/2025 8:05:59 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:14:46 PM		
SubDirectory	VX120425	HP Acquire Method		HP Processing Method	82X120425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136497
Initial Calibration Stds	VP136526,VP136527,VP136528,VP136529,VP136530,VP136531
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136532
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048713.D	04 Dec 2025 08:15		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX048714.D	04 Dec 2025 08:47		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX048715.D	04 Dec 2025 09:16		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX048716.D	04 Dec 2025 09:36	Comp. #13 on Linear Regression	JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX048717.D	04 Dec 2025 09:57	Comp. #95 on Quadratic Regression	JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX048718.D	04 Dec 2025 10:17		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX048719.D	04 Dec 2025 10:38		JC/MD	Ok,M
8	IBLK	IBLK	VX048720.D	04 Dec 2025 10:58		JC/MD	Ok
9	VSTDICV050	ICVVX120425	VX048721.D	04 Dec 2025 14:04		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 # VX120525

Review By	John Carlone	Review On	12/8/2025 8:24:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/8/2025 11:02:48 AM		
SubDirectory	VX120525	HP Acquire Method		HP Processing Method	82X120425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136523
Initial Calibration Stds	
CCC	VP136524,VP136525
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	VX048722.D	05 Dec 2025 08:14		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048723.D	05 Dec 2025 08:45	pH#Lot#V12668	JC/MD	Ok,M
3	VX1205MBL01	VX1205MBL01	VX048724.D	05 Dec 2025 09:14		JC/MD	Ok
4	VX1205WBL01	VX1205WBL01	VX048725.D	05 Dec 2025 10:34		JC/MD	Ok
5	VX1205WBS01	VX1205WBS01	VX048726.D	05 Dec 2025 11:31		JC/MD	Ok,M
6	VX1205WBSD01	VX1205WBSD01	VX048727.D	05 Dec 2025 11:59		JC/MD	Ok,M
7	Q3775-01	NGKO	VX048728.D	05 Dec 2025 12:20	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
8	Q3775-01RE	NGKORE	VX048729.D	05 Dec 2025 12:50	vial B pH#5.0 Surrogate fail	JC/MD	Confirms
9	IBLK	IBLK	VX048730.D	05 Dec 2025 13:10		JC/MD	Ok
10	Q3757-01	MW-14A-17.5-120325	VX048731.D	05 Dec 2025 13:32	vial A pH<2	JC/MD	Ok
11	Q3757-03	BR-03D-490-120325	VX048732.D	05 Dec 2025 13:53	vial A pH<2	JC/MD	Ok
12	Q3757-05	MW-14B-46-120325	VX048733.D	05 Dec 2025 14:13	vial A pH<2 Surrogate fail	JC/MD	ReRun
13	Q3757-07	RMW-05B-90.5-120325	VX048734.D	05 Dec 2025 14:33	vial A pH<2	JC/MD	Ok
14	Q3757-09	OW-05B-72-120325	VX048735.D	05 Dec 2025 14:54	vial A pH<2 Surrogate fail	JC/MD	ReRun
15	Q3789-01	STORAGE-BLANK-SO	VX048736.D	05 Dec 2025 15:14	vial A pH<2	JC/MD	Ok
16	Q3789-02	STORAGE-BLANK-WA	VX048737.D	05 Dec 2025 15:35	vial A pH<2	JC/MD	Ok
17	Q3789-03	STORAGE-BLANK-WA	VX048738.D	05 Dec 2025 15:55	vial A pH<2 Surrogate fail	JC/MD	ReRun
18	Q3789-04	STORAGE-BLANK-SA	VX048739.D	05 Dec 2025 16:15	vial A pH<2 Surrogate fail	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 # VX120525

Review By	John Carlone	Review On	12/8/2025 8:24:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/8/2025 11:02:48 AM		
SubDirectory	VX120525	HP Acquire Method		HP Processing Method	82X120425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136523
Initial Calibration Stds	
CCC	VP136524,VP136525
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VX048740.D	05 Dec 2025 16:36		JC/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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 # VX120825

Review By	John Carlone	Review On	12/9/2025 8:11:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/9/2025 12:45:16 PM		
SubDirectory	VX120825	HP Acquire Method		HP Processing Method	82X120425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136561
Initial Calibration Stds	
CCC	VP136570,VP136571
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	VX048741.D	08 Dec 2025 08:17		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048742.D	08 Dec 2025 09:20	pH#Lot#V12668	JC/MD	Ok,M
3	VX1208MBL01	VX1208MBL01	VX048743.D	08 Dec 2025 09:49		JC/MD	Ok
4	VX1208WBL01	VX1208WBL01	VX048744.D	08 Dec 2025 11:15		JC/MD	Ok
5	VX1208WBS01	VX1208WBS01	VX048745.D	08 Dec 2025 11:44		JC/MD	Ok,M
6	VX1208WBSD01	VX1208WBSD01	VX048746.D	08 Dec 2025 12:12		JC/MD	Ok,M
7	Q3757-05RE	MW-14B-46-120325RE	VX048747.D	08 Dec 2025 12:33	vial B pH<2 Surrogate fail	JC/MD	Confirms
8	Q3757-09RE	OW-05B-72-120325RE	VX048748.D	08 Dec 2025 12:53	vial B pH<2 Surrogate fail	JC/MD	Confirms
9	Q3787-01	MW-15B-42.5-120425	VX048749.D	08 Dec 2025 13:14	vial A pH<2	JC/MD	Ok
10	Q3787-02MS	MW-15B-42.5-120425-I	VX048750.D	08 Dec 2025 13:35	Not Spiked	JC/MD	Not Ok
11	Q3787-03MSD	MW-15B-42.5-120425-I	VX048751.D	08 Dec 2025 13:55	Not Spiked	JC/MD	Not Ok
12	Q3787-07	OWBR-02-170-120425	VX048752.D	08 Dec 2025 14:16	vial A pH<2 Surrogate fail	JC/MD	ReRun
13	Q3787-09	OWBR-02-170-120425-	VX048753.D	08 Dec 2025 14:36	vial A pH<2 Surrogate fail	JC/MD	ReRun
14	Q3787-11	OW-03B-51.5-120425	VX048754.D	08 Dec 2025 14:57	vial A pH<2 Surrogate fail	JC/MD	ReRun
15	Q3787-13	OW-03B-51.5-120425-F	VX048755.D	08 Dec 2025 15:18	vial A pH<2 Surrogate fail	JC/MD	ReRun
16	Q3787-15	OW-08B-72.5-120425	VX048756.D	08 Dec 2025 15:38	vial A pH<2	JC/MD	Ok
17	Q3787-17	OW-08B-72.5-120425-F	VX048757.D	08 Dec 2025 15:59	vial A pH<2 Surrogate fail	JC/MD	ReRun
18	Q3787-19	OW-02B-21.2-120425	VX048758.D	08 Dec 2025 16:19	vial A pH<2 Surrogate fail	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 # VX120825

Review By	John Carlone	Review On	12/9/2025 8:11:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/9/2025 12:45:16 PM		
SubDirectory	VX120825	HP Acquire Method		HP Processing Method	82X120425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136561
Initial Calibration Stds	
CCC	VP136570,VP136571
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3787-21	TB01-120425	VX048759.D	08 Dec 2025 16:40	vial A pH<2 TB;Surrogate fail	JC/MD	ReRun
20	Q3788-07	OW-01B-66.5-120525	VX048760.D	08 Dec 2025 17:00	vial A pH<2 Surrogate fail	JC/MD	ReRun
21	Q3788-09	TA-BR-05-465-120525	VX048761.D	08 Dec 2025 17:21	vial A pH<2 Surrogate fail	JC/MD	ReRun
22	Q3788-11	MW-16B-87.5-120525	VX048762.D	08 Dec 2025 17:41	vial A pH<2 Surrogate fail	JC/MD	ReRun
23	Q3788-13	TB01-120525	VX048763.D	08 Dec 2025 18:02	vial A pH<2 TB	JC/MD	Ok
24	Q3787-02MS	MW-15B-42.5-120425-I	VX048764.D	08 Dec 2025 18:22	vial A pH<2	JC/MD	Ok,M
25	Q3787-03MSD	MW-15B-42.5-120425-I	VX048765.D	08 Dec 2025 18:43	vial A pH<2	JC/MD	Ok,M
26	VSTDCCC050	VSTDCCC050EC	VX048766.D	08 Dec 2025 19:03		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:	Q3757	**OrderDate:**	12/3/2025 9:25:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	--Select--,A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3757-01	**MW-14A-17.5-120325**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/05/25	
Q3757-03	**BR-03D-490-120325**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/05/25	
Q3757-05	**MW-14B-46-120325**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/05/25	
Q3757-05RE	**MW-14B-46-120325RE**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/08/25	
Q3757-07	**RMW-05B-90.5-120325**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/05/25	
Q3757-09	**OW-05B-72-120325**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/05/25	
Q3757-09RE	**OW-05B-72-120325RE**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/08/25	
Q3757-11	**EB01-120325**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/04/25	
Q3757-12	**TB01-120325**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/04/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3757

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**RMW-05B-90.5-120325-SIM**							
Q3757-08	RMW-05B-90.5-12(	Water	Vinyl chloride	0.12		0.020	0.020	ug/L
			Total Voc :	0.12				
			Total Concentration:	0.12				

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	MW-14A-17.5-120325-SIM	SDG No.:	Q3757
Lab Sample ID:	Q3757-02	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/09/25 15:00	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.53			40 - 130	105%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.41			70 - 130	81.8%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.39			60 - 140	78.8%	SPK: 0.5		
2037-26-5	Toluene-d8	0.46			70 - 130	91.2%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.51			65 - 120	102.8%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	7170							
540-36-3	1,4-Difluorobenzene	7770							
3855-82-1	1,4-Dichlorobenzene-d4	3770							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	MW-14B-46-120325-SIM	SDG No.:	Q3757
Lab Sample ID:	Q3757-06	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/09/25 15:21	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.52			40 - 130	103.4%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.41			70 - 130	81%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.38			60 - 140	76.6%	SPK: 0.5		
2037-26-5	Toluene-d8	0.43			70 - 130	86.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.50			65 - 120	99%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	7410							
540-36-3	1,4-Difluorobenzene	7740							
3855-82-1	1,4-Dichlorobenzene-d4	3980							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	RMW-05B-90.5-120325-SI	SDG No.:	Q3757
Lab Sample ID:	Q3757-08	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.12		1	0.020	0.020	ug/L	12/05/25 14:16	VV120525
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.51			40 - 130	102.4%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.41			70 - 130	81.8%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.38			60 - 140	75.6%	SPK: 0.5		
2037-26-5	Toluene-d8	0.42			70 - 130	84.8%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.51			65 - 120	102.6%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	5570							
540-36-3	1,4-Difluorobenzene	6010							
3855-82-1	1,4-Dichlorobenzene-d4	2840							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	OW-05B-72-120325-SIM	SDG No.:	Q3757
Lab Sample ID:	Q3757-10	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/05/25 15:47	VV120525
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.57			40 - 130	113.2%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.48			70 - 130	95.4%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.39			60 - 140	78.4%	SPK: 0.5		
2037-26-5	Toluene-d8	0.44			70 - 130	88.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.51			65 - 120	101.4%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	5840							
540-36-3	1,4-Difluorobenzene	6090							
3855-82-1	1,4-Dichlorobenzene-d4	3050							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	EB01-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-11	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/09/25 15:42	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.57			40 - 130	114.2%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.44			70 - 130	88%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.41			60 - 140	81.4%	SPK: 0.5		
2037-26-5	Toluene-d8	0.45			70 - 130	90.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.53			65 - 120	105.2%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	7250							
540-36-3	1,4-Difluorobenzene	7360							
3855-82-1	1,4-Dichlorobenzene-d4	3880							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	TB01-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-12	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/05/25 14:37	VV120525
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.59			40 - 130	118.4%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.43			70 - 130	86.6%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.40			60 - 140	79.6%	SPK: 0.5		
2037-26-5	Toluene-d8	0.44			70 - 130	87%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.50			65 - 120	100%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	6640							
540-36-3	1,4-Difluorobenzene	6680							
3855-82-1	1,4-Dichlorobenzene-d4	3360							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	VHBLK001	SDG No.:	Q3757
Lab Sample ID:	Q3757-14	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/09/25 18:51	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.58			40 - 130	116.2%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.49			70 - 130	97.4%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.44			60 - 140	88.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.48			70 - 130	96.4%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.57			65 - 120	114.2%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	5540							
540-36-3	1,4-Difluorobenzene	5510							
3855-82-1	1,4-Dichlorobenzene-d4	2900							

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.: Q3757

Client: JACOBS Engineering Group, Inc.

Analytical Method: SWSFAM_VOCSIM

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3757-02	MW-14A-17.5-120325-SIM	Vinyl chloride-d3	0.5	0.53	105		40	130
		1,2-Dichloroethane-d4	0.5	0.41	82		70	130
		1,2-Dichloropropane-d6	0.5	0.39	79		60	140
		Toluene-d8	0.5	0.46	91		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.51	103		65	120
Q3757-06	MW-14B-46-120325-SIM	Vinyl chloride-d3	0.5	0.52	103		40	130
		1,2-Dichloroethane-d4	0.5	0.41	81		70	130
		1,2-Dichloropropane-d6	0.5	0.38	77		60	140
		Toluene-d8	0.5	0.43	87		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.50	99		65	120
Q3757-08	RMW-05B-90.5-120325-SIM	Vinyl chloride-d3	0.5	0.51	102		40	130
		1,2-Dichloroethane-d4	0.5	0.41	82		70	130
		1,2-Dichloropropane-d6	0.5	0.38	76		60	140
		Toluene-d8	0.5	0.42	85		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.51	103		65	120
Q3757-10	OW-05B-72-120325-SIM	Vinyl chloride-d3	0.5	0.57	113		40	130
		1,2-Dichloroethane-d4	0.5	0.48	95		70	130
		1,2-Dichloropropane-d6	0.5	0.39	78		60	140
		Toluene-d8	0.5	0.44	89		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.51	101		65	120
Q3757-11	EB01-120325	Vinyl chloride-d3	0.5	0.57	114		40	130
		1,2-Dichloroethane-d4	0.5	0.44	88		70	130
		1,2-Dichloropropane-d6	0.5	0.41	81		60	140
		Toluene-d8	0.5	0.45	91		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.53	105		65	120
Q3757-12	TB01-120325	Vinyl chloride-d3	0.5	0.59	118		40	130
		1,2-Dichloroethane-d4	0.5	0.43	87		70	130
		1,2-Dichloropropane-d6	0.5	0.40	80		60	140
		Toluene-d8	0.5	0.44	87		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.50	100		65	120
Q3757-14	VHBLK001	Vinyl chloride-d3	0.5	0.58	116		40	130
		1,2-Dichloroethane-d4	0.5	0.49	97		70	130
		1,2-Dichloropropane-d6	0.5	0.44	88		60	140
		Toluene-d8	0.5	0.48	96		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.57	114		65	120
VV1205WBL01	VBLK236	Vinyl chloride-d3	0.5	0.57	114		40	130
		1,2-Dichloroethane-d4	0.5	0.46	91		70	130
		1,2-Dichloropropane-d6	0.5	0.43	85		60	140
		Toluene-d8	0.5	0.48	95		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.54	108		65	120
VV1209WBL01	VBLK238	Vinyl chloride-d3	0.5	0.57	113		40	130
		1,2-Dichloroethane-d4	0.5	0.44	87		70	130
		1,2-Dichloropropane-d6	0.5	0.42	83		60	140
		Toluene-d8	0.5	0.47	95		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.51	101		65	120

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VBLK236

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3757

Lab File ID: VV039474.D | Lab Sample ID: VV1205WBL01

Date Analyzed: 12/05/2025 | Time Analyzed: 12:30

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

Instrument ID: MSVOA_V

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RMW-05B-90.5-120325-SIM	Q3757-08	VV039477.D	12/05/2025
TB01-120325	Q3757-12	VV039478.D	12/05/2025
OW-05B-72-120325-SIM	Q3757-10	VV039481.D	12/05/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VBLK238

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3757

Lab File ID: VV039502.D | Lab Sample ID: VV1209WBL01

Date Analyzed: 12/09/2025 | Time Analyzed: 14:29

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

Instrument ID: MSVOA_V

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-14A-17.5-120325-SIM	Q3757-02	VV039503.D	12/09/2025
MW-14B-46-120325-SIM	Q3757-06	VV039504.D	12/09/2025
EB01-120325	Q3757-11	VV039505.D	12/09/2025
VHBLK001	Q3757-14	VV039514.D	12/09/2025

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.: Q3757

Lab File ID: VV039444.D | BFB Injection Date: 12/03/2025

Instrument ID: MSVOA_V | BFB Injection Time: 09:23

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	18.4
75	30.0 - 60.0% of mass 95	48.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.7 (1.8) 1
174	50.0 - 100.0% of mass 95	94.2
175	5.0 - 9.0% of mass 174	6.9 (7.3) 1
176	95.0 - 101.0% of mass 174	91.7 (97.4) 1
177	5.0 - 9.0% of mass 176	6 (6.5) 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
VSTD0.02269	VSTD0.0269	VV039445.D	12/03/2025	09:55
VSTD0.05270	VSTD0.0570	VV039446.D	12/03/2025	10:32
VSTD0.1271	VSTD0.171	VV039447.D	12/03/2025	10:58
VSTD0.5272	VSTD0.572	VV039448.D	12/03/2025	11:25
VSTD001273	VSTD00173	VV039449.D	12/03/2025	11:52
VSTD002274	VSTD00274	VV039450.D	12/03/2025	12:18

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.: Q3757
Lab File ID: VV039472.D
BFB Injection Date: 12/05/2025
Instrument ID: MSVOA_V
BFB Injection Time: 10:46
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	18.1
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.6 (1.7) 1
174	50.0 - 100.0% of mass 95	95.4
175	5.0 - 9.0% of mass 174	6.8 (7.1) 1
176	95.0 - 101.0% of mass 174	92.4 (96.9) 1
177	5.0 - 9.0% of mass 176	6.1 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD0.5335	VSTDCCC0.5	VV039473.D	12/05/2025	11:47
VBLK236	VV1205WBL01	VV039474.D	12/05/2025	12:30
RMW-05B-90.5-120325-SIM	Q3757-08	VV039477.D	12/05/2025	14:16
TB01-120325	Q3757-12	VV039478.D	12/05/2025	14:37
OW-05B-72-120325-SIM	Q3757-10	VV039481.D	12/05/2025	15:47
VSTD0.5336	VSTDCCC0.5EC	VV039484.D	12/05/2025	16:50

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.: Q3757

Lab File ID: VV039500.D | BFB Injection Date: 12/09/2025

Instrument ID: MSVOA_V | BFB Injection Time: 12:56

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	19.7
75	30.0 - 60.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.7 (1.8) 1
174	50.0 - 100.0% of mass 95	95
175	5.0 - 9.0% of mass 174	7.4 (7.8) 1
176	95.0 - 101.0% of mass 174	93 (97.8) 1
177	5.0 - 9.0% of mass 176	6.5 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD0.5339	VSTDCCC0.5	VV039501.D	12/09/2025	13:58
VBLK238	VV1209WBL01	VV039502.D	12/09/2025	14:29
MW-14A-17.5-120325-SIM	Q3757-02	VV039503.D	12/09/2025	15:00
MW-14B-46-120325-SIM	Q3757-06	VV039504.D	12/09/2025	15:21
EB01-120325	Q3757-11	VV039505.D	12/09/2025	15:42
VHBLK001	Q3757-14	VV039514.D	12/09/2025	18:51
VSTD0.5340	VSTDCCC0.5EC	VV039515.D	12/09/2025	19:12

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.: Q3757

Lab File ID: VV039473.D Date Analyzed: 12/05/2025

Instrument ID: MSVOA_V Time Analyzed: 11:47

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

	IS1 (DFB) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
12 HOUR STD	6700	5.57	6813	8.79	3959	11.18
UPPER LIMIT	13400	5.736	13626	8.955	7918	11.345
LOWER LIMIT	3350	5.396	3406.5	8.615	1979.5	11.005
EPA SAMPLE NO.						
RMW-05B-90.5-120325-SIM	6011	5.57	5568	8.80	2844	11.20
OW-05B-72-120325-SIM	6092	5.57	5835	8.80	3054	11.20
TB01-120325	6676	5.57	6644	8.80	3356	11.20
VBLK236	5971	5.57	5907	8.80	3034	11.20

IS1 (DFB) = 1,4-Difluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 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.

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.: Q3757

Lab File ID: VV039501.D Date Analyzed: 12/09/2025

Instrument ID: MSVOA_V Time Analyzed: 13:58

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

	IS1 (DFB) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
12 HOUR STD	7231	5.57	7043	8.79	3954	11.18
UPPER LIMIT	14462	5.736	14086	8.955	7908	11.345
LOWER LIMIT	3615.5	5.396	3521.5	8.615	1977	11.005
EPA SAMPLE NO.						
MW-14A-17.5-120325-SIM	7765	5.57	7166	8.79	3774	11.18
MW-14B-46-120325-SIM	7740	5.57	7407	8.80	3976	11.18
EB01-120325	7363	5.57	7248	8.80	3880	11.18
VHBLK001	5508	5.57	5536	8.80	2897	11.20
VBLK238	6387	5.57	5976	8.80	3086	11.20

IS1 (DFB) = 1,4-Difluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 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:	VBLK236	SDG No.:	Q3757
Lab Sample ID:	VV1205WBL01	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/05/25 12:30	VV120525
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.57			40 - 130	114%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.46			70 - 130	91.2%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.43			60 - 140	85%	SPK: 0.5		
2037-26-5	Toluene-d8	0.48			70 - 130	95.2%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.54			65 - 120	108.2%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	5910							
540-36-3	1,4-Difluorobenzene	5970							
3855-82-1	1,4-Dichlorobenzene-d4	3030							

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:	VBLK238	SDG No.:	Q3757
Lab Sample ID:	VV1209WBL01	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/09/25 14:29	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.57			40 - 130	113.2%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.44			70 - 130	87%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.42			60 - 140	83%	SPK: 0.5		
2037-26-5	Toluene-d8	0.47			70 - 130	94.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.51			65 - 120	101.2%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	5980							
540-36-3	1,4-Difluorobenzene	6390							
3855-82-1	1,4-Dichlorobenzene-d4	3090							

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.: Q3757

Instrument ID: MSVOA_V Calibration Date(s): 12/03/2025 12/03/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:55 12:18

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

LAB FILE ID: RRFAL1 = VV039445.D RRFAL2 = VV039446.D RRFAL3 = VV039447.D
RRFAL4 = VV039448.D RRFAL5 = VV039449.D RRFAL6 = VV039450.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	$\overline{RRF}$	% RSD
Vinyl chloride	1.464	0.963	1.023	1.100	0.991	0.950	1.082	18
Vinyl Chloride-d3		0.473	0.499	0.533	0.491	0.458	0.491	5.8
1,2-Dichloroethane-d4		0.383	0.341	0.334	0.318	0.288	0.333	10.3
1,2-Dichloropropane-d6		0.397	0.402	0.463	0.425	0.422	0.422	6.2
Toluene-d8		0.674	0.616	0.726	0.738	0.805	0.712	10
1,1,2,2-Tetrachloroethane-d2		0.215	0.249	0.262	0.243	0.220	0.238	8.4

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

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.: Q3757

Instrument ID: MSVOA_V Calibration Date/Time: 12/05/2025 11:47

Lab File ID: VV039473.D Init. Calib. Date(s): 12/03/2025 12/03/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:55 12:18

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	1.040	0.01	-3.9	30
Vinyl Chloride-d3	0.491	0.450	0.01	-8.2	30
1,2-Dichloroethane-d4	0.333	0.286	0.01	-14.1	25
1,2-Dichloropropane-d6	0.422	0.406	0.1	-3.8	20
Toluene-d8	0.712	0.606	0.2	-14.8	20
1,1,2,2-Tetrachloroethane-d2	0.238	0.225	0.01	-5.2	25

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.: Q3757

Instrument ID: MSVOA_V Calibration Date/Time: 12/05/2025 16:50

Lab File ID: VV039484.D Init. Calib. Date(s): 12/03/2025 12/03/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:55 12:18

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	1.103	0.01	2	50
Vinyl Chloride-d3	0.491	0.570	0.01	16.2	50
1,2-Dichloroethane-d4	0.333	0.332	0.01	-0.4	50
1,2-Dichloropropane-d6	0.422	0.431	0.1	2.2	50
Toluene-d8	0.712	0.675	0.2	-5.1	50
1,1,2,2-Tetrachloroethane-d2	0.238	0.249	0.01	4.8	50

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.: Q3757

Instrument ID: MSVOA_V Calibration Date/Time: 12/09/2025 13:58

Lab File ID: VV039501.D Init. Calib. Date(s): 12/03/2025 12/03/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:55 12:18

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	0.964	0.01	-10.9	30
Vinyl Chloride-d3	0.491	0.543	0.01	10.5	30
1,2-Dichloroethane-d4	0.333	0.310	0.01	-7	25
1,2-Dichloropropane-d6	0.422	0.429	0.1	1.6	20
Toluene-d8	0.712	0.699	0.2	-1.7	20
1,1,2,2-Tetrachloroethane-d2	0.238	0.243	0.01	2.1	25

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.: Q3757

Instrument ID: MSVOA_V Calibration Date/Time: 12/09/2025 19:12

Lab File ID: VV039515.D Init. Calib. Date(s): 12/03/2025 12/03/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:55 12:18

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	1.118	0.01	3.3	50
Vinyl Chloride-d3	0.491	0.568	0.01	15.6	50
1,2-Dichloroethane-d4	0.333	0.332	0.01	-0.2	50
1,2-Dichloropropane-d6	0.422	0.451	0.1	7	50
Toluene-d8	0.712	0.694	0.2	-2.4	50
1,1,2,2-Tetrachloroethane-d2	0.238	0.267	0.01	12.4	50

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_V\DATA\VV120925\
Data File : VV039503.D
Acq On : 09 Dec 2025 15:00
Operator : SY/MD
Sample : Q3757-02
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-14A-17.5-120325-SIM

Quant Time: Dec 10 01:16:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

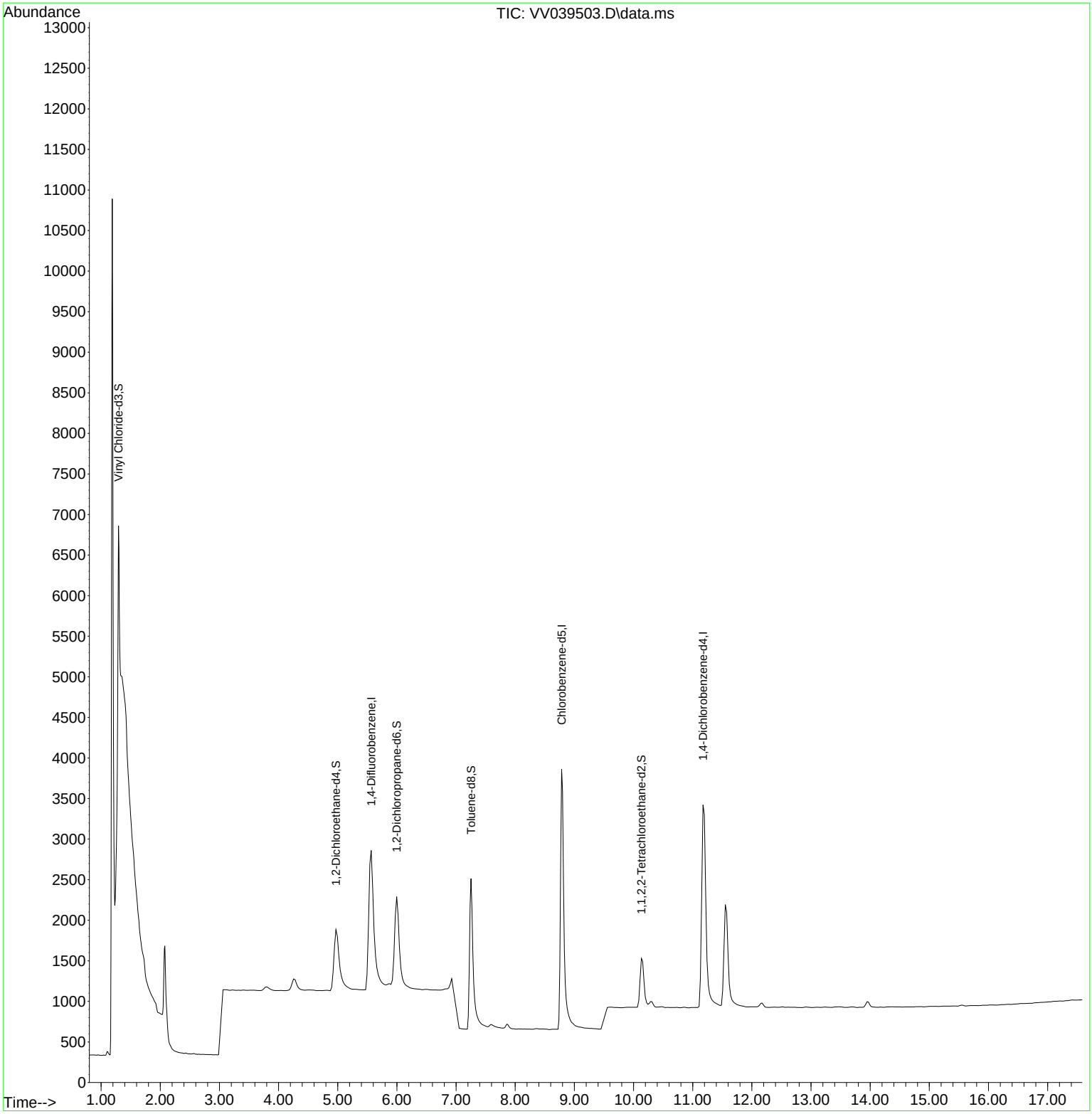
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7765	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	7166	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.175	152	3774	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	4004	0.525	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 106.000%			
4) 1,2-Dichloroethane-d4	4.970	65	2117	0.409	ug/L	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 82.000%			
7) 1,2-Dichloropropane-d6	5.996	67	2385	0.394	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 78.000%			
8) Toluene-d8	7.254	98	4648	0.456	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 92.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1751	0.514	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 102.000%			
Target Compounds						Qvalue

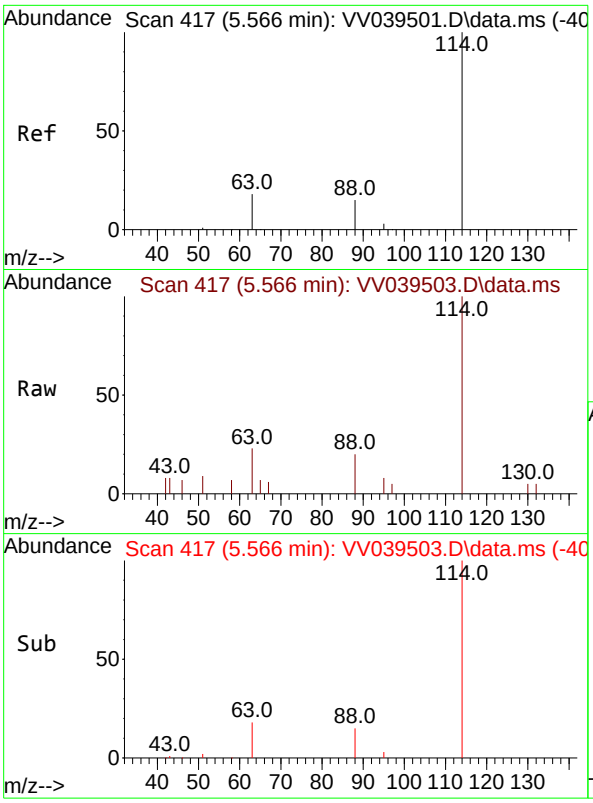
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039503.D
Acq On : 09 Dec 2025 15:00
Operator : SY/MD
Sample : Q3757-02
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-14A-17.5-120325-SIM

Quant Time: Dec 10 01:16:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration



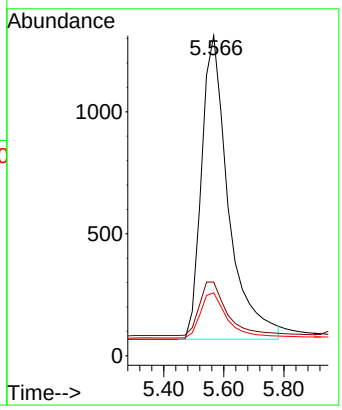


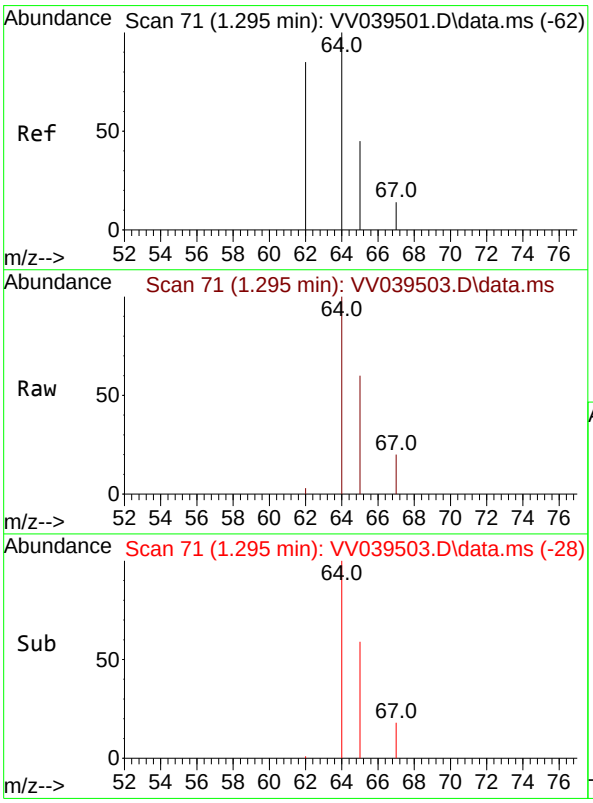
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039503.D
Acq: 09 Dec 2025 15:00

Instrument :
MSVOA_V
ClientSampleId :
MW-14A-17.5-120325-SIM

Tgt Ion:114 Resp: 7765

Ion	Ratio	Lower	Upper
114	100		
63	18.0	15.0	22.4
88	14.8	12.0	18.0

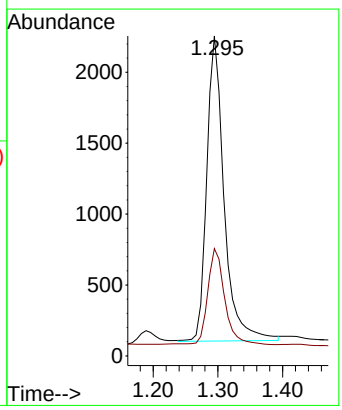


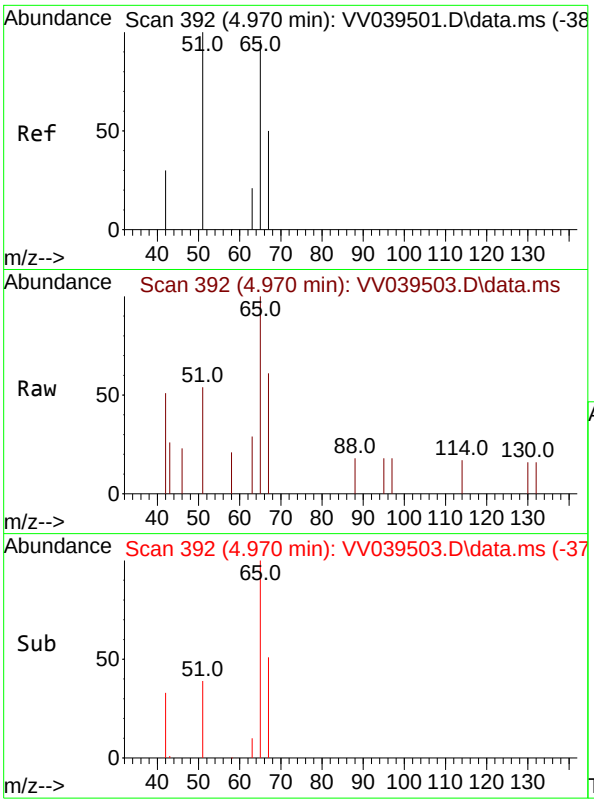


#2
Vinyl Chloride-d3
Concen: 0.525 ug/L
RT: 1.295 min Scan# 71
Delta R.T. 0.001 min
Lab File: VV039503.D
Acq: 09 Dec 2025 15:00

Tgt Ion: 65 Resp: 4004

Ion	Ratio	Lower	Upper
65	100		
67	30.8	22.3	41.5



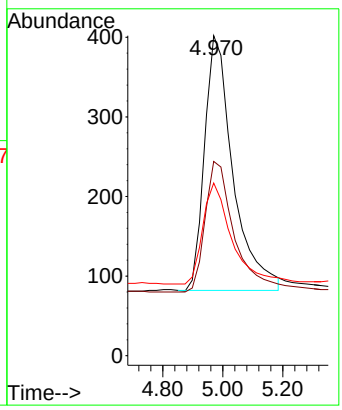


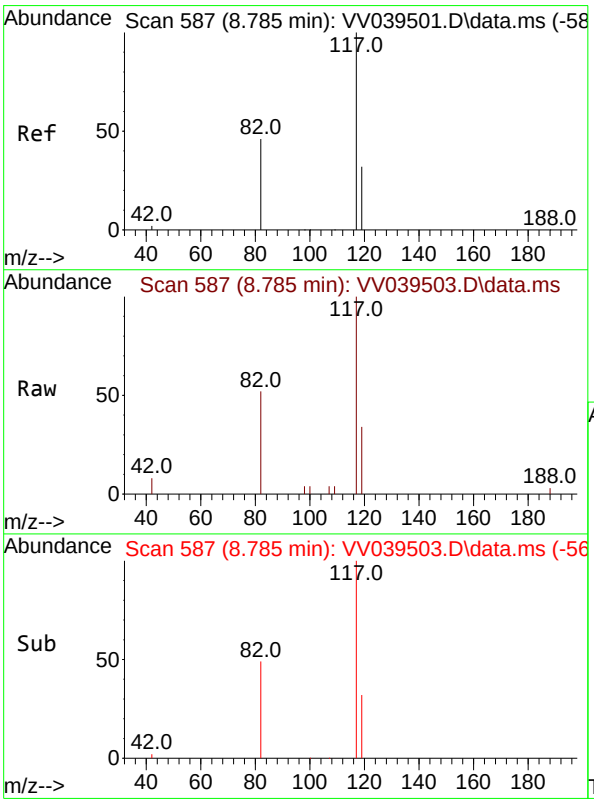
#4
1,2-Dichloroethane-d4
Concen: 0.409 ug/L
RT: 4.970 min Scan# 3
Delta R.T. 0.001 min
Lab File: VV039503.D
Acq: 09 Dec 2025 15:00

Instrument :
MSVOA_V
ClientSampleId :
MW-14A-17.5-120325-SIM

Tgt Ion: 65 Resp: 2117

Ion	Ratio	Lower	Upper
65	100		
67	52.3	32.5	60.3
51	40.2	121.4	225.6#

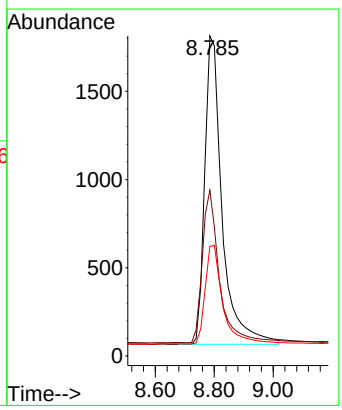


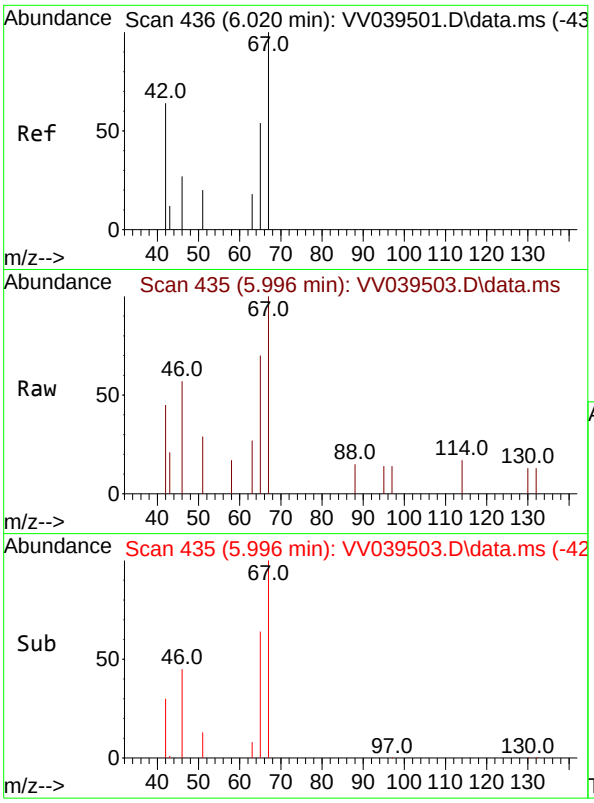


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. -0.000 min
Lab File: VV039503.D
Acq: 09 Dec 2025 15:00

Tgt Ion:117 Resp: 7166

Ion	Ratio	Lower	Upper
117	100		
82	48.2	39.4	59.2
119	32.4	26.2	39.2



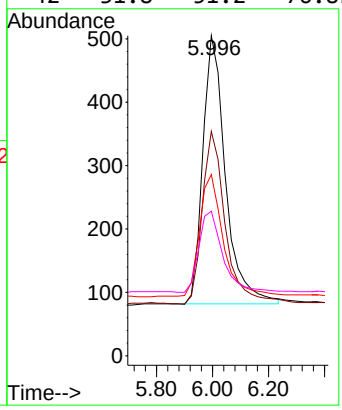


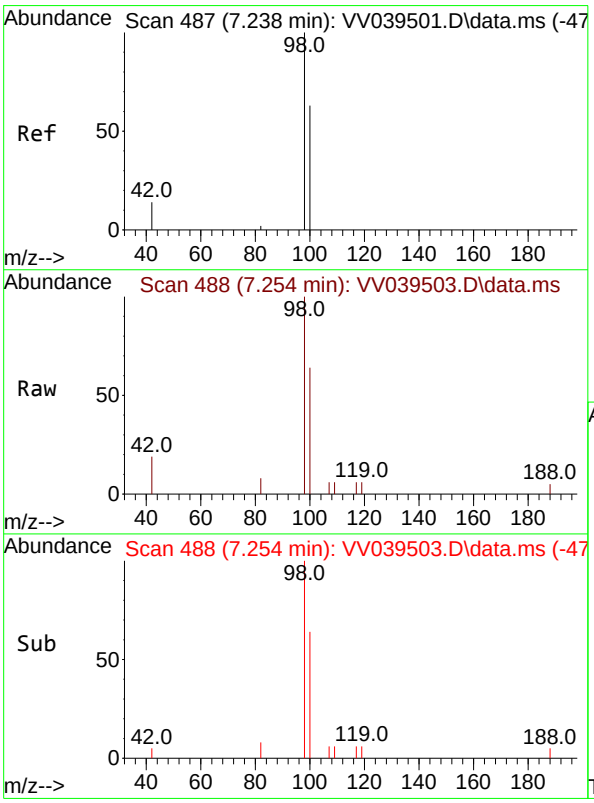
#7
1,2-Dichloropropane-d6
Concen: 0.394 ug/L
RT: 5.996 min Scan# 4
Delta R.T. -0.023 min
Lab File: VV039503.D
Acq: 09 Dec 2025 15:00

Instrument :
MSVOA_V
ClientSampleId :
MW-14A-17.5-120325-SIM

Tgt Ion: 67 Resp: 2385

Ion	Ratio	Lower	Upper
67	100		
65	64.8	37.9	56.9#
46	48.3	27.4	41.0#
42	31.8	51.2	76.8#

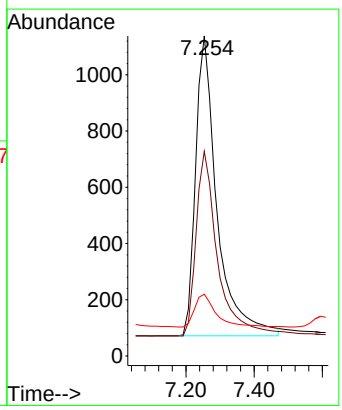


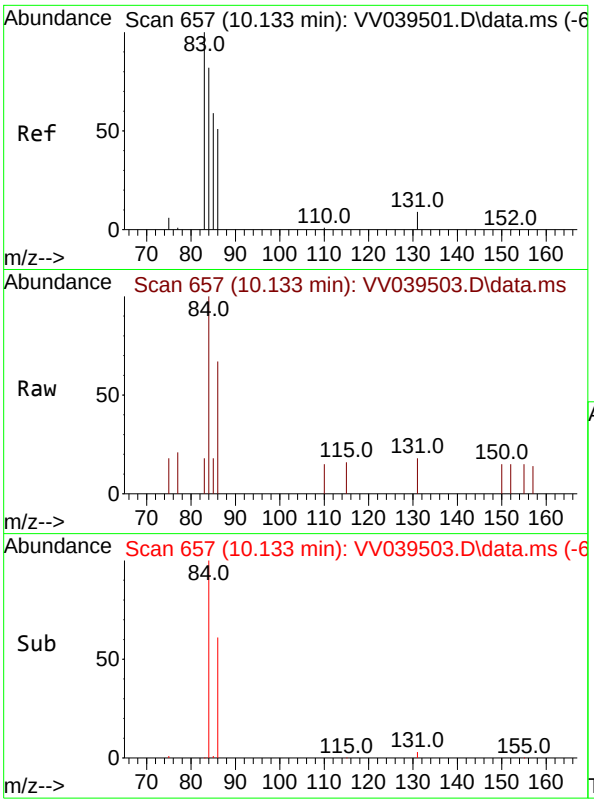


#8
Toluene-d8
Concen: 0.456 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039503.D
Acq: 09 Dec 2025 15:00

Tgt Ion: 98 Resp: 4648

Ion	Ratio	Lower	Upper
98	100		
100	61.8	44.5	82.7
42	10.9	10.1	18.7



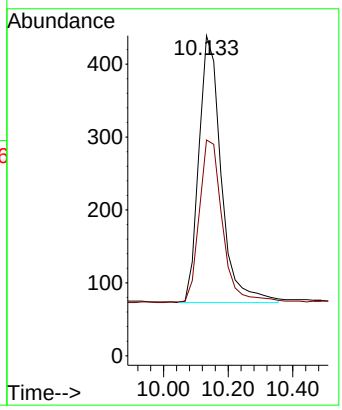


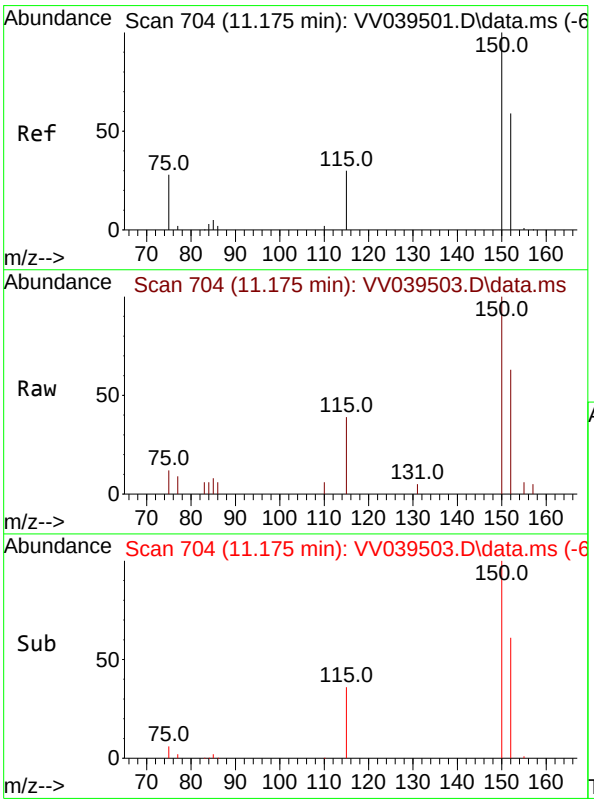
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.514 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039503.D
Acq: 09 Dec 2025 15:00

Instrument :
MSVOA_V
ClientSampleId :
MW-14A-17.5-120325-SIM

Tgt Ion: 84 Resp: 1751

Ion	Ratio	Lower	Upper
84	100		
86	63.2	44.4	82.5

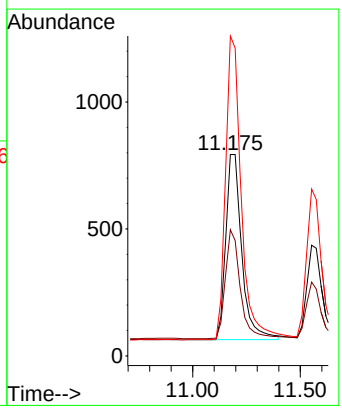




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.175 min Scan# 704
Delta R.T. 0.000 min
Lab File: VV039503.D
Acq: 09 Dec 2025 15:00

Tgt Ion:152 Resp: 3774

Ion	Ratio	Lower	Upper
152	100		
115	54.8	0.0	101.6
150	160.4	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039504.D
Acq On : 09 Dec 2025 15:21
Operator : SY/MD
Sample : Q3757-06
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 10 01:16:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-14B-46-120325-SIM

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7740	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	7407	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.175	152	3976	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3929m	0.517	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 104.000%			
4) 1,2-Dichloroethane-d4	4.993	65	2089	0.405	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 82.000%			
7) 1,2-Dichloropropane-d6	5.995	67	2395	0.383	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 76.000%			
8) Toluene-d8	7.253	98	4563	0.433	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 86.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1743	0.495	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 98.000%			
Target Compounds						Qvalue

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

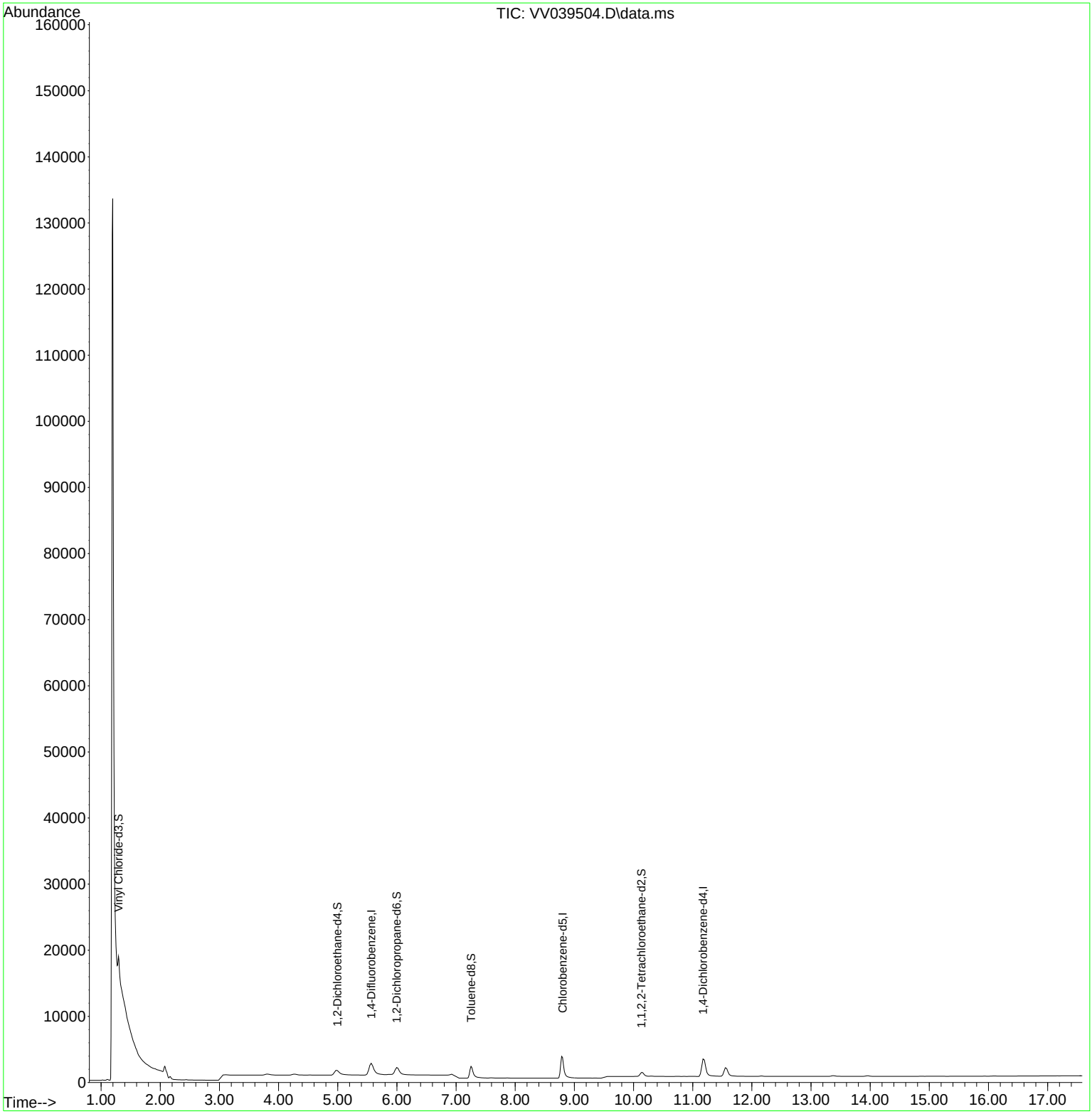
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039504.D
Acq On : 09 Dec 2025 15:21
Operator : SY/MD
Sample : Q3757-06
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

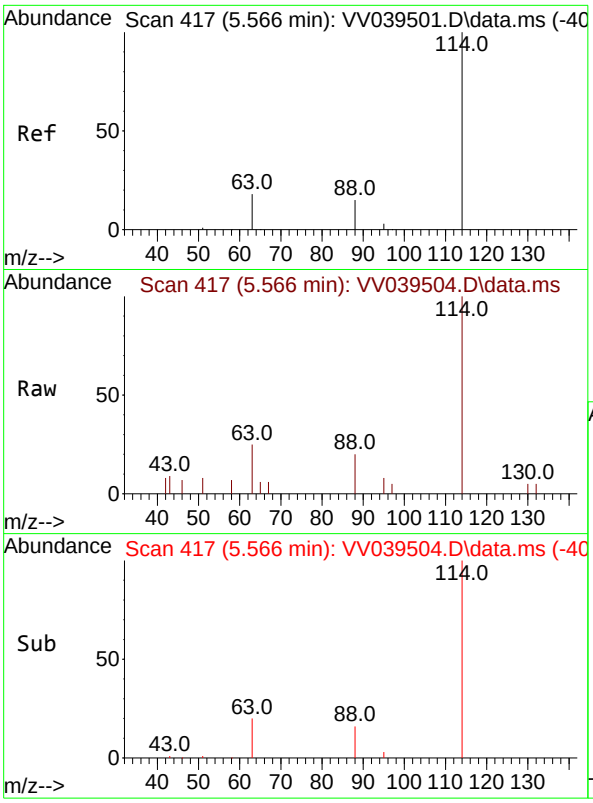
Quant Time: Dec 10 01:16:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-14B-46-120325-SIM

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

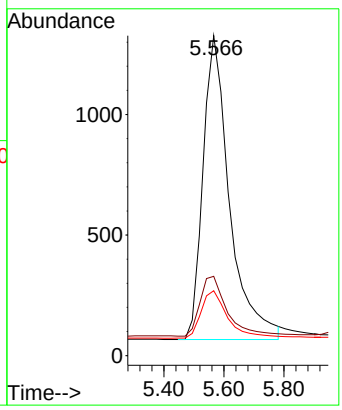




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 4
Delta R.T. -0.000 min
Lab File: VV039504.D
Acq: 09 Dec 2025 15:21

Tgt Ion:114 Resp: 774

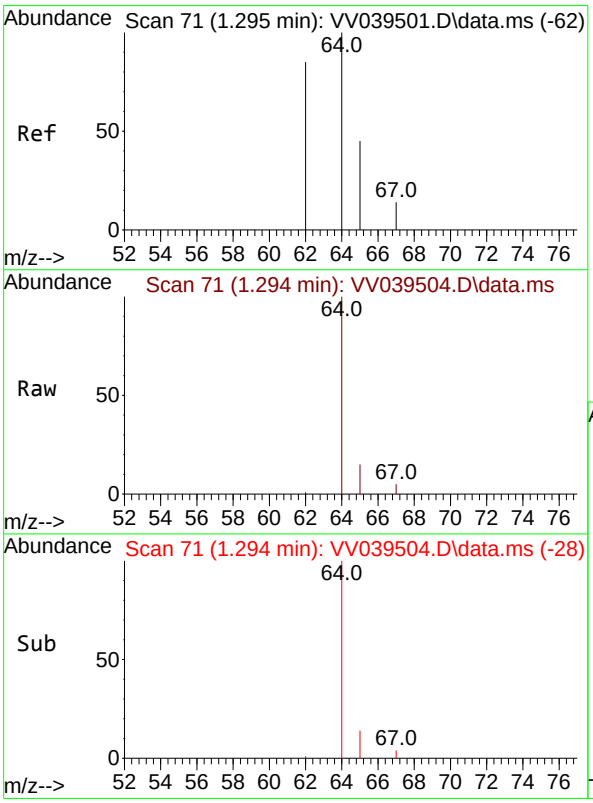
Ion	Ratio	Lower	Upper
114	100		
63	20.0	15.0	22.4
88	15.8	12.0	18.0



Instrument :
MSVOA_V
ClientSampleId :
MW-14B-46-120325-SIM

Manual Integrations
APPROVED

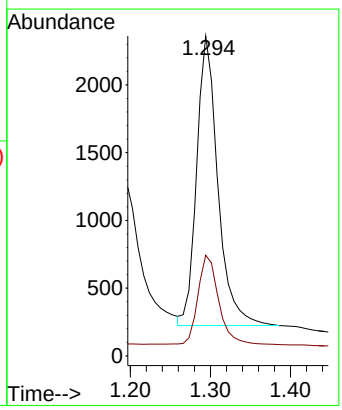
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

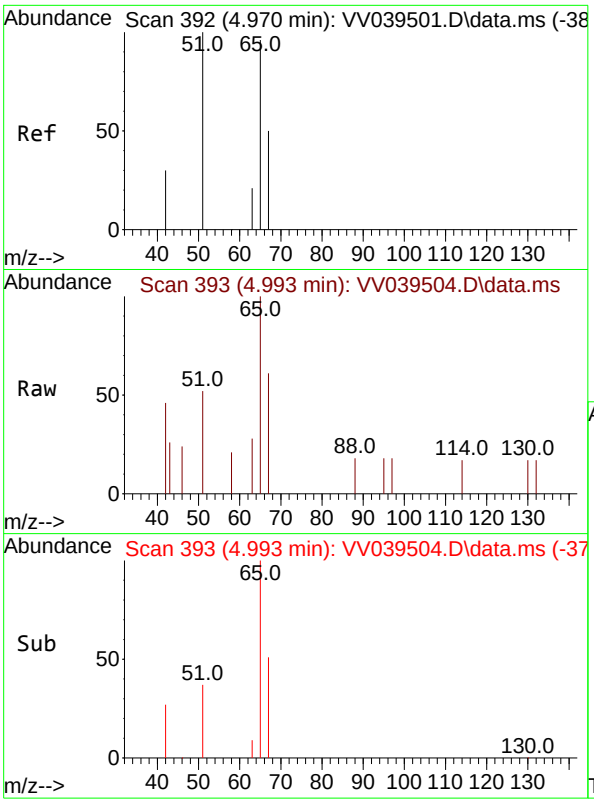


#2
Vinyl Chloride-d3
Concen: 0.517 ug/L m
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039504.D
Acq: 09 Dec 2025 15:21

Tgt Ion: 65 Resp: 3929

Ion	Ratio	Lower	Upper
65	100		
67	32.7	22.3	41.5

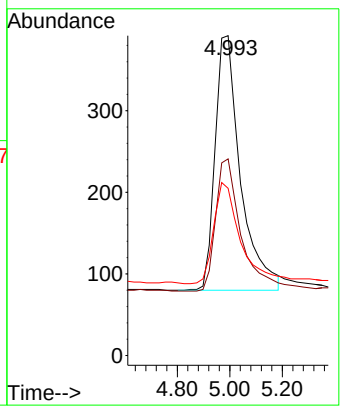




#4
1,2-Dichloroethane-d4
Concen: 0.405 ug/L
RT: 4.993 min Scan# 3
Delta R.T. 0.024 min
Lab File: VV039504.D
Acq: 09 Dec 2025 15:21

Tgt Ion: 65 Resp: 208

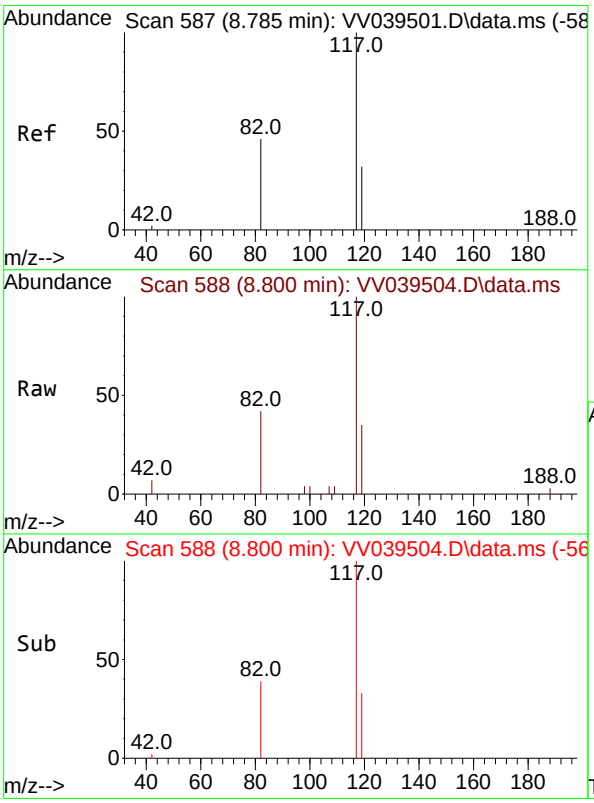
Ion	Ratio	Lower	Upper
65	100		
67	51.8	32.5	60.3
51	41.5	121.4	225.6#



Instrument :
MSVOA_V
ClientSampleId :
MW-14B-46-120325-SIM

Manual Integrations
APPROVED

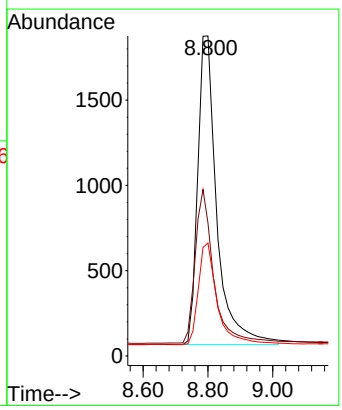
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

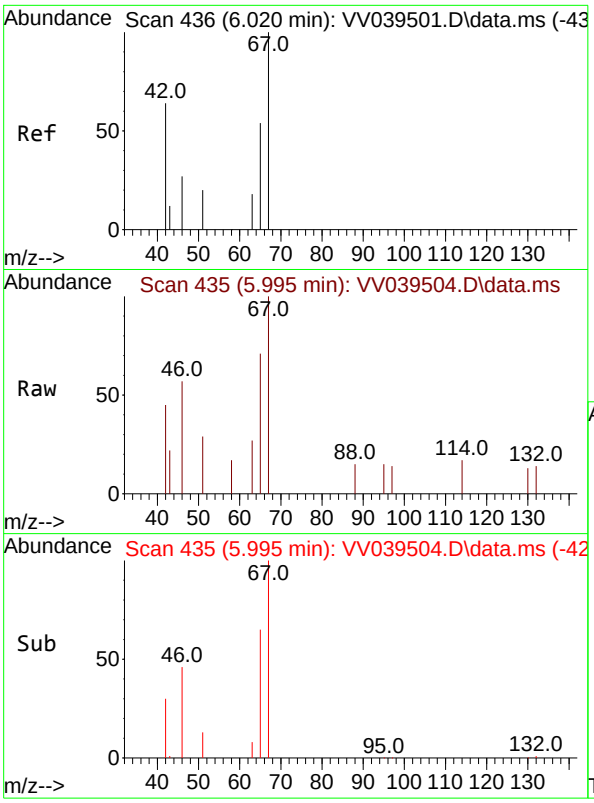


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039504.D
Acq: 09 Dec 2025 15:21

Tgt Ion:117 Resp: 7407

Ion	Ratio	Lower	Upper
117	100		
82	48.5	39.4	59.2
119	32.3	26.2	39.2

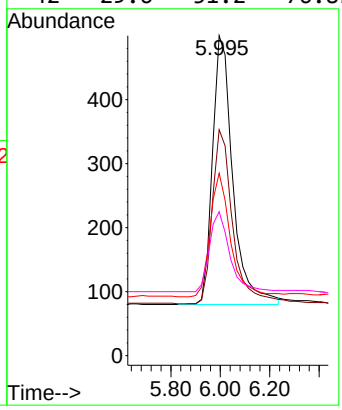




#7
1,2-Dichloropropane-d6
Concen: 0.383 ug/L
RT: 5.995 min Scan# 4
Delta R.T. -0.024 min
Lab File: VV039504.D
Acq: 09 Dec 2025 15:21

Tgt Ion: 67 Resp: 239

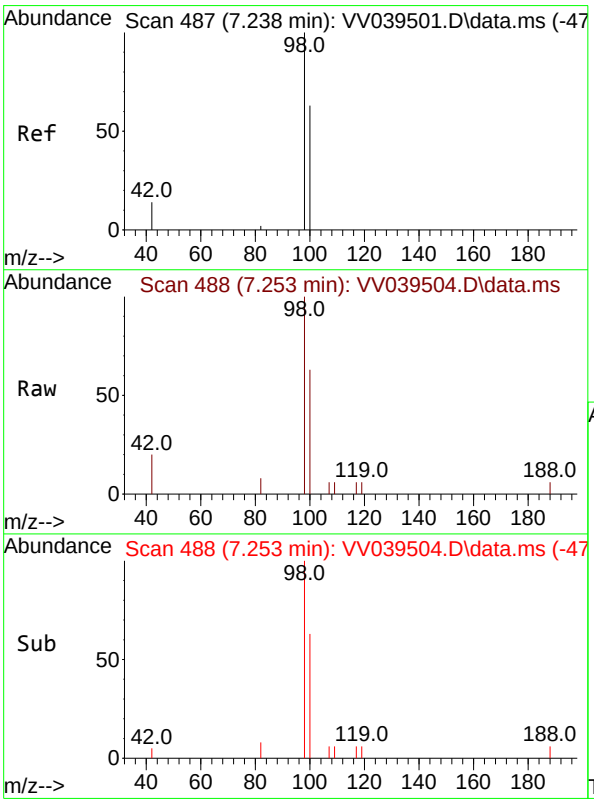
Ion	Ratio	Lower	Upper
67	100		
65	65.0	37.9	56.9#
46	46.3	27.4	41.0#
42	29.6	51.2	76.8#



Instrument :
MSVOA_V
ClientSampleId :
MW-14B-46-120325-SIM

Manual Integrations APPROVED

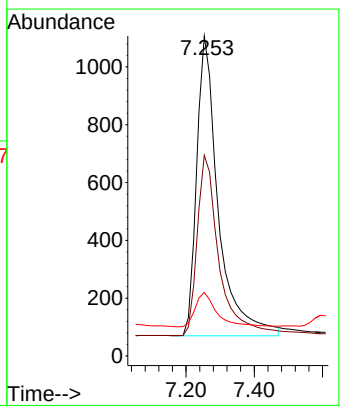
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

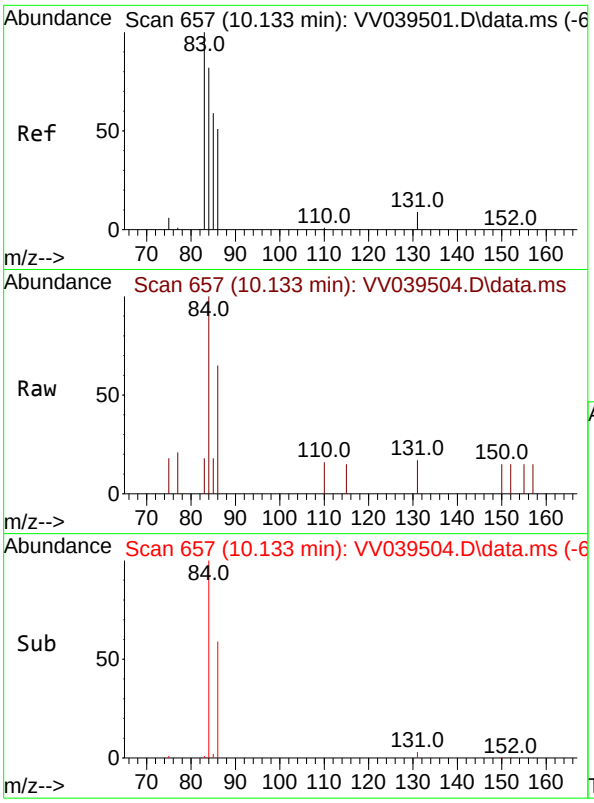


#8
Toluene-d8
Concen: 0.433 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039504.D
Acq: 09 Dec 2025 15:21

Tgt Ion: 98 Resp: 4563

Ion	Ratio	Lower	Upper
98	100		
100	60.5	44.5	82.7
42	11.4	10.1	18.7





#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.495 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039504.D
Acq: 09 Dec 2025 15:21

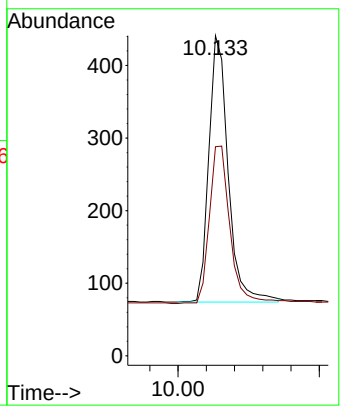
Tgt Ion: 84 Resp: 174

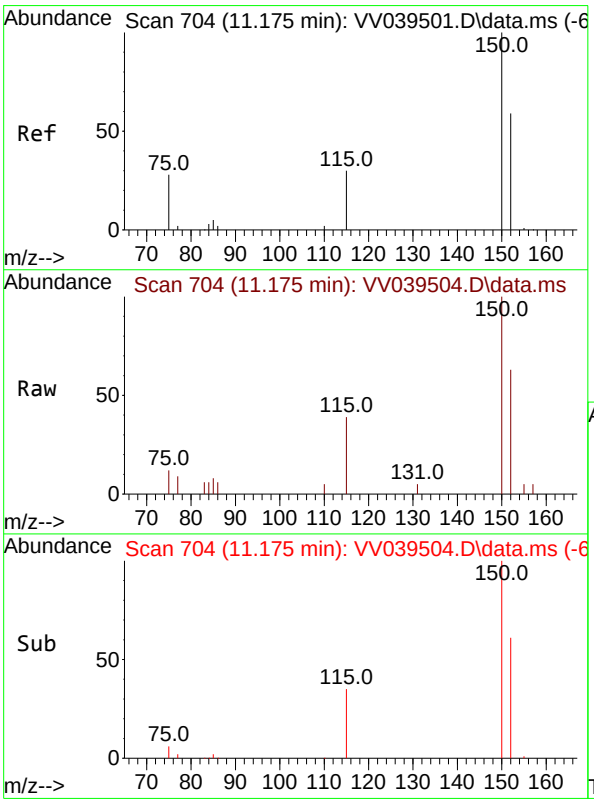
Ion	Ratio	Lower	Upper
84	100		
86	62.8	44.4	82.5

Instrument :
MSVOA_V
ClientSampleId :
MW-14B-46-120325-SIM

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

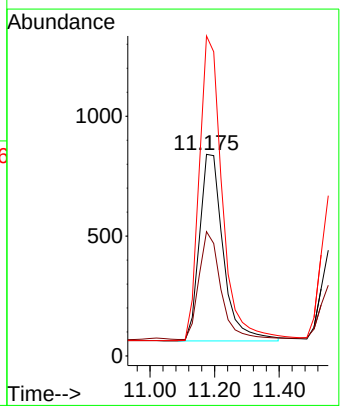




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.175 min Scan# 704
Delta R.T. -0.000 min
Lab File: VV039504.D
Acq: 09 Dec 2025 15:21

Tgt Ion:152 Resp: 3976

Ion	Ratio	Lower	Upper
152	100		
115	53.3	0.0	101.6
150	157.3	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120525\
Data File : VV039477.D
Acq On : 05 Dec 2025 14:16
Operator : SY/MD
Sample : Q3757-08
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
RMW-05B-90.5-120325-SIM

Quant Time: Dec 05 22:48:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 04 00:58:46 2025
Response via : Initial Calibration

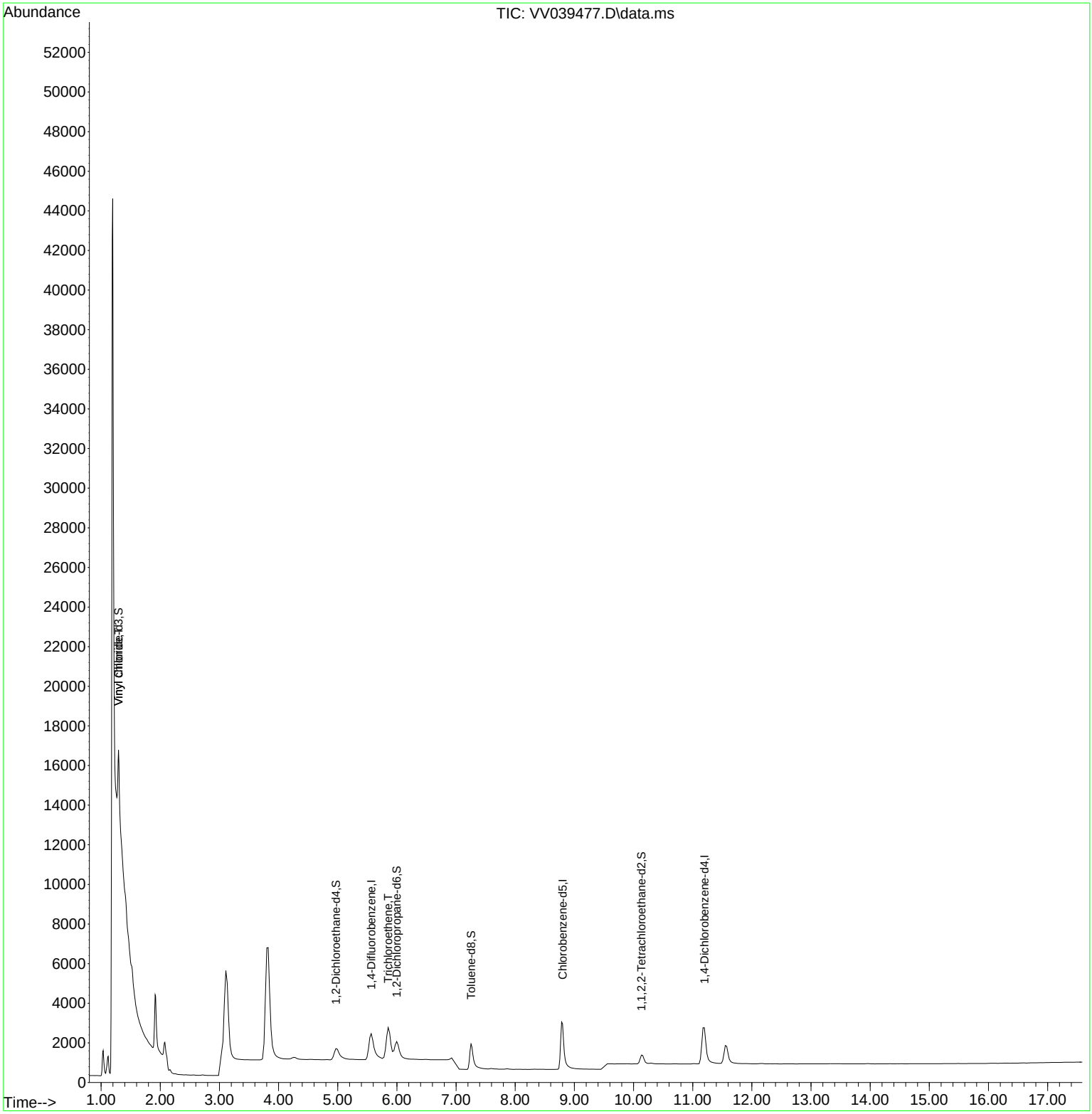
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6011	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5568	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	2844	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3092	0.512	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 102.000%			
4) 1,2-Dichloroethane-d4	4.969	65	1638	0.409	ug/L	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 82.000%			
7) 1,2-Dichloropropane-d6	5.995	67	1778	0.378	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 76.000%			
8) Toluene-d8	7.253	98	3360	0.424	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 84.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1359	0.513	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 102.000%			
Target Compounds						Qvalue
3) Vinyl chloride	1.294	62	1523	0.117	ug/L #	1
6) Trichloroethene	5.852	95	2319	0.336	ug/L	99

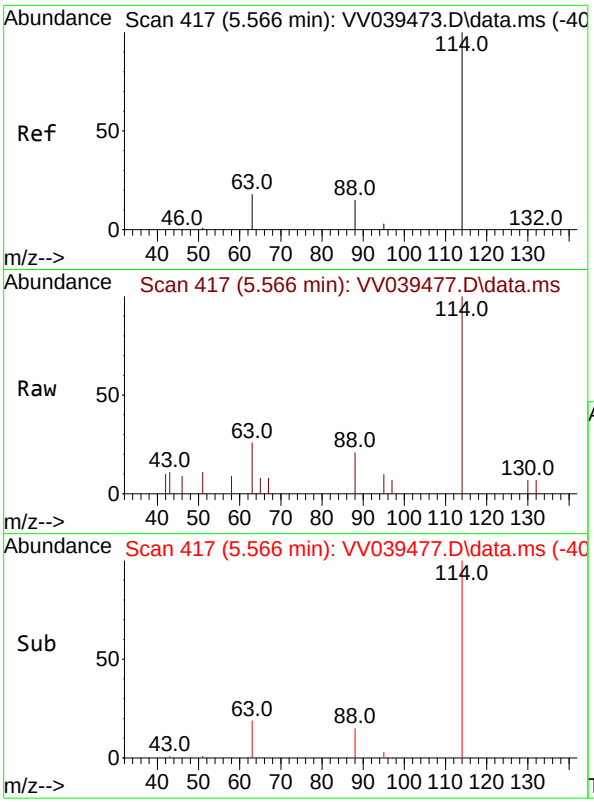
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120525\
Data File : VV039477.D
Acq On : 05 Dec 2025 14:16
Operator : SY/MD
Sample : Q3757-08
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
RMW-05B-90.5-120325-SIM

Quant Time: Dec 05 22:48:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 04 00:58:46 2025
Response via : Initial Calibration



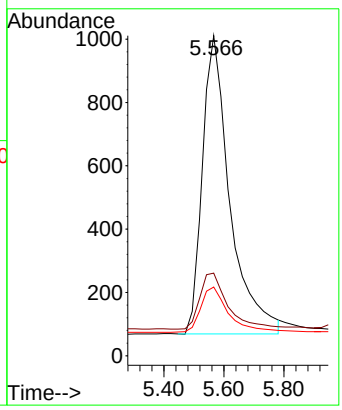


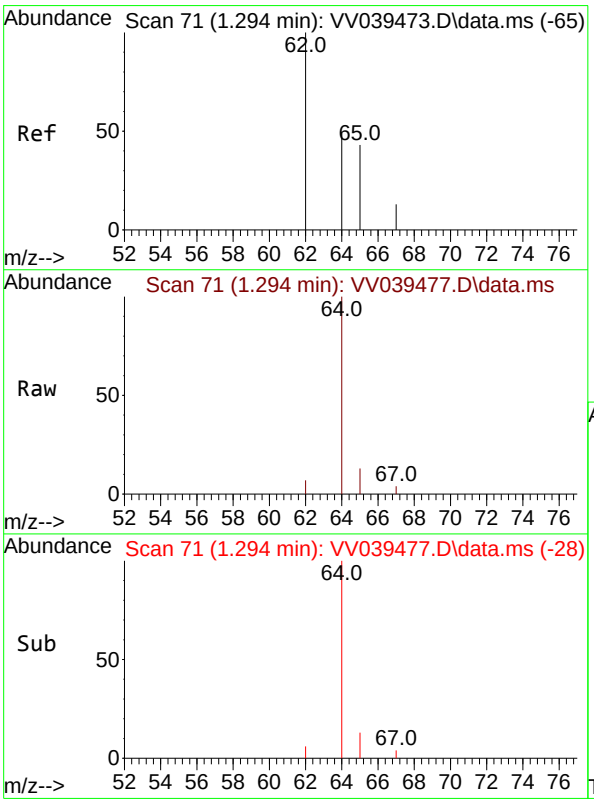
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV039477.D
Acq: 05 Dec 2025 14:16

Instrument :
MSVOA_V
ClientSampleId :
RMW-05B-90.5-120325-SIM

Tgt Ion:114 Resp: 6011

Ion	Ratio	Lower	Upper
114	100		
63	19.2	15.0	22.4
88	15.2	12.0	18.0

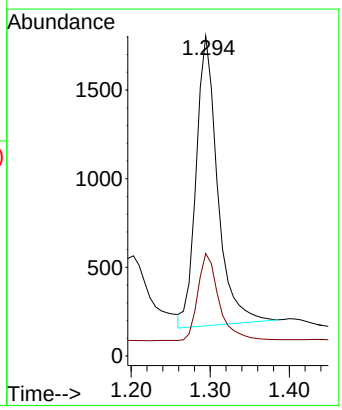


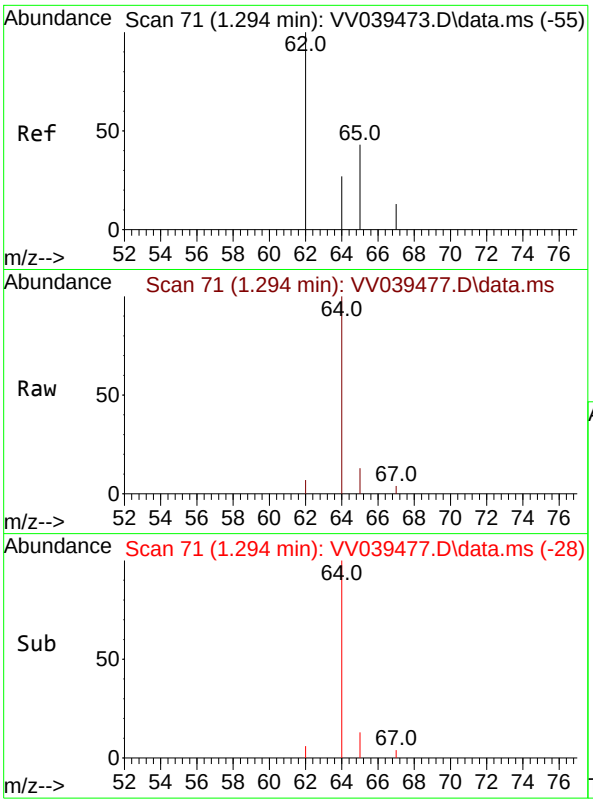


#2
Vinyl Chloride-d3
Concen: 0.512 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039477.D
Acq: 05 Dec 2025 14:16

Tgt Ion: 65 Resp: 3092

Ion	Ratio	Lower	Upper
65	100		
67	30.3	22.3	41.5



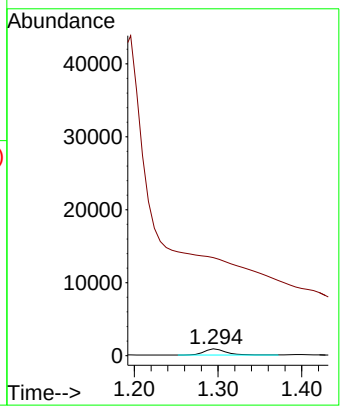


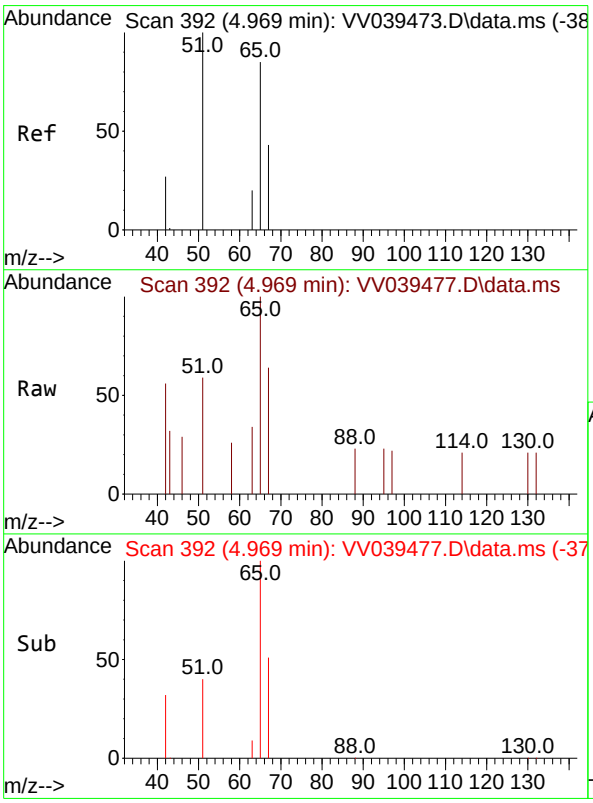
#3
Vinyl chloride
Concen: 0.117 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039477.D
Acq: 05 Dec 2025 14:16

Instrument :
MSVOA_V
ClientSampleId :
RMW-05B-90.5-120325-SIM

Tgt Ion: 62 Resp: 1523

Ion	Ratio	Lower	Upper
62	100		
64	1425.0	24.8	46.0#

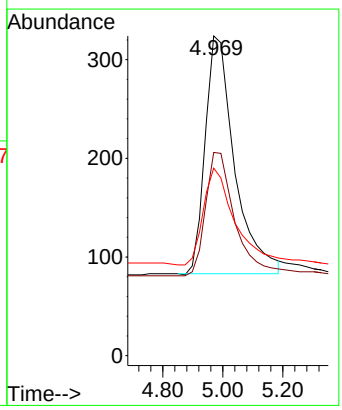


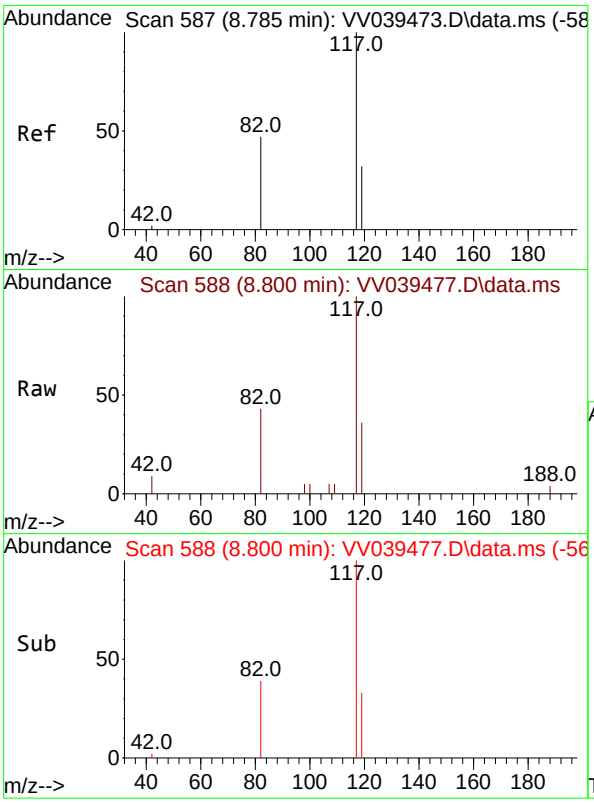


#4
1,2-Dichloroethane-d4
Concen: 0.409 ug/L
RT: 4.969 min Scan# 392
Delta R.T. 0.000 min
Lab File: VV039477.D
Acq: 05 Dec 2025 14:16

Tgt Ion: 65 Resp: 1638

Ion	Ratio	Lower	Upper
65	100		
67	51.6	32.5	60.3
51	43.5	121.4	225.6#



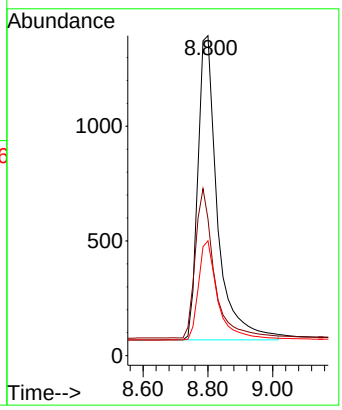


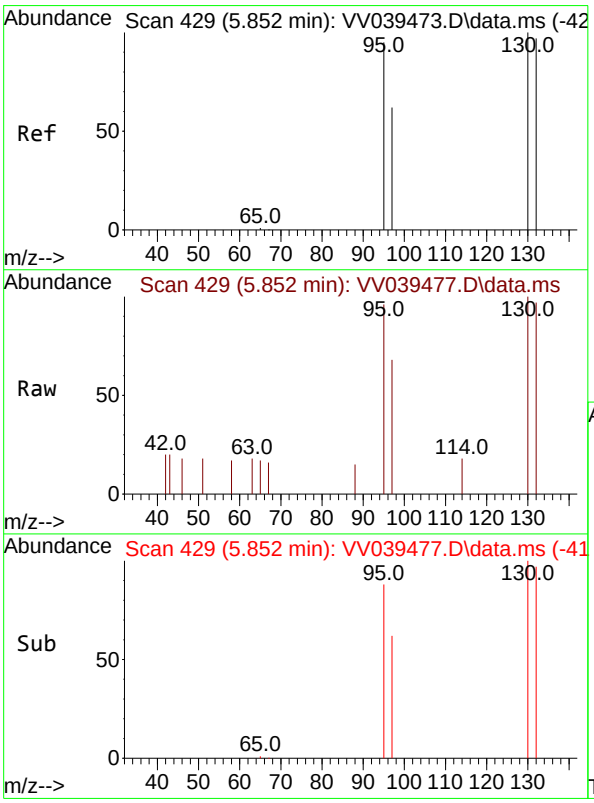
#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 5
Delta R.T. 0.015 min
Lab File: VV039477.D
Acq: 05 Dec 2025 14:16

Instrument :
MSVOA_V
ClientSampleId :
RMW-05B-90.5-120325-SIM

Tgt Ion:117 Resp: 5568

Ion	Ratio	Lower	Upper
117	100		
82	47.6	39.4	59.2
119	32.6	26.2	39.2

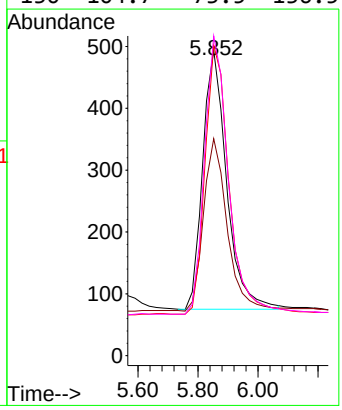


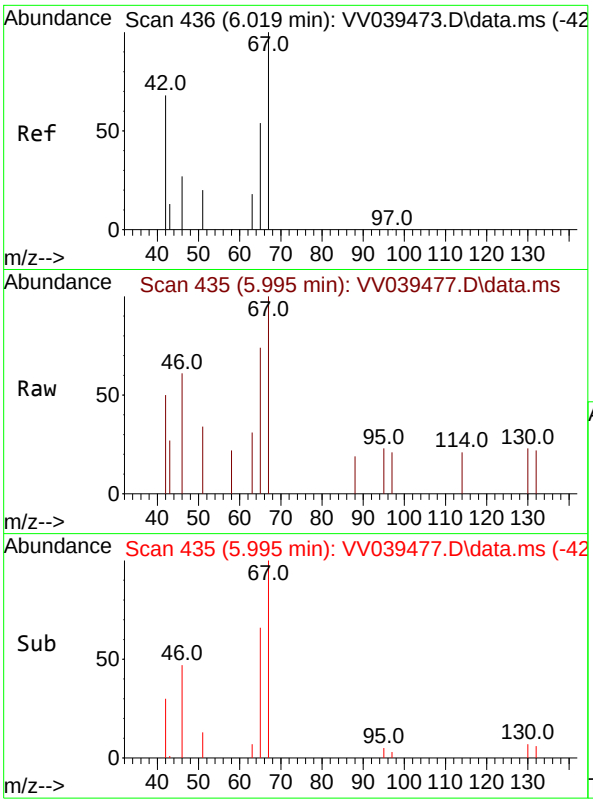


#6
Trichloroethene
Concen: 0.336 ug/L
RT: 5.852 min Scan# 429
Delta R.T. 0.000 min
Lab File: VV039477.D
Acq: 05 Dec 2025 14:16

Tgt Ion: 95 Resp: 2319

Ion	Ratio	Lower	Upper
95	100		
97	71.1	47.7	88.7
132	101.6	70.8	131.4
130	104.7	73.5	136.5



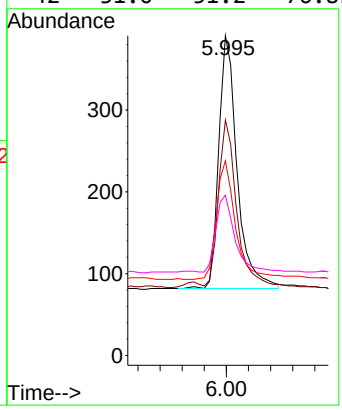


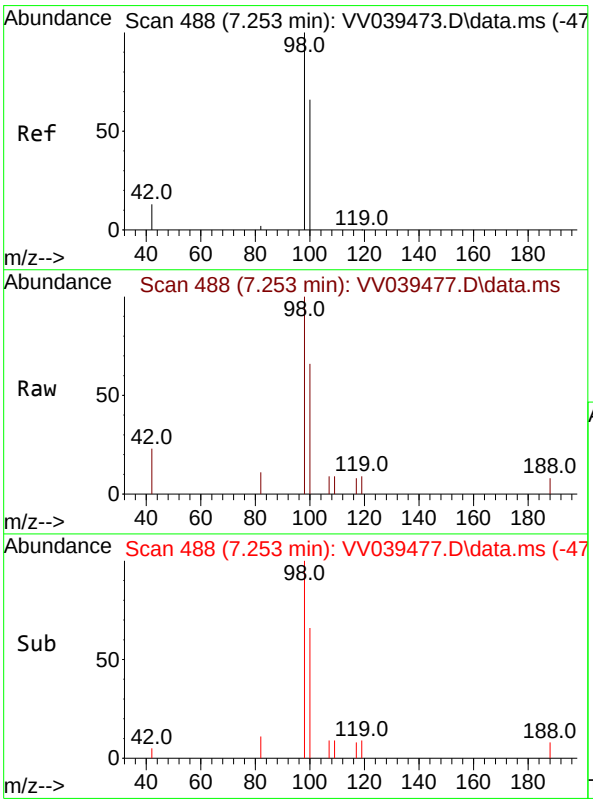
#7
1,2-Dichloropropane-d6
Concen: 0.378 ug/L
RT: 5.995 min Scan# 4
Delta R.T. -0.024 min
Lab File: VV039477.D
Acq: 05 Dec 2025 14:16

Instrument :
MSVOA_V
ClientSampleId :
RMW-05B-90.5-120325-SIM

Tgt Ion: 67 Resp: 1778

Ion	Ratio	Lower	Upper
67	100		
65	64.1	37.9	56.9#
46	48.4	27.4	41.0#
42	31.0	51.2	76.8#

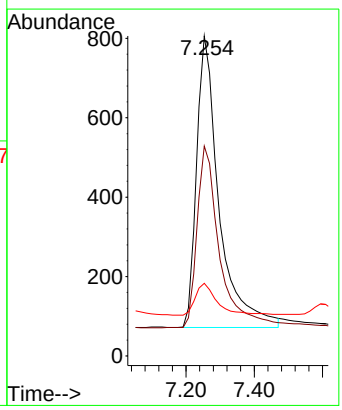


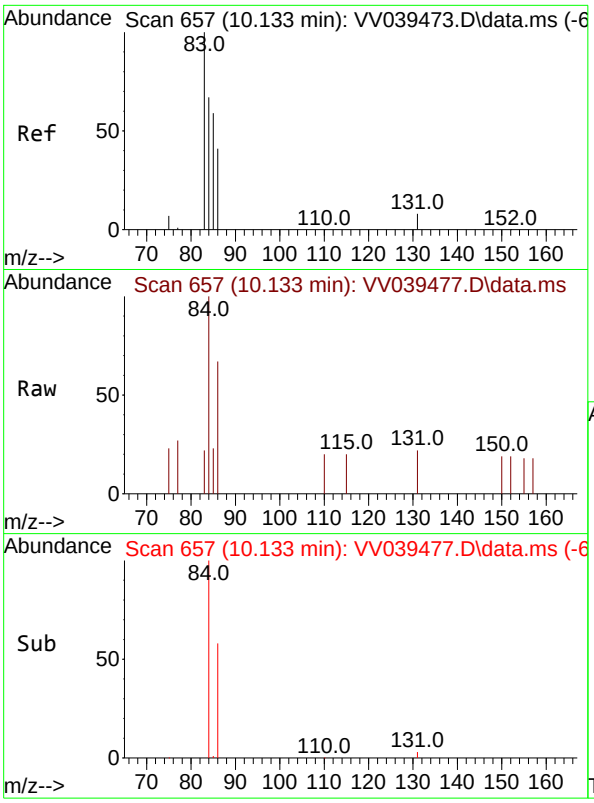


#8
Toluene-d8
Concen: 0.424 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039477.D
Acq: 05 Dec 2025 14:16

Tgt Ion: 98 Resp: 3360

Ion	Ratio	Lower	Upper
98	100		
100	61.9	44.5	82.7
42	10.6	10.1	18.7



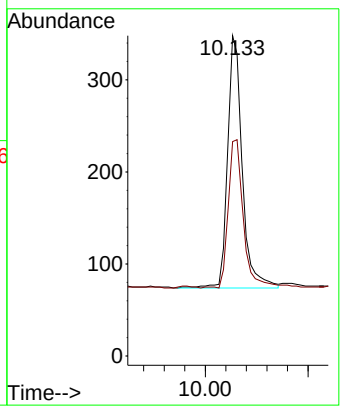


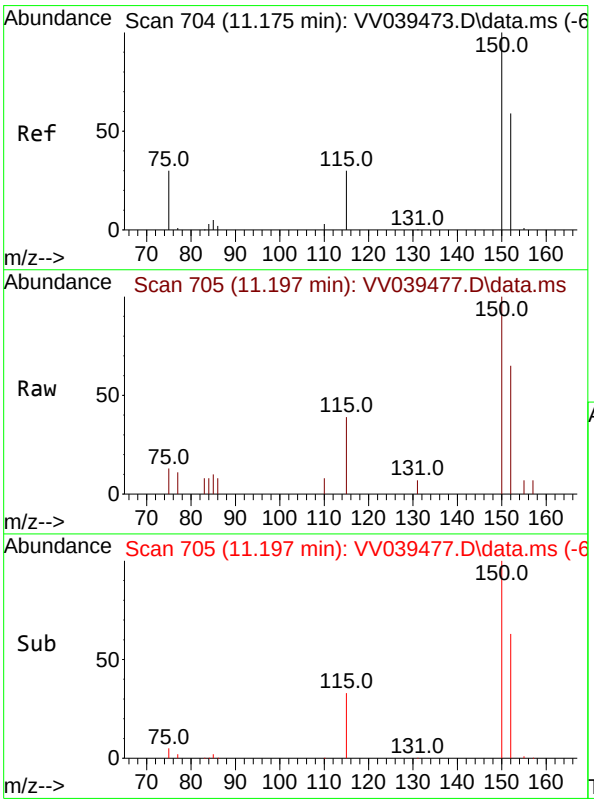
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.513 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039477.D
Acq: 05 Dec 2025 14:16

Instrument :
MSVOA_V
ClientSampleId :
RMW-05B-90.5-120325-SIM

Tgt Ion: 84 Resp: 1359

Ion	Ratio	Lower	Upper
84	100		
86	60.5	44.4	82.5

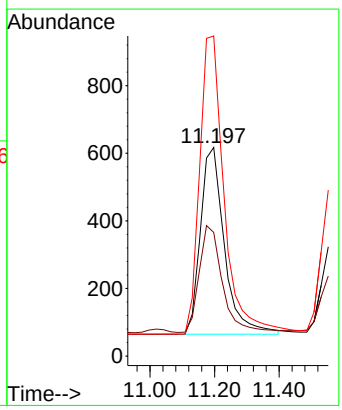




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039477.D
Acq: 05 Dec 2025 14:16

Tgt Ion:152 Resp: 2844

Ion	Ratio	Lower	Upper
152	100		
115	55.2	0.0	101.6
150	162.3	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120525\
Data File : VV039481.D
Acq On : 05 Dec 2025 15:47
Operator : SY/MD
Sample : Q3757-10
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OW-05B-72-120325-SIM

Quant Time: Dec 05 22:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 04 00:58:46 2025
Response via : Initial Calibration

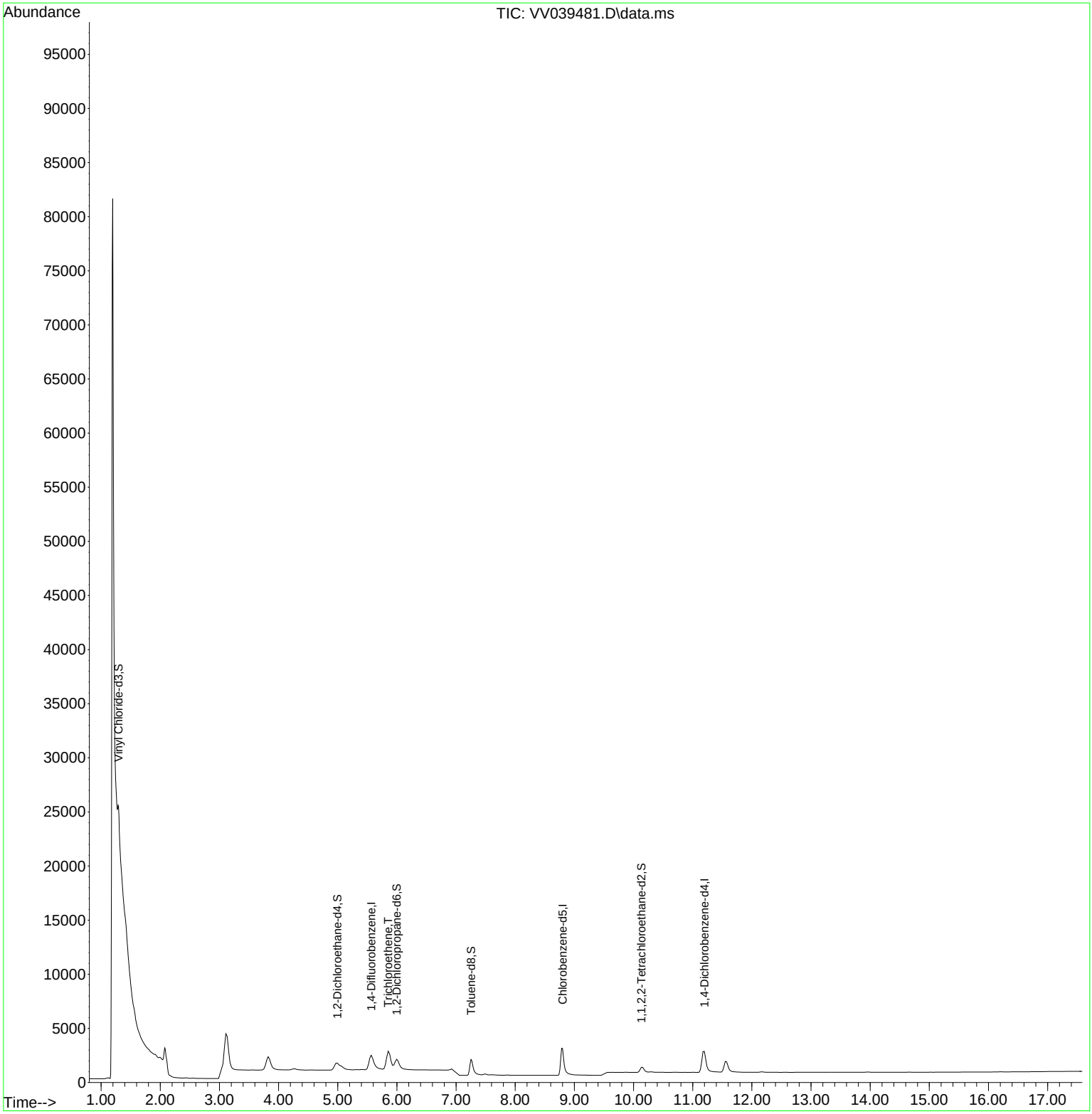
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6092	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5835	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3054	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3469	0.566	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 114.000%			
4) 1,2-Dichloroethane-d4	4.993	65	1934	0.477	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 96.000%			
7) 1,2-Dichloropropane-d6	5.995	67	1928	0.392	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 78.000%			
8) Toluene-d8	7.253	98	3680	0.443	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 88.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1408	0.507	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 102.000%			
Target Compounds						Qvalue
6) Trichloroethene	5.852	95	2498	0.345	ug/L	98

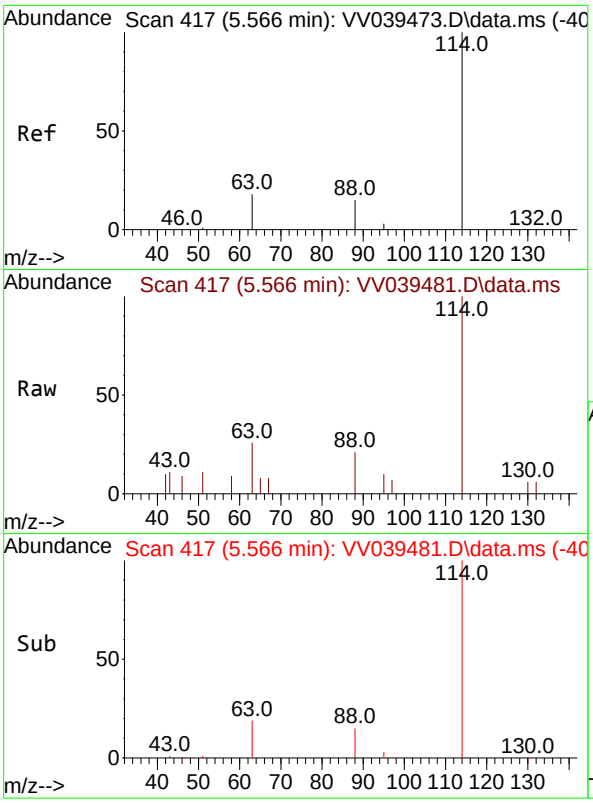
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120525\
Data File : VV039481.D
Acq On : 05 Dec 2025 15:47
Operator : SY/MD
Sample : Q3757-10
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OW-05B-72-120325-SIM

Quant Time: Dec 05 22:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 04 00:58:46 2025
Response via : Initial Calibration



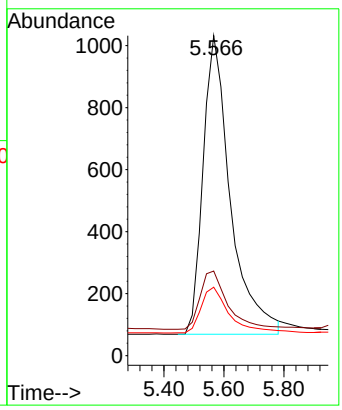


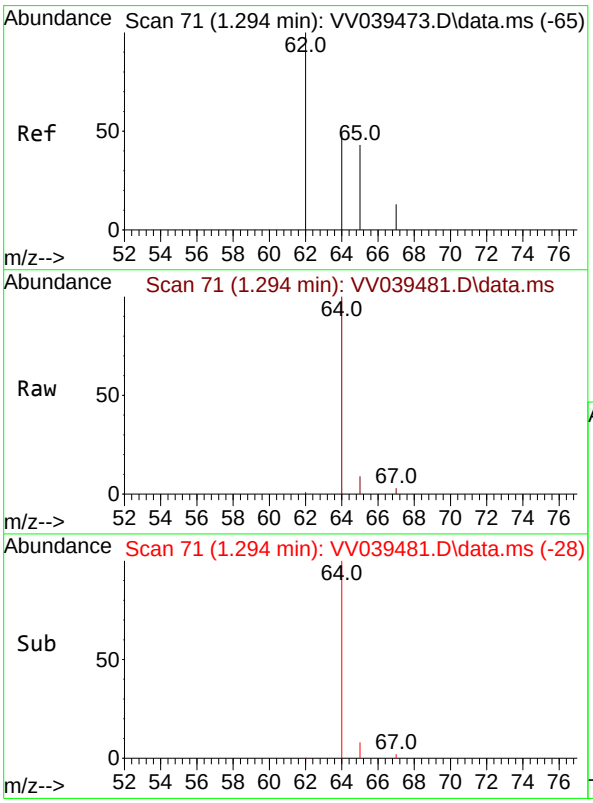
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV039481.D
Acq: 05 Dec 2025 15:47

Instrument :
MSVOA_V
ClientSampleId :
OW-05B-72-120325-SIM

Tgt Ion:114 Resp: 6092

Ion	Ratio	Lower	Upper
114	100		
63	19.7	15.0	22.4
88	15.7	12.0	18.0

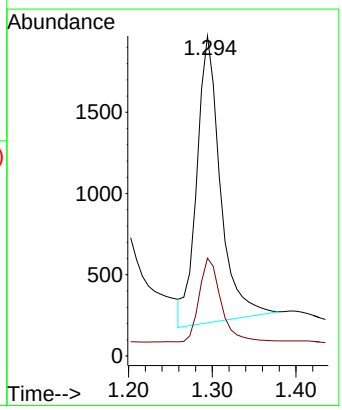


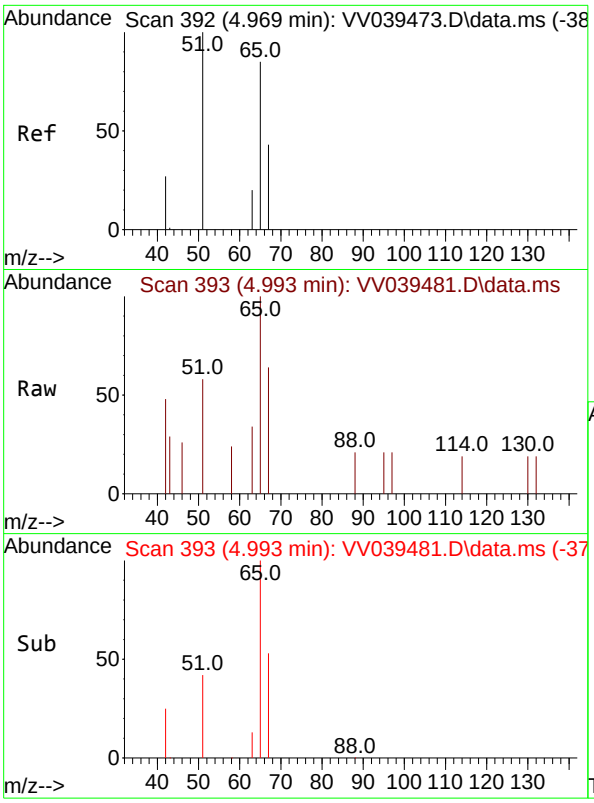


#2
Vinyl Chloride-d3
Concen: 0.566 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039481.D
Acq: 05 Dec 2025 15:47

Tgt Ion: 65 Resp: 3469

Ion	Ratio	Lower	Upper
65	100		
67	27.2	22.3	41.5



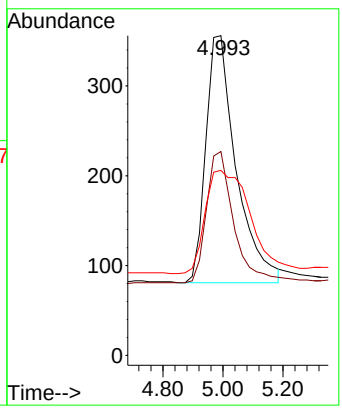


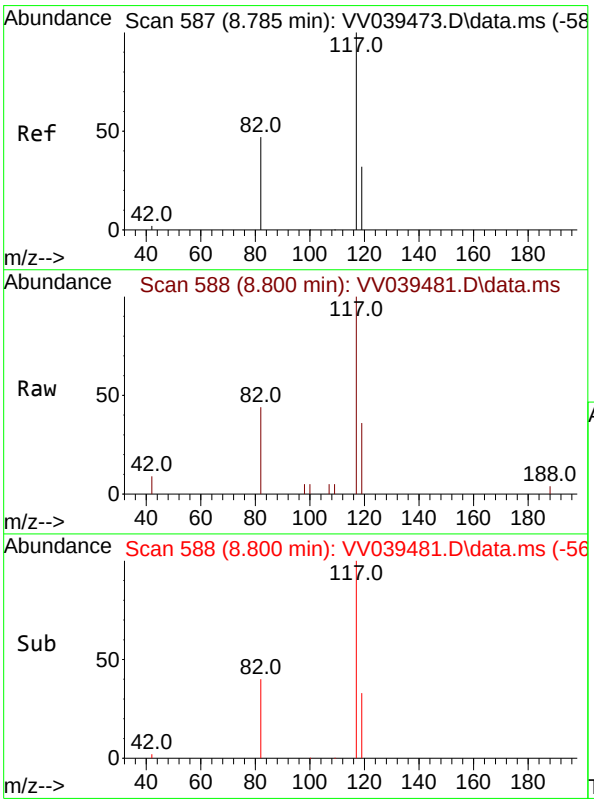
#4
1,2-Dichloroethane-d4
Concen: 0.477 ug/L
RT: 4.993 min Scan# 3
Delta R.T. 0.024 min
Lab File: VV039481.D
Acq: 05 Dec 2025 15:47

Instrument :
MSVOA_V
ClientSampleId :
OW-05B-72-120325-SIM

Tgt Ion: 65 Resp: 1934

Ion	Ratio	Lower	Upper
65	100		
67	47.2	32.5	60.3
51	60.9	121.4	225.6#

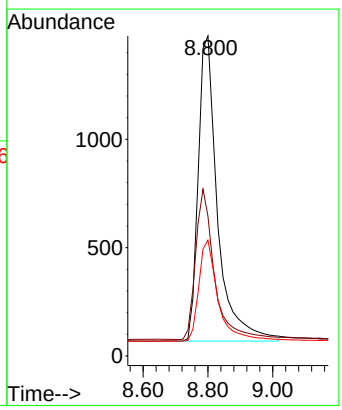


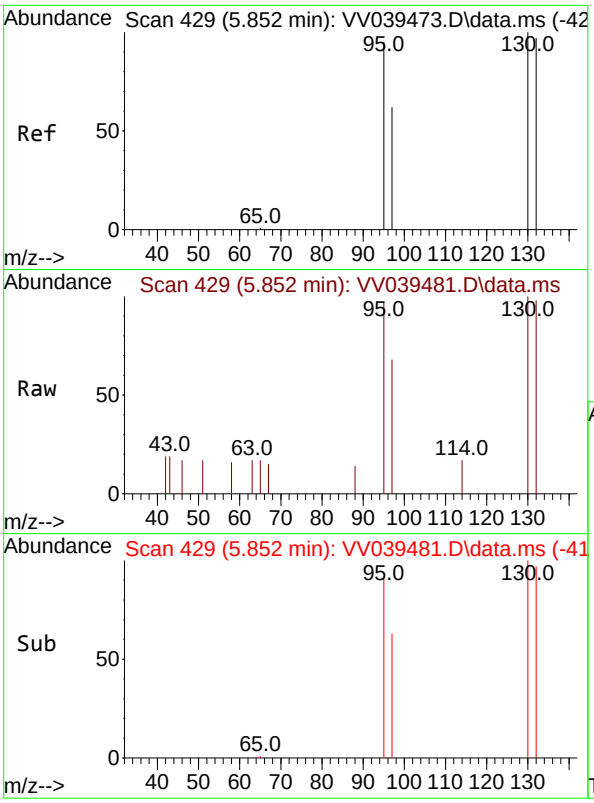


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039481.D
Acq: 05 Dec 2025 15:47

Tgt Ion:117 Resp: 5835

Ion	Ratio	Lower	Upper
117	100		
82	48.3	39.4	59.2
119	33.2	26.2	39.2



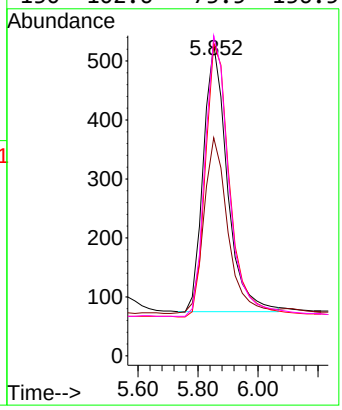


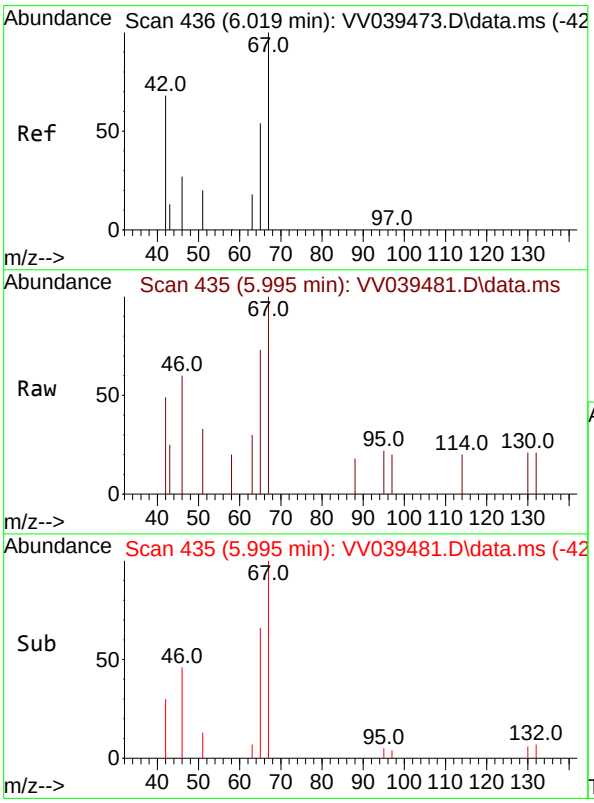
#6
Trichloroethene
Concen: 0.345 ug/L
RT: 5.852 min Scan# 4
Delta R.T. -0.000 min
Lab File: VV039481.D
Acq: 05 Dec 2025 15:47

Instrument :
MSVOA_V
ClientSampleId :
OW-05B-72-120325-SIM

Tgt Ion: 95 Resp: 2498

Ion	Ratio	Lower	Upper
95	100		
97	69.9	47.7	88.7
132	100.2	70.8	131.4
130	102.6	73.5	136.5

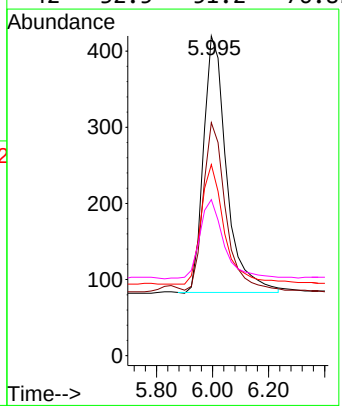


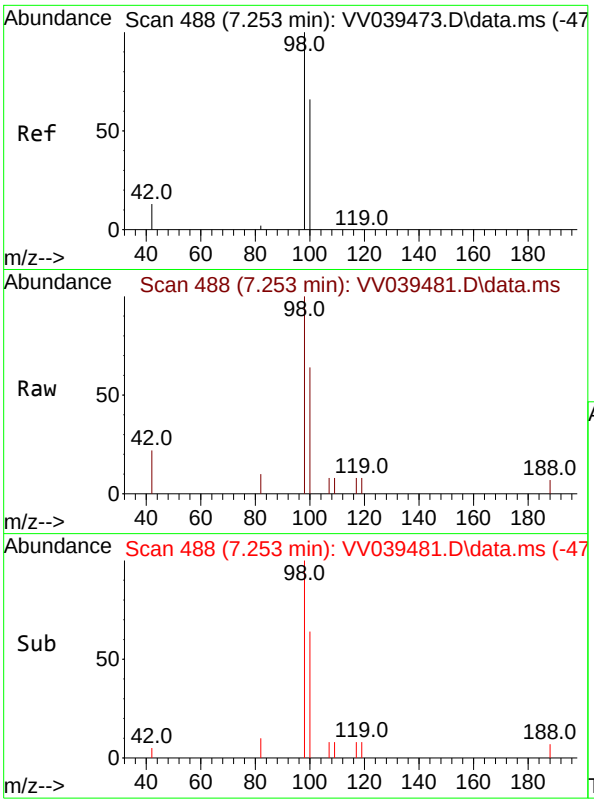


#7
1,2-Dichloropropane-d6
Concen: 0.392 ug/L
RT: 5.995 min Scan# 435
Delta R.T. -0.024 min
Lab File: VV039481.D
Acq: 05 Dec 2025 15:47

Tgt Ion: 67 Resp: 1928

Ion	Ratio	Lower	Upper
67	100		
65	63.5	37.9	56.9#
46	47.1	27.4	41.0#
42	32.5	51.2	76.8#



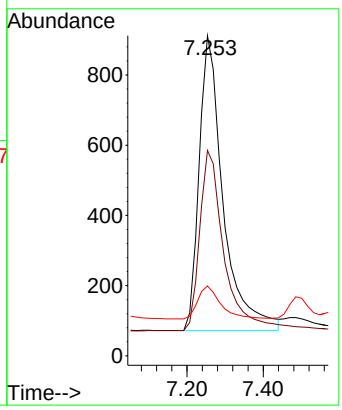


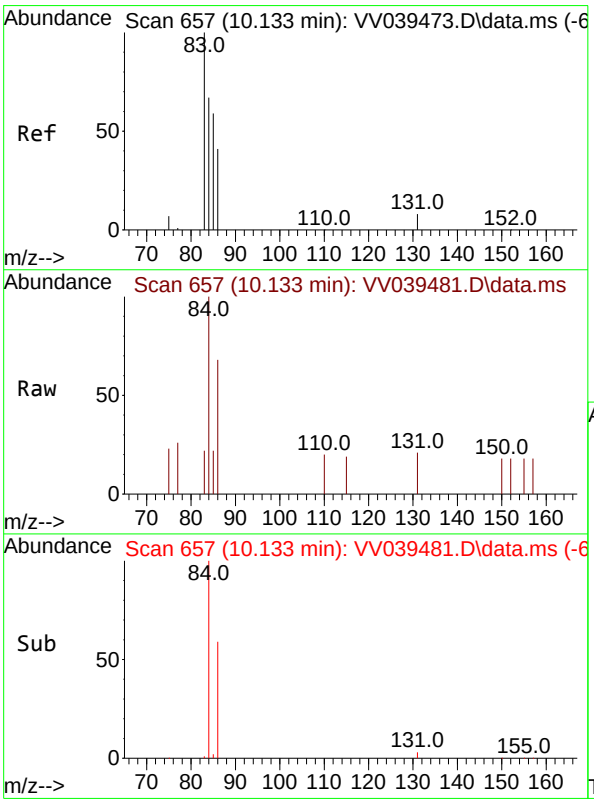
#8
Toluene-d8
Concen: 0.443 ug/L
RT: 7.253 min Scan# 4
Delta R.T. 0.015 min
Lab File: VV039481.D
Acq: 05 Dec 2025 15:47

Instrument :
MSVOA_V
ClientSampleId :
OW-05B-72-120325-SIM

Tgt Ion: 98 Resp: 3680

Ion	Ratio	Lower	Upper
98	100		
100	61.8	44.5	82.7
42	10.7	10.1	18.7

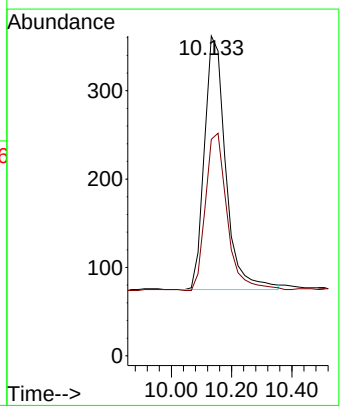


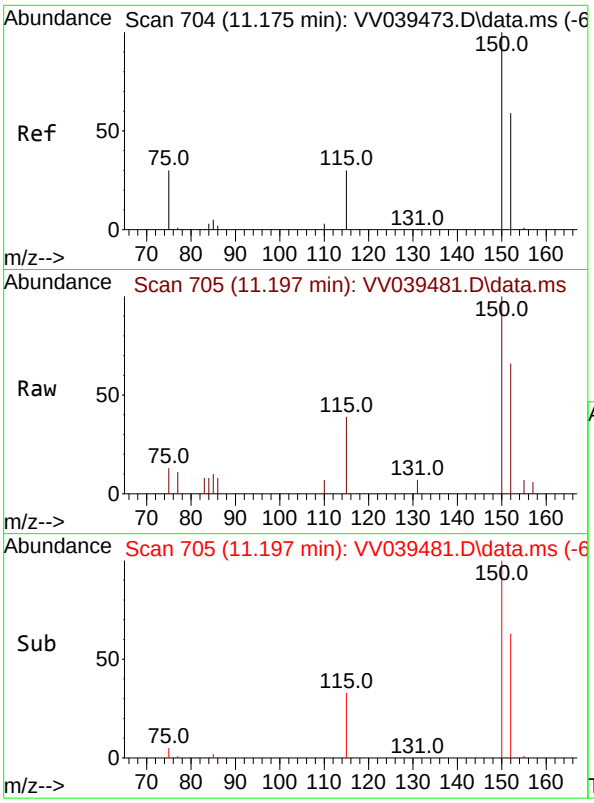


#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.507 ug/L
RT: 10.133 min Scan# 657
Delta R.T. -0.000 min
Lab File: VV039481.D
Acq: 05 Dec 2025 15:47

Tgt Ion: 84 Resp: 1408

Ion	Ratio	Lower	Upper
84	100		
86	63.4	44.4	82.5



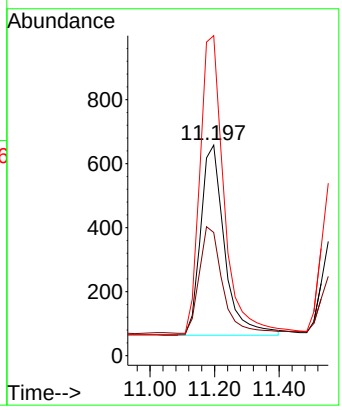


#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 7
Delta R.T. 0.022 min
Lab File: VV039481.D
Acq: 05 Dec 2025 15:47

Instrument :
MSVOA_V
ClientSampleId :
OW-05B-72-120325-SIM

Tgt Ion:152 Resp: 3054

Ion	Ratio	Lower	Upper
152	100		
115	54.3	0.0	101.6
150	157.9	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039505.D
Acq On : 09 Dec 2025 15:42
Operator : SY/MD
Sample : Q3757-11
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB01-120325

Quant Time: Dec 10 01:17:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

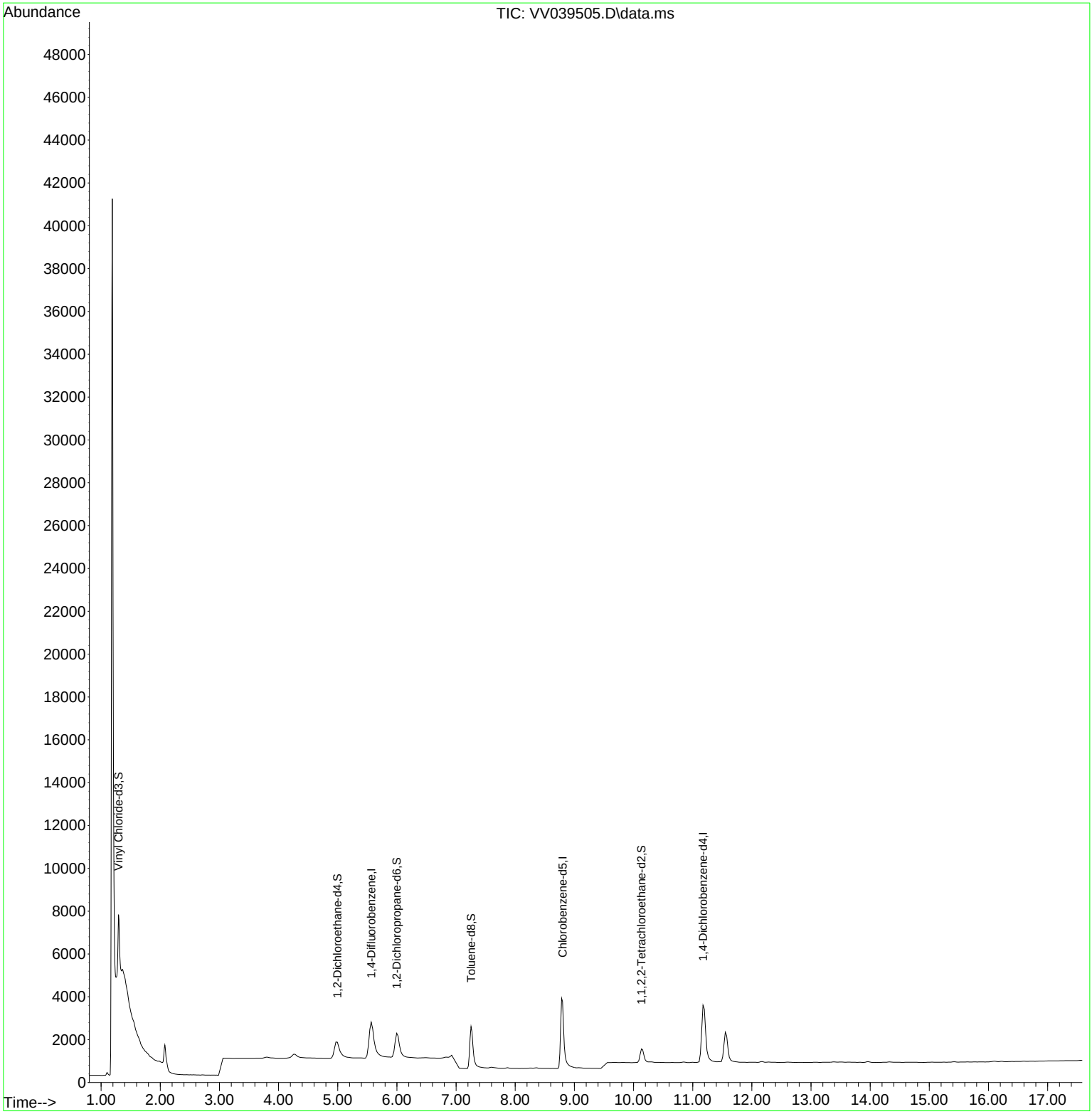
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7363	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	7248	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.175	152	3880	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	4131	0.571	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 114.000%			
4) 1,2-Dichloroethane-d4	4.993	65	2156	0.440	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 88.000%			
7) 1,2-Dichloropropane-d6	5.995	67	2490	0.407	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 82.000%			
8) Toluene-d8	7.253	98	4676	0.453	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 90.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1813	0.526	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 106.000%			
Target Compounds						Qvalue

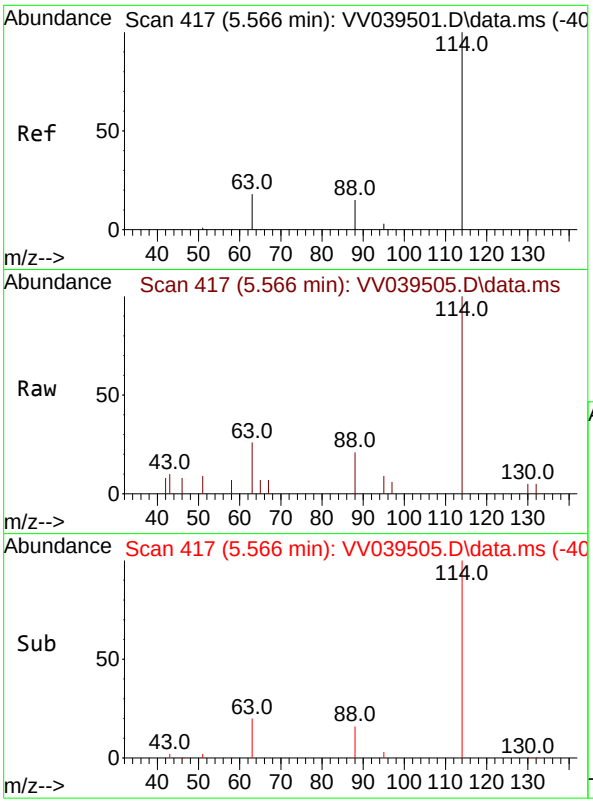
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039505.D
Acq On : 09 Dec 2025 15:42
Operator : SY/MD
Sample : Q3757-11
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB01-120325

Quant Time: Dec 10 01:17:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration



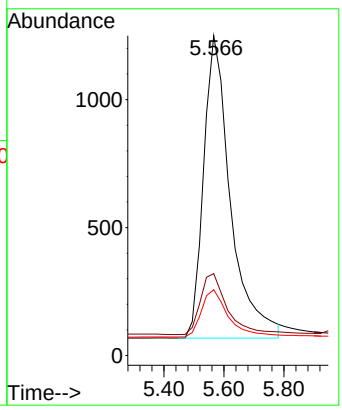


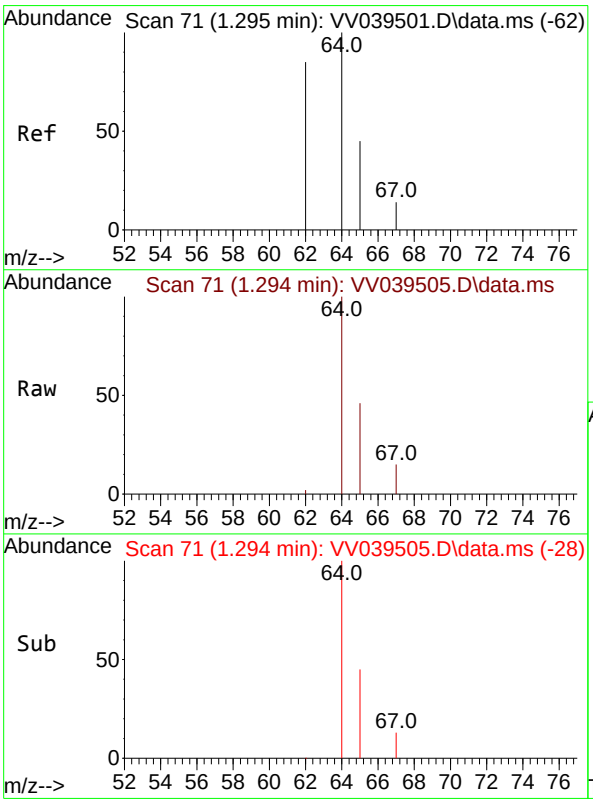
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV039505.D
Acq: 09 Dec 2025 15:42

Instrument :
MSVOA_V
ClientSampleId :
EB01-120325

Tgt Ion:114 Resp: 7363

Ion	Ratio	Lower	Upper
114	100		
63	20.2	15.0	22.4
88	15.9	12.0	18.0

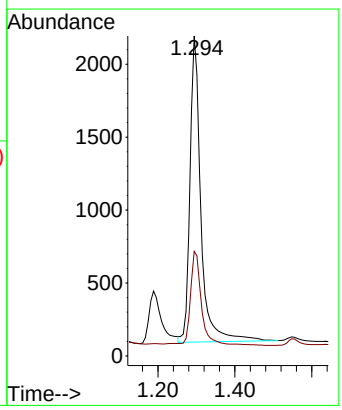


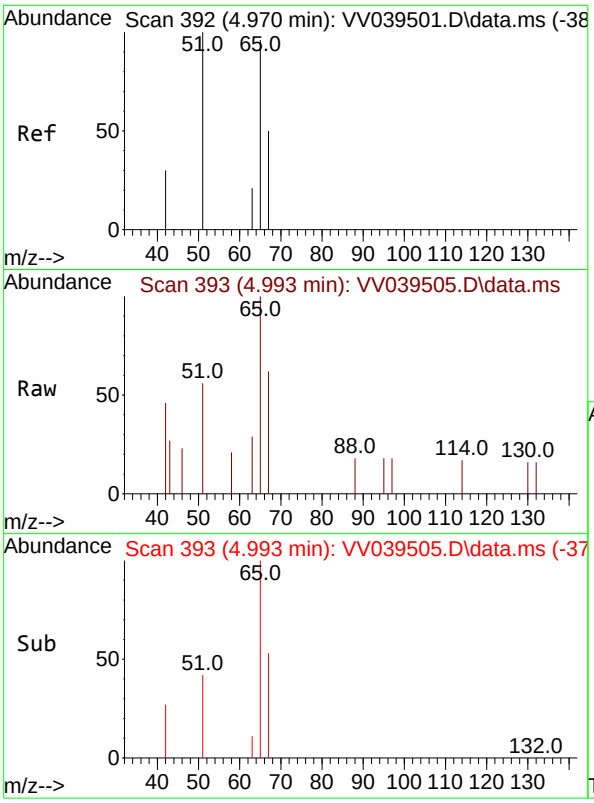


#2
Vinyl Chloride-d3
Concen: 0.571 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039505.D
Acq: 09 Dec 2025 15:42

Tgt Ion: 65 Resp: 4131

Ion	Ratio	Lower	Upper
65	100		
67	31.8	22.3	41.5



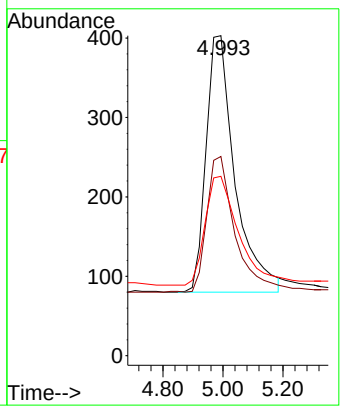


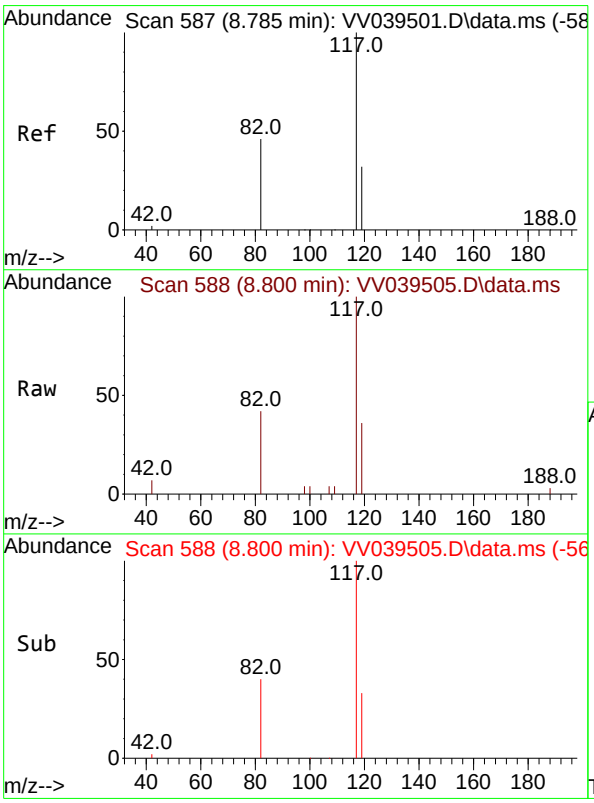
#4
1,2-Dichloroethane-d4
Concen: 0.440 ug/L
RT: 4.993 min Scan# 3
Delta R.T. 0.024 min
Lab File: VV039505.D
Acq: 09 Dec 2025 15:42

Instrument :
MSVOA_V
ClientSampleId :
EB01-120325

Tgt Ion: 65 Resp: 2156

Ion	Ratio	Lower	Upper
65	100		
67	51.6	32.5	60.3
51	48.7	121.4	225.6#

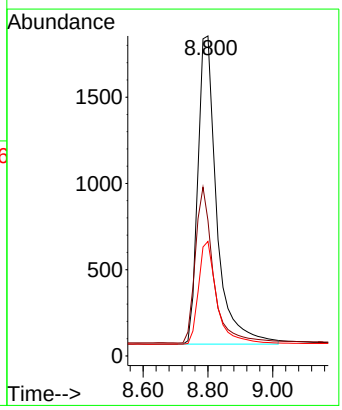


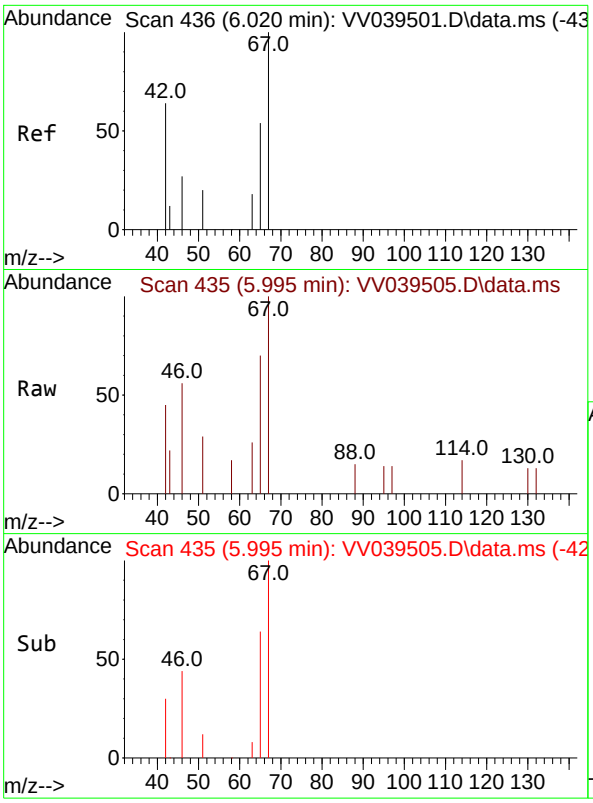


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039505.D
Acq: 09 Dec 2025 15:42

Tgt Ion:117 Resp: 7248

Ion	Ratio	Lower	Upper
117	100		
82	48.4	39.4	59.2
119	32.6	26.2	39.2



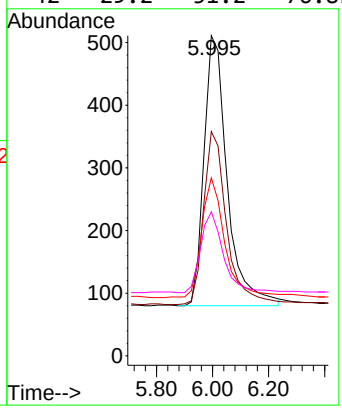


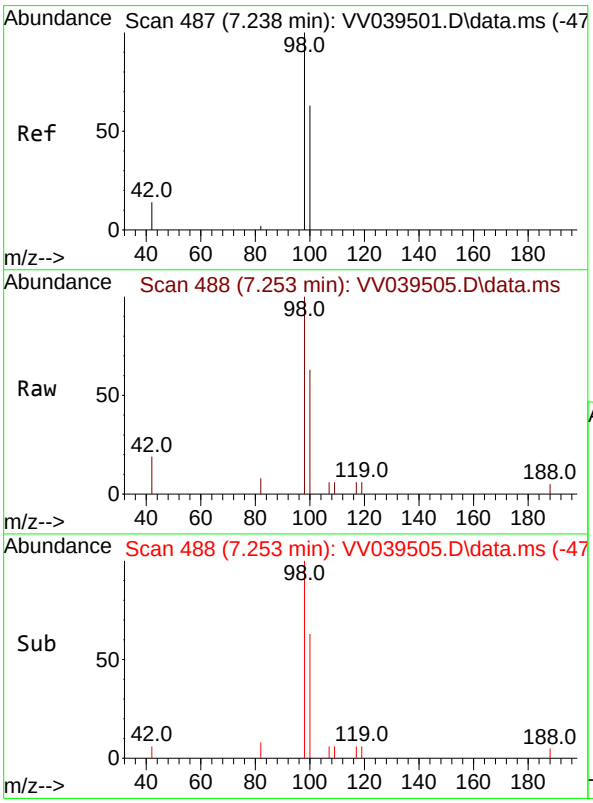
#7
1,2-Dichloropropane-d6
Concen: 0.407 ug/L
RT: 5.995 min Scan# 4
Delta R.T. -0.024 min
Lab File: VV039505.D
Acq: 09 Dec 2025 15:42

Instrument :
MSVOA_V
ClientSampleId :
EB01-120325

Tgt Ion: 67 Resp: 2490

Ion	Ratio	Lower	Upper
67	100		
65	63.0	37.9	56.9#
46	44.3	27.4	41.0#
42	29.2	51.2	76.8#

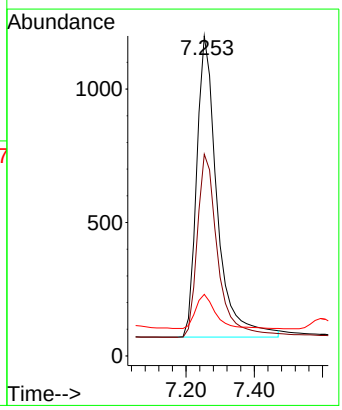


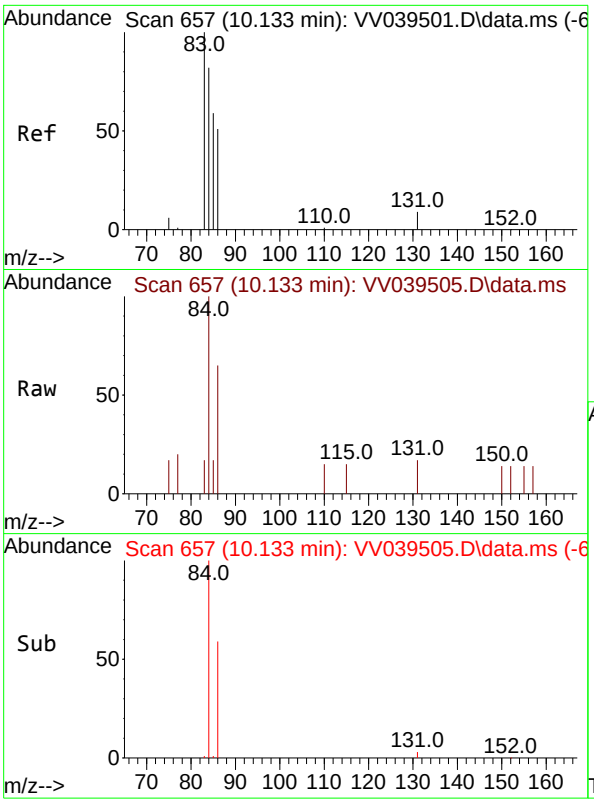


#8
Toluene-d8
Concen: 0.453 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039505.D
Acq: 09 Dec 2025 15:42

Tgt Ion: 98 Resp: 4676

Ion	Ratio	Lower	Upper
98	100		
100	61.2	44.5	82.7
42	10.9	10.1	18.7



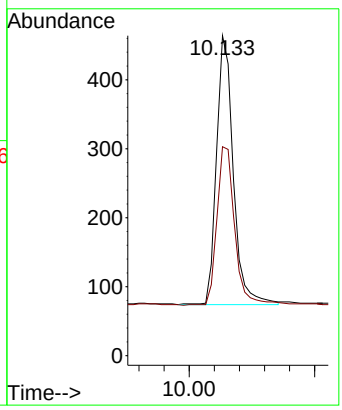


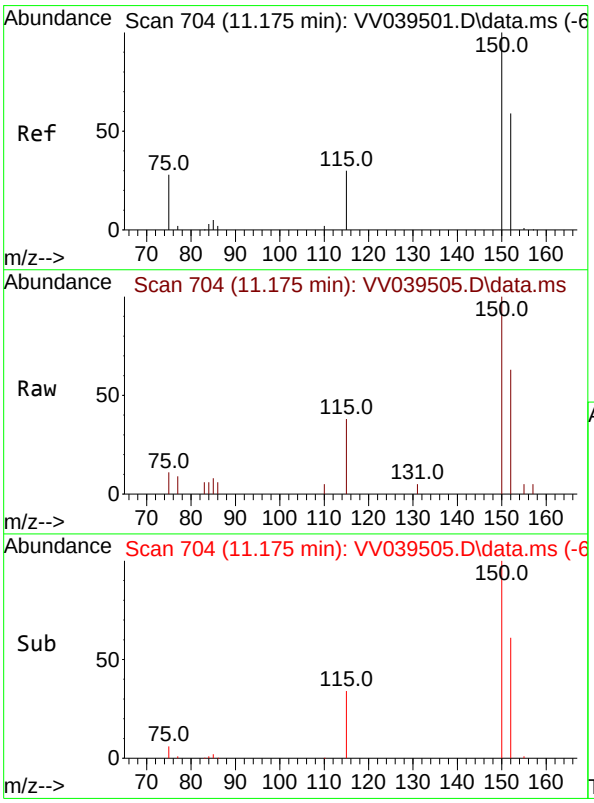
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.526 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039505.D
Acq: 09 Dec 2025 15:42

Instrument :
MSVOA_V
ClientSampleId :
EB01-120325

Tgt Ion: 84 Resp: 1813

Ion	Ratio	Lower	Upper
84	100		
86	62.5	44.4	82.5

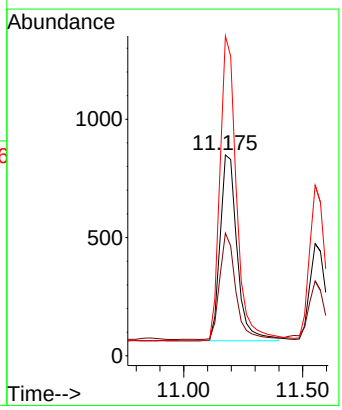




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.175 min Scan# 704
Delta R.T. -0.000 min
Lab File: VV039505.D
Acq: 09 Dec 2025 15:42

Tgt Ion:152 Resp: 3880

Ion	Ratio	Lower	Upper
152	100		
115	54.2	0.0	101.6
150	159.1	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120525\
Data File : VV039478.D
Acq On : 05 Dec 2025 14:37
Operator : SY/MD
Sample : Q3757-12
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB01-120325

Quant Time: Dec 05 22:49:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 04 00:58:46 2025
Response via : Initial Calibration

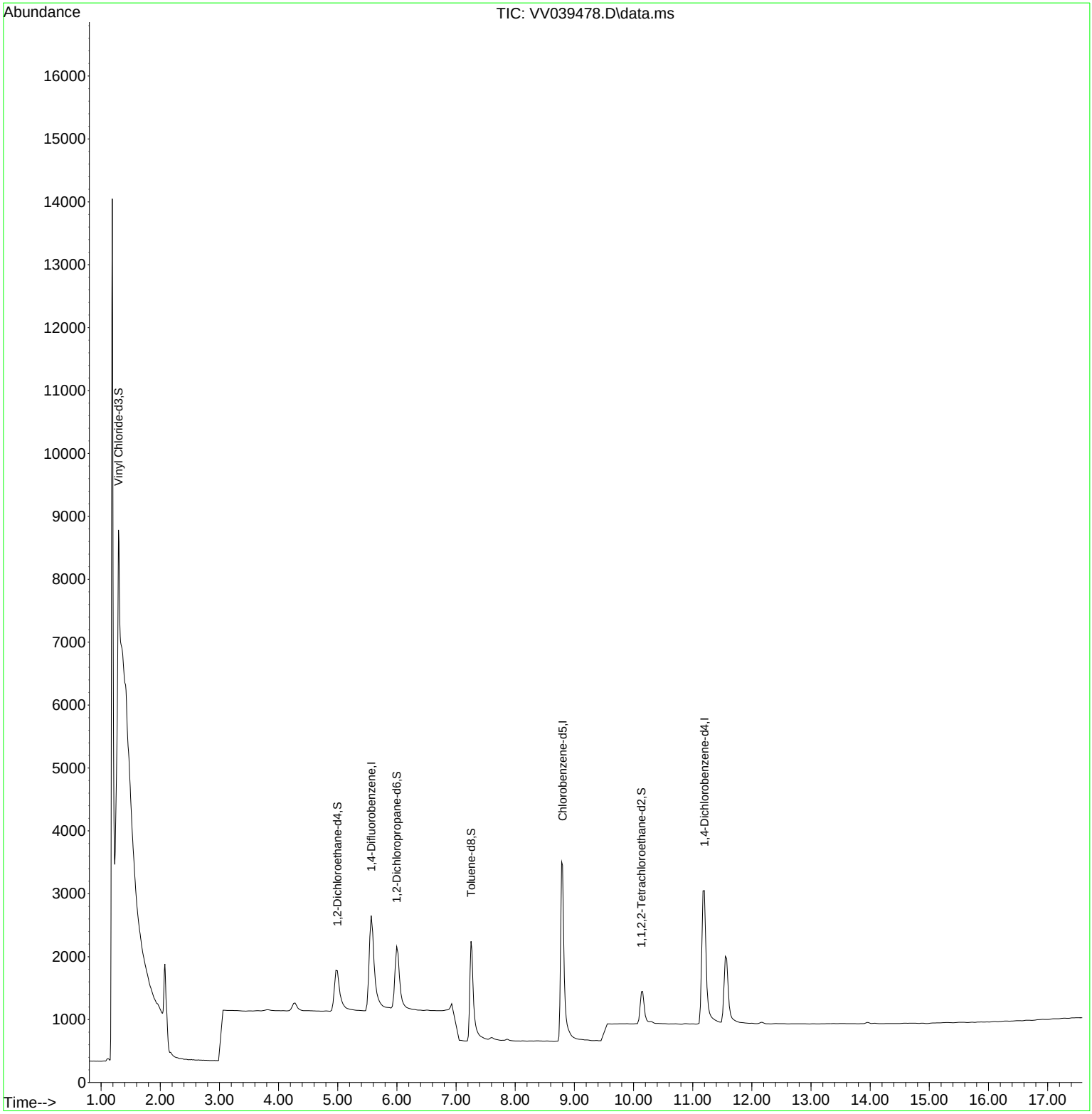
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6676	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6644	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3356	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3973	0.592	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 118.000%			
4) 1,2-Dichloroethane-d4	4.993	65	1923	0.433	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 86.000%			
7) 1,2-Dichloropropane-d6	5.995	67	2233	0.398	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 80.000%			
8) Toluene-d8	7.253	98	4118	0.435	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 88.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1578	0.500	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 100.000%			
Target Compounds						Qvalue

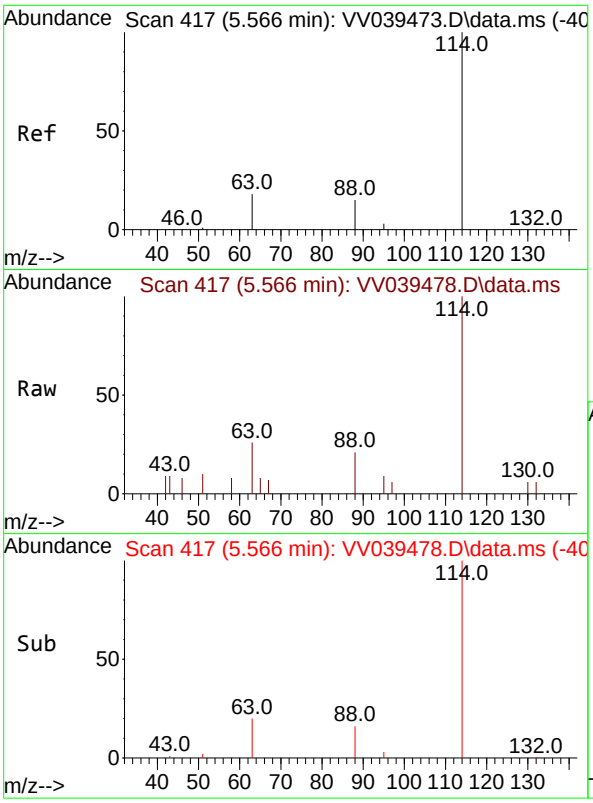
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120525\
Data File : VV039478.D
Acq On : 05 Dec 2025 14:37
Operator : SY/MD
Sample : Q3757-12
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB01-120325

Quant Time: Dec 05 22:49:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 04 00:58:46 2025
Response via : Initial Calibration



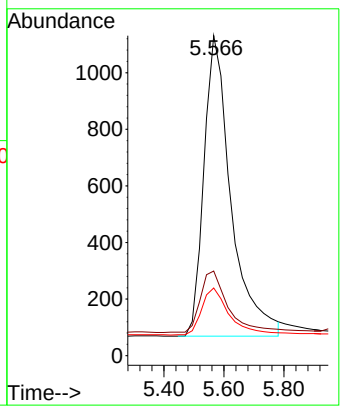


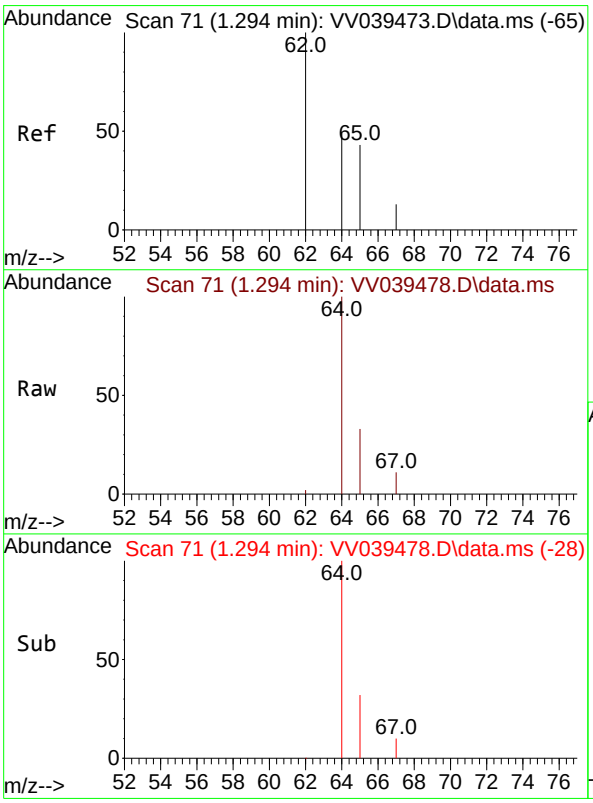
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV039478.D
Acq: 05 Dec 2025 14:37

Instrument :
MSVOA_V
ClientSampleId :
TB01-120325

Tgt Ion:114 Resp: 6676

Ion	Ratio	Lower	Upper
114	100		
63	20.7	15.0	22.4
88	15.9	12.0	18.0

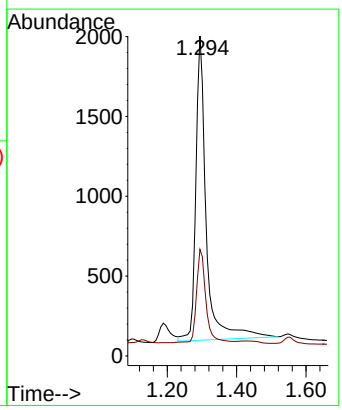


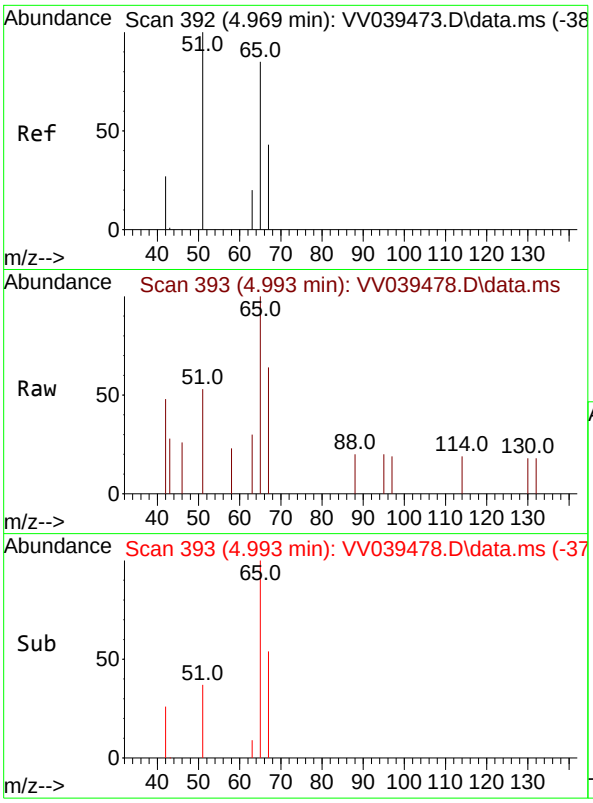


#2
Vinyl Chloride-d3
Concen: 0.592 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039478.D
Acq: 05 Dec 2025 14:37

Tgt Ion: 65 Resp: 3973

Ion	Ratio	Lower	Upper
65	100		
67	27.5	22.3	41.5



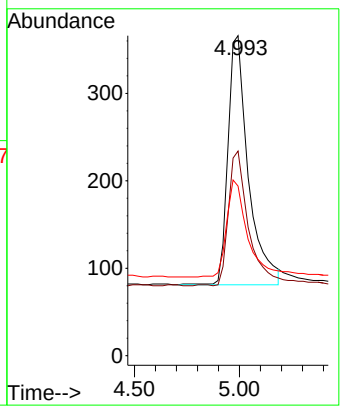


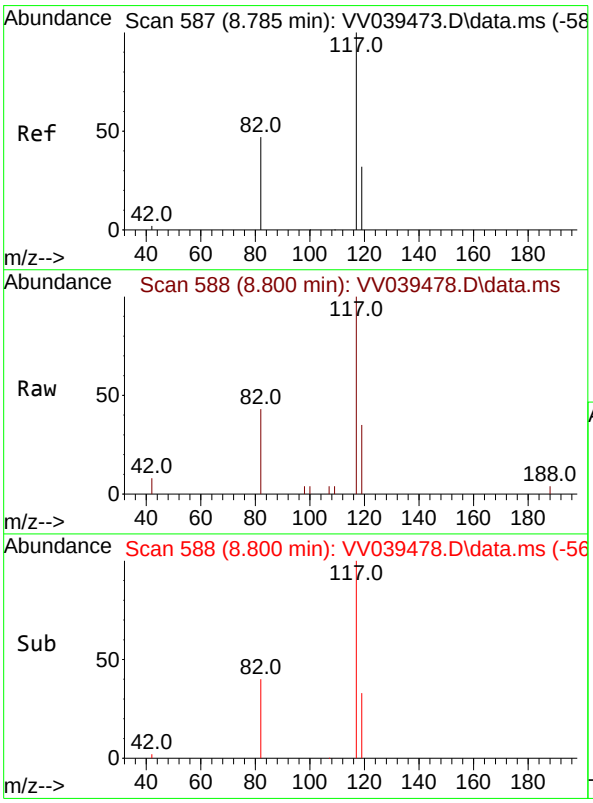
#4
1,2-Dichloroethane-d4
Concen: 0.433 ug/L
RT: 4.993 min Scan# 3
Delta R.T. 0.024 min
Lab File: VV039478.D
Acq: 05 Dec 2025 14:37

Instrument :
MSVOA_V
ClientSampleId :
TB01-120325

Tgt Ion: 65 Resp: 1923

Ion	Ratio	Lower	Upper
65	100		
67	52.9	32.5	60.3
51	39.2	121.4	225.6#

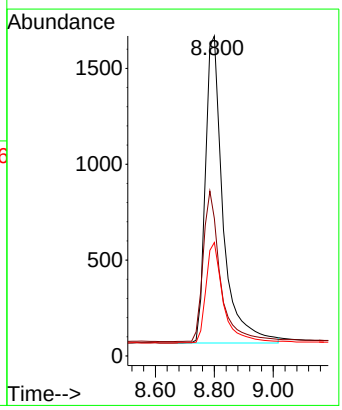


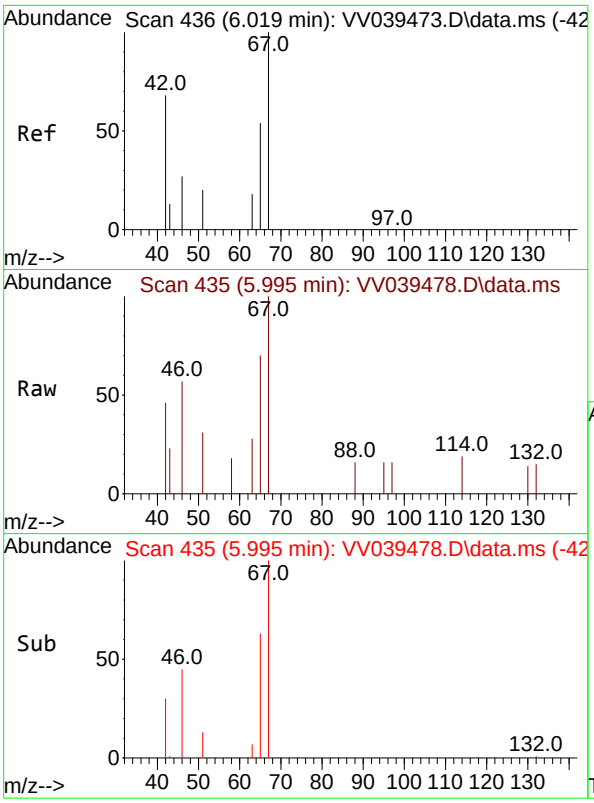


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039478.D
Acq: 05 Dec 2025 14:37

Tgt Ion:117 Resp: 6644

Ion	Ratio	Lower	Upper
117	100		
82	48.0	39.4	59.2
119	32.5	26.2	39.2



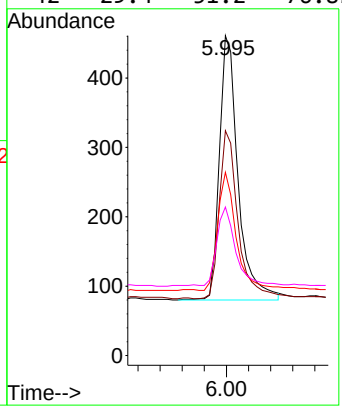


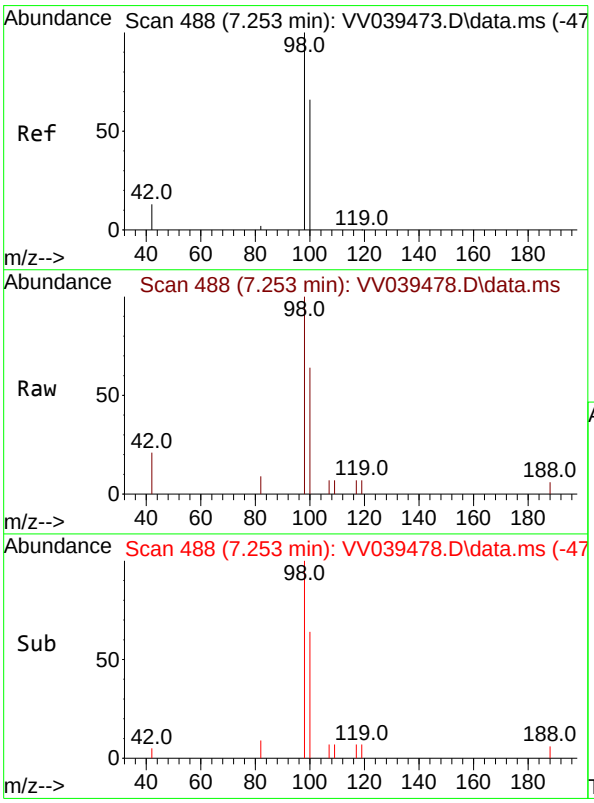
#7
1,2-Dichloropropane-d6
Concen: 0.398 ug/L
RT: 5.995 min Scan# 4
Delta R.T. -0.024 min
Lab File: VV039478.D
Acq: 05 Dec 2025 14:37

Instrument :
MSVOA_V
ClientSampleId :
TB01-120325

Tgt Ion: 67 Resp: 2233

Ion	Ratio	Lower	Upper
67	100		
65	63.8	37.9	56.9#
46	43.8	27.4	41.0#
42	29.4	51.2	76.8#

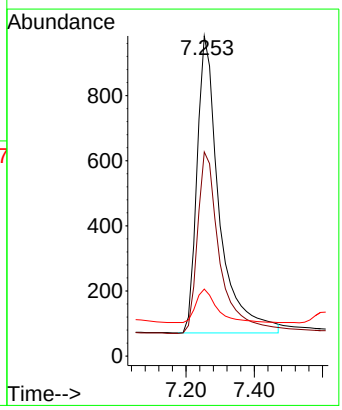


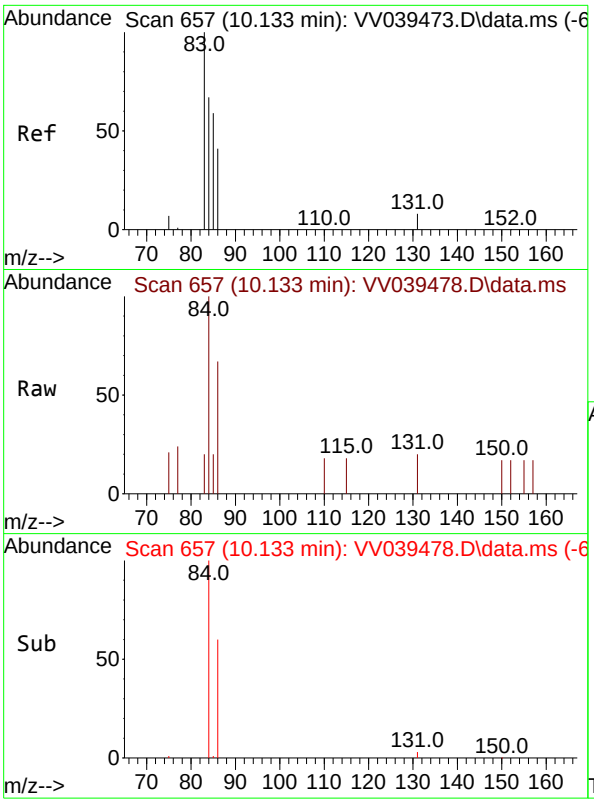


#8
Toluene-d8
Concen: 0.435 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039478.D
Acq: 05 Dec 2025 14:37

Tgt Ion: 98 Resp: 4118

Ion	Ratio	Lower	Upper
98	100		
100	61.8	44.5	82.7
42	10.7	10.1	18.7



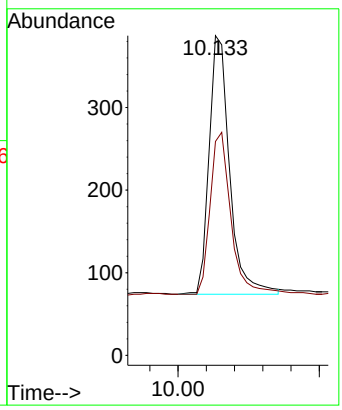


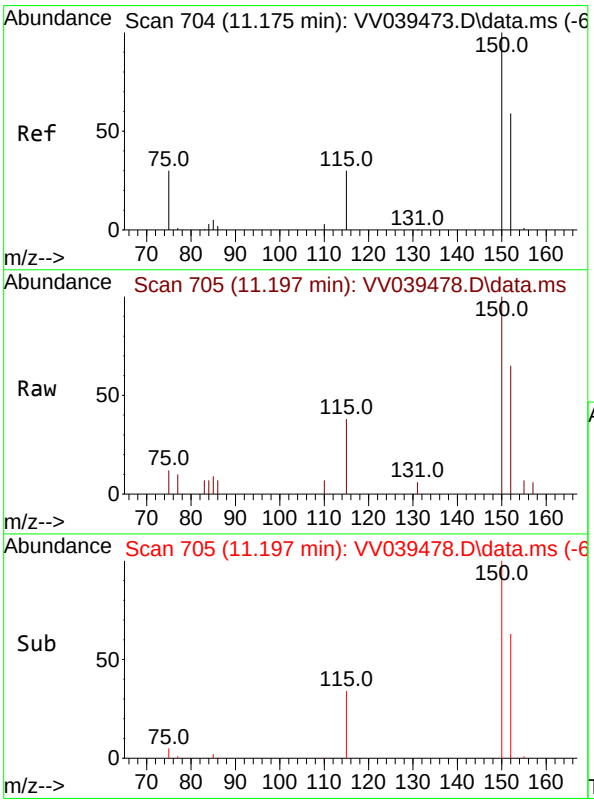
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.500 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039478.D
Acq: 05 Dec 2025 14:37

Instrument :
MSVOA_V
ClientSampleId :
TB01-120325

Tgt Ion: 84 Resp: 1578

Ion	Ratio	Lower	Upper
84	100		
86	63.1	44.4	82.5

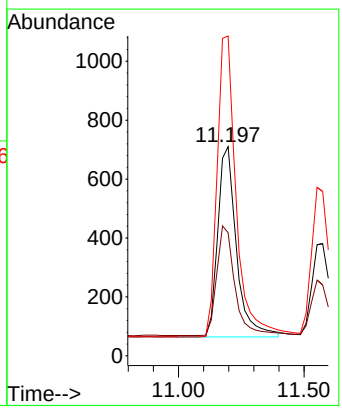




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039478.D
Acq: 05 Dec 2025 14:37

Tgt Ion:152 Resp: 3356

Ion	Ratio	Lower	Upper
152	100		
115	55.5	0.0	101.6
150	160.1	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039514.D
Acq On : 09 Dec 2025 18:51
Operator : SY/MD
Sample : Q3757-14
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 10 01:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	5508	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5536	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.198	152	2897	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	3141m	0.581	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 116.000%			
4) 1,2-Dichloroethane-d4	4.994	65	1787	0.487	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 98.000%			
7) 1,2-Dichloropropane-d6	5.996	67	2060	0.441	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 88.000%			
8) Toluene-d8	7.254	98	3801	0.482	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 96.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1502	0.571	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 114.000%			
Target Compounds						Qvalue

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

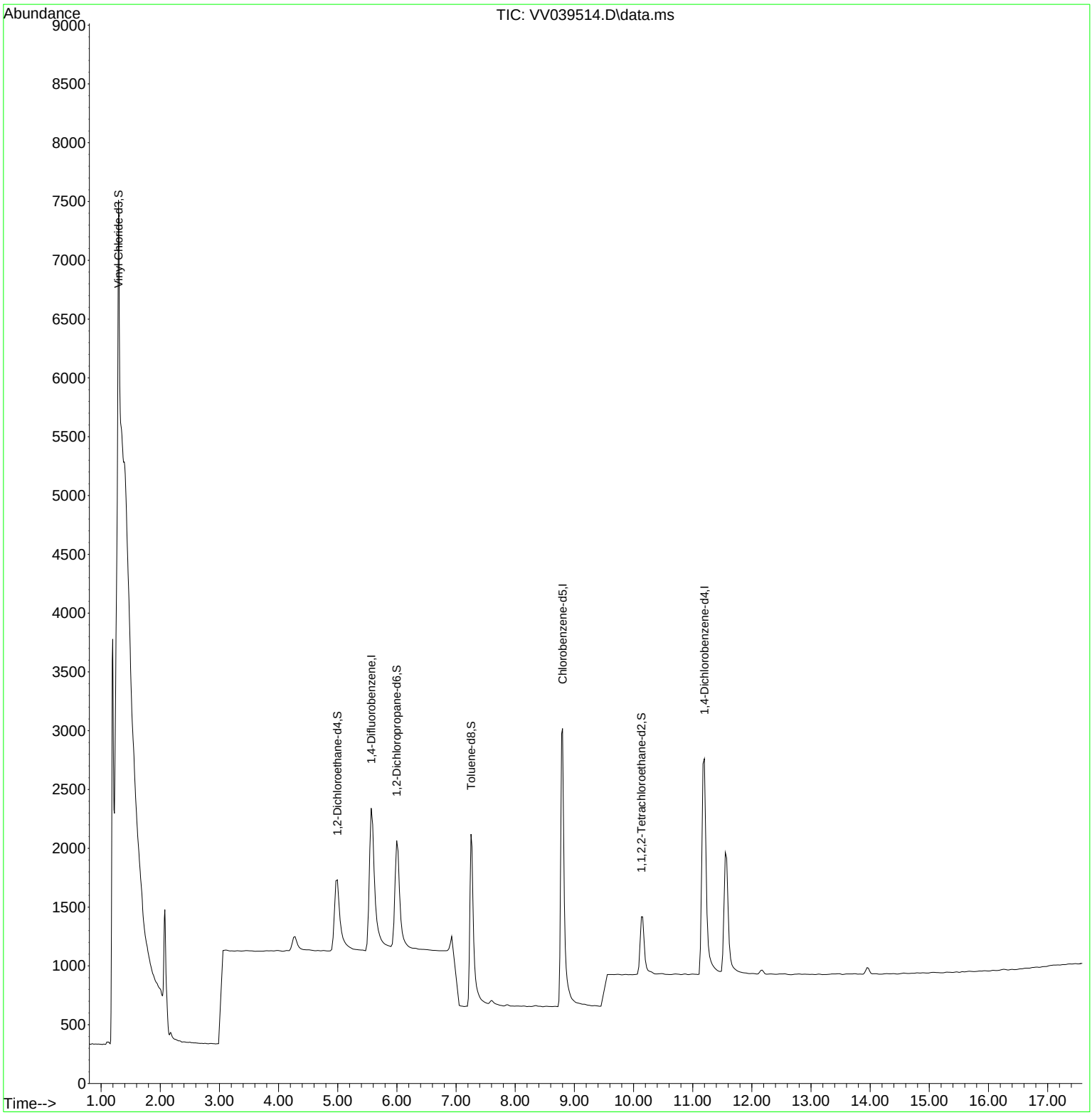
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039514.D
Acq On : 09 Dec 2025 18:51
Operator : SY/MD
Sample : Q3757-14
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

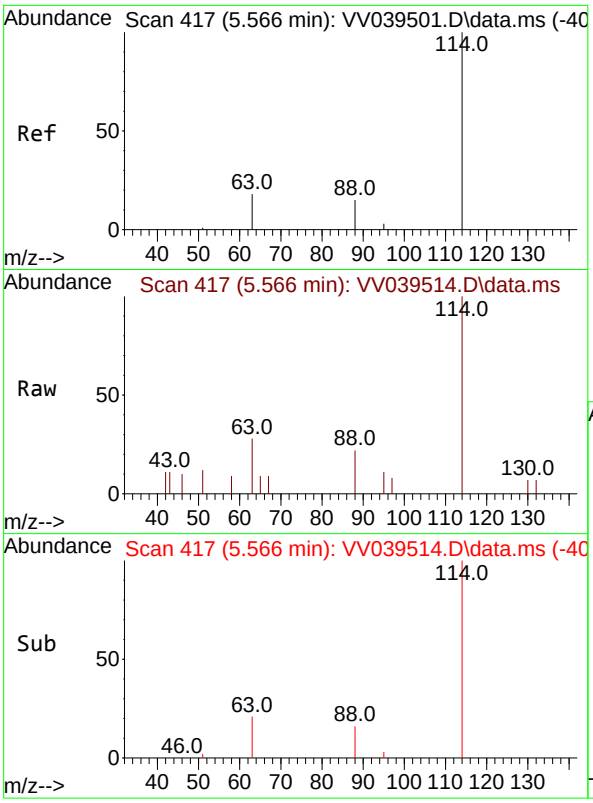
Quant Time: Dec 10 01:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

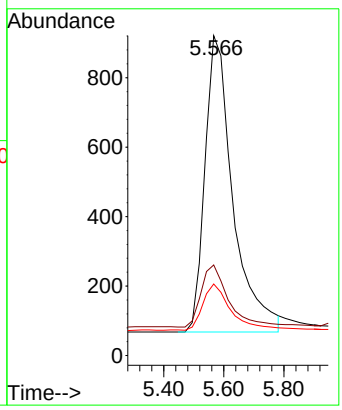




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 4
Delta R.T. 0.000 min
Lab File: VV039514.D
Acq: 09 Dec 2025 18:51

Tgt Ion:114 Resp: 550

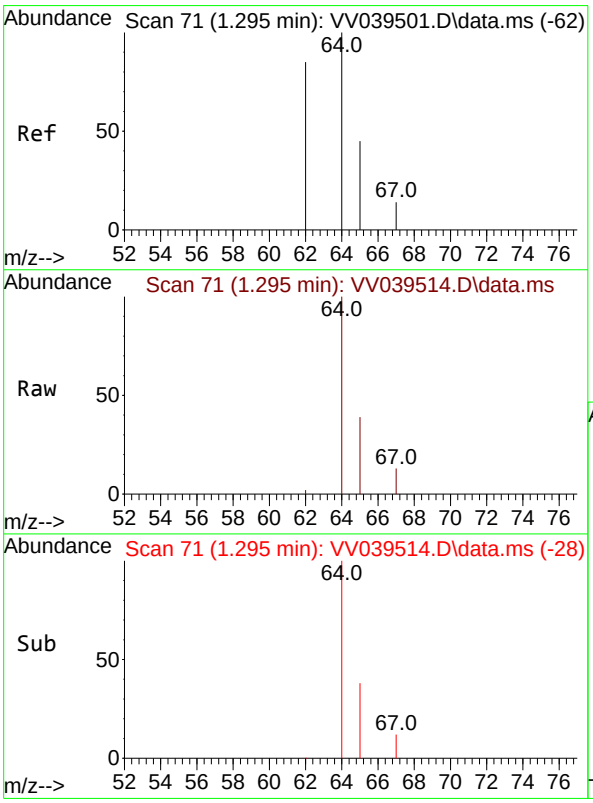
Ion	Ratio	Lower	Upper
114	100		
63	20.6	15.0	22.4
88	15.6	12.0	18.0



Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Manual Integrations
APPROVED

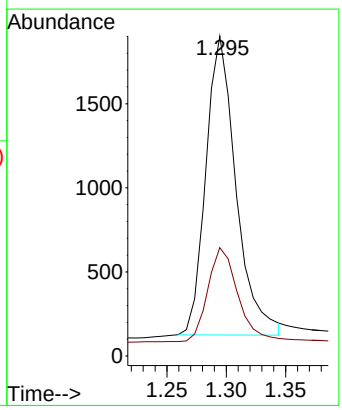
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

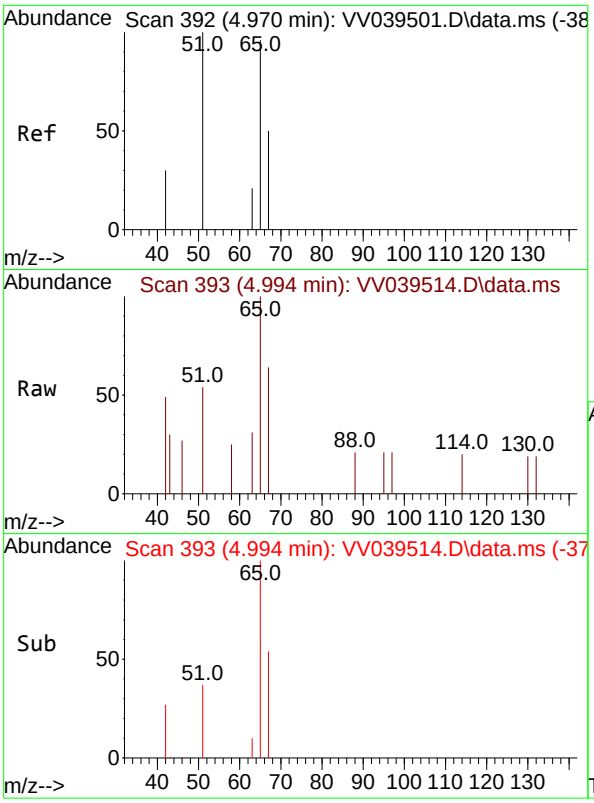


#2
Vinyl Chloride-d3
Concen: 0.581 ug/L m
RT: 1.295 min Scan# 71
Delta R.T. 0.001 min
Lab File: VV039514.D
Acq: 09 Dec 2025 18:51

Tgt Ion: 65 Resp: 3141

Ion	Ratio	Lower	Upper
65	100		
67	34.3	22.3	41.5

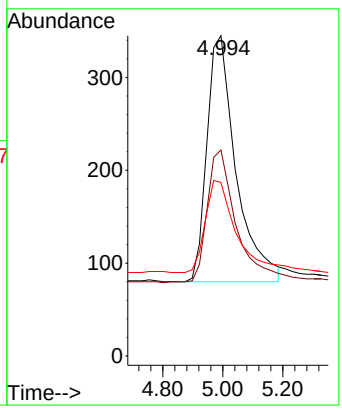




#4
1,2-Dichloroethane-d4
Concen: 0.487 ug/L
RT: 4.994 min Scan# 3
Delta R.T. 0.025 min
Lab File: VV039514.D
Acq: 09 Dec 2025 18:51

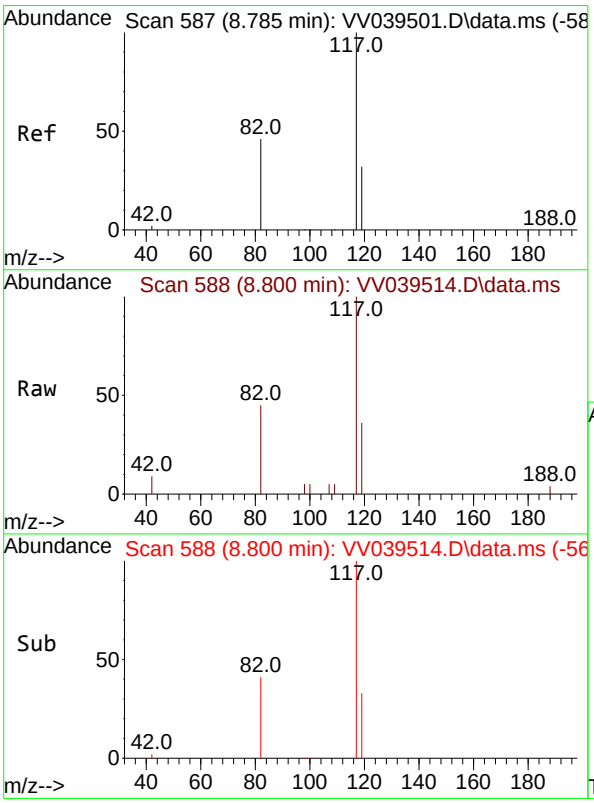
Tgt Ion: 65 Resp: 178

Ion	Ratio	Lower	Upper
65	100		
67	53.8	32.5	60.3
51	39.1	121.4	225.6#



Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

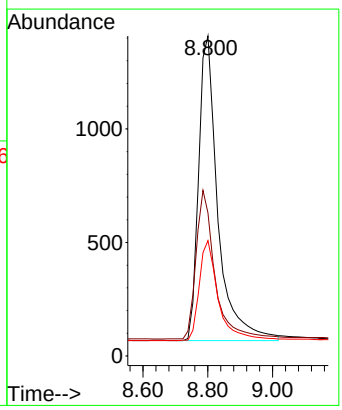
Manual Integrations APPROVED
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

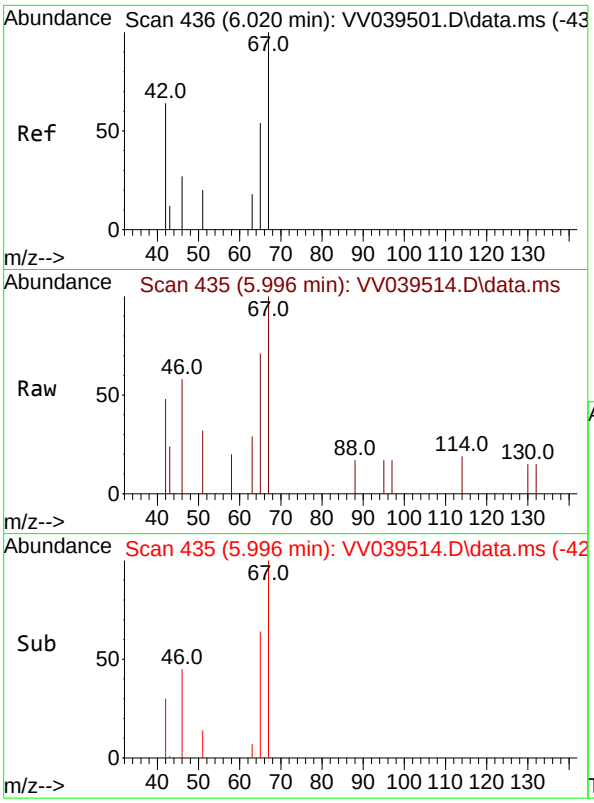


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039514.D
Acq: 09 Dec 2025 18:51

Tgt Ion:117 Resp: 5536

Ion	Ratio	Lower	Upper
117	100		
82	47.9	39.4	59.2
119	32.6	26.2	39.2

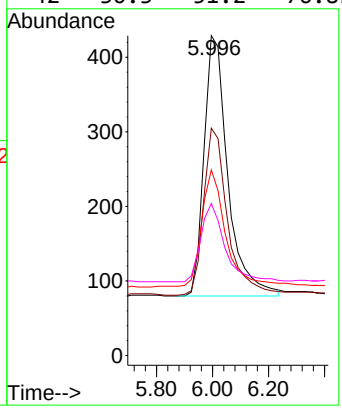




#7
1,2-Dichloropropane-d6
Concen: 0.441 ug/L
RT: 5.996 min Scan# 4
Delta R.T. -0.023 min
Lab File: VV039514.D
Acq: 09 Dec 2025 18:51

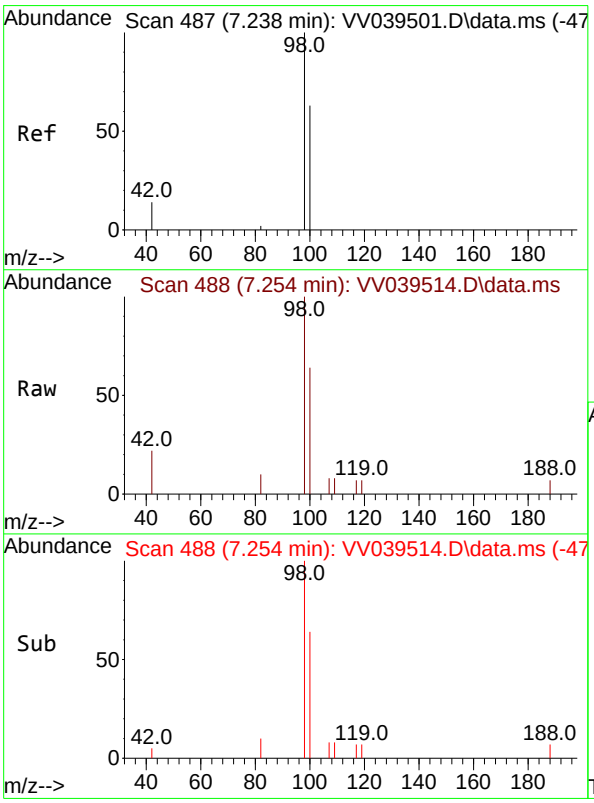
Tgt Ion: 67 Resp: 206

Ion	Ratio	Lower	Upper
67	100		
65	64.5	37.9	56.9#
46	45.7	27.4	41.0#
42	30.3	51.2	76.8#



Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

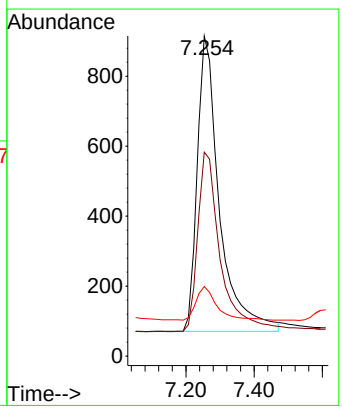
Manual Integrations APPROVED
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

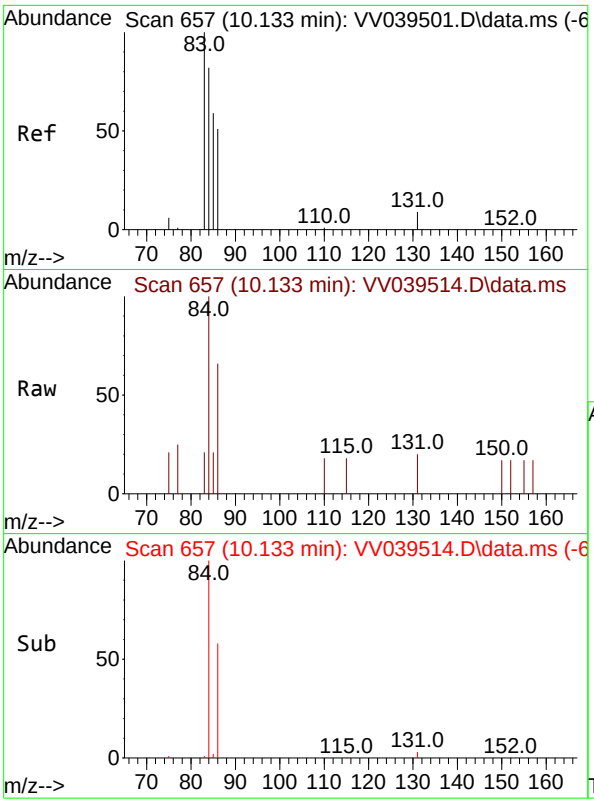


#8
Toluene-d8
Concen: 0.482 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039514.D
Acq: 09 Dec 2025 18:51

Tgt Ion: 98 Resp: 3801

Ion	Ratio	Lower	Upper
98	100		
100	61.6	44.5	82.7
42	10.5	10.1	18.7





#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.571 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039514.D
Acq: 09 Dec 2025 18:51

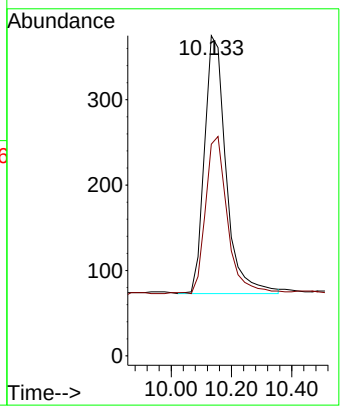
Tgt Ion: 84 Resp: 150

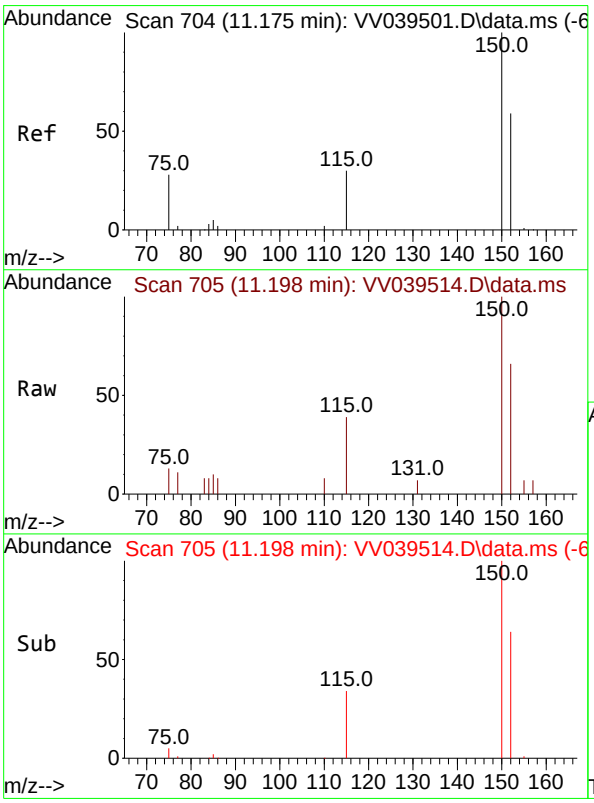
Ion	Ratio	Lower	Upper
84	100		
86	61.6	44.4	82.5

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

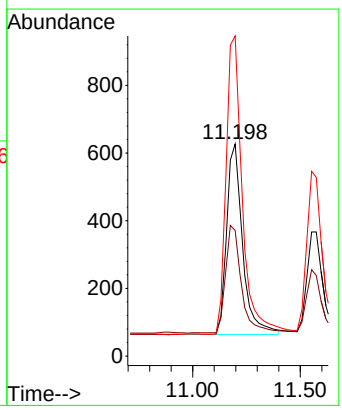




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.198 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039514.D
Acq: 09 Dec 2025 18:51

Tgt Ion:152 Resp: 2897

Ion	Ratio	Lower	Upper
152	100		
115	55.4	0.0	101.6
150	159.1	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120525\
Data File : VV039474.D
Acq On : 05 Dec 2025 12:30
Operator : SY/MD
Sample : VV1205WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK236

Quant Time: Dec 05 22:47:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 04 00:58:46 2025
Response via : Initial Calibration

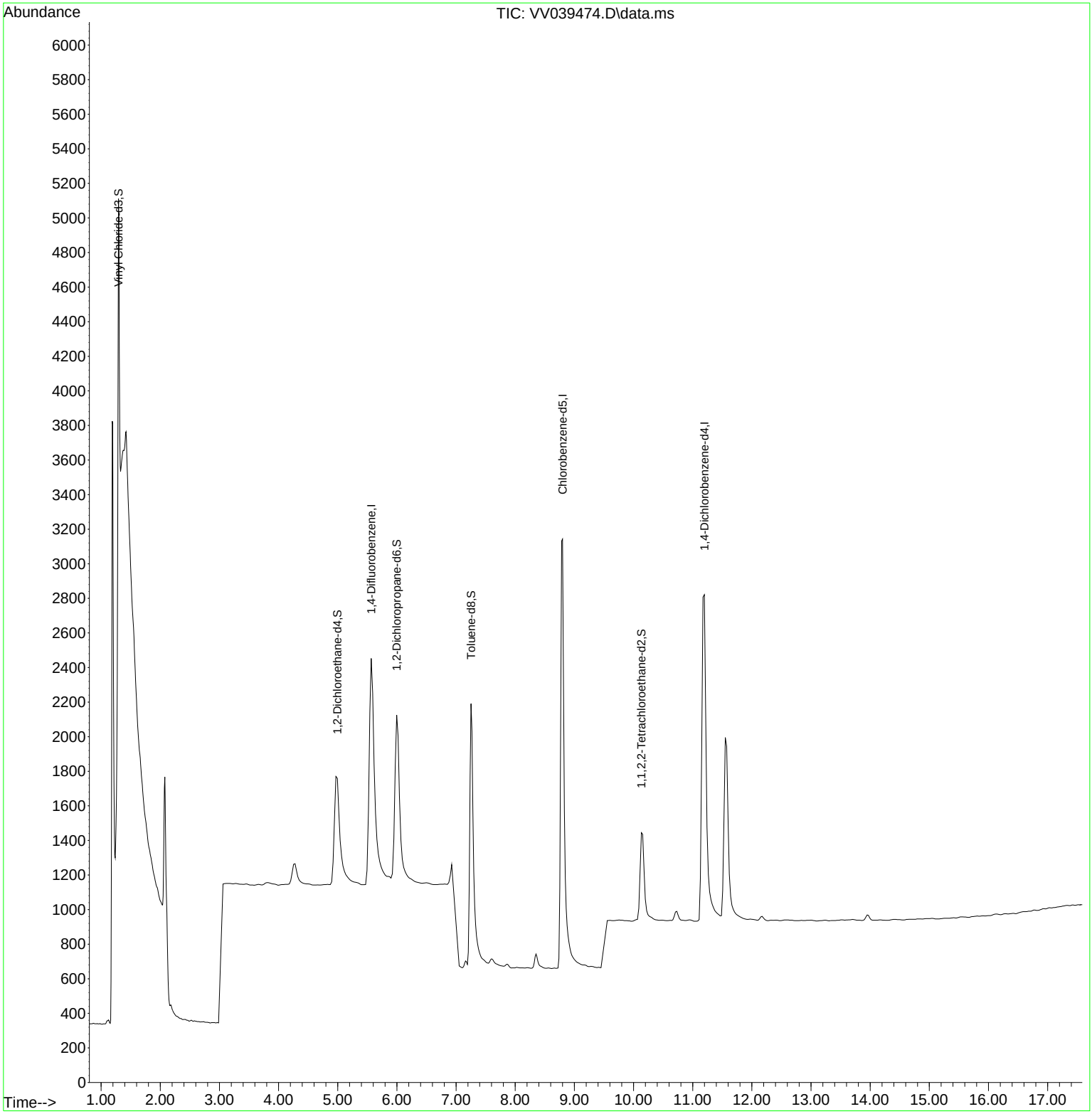
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	5971	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5907	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3034	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3423	0.570	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 114.000%			
4) 1,2-Dichloroethane-d4	4.993	65	1812	0.456	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 92.000%			
7) 1,2-Dichloropropane-d6	5.996	67	2120	0.425	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 86.000%			
8) Toluene-d8	7.254	98	4006	0.476	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 96.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1520	0.541	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 108.000%			
Target Compounds						Qvalue

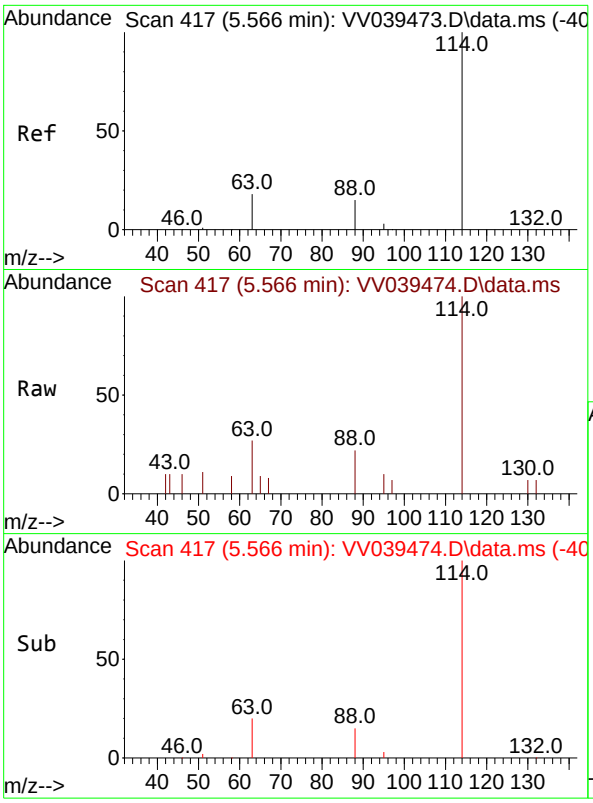
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120525\
Data File : VV039474.D
Acq On : 05 Dec 2025 12:30
Operator : SY/MD
Sample : VV1205WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK236

Quant Time: Dec 05 22:47:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 04 00:58:46 2025
Response via : Initial Calibration



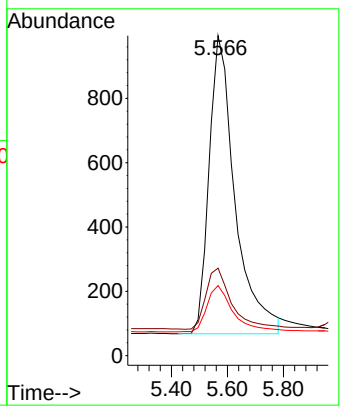


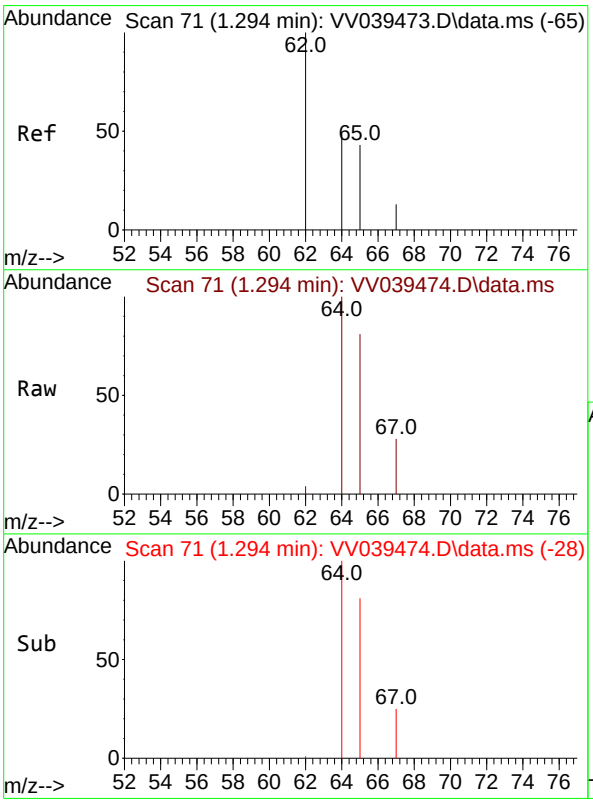
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039474.D
Acq: 05 Dec 2025 12:30

Instrument :
MSVOA_V
ClientSampleId :
VBLK236

Tgt Ion:114 Resp: 5971

Ion	Ratio	Lower	Upper
114	100		
63	20.4	15.0	22.4
88	15.5	12.0	18.0

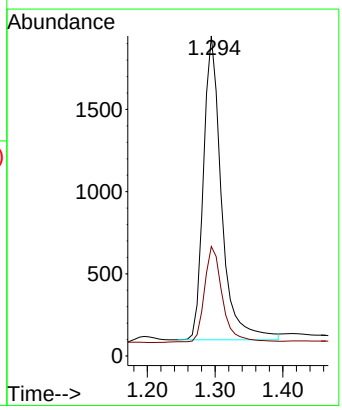


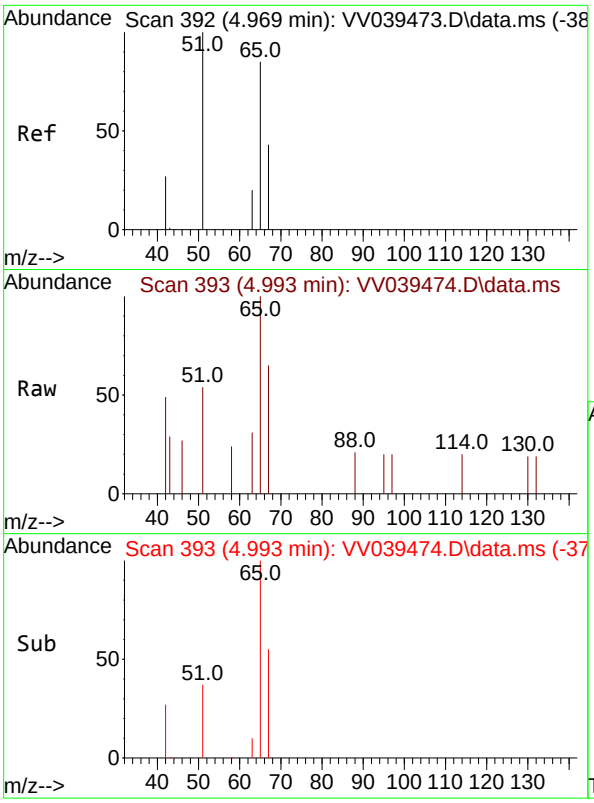


#2
Vinyl Chloride-d3
Concen: 0.570 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039474.D
Acq: 05 Dec 2025 12:30

Tgt Ion: 65 Resp: 3423

Ion	Ratio	Lower	Upper
65	100		
67	32.0	22.3	41.5



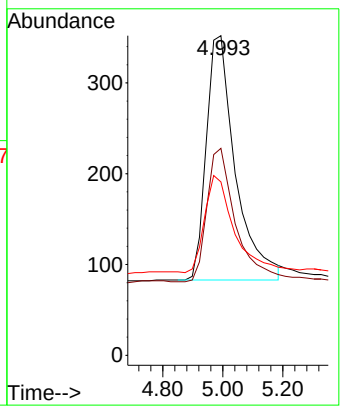


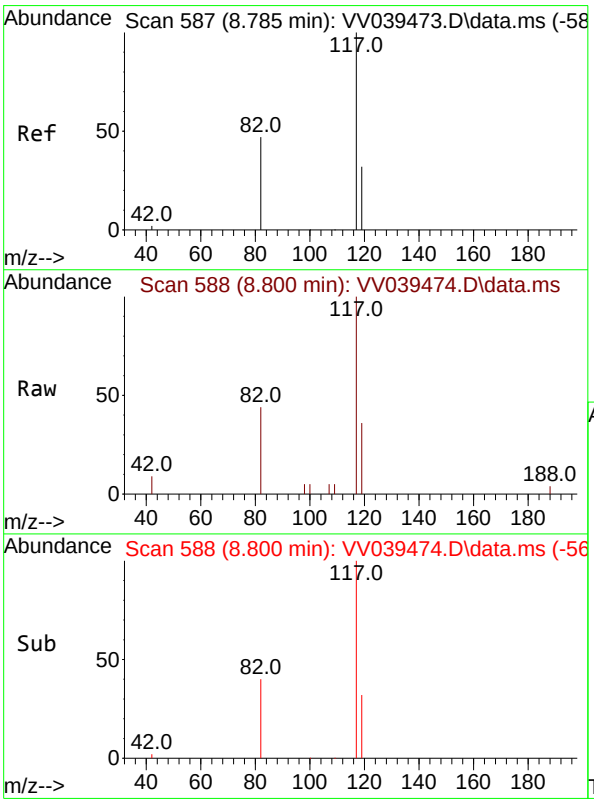
#4
1,2-Dichloroethane-d4
Concen: 0.456 ug/L
RT: 4.993 min Scan# 3
Delta R.T. 0.024 min
Lab File: VV039474.D
Acq: 05 Dec 2025 12:30

Instrument :
MSVOA_V
ClientSampleId :
VBLK236

Tgt Ion: 65 Resp: 1812

Ion	Ratio	Lower	Upper
65	100		
67	53.8	32.5	60.3
51	39.2	121.4	225.6#

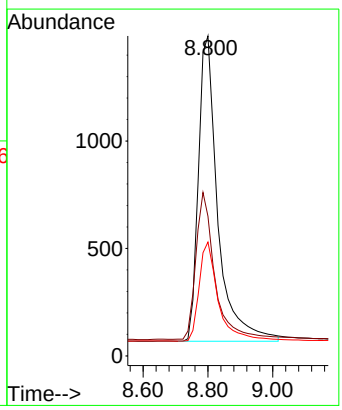


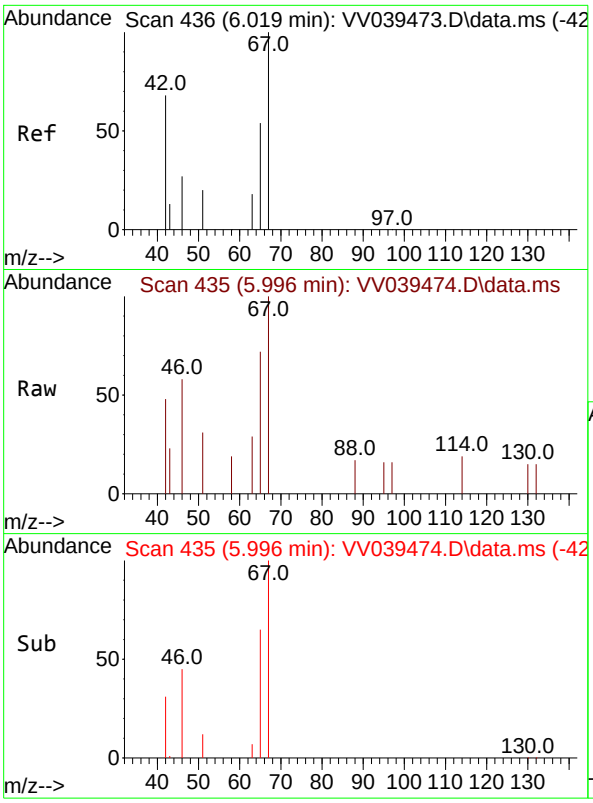


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.016 min
Lab File: VV039474.D
Acq: 05 Dec 2025 12:30

Tgt Ion:117 Resp: 5907

Ion	Ratio	Lower	Upper
117	100		
82	47.1	39.4	59.2
119	32.1	26.2	39.2



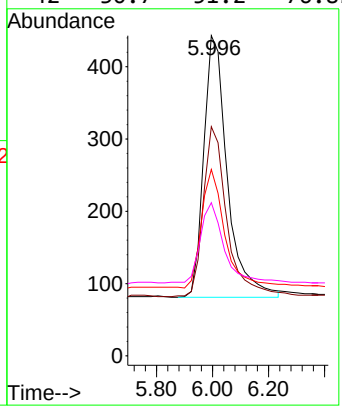


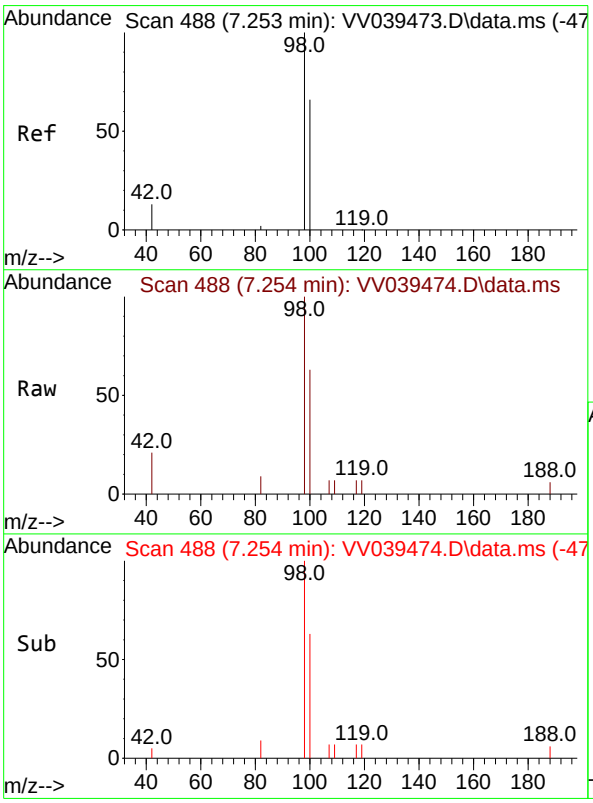
#7
1,2-Dichloropropane-d6
Concen: 0.425 ug/L
RT: 5.996 min Scan# 4
Delta R.T. -0.023 min
Lab File: VV039474.D
Acq: 05 Dec 2025 12:30

Instrument :
MSVOA_V
ClientSampleId :
VBLK236

Tgt Ion: 67 Resp: 2120

Ion	Ratio	Lower	Upper
67	100		
65	64.8	37.9	56.9#
46	44.4	27.4	41.0#
42	30.7	51.2	76.8#

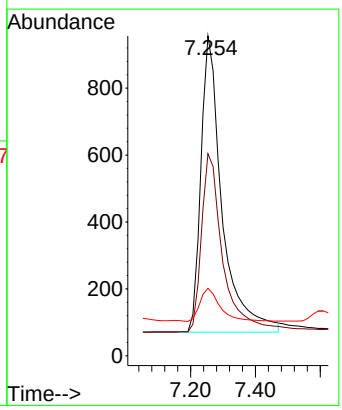


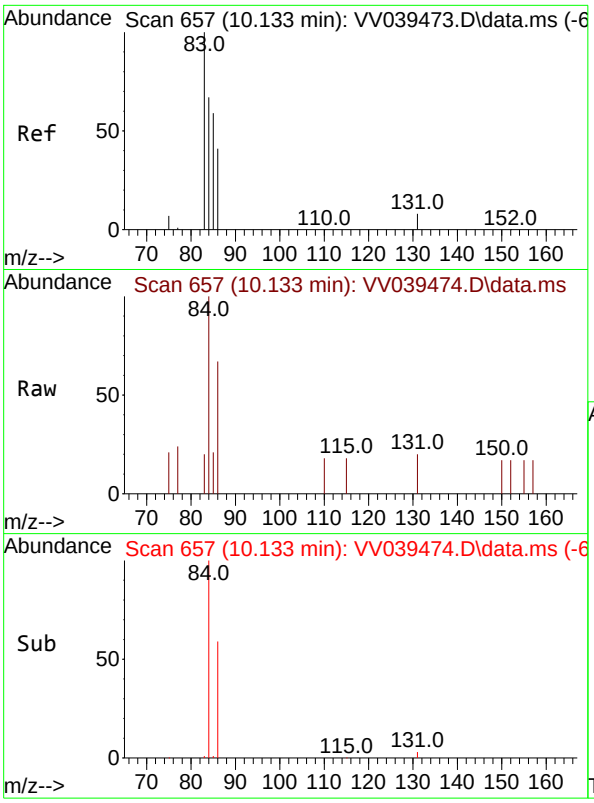


#8
Toluene-d8
Concen: 0.476 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039474.D
Acq: 05 Dec 2025 12:30

Tgt Ion: 98 Resp: 4006

Ion	Ratio	Lower	Upper
98	100		
100	60.3	44.5	82.7
42	10.6	10.1	18.7



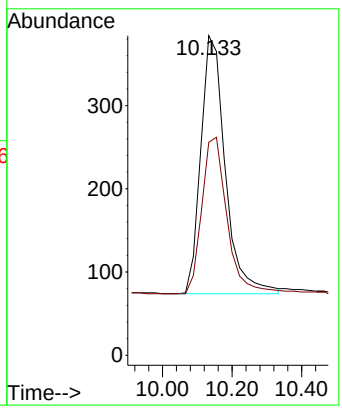


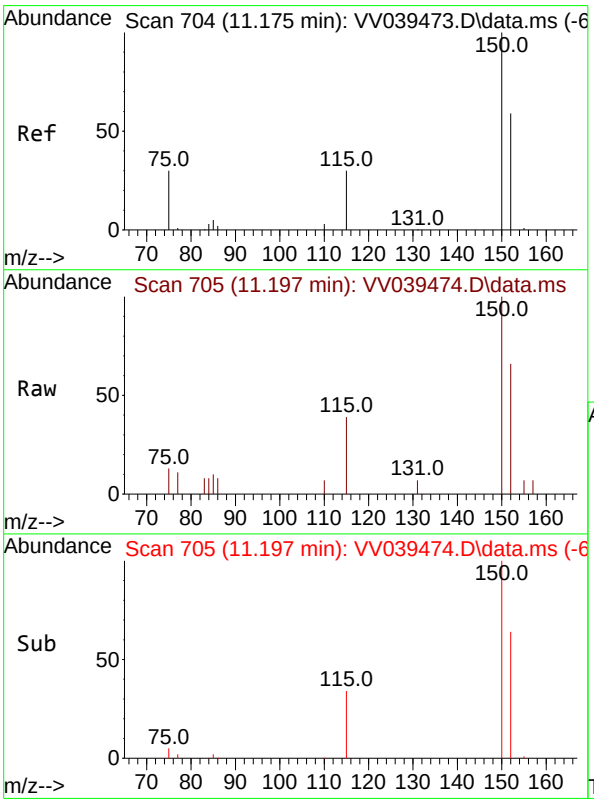
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.541 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039474.D
Acq: 05 Dec 2025 12:30

Instrument :
MSVOA_V
ClientSampleId :
VBLK236

Tgt Ion: 84 Resp: 1520

Ion	Ratio	Lower	Upper
84	100		
86	62.5	44.4	82.5

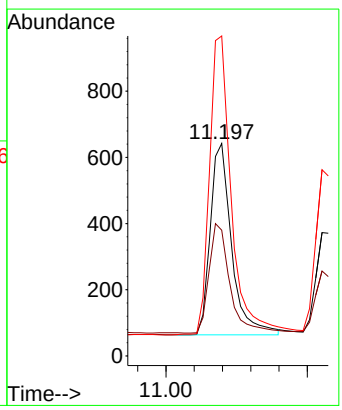




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039474.D
Acq: 05 Dec 2025 12:30

Tgt Ion:152 Resp: 3034

Ion	Ratio	Lower	Upper
152	100		
115	55.8	0.0	101.6
150	158.4	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039502.D
Acq On : 09 Dec 2025 14:29
Operator : SY/MD
Sample : VV1209WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

Quant Time: Dec 10 01:16:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6387	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.801	117	5976	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.198	152	3086	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	3547	0.566	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 114.000%			
4) 1,2-Dichloroethane-d4	4.970	65	1848	0.435	ug/L	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 86.000%			
7) 1,2-Dichloropropane-d6	5.996	67	2092	0.415	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 82.000%			
8) Toluene-d8	7.254	98	4027	0.473	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 94.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1438	0.506	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 102.000%			

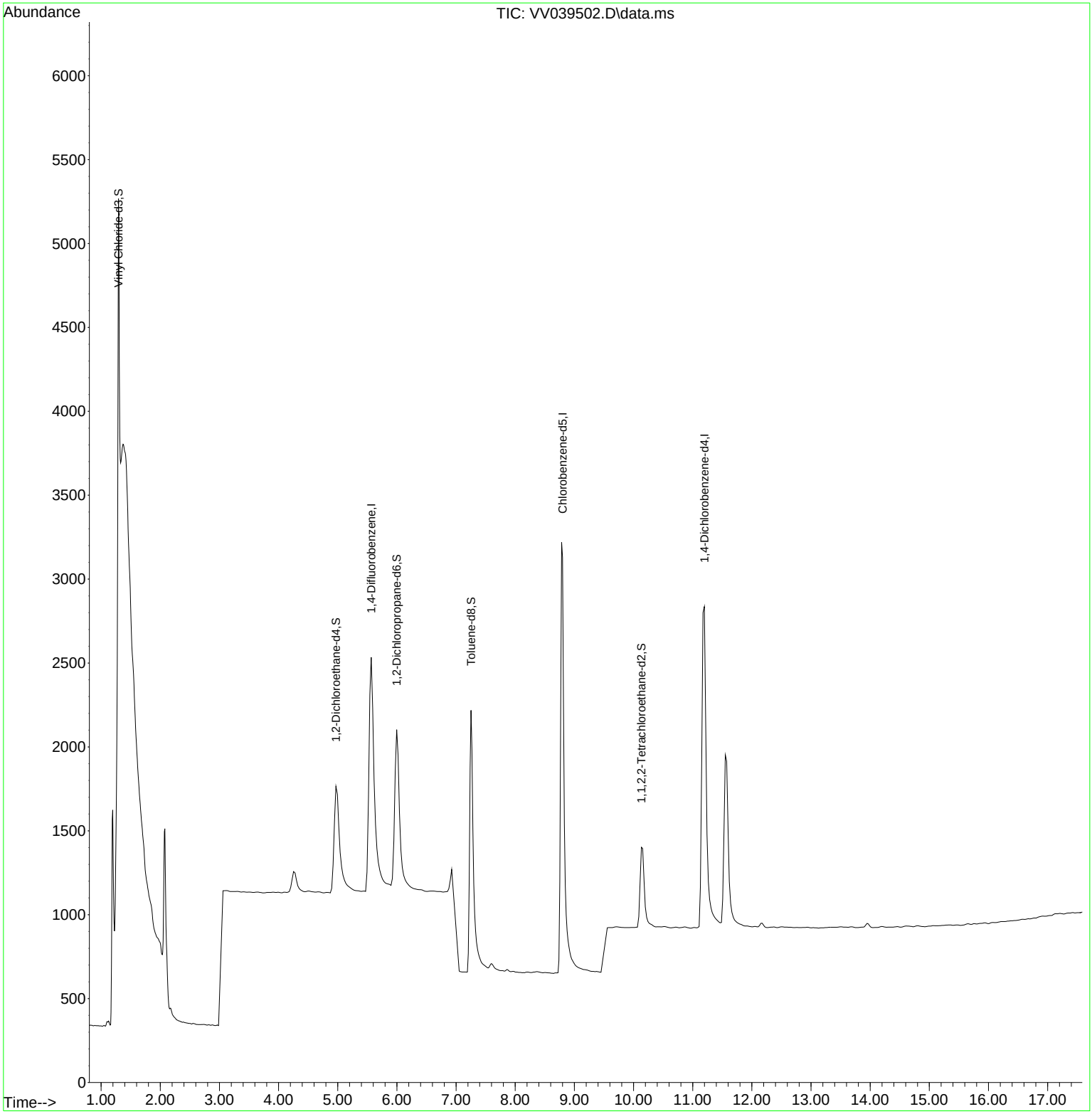
Target Compounds Qvalue

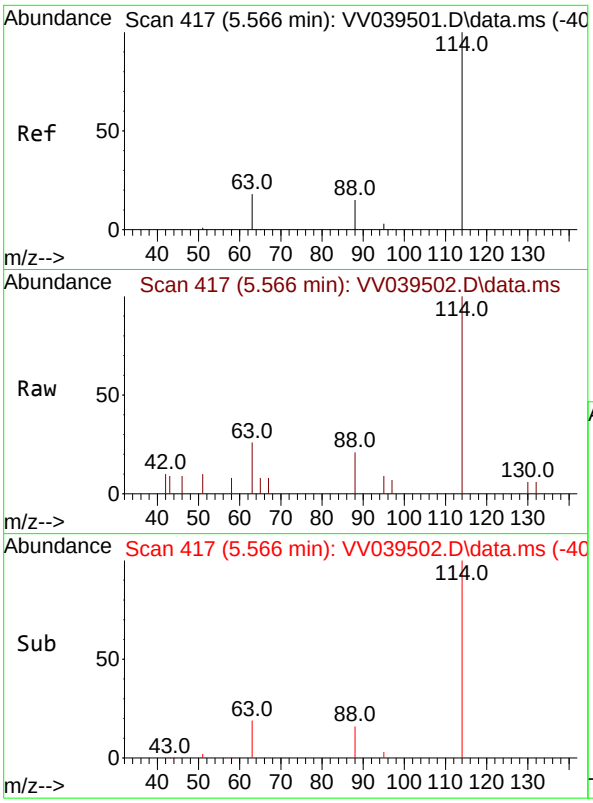
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039502.D
Acq On : 09 Dec 2025 14:29
Operator : SY/MD
Sample : VV1209WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

Quant Time: Dec 10 01:16:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration



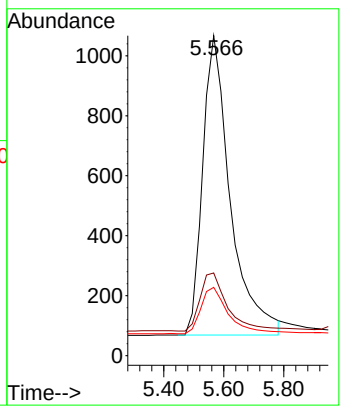


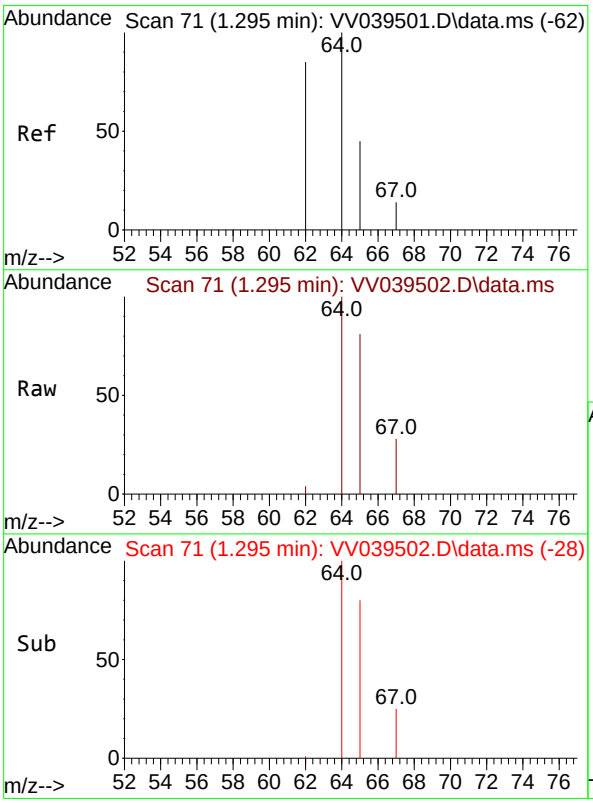
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

Tgt Ion:114 Resp: 6387

Ion	Ratio	Lower	Upper
114	100		
63	19.4	15.0	22.4
88	15.4	12.0	18.0

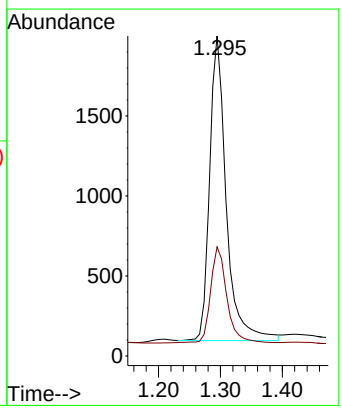


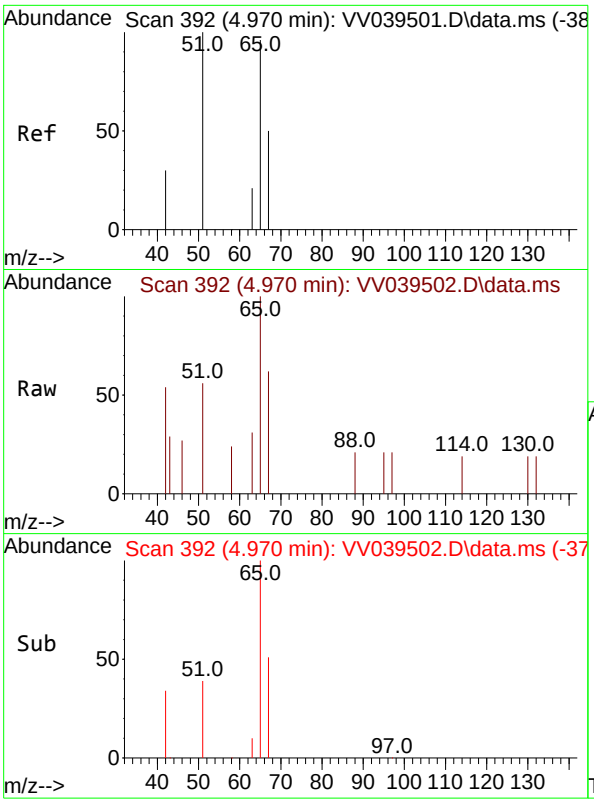


#2
Vinyl Chloride-d3
Concen: 0.566 ug/L
RT: 1.295 min Scan# 71
Delta R.T. 0.001 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Tgt Ion: 65 Resp: 3547

Ion	Ratio	Lower	Upper
65	100		
67	31.5	22.3	41.5



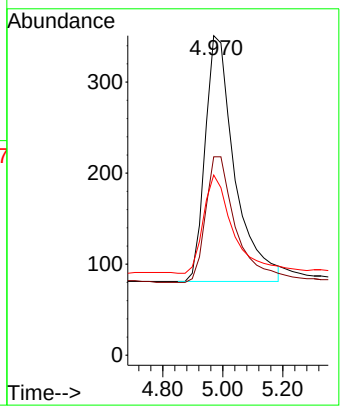


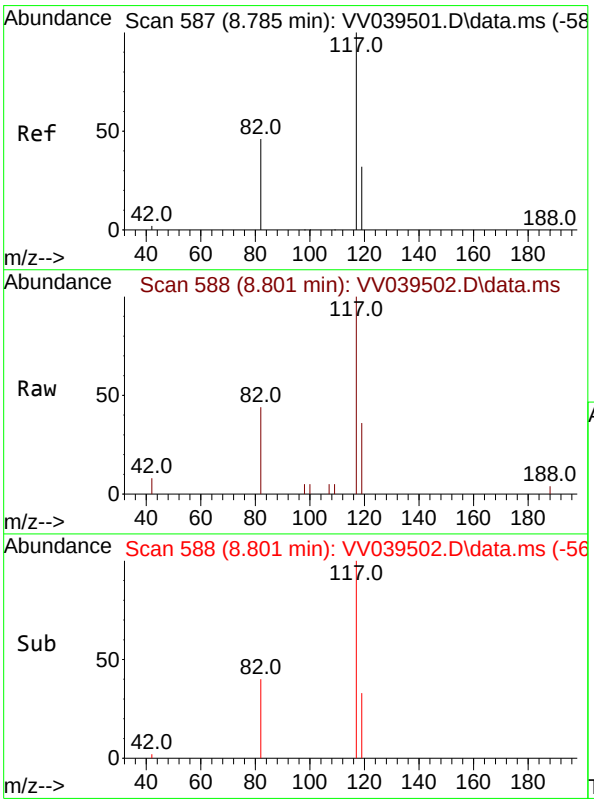
#4
1,2-Dichloroethane-d4
Concen: 0.435 ug/L
RT: 4.970 min Scan# 3
Delta R.T. 0.001 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

Tgt Ion: 65 Resp: 1848

Ion	Ratio	Lower	Upper
65	100		
67	52.3	32.5	60.3
51	39.8	121.4	225.6#

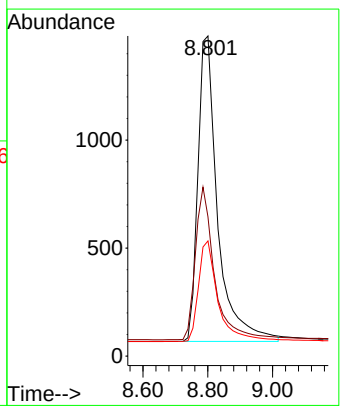


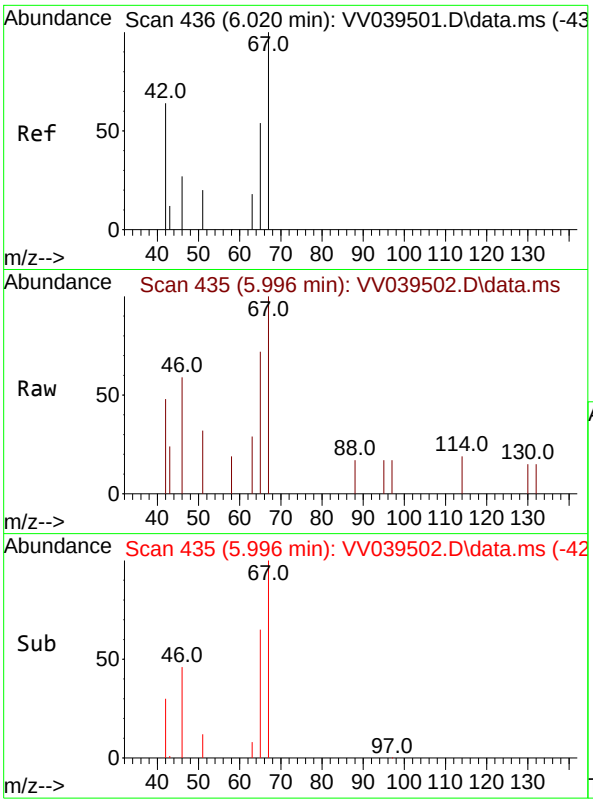


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.801 min Scan# 588
Delta R.T. 0.016 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Tgt Ion:117 Resp: 5976

Ion	Ratio	Lower	Upper
117	100		
82	48.7	39.4	59.2
119	32.9	26.2	39.2



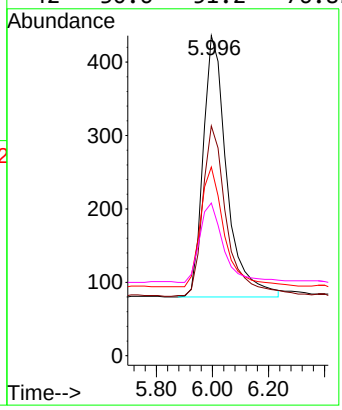


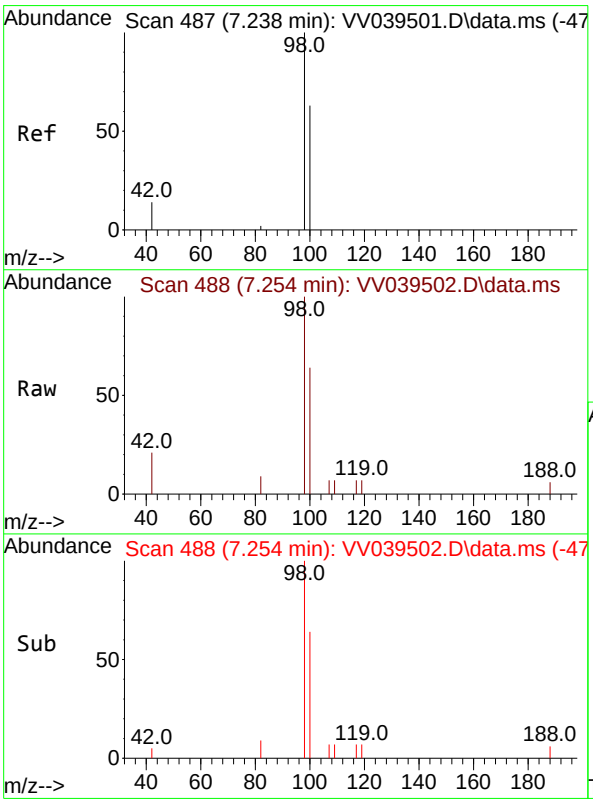
#7
1,2-Dichloropropane-d6
Concen: 0.415 ug/L
RT: 5.996 min Scan# 4
Delta R.T. -0.023 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

Tgt Ion: 67 Resp: 2092

Ion	Ratio	Lower	Upper
67	100		
65	65.8	37.9	56.9#
46	46.0	27.4	41.0#
42	30.6	51.2	76.8#

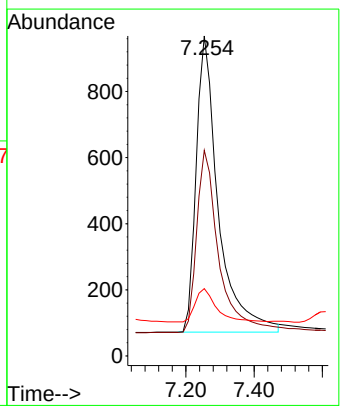


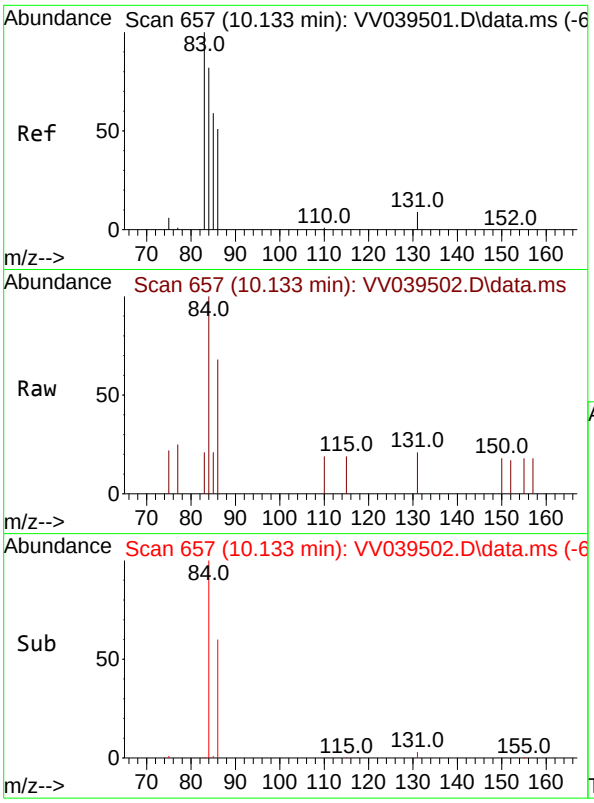


#8
Toluene-d8
Concen: 0.473 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Tgt Ion: 98 Resp: 4027

Ion	Ratio	Lower	Upper
98	100		
100	61.6	44.5	82.7
42	10.7	10.1	18.7



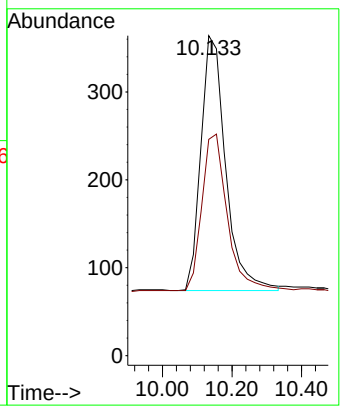


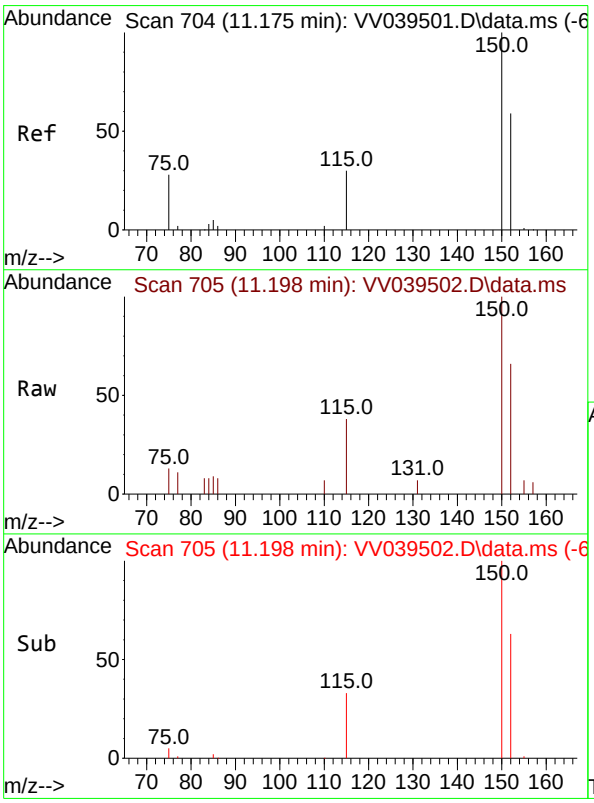
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.506 ug/L
RT: 10.133 min Scan# 6
Delta R.T. 0.000 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

Tgt Ion: 84 Resp: 1438

Ion	Ratio	Lower	Upper
84	100		
86	62.9	44.4	82.5

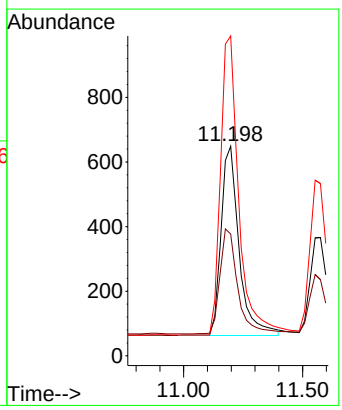




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.198 min Scan# 705
Delta R.T. 0.023 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Tgt Ion:152 Resp: 3086

Ion	Ratio	Lower	Upper
152	100		
115	54.4	0.0	101.6
150	158.6	0.0	396.2



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

Manual Integration Report

Sequence:	VV120325	Instrument	MSVOA_v

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:	VV120525	Instrument	MSVOA_v

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:	VV120925	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3757-06	VV039504.D	Vinyl Chloride-d3	JOHN	12/10/2025 9:02:00 AM	MMDadoda	12/10/2025 10:09:59 AM	Peak Integrated by Software
Q3757-14	VV039514.D	Vinyl Chloride-d3	JOHN	12/10/2025 9:02:28 AM	MMDadoda	12/10/2025 10:10:20 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV120325

Review By	John Carlone	Review On	12/4/2025 8:40:56 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:13:50 PM		
SubDirectory	VV120325	HP Acquire Method	MSVOA_V	HP Processing Method	SFAMVSIM120325MA.M

STD. NAME	STD REF.#
Tune/Reschk	VP136558
Initial Calibration Stds	VP136546,VP136547,VP136548,VP136549,VP136550,VP136551,
CCC	VP136553
Internal Standard/PEM	VP135611
ICV/I.BLK	VP136552
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB244	VV039444.D	03 Dec 2025 09:23	SY/MD	Ok
2	VSTD0.0269	VV039445.D	03 Dec 2025 09:55	SY/MD	Ok
3	VSTD0.0570	VV039446.D	03 Dec 2025 10:32	SY/MD	Ok
4	VSTD0.171	VV039447.D	03 Dec 2025 10:58	SY/MD	Ok
5	VSTD0.572	VV039448.D	03 Dec 2025 11:25	SY/MD	Ok
6	VSTD00173	VV039449.D	03 Dec 2025 11:52	SY/MD	Ok
7	VSTD00274	VV039450.D	03 Dec 2025 12:18	SY/MD	Ok
8	VSTDICV0.5	VV039451.D	03 Dec 2025 12:56	SY/MD	Ok
9	VV1203WBL01	VV039452.D	03 Dec 2025 13:50	SY/MD	Ok
10	Q3743-05	VV039453.D	03 Dec 2025 14:42	SY/MD	Ok
11	Q3743-01	VV039454.D	03 Dec 2025 15:03	SY/MD	Ok
12	Q3743-02	VV039455.D	03 Dec 2025 15:24	SY/MD	Ok
13	VSTDCCC0.5EC	VV039456.D	03 Dec 2025 15:59	SY/MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV120525

Review By	Semsettin Yesilyurt	Review On	12/7/2025 10:27:36 PM				
Supervise By	Mahesh Dadoda	Supervise On	12/8/2025 7:48:16 AM				
SubDirectory	VV120525	HP Acquire Method	MSVOA_V		HP Processing Method	SFAMVSIM120325MA.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136560
Initial Calibration Stds	
CCC	VP136556,VP136557
Internal Standard/PEM	VP136511
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB246	VV039472.D	05 Dec 2025 10:46	SY/MD	Ok
2	VSTDCCC0.5	VV039473.D	05 Dec 2025 11:47	SY/MD	Ok
3	VV1205WBL01	VV039474.D	05 Dec 2025 12:30	SY/MD	Ok
4	Q3757-02	VV039475.D	05 Dec 2025 13:16	SY/MD	ReRun
5	Q3757-06	VV039476.D	05 Dec 2025 13:37	SY/MD	ReRun
6	Q3757-08	VV039477.D	05 Dec 2025 14:16	SY/MD	Ok
7	Q3757-12	VV039478.D	05 Dec 2025 14:37	SY/MD	Ok
8	Q3757-04	VV039479.D	05 Dec 2025 14:59	SY/MD	Not Ok
9	VIBLK230	VV039480.D	05 Dec 2025 15:20	SY/MD	Ok
10	Q3757-10	VV039481.D	05 Dec 2025 15:47	SY/MD	Ok
11	Q3743-05	VV039482.D	05 Dec 2025 16:08	SY/MD	Not Ok
12	Q3756-12	VV039483.D	05 Dec 2025 16:29	SY/MD	Ok
13	VSTDCCC0.5EC	VV039484.D	05 Dec 2025 16:50	SY/MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV120925

Review By	John Carlone	Review On	12/10/2025 8:59:43 AM				
Supervise By	Mahesh Dadoda	Supervise On	12/10/2025 10:11:54 AM				
SubDirectory	VV120925	HP Acquire Method	sim_v		HP Processing Method	SFAMVSIM120325MA.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136595
Initial Calibration Stds	
CCC	VP136592,VP136593
Internal Standard/PEM	VP135611
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB248	VV039500.D	09 Dec 2025 12:56	SY/MD	Ok
2	VSTDCCC0.5	VV039501.D	09 Dec 2025 13:58	SY/MD	Ok
3	VV1209WBL01	VV039502.D	09 Dec 2025 14:29	SY/MD	Ok
4	Q3757-02	VV039503.D	09 Dec 2025 15:00	SY/MD	Ok
5	Q3757-06	VV039504.D	09 Dec 2025 15:21	SY/MD	Ok,M
6	Q3757-11	VV039505.D	09 Dec 2025 15:42	SY/MD	Ok
7	Q3787-08	VV039506.D	09 Dec 2025 16:03	SY/MD	Ok
8	Q3787-10	VV039507.D	09 Dec 2025 16:24	SY/MD	Ok
9	Q3787-12	VV039508.D	09 Dec 2025 16:45	SY/MD	Ok
10	Q3787-14	VV039509.D	09 Dec 2025 17:06	SY/MD	Ok
11	Q3787-16	VV039510.D	09 Dec 2025 17:27	SY/MD	Ok,M
12	Q3787-18	VV039511.D	09 Dec 2025 17:48	SY/MD	Ok,M
13	Q3787-20	VV039512.D	09 Dec 2025 18:09	SY/MD	Ok,M
14	VIBLK234	VV039513.D	09 Dec 2025 18:30	SY/MD	Ok,M
15	Q3757-14	VV039514.D	09 Dec 2025 18:51	SY/MD	Ok,M
16	VSTDCCC0.5EC	VV039515.D	09 Dec 2025 19:12	SY/MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV120325

Review By	John Carlone	Review On	12/4/2025 8:40:56 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:13:50 PM		
SubDirectory	VV120325	HP Acquire Method	MSVOA_V	HP Processing Method	SFAMVSIM120325MA.M

STD. NAME	STD REF.#
Tune/Reschk	VP136558
Initial Calibration Stds	VP136546,VP136547,VP136548,VP136549,VP136550,VP136551,
CCC	VP136553
Internal Standard/PEM	VP135611
ICV/I.BLK	VP136552
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB244	BFB244	VV039444.D	03 Dec 2025 09:23		SY/MD	Ok
2	VSTD0.0269	VSTD0.02269	VV039445.D	03 Dec 2025 09:55	added NEW-low level	SY/MD	Ok
3	VSTD0.0570	VSTD0.05270	VV039446.D	03 Dec 2025 10:32		SY/MD	Ok
4	VSTD0.171	VSTD0.1271	VV039447.D	03 Dec 2025 10:58	SFAM -sim-method	SY/MD	Ok
5	VSTD0.572	VSTD0.5272	VV039448.D	03 Dec 2025 11:25	Modified for analyte-1122-tetrachloroethane	SY/MD	Ok
6	VSTD00173	VSTD001273	VV039449.D	03 Dec 2025 11:52	pH#lot#v14222	SY/MD	Ok
7	VSTD00274	VSTD002274	VV039450.D	03 Dec 2025 12:18		SY/MD	Ok
8	VSTDICV0.5	VICV275	VV039451.D	03 Dec 2025 12:56		SY/MD	Ok
9	VV1203WBL01	VBLK234	VV039452.D	03 Dec 2025 13:50		SY/MD	Ok
10	Q3743-05	TB	VV039453.D	03 Dec 2025 14:42	pH#1.0 B,TB	SY/MD	Ok
11	Q3743-01	TW-1125-1	VV039454.D	03 Dec 2025 15:03	pH#1.0 C	SY/MD	Ok
12	Q3743-02	TW-1125-2	VV039455.D	03 Dec 2025 15:24	pH#1.0 C	SY/MD	Ok
13	VSTDCCC0.5EC	VSTD0.5332	VV039456.D	03 Dec 2025 15:59		SY/MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV120525

Review By	Semsettin Yesilyurt	Review On	12/7/2025 10:27:36 PM		
Supervise By	Mahesh Dadoda	Supervise On	12/8/2025 7:48:16 AM		
SubDirectory	VV120525	HP Acquire Method	MSVOA_V	HP Processing Method	SFAMVSIM120325MA.M

STD. NAME	STD REF.#
Tune/Reschk	VP136560
Initial Calibration Stds	
CCC	VP136556,VP136557
Internal Standard/PEM	VP136511
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB246	BFB246	VV039472.D	05 Dec 2025 10:46		SY/MD	Ok
2	VSTDCCC0.5	VSTD0.5335	VV039473.D	05 Dec 2025 11:47		SY/MD	Ok
3	VV1205WBL01	VBLK236	VV039474.D	05 Dec 2025 12:30		SY/MD	Ok
4	Q3757-02	MW-14A-17.5-120325-S	VV039475.D	05 Dec 2025 13:16	Surrogate Fail	SY/MD	ReRun
5	Q3757-06	MW-14B-46-120325-SI	VV039476.D	05 Dec 2025 13:37	Surrogate Fail;Internal Standard Fail	SY/MD	ReRun
6	Q3757-08	RMW-05B-90.5-120325	VV039477.D	05 Dec 2025 14:16	pH#1.0 A	SY/MD	Ok
7	Q3757-12	TB01-120325	VV039478.D	05 Dec 2025 14:37	TB	SY/MD	Ok
8	Q3757-04	BR-03D-490-120325-SI	VV039479.D	05 Dec 2025 14:59	Sim analysis not required	SY/MD	Not Ok
9	VIBLK230	VIBLK230	VV039480.D	05 Dec 2025 15:20		SY/MD	Ok
10	Q3757-10	OW-05B-72-120325-SI	VV039481.D	05 Dec 2025 15:47	pH#1.0 A	SY/MD	Ok
11	Q3743-05	TB	VV039482.D	05 Dec 2025 16:08	Already analyzed	SY/MD	Not Ok
12	Q3756-12	VHBLK001	VV039483.D	05 Dec 2025 16:29	SB	SY/MD	Ok
13	VSTDCCC0.5EC	VSTD0.5336	VV039484.D	05 Dec 2025 16:50		SY/MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV120925

Review By	John Carlone	Review On	12/10/2025 8:59:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/10/2025 10:11:54 AM		
SubDirectory	VV120925	HP Acquire Method	sim_v	HP Processing Method	SFAMVSIM120325MA.M

STD. NAME	STD REF.#
Tune/Reschk	VP136595
Initial Calibration Stds	
CCC	VP136592,VP136593
Internal Standard/PEM	VP135611
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB248	BFB248	VV039500.D	09 Dec 2025 12:56		SY/MD	Ok
2	VSTDCCC0.5	VSTD0.5339	VV039501.D	09 Dec 2025 13:58	pH#lot#v14222	SY/MD	Ok
3	VV1209WBL01	VBLK238	VV039502.D	09 Dec 2025 14:29		SY/MD	Ok
4	Q3757-02	MW-14A-17.5-120325-S	VV039503.D	09 Dec 2025 15:00	pH#1.0 B	SY/MD	Ok
5	Q3757-06	MW-14B-46-120325-SI	VV039504.D	09 Dec 2025 15:21	pH#1.0 B	SY/MD	Ok,M
6	Q3757-11	EB01-120325	VV039505.D	09 Dec 2025 15:42	EB	SY/MD	Ok
7	Q3787-08	OWBR-02-170-120425-	VV039506.D	09 Dec 2025 16:03	pH#1.0 A	SY/MD	Ok
8	Q3787-10	OWBR-02-170-120425-	VV039507.D	09 Dec 2025 16:24	pH#1.0 A	SY/MD	Ok
9	Q3787-12	OW-03B-51.5-120425-S	VV039508.D	09 Dec 2025 16:45	pH#1.0 A	SY/MD	Ok
10	Q3787-14	OW-03B-51.5-120425-S	VV039509.D	09 Dec 2025 17:06	pH#1.0 A	SY/MD	Ok
11	Q3787-16	OW-08B-72.5-120425-S	VV039510.D	09 Dec 2025 17:27	pH#1.0 A	SY/MD	Ok,M
12	Q3787-18	OW-08B-72.5-120425-S	VV039511.D	09 Dec 2025 17:48	pH#1.0 A	SY/MD	Ok,M
13	Q3787-20	OW-02B-21.2-120425-S	VV039512.D	09 Dec 2025 18:09	pH#1.0 A	SY/MD	Ok,M
14	VIBLK234	VIBLK234	VV039513.D	09 Dec 2025 18:30		SY/MD	Ok,M
15	Q3757-14	VHBLK001	VV039514.D	09 Dec 2025 18:51	pH#1.0 A ,SB	SY/MD	Ok,M
16	VSTDCCC0.5EC	VSTD0.5340	VV039515.D	09 Dec 2025 19:12		SY/MD	Ok

M : Manual Integration

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

LAB CHRONICLE

OrderID:	Q3757	**OrderDate:**	12/3/2025 9:25:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	--Select--,A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3757-01	**MW-14A-17.5-120325**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/05/25	
Q3757-02	**MW-14A-17.5-120325-SIM**	**Water**			**12/03/25**			**12/03/25**
			VOC-SIM	SFAM_VOCSIM			12/09/25	
Q3757-03	**BR-03D-490-120325**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/05/25	
Q3757-05	**MW-14B-46-120325**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/05/25	
Q3757-05RE	**MW-14B-46-120325RE**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/08/25	
Q3757-06	**MW-14B-46-120325-SIM**	**Water**			**12/03/25**			**12/03/25**
			VOC-SIM	SFAM_VOCSIM			12/09/25	
Q3757-07	**RMW-05B-90.5-120325**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/05/25	
Q3757-08	**RMW-05B-90.5-120325-SIM**	**Water**			**12/03/25**			**12/03/25**
			VOC-SIM	SFAM_VOCSIM			12/05/25	
Q3757-09	**OW-05B-72-120325**	**Water**			**12/03/25**			**12/03/25**
			VOCMS Group3	8260-Low			12/05/25	

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

LAB CHRONICLE

Q3757-09RE	**OW-05B-72-120325RE**	**Water**		**12/03/25**		**12/03/25**
			VOCMS Group3	8260-Low	12/08/25	
Q3757-10	**OW-05B-72-120325-SIM**	**Water**		**12/03/25**		**12/03/25**
			VOC-SIM	SFAM_VOCSIM	12/05/25	
Q3757-11	**EB01-120325**	**Water**		**12/03/25**		**12/03/25**
			VOCMS Group3	8260-Low	12/04/25	
			VOC-SIM	SFAM_VOCSIM	12/09/25	
Q3757-12	**TB01-120325**	**Water**		**12/03/25**		**12/03/25**
			VOCMS Group3	8260-Low	12/04/25	
			VOC-SIM	SFAM_VOCSIM	12/05/25	
Q3757-14	**VHBLK001**	**Water**		**12/03/25**		**12/03/25**
			VOC-SIM	SFAM_VOCSIM	12/09/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3757

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : BR-03D-490-120325								
Q3757-03	BR-03D-490-120325	WATER	1,4-Dioxane	20.800	E	0.07	0.22	ug/L
			Total Svoc :			**20.80**		
			Total Concentration:			**20.80**		
Client ID : BR-03D-490-120325DL								
Q3757-03DL	BR-03D-490-120325DL	WATER	1,4-Dioxane	24.100	D	0.73	2.2	ug/L
			Total Svoc :			**24.10**		
			Total Concentration:			**24.10**		
Client ID : OW-05B-72-120325								
Q3757-09	OW-05B-72-120325	WATER	1,4-Dioxane	1.100		0.07	0.21	ug/L
			Total Svoc :			**1.10**		
			Total Concentration:			**1.10**		

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	MW-14A-17.5-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-01	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	890 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.070	U	1	0.070	0.22	ug/L	12/06/25 05:11	PB170838
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.28			30 (47) - 150 (106)	70%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.43			30 (54) - 150 (157)	108%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.33			30 (56) - 130 (116)	82%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.35			30 (50) - 130 (126)	87%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.48			30 (54) - 130 (175)	120%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	6820							
1146-65-2	Naphthalene-d8	19700							
15067-26-2	Acenaphthene-d10	9390							
1517-22-2	Phenanthrene-d10	14400							
1719-03-5	Chrysene-d12	11300							
1520-96-3	Perylene-d12	11300							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	BR-03D-490-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-03	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	910 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	20.8	E	1	0.070	0.22	ug/L	12/11/25 12:25	PB170838
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.31			30 (47) - 150 (106)	77%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.37			30 (54) - 150 (157)	92%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.34			30 (56) - 130 (116)	86%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.33			30 (50) - 130 (126)	82%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.43			30 (54) - 130 (175)	107%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	7420							
1146-65-2	Naphthalene-d8	20100							
15067-26-2	Acenaphthene-d10	10700							
1517-22-2	Phenanthrene-d10	20000							
1719-03-5	Chrysene-d12	14300							
1520-96-3	Perylene-d12	14600							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	BR-03D-490-120325DL	SDG No.:	Q3757
Lab Sample ID:	Q3757-03DL	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	910 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	24.1	D	10	0.73	2.20	ug/L	12/12/25 01:49	PB170838
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.34			30 (47) - 150 (106)	85%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.42			30 (54) - 150 (157)	105%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.35			30 (56) - 130 (116)	88%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.41			30 (50) - 130 (126)	102%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.72	*		30 (54) - 130 (175)	180%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	4720							
1146-65-2	Naphthalene-d8	12800							
15067-26-2	Acenaphthene-d10	6800							
1517-22-2	Phenanthrene-d10	13100							
1719-03-5	Chrysene-d12	10100							
1520-96-3	Perylene-d12	10200							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	MW-14B-46-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-05	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	920 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.070	U	1	0.070	0.22	ug/L	12/11/25 13:01	PB170838
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.33			30 (47) - 150 (106)	83%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.42			30 (54) - 150 (157)	106%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			30 (56) - 130 (116)	90%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.34			30 (50) - 130 (126)	84%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.44			30 (54) - 130 (175)	109%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	5540							
1146-65-2	Naphthalene-d8	15300							
15067-26-2	Acenaphthene-d10	7970							
1517-22-2	Phenanthrene-d10	14800							
1719-03-5	Chrysene-d12	12300							
1520-96-3	Perylene-d12	11100							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	RMW-05B-90.5-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-07	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	970 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.070	U	1	0.070	0.21	ug/L	12/11/25 13:38	PB170838
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.32			30 (47) - 150 (106)	79%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.43			30 (54) - 150 (157)	106%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			30 (56) - 130 (116)	90%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.34			30 (50) - 130 (126)	84%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.46			30 (54) - 130 (175)	114%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	5200							
1146-65-2	Naphthalene-d8	14300							
15067-26-2	Acenaphthene-d10	7400							
1517-22-2	Phenanthrene-d10	13200							
1719-03-5	Chrysene-d12	10500							
1520-96-3	Perylene-d12	10400							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	OW-05B-72-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-09	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	950 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	1.10		1	0.070	0.21	ug/L	12/11/25 14:14	PB170838
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.29			30 (47) - 150 (106)	72%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.39			30 (54) - 150 (157)	97%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.34			30 (56) - 130 (116)	86%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.30			30 (50) - 130 (126)	76%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.44			30 (54) - 130 (175)	109%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	5450							
1146-65-2	Naphthalene-d8	14400							
15067-26-2	Acenaphthene-d10	7360							
1517-22-2	Phenanthrene-d10	13300							
1719-03-5	Chrysene-d12	10400							
1520-96-3	Perylene-d12	10500							

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:	12/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/03/25
Client Sample ID:	EB01-120325	SDG No.:	Q3757
Lab Sample ID:	Q3757-11	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	870 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.080	U	1	0.080	0.23	ug/L	12/11/25 14:50	PB170838
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.29			30 (47) - 150 (106)	73%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.40			30 (54) - 150 (157)	100%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			30 (56) - 130 (116)	90%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.29			30 (50) - 130 (126)	73%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.50			30 (54) - 130 (175)	125%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	5460							
1146-65-2	Naphthalene-d8	14100							
15067-26-2	Acenaphthene-d10	7230							
1517-22-2	Phenanthrene-d10	13000							
1719-03-5	Chrysene-d12	10000							
1520-96-3	Perylene-d12	10200							

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.: Q3757

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
PB170838BL	PB170838BL	2-Methylnaphthalene-d10	0.4	0.31	78		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.40	99		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	91		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.38	95		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.35	87		30 (54)	130 (175)
PB170838BS	PB170838BS	2-Methylnaphthalene-d10	0.4	0.40	100		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.42	104		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.42	106		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.47	118		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.36	91		30 (54)	130 (175)
PB170838BSD	PB170838BSD	2-Methylnaphthalene-d10	0.4	0.34	84		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.39	97		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.37	91		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.40	101		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.34	84		30 (54)	130 (175)
Q3757-01	MW-14A-17.5-120325	2-Methylnaphthalene-d10	0.4	0.28	70		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.43	108		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	82		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.35	87		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.48	120		30 (54)	130 (175)
Q3757-03	BR-03D-490-120325	2-Methylnaphthalene-d10	0.4	0.31	77		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.37	92		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.34	86		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.33	82		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.43	107		30 (54)	130 (175)
Q3757-03DL	BR-03D-490-120325DL	2-Methylnaphthalene-d10	0.4	0.34	85		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.42	105		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.35	88		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.41	102		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.72	180	*	30 (54)	130 (175)
Q3757-05	MW-14B-46-120325	2-Methylnaphthalene-d10	0.4	0.33	83		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.42	106		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.34	84		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.44	109		30 (54)	130 (175)
Q3757-07	RMW-05B-90.5-120325	2-Methylnaphthalene-d10	0.4	0.32	79		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.43	106		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.34	84		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.46	114		30 (54)	130 (175)
Q3757-09	OW-05B-72-120325	2-Methylnaphthalene-d10	0.4	0.29	72		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.39	97		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.34	86		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.30	76		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.44	109		30 (54)	130 (175)
Q3757-11	EB01-120325	2-Methylnaphthalene-d10	0.4	0.29	73		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.40	100		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.29	73		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.50	125		30 (54)	130 (175)

( ) = 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.: Q3757 **Analytical Method:** 8270-Modified

Client: JACOBS Engineering Group, Inc. **DataFile:** BN038289.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170838BS	1,4-Dioxane	0.4	0.33	ug/L	83				20 (65)	160 (116)	

( ) = 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.: Q3757 **Analytical Method:** 8270-Modified

Client: JACOBS Engineering Group, Inc. **DataFile:** BN038290.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170838BSD	1,4-Dioxane	0.4	0.31	ug/L	78	6			20 (65)	160 (116)	20 (27)

( ) = 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: PB170838BL

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3757

Lab File ID: BN038288.D | Lab Sample ID: PB170838BL

Instrument ID: BNA_N | Date Extracted: 12/05/2025

Matrix: (soil/water) Water | Date Analyzed: 12/06/2025

Level: (low/med) LOW | Time Analyzed: 00:19

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170838BS	PB170838BS	BN038289.D	12/06/2025
PB170838BSD	PB170838BSD	BN038290.D	12/06/2025
MW-14A-17.5-120325	Q3757-01	BN038296.D	12/06/2025
BR-03D-490-120325	Q3757-03	BN038313.D	12/11/2025
MW-14B-46-120325	Q3757-05	BN038314.D	12/11/2025
RMW-05B-90.5-120325	Q3757-07	BN038315.D	12/11/2025
OW-05B-72-120325	Q3757-09	BN038316.D	12/11/2025
EB01-120325	Q3757-11	BN038317.D	12/11/2025

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.: Q3757

Lab File ID: BN038211.D DFTPP Injection Date: 11/26/2025

Instrument ID: BNA_N DFTPP Injection Time: 19:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.7
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	6.6
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.5
442	Greater than 50% of mass 198	90.9
443	15.0 - 24.0% of mass 442	18.4 (20.3) 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
SSTDICC0.1	SSTDICC0.1	BN038212.D	11/26/2025	20:35
SSTDICC0.2	SSTDICC0.2	BN038213.D	11/26/2025	21:12
SSTDICCC0.4	SSTDICCC0.4	BN038214.D	11/26/2025	21:48
SSTDICC0.8	SSTDICC0.8	BN038215.D	11/26/2025	22:25
SSTDICC1.6	SSTDICC1.6	BN038216.D	11/26/2025	23:01
SSTDICC3.2	SSTDICC3.2	BN038217.D	11/26/2025	23:37
SSTDICC5.0	SSTDICC5.0	BN038218.D	11/27/2025	00:13

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.: Q3757

Lab File ID: BN038286.D DFTPP Injection Date: 12/05/2025

Instrument ID: BNA_N DFTPP Injection Time: 22:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.8 (2) 1
69	Mass 69 relative abundance	41.1
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	6.7
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	86.9
443	15.0 - 24.0% of mass 442	15.2 (17.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN038287.D	12/05/2025	23:42
PB170838BL	PB170838BL	BN038288.D	12/06/2025	00:19
PB170838BS	PB170838BS	BN038289.D	12/06/2025	00:55
PB170838BSD	PB170838BSD	BN038290.D	12/06/2025	01:32
MW-14A-17.5-120325	Q3757-01	BN038296.D	12/06/2025	05:11

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.: Q3757

Lab File ID: BN038297.D DFTPP Injection Date: 12/10/2025

Instrument ID: BNA_N DFTPP Injection Time: 09:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	37.2
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	6.6
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	92.6
443	15.0 - 24.0% of mass 442	16.9 (18.2) 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	BN038298.D	12/10/2025	09:52
SSTDICC0.2	SSTDICC0.2	BN038299.D	12/10/2025	10:28
SSTDICCC0.4	SSTDICCC0.4	BN038300.D	12/10/2025	11:05
SSTDICC0.8	SSTDICC0.8	BN038301.D	12/10/2025	11:41
SSTDICC1.6	SSTDICC1.6	BN038302.D	12/10/2025	12:17
SSTDICC3.2	SSTDICC3.2	BN038303.D	12/10/2025	12:53
SSTDICC5.0	SSTDICC5.0	BN038304.D	12/10/2025	13:30

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.: Q3757

Lab File ID: BN038310.D DFTPP Injection Date: 12/11/2025

Instrument ID: BNA_N DFTPP Injection Time: 10:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.2) 1
69	Mass 69 relative abundance	36.8
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	6.6
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13
442	Greater than 50% of mass 198	87.3
443	15.0 - 24.0% of mass 442	16.6 (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	BN038311.D	12/11/2025	11:13
BR-03D-490-120325	Q3757-03	BN038313.D	12/11/2025	12:25
MW-14B-46-120325	Q3757-05	BN038314.D	12/11/2025	13:01
RMW-05B-90.5-120325	Q3757-07	BN038315.D	12/11/2025	13:38
OW-05B-72-120325	Q3757-09	BN038316.D	12/11/2025	14:14
EB01-120325	Q3757-11	BN038317.D	12/11/2025	14:50

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.: Q3757

Lab File ID: BN038329.D DFTPP Injection Date: 12/11/2025

Instrument ID: BNA_N DFTPP Injection Time: 23:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.1
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	3.7
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	95.1
443	15.0 - 24.0% of mass 442	18.9 (19.9) 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	BN038330.D	12/11/2025	23:59
BR-03D-490-120325DL	Q3757-03DL	BN038333.D	12/12/2025	01:49

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.: Q3757

Client ID : SSTDCCC0.4 Date Analyzed: 12/05/2025

Lab File ID: BN038287.D Time Analyzed: 23:42

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	6906	7.761	20829	10.56	10600	14.42
	UPPER LIMIT	13812	8.261	41658	11.062	21200	14.92
	LOWER LIMIT	3453	7.261	10414.5	10.062	5300	13.92
	EPA SAMPLE NO.						
01	PB170838BL	7136	7.76	19157	10.56	8410	14.43
02	PB170838BS	7065	7.76	18764	10.56	7890	14.42
03	PB170838BSD	6710	7.76	17808	10.56	7711	14.42
04	MW-14A-17.5-120325	6821	7.76	19695	10.56	9392	14.42

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.: Q3757

Client ID: SSTDCCC0.4 Date Analyzed: 12/05/2025

Lab File ID: BN038287.D Time Analyzed: 23:42

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	14873	17.173	9751	21.367	10410	23.668
	UPPER LIMIT	29746	17.673	19502	21.867	20820	24.168
	LOWER LIMIT	7436.5	16.673	4875.5	20.867	5205	23.168
	EPA SAMPLE NO.						
01	PB170838BL	11693	17.19	9196	21.38	9718	23.68
02	PB170838BS	11230	17.17	9380	21.37	9467	23.67
03	PB170838BSD	11030	17.17	9170	21.37	9318	23.67
04	MW-14A-17.5-120325	14431	17.17	11258	21.37	11337	23.67

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.: Q3757

Client ID : SSTDCCC0.4 Date Analyzed: 12/11/2025

Lab File ID: BN038311.D Time Analyzed: 11:13

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	6458	7.724	17315	10.53	8838	14.40
	UPPER LIMIT	12916	8.224	34630	11.03	17676	14.898
	LOWER LIMIT	3229	7.224	8657.5	10.03	4419	13.898
	EPA SAMPLE NO.						
01	BR-03D-490-120325	7415	7.72	20111	10.53	10732	14.40
02	MW-14B-46-120325	5537	7.72	15261	10.53	7974	14.40
03	RMW-05B-90.5-120325	5204	7.72	14267	10.53	7400	14.40
04	OW-05B-72-120325	5450	7.72	14372	10.53	7355	14.40
05	EB01-120325	5459	7.72	14139	10.53	7229	14.40

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.: Q3757

Client ID: SSTDCCC0.4 Date Analyzed: 12/11/2025

Lab File ID: BN038311.D Time Analyzed: 11:13

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	16176	17.148	12783	21.348	13576	23.639
	UPPER LIMIT	32352	17.648	25566	21.848	27152	24.139
	LOWER LIMIT	8088	16.648	6391.5	20.848	6788	23.139
	EPA SAMPLE NO.						
01	BR-03D-490-120325	19954	17.15	14276	21.35	14578	23.64
02	MW-14B-46-120325	14786	17.15	12326	21.35	11109	23.64
03	RMW-05B-90.5-120325	13201	17.15	10541	21.35	10399	23.64
04	OW-05B-72-120325	13319	17.15	10405	21.35	10487	23.64
05	EB01-120325	13027	17.15	10027	21.35	10159	23.64

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.: Q3757

Client ID : SSTDCCC0.4 Date Analyzed: 12/11/2025

Lab File ID: BN038330.D Time Analyzed: 23:59

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	5325	7.724	14404	10.52	7509	14.39
	UPPER LIMIT	10650	8.224	28808	11.019	15018	14.887
	LOWER LIMIT	2662.5	7.224	7202	10.019	3754.5	13.887
	EPA SAMPLE NO.						
01	BR-03D-490-120325DL	4723	7.72	12829	10.53	6799	14.40

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.: Q3757

Client ID: SSTDCCC0.4 Date Analyzed: 12/11/2025

Lab File ID: BN038330.D Time Analyzed: 23:59

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	13836	17.148	10979	21.339	11587	23.63
	UPPER LIMIT	27672	17.648	21958	21.839	23174	24.13
	LOWER LIMIT	6918	16.648	5489.5	20.839	5793.5	23.13
	EPA SAMPLE NO.						
01	BR-03D-490-120325DL	13086	17.15	10141	21.34	10159	23.63

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:	PB170838BL	SDG No.:	Q3757
Lab Sample ID:	PB170838BL	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.070	U	1	0.070	0.20	ug/L	12/06/25 00:19	PB170838
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.31			30 (47) - 150 (106)	78%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.40			30 (54) - 150 (157)	99%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.36			30 (56) - 130 (116)	91%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.38			30 (50) - 130 (126)	95%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.35			30 (54) - 130 (175)	87%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	7140							
1146-65-2	Naphthalene-d8	19200							
15067-26-2	Acenaphthene-d10	8410							
1517-22-2	Phenanthrene-d10	11700							
1719-03-5	Chrysene-d12	9200							
1520-96-3	Perylene-d12	9720							

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:	PB170838BS	SDG No.:	Q3757
Lab Sample ID:	PB170838BS	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.33		1	0.070	0.20	ug/L	12/06/25 00:55	PB170838
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.40			30 (47) - 150 (106)	100%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.42			30 (54) - 150 (157)	104%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.42			30 (56) - 130 (116)	106%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.47			30 (50) - 130 (126)	118%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.36			30 (54) - 130 (175)	91%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	7070							
1146-65-2	Naphthalene-d8	18800							
15067-26-2	Acenaphthene-d10	7890							
1517-22-2	Phenanthrene-d10	11200							
1719-03-5	Chrysene-d12	9380							
1520-96-3	Perylene-d12	9470							

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:	PB170838BSD	SDG No.:	Q3757
Lab Sample ID:	PB170838BSD	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.31		1	0.070	0.20	ug/L	12/06/25 01:32	PB170838
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.34			30 (47) - 150 (106)	84%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.39			30 (54) - 150 (157)	97%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.37			30 (56) - 130 (116)	91%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.40			30 (50) - 130 (126)	101%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.34			30 (54) - 130 (175)	84%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	6710							
1146-65-2	Naphthalene-d8	17800							
15067-26-2	Acenaphthene-d10	7710							
1517-22-2	Phenanthrene-d10	11000							
1719-03-5	Chrysene-d12	9170							
1520-96-3	Perylene-d12	9320							

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-BN112725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Nov 28 21:04:10 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN038212.D 0.2 =BN038213.D 0.4 =BN038214.D 0.8 =BN038215.D 1.6 =BN038216.D 3.2 =BN038217.D 5 =BN038218.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		0.484	0.448	0.396	0.423	0.399	0.378	0.421	9.29
3)		n-Nitrosodimet...		0.488	0.543	0.513	0.536	0.528	0.510	0.520	3.87
4)	S	2-Fluorophenol	1.008	0.930	0.992	0.881	0.925	0.915	0.892	0.935	5.14
5)	S	Phenol-d6	1.180	1.103	1.215	1.099	1.187	1.203	1.191	1.168	4.05
6)		bis(2-Chloroet...	1.066	1.118	1.188	1.086	1.152	1.130	1.088	1.118	3.79
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.370	0.314	0.310	0.304	0.321	0.309	0.311	0.320	7.07
9)		Naphthalene	1.152	1.102	1.153	1.075	1.118	1.093	1.082	1.111	2.87
10)		Hexachlorobuta...	0.203	0.192	0.200	0.182	0.188	0.180	0.177	0.189	5.29
11)	SURR	2-Methylnaphth...	0.535	0.548	0.588	0.558	0.584	0.584	0.579	0.568	3.70
12)		2-Methylnaphth...	0.696	0.697	0.760	0.718	0.754	0.750	0.741	0.731	3.68
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.106	0.100	0.123	0.122	0.139	0.165		0.126	18.76
15)	S	2-Fluorobiphenyl	1.620	1.549	1.590	1.546	1.578	1.474	1.459	1.545	3.85
16)		Acenaphthylene	1.756	1.685	1.801	1.702	1.830	1.866	1.880	1.789	4.31
17)		Acenaphthene	1.244	1.208	1.292	1.198	1.263	1.262	1.261	1.247	2.66
18)		Fluorene	1.544	1.442	1.650	1.571	1.680	1.708	1.703	1.614	6.13
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.021	0.026	0.031	0.044	0.059	0.071	0.042	46.82
21)		4-Bromophenyl-...	0.268	0.268	0.285	0.268	0.287	0.284	0.280	0.277	3.19
22)		Hexachlorobenzene	0.377	0.366	0.358	0.320	0.337	0.319	0.307	0.341	7.87
23)		Atrazine	0.165	0.157	0.175	0.164	0.181	0.198	0.200	0.177	9.46
24)		Pentachlorophenol		0.090	0.084	0.080	0.096	0.117		0.093	15.54
25)		Phenanthrene	1.247	1.207	1.311	1.202	1.270	1.293	1.259	1.256	3.24
26)		Anthracene	0.996	0.998	1.068	1.016	1.100	1.156	1.166	1.071	6.73
27)	SURR	Fluoranthene-d10	0.853	0.845	0.890	0.817	0.864	0.906	0.900	0.868	3.76
28)		Fluoranthene	1.174	1.147	1.227	1.146	1.230	1.281	1.266	1.210	4.55
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	2.066	1.804	2.087	1.972	1.973	2.077	2.006	1.998	4.91
31)	S	Terphenyl-d14	0.903	0.847	0.962	0.906	0.927	0.972	0.949	0.924	4.65
32)		Benzo(a)anthra...	1.321	1.271	1.368	1.320	1.373	1.421	1.409	1.355	3.94
33)		Chrysene	1.742	1.639	1.661	1.517	1.597	1.541	1.494	1.599	5.53
34)		Bis(2-ethylhex...		0.780	0.801	0.700	0.682	0.740	0.746	0.742	6.12
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN112725.M

36)		Indeno(1,2,3-c...	1.747	1.715	1.875	1.736	1.962	1.963	1.960	1.851	6.24
37)		Benzo(b)fluora...	1.563	1.555	1.703	1.586	1.675	1.721	1.690	1.642	4.32
38)		Benzo(k)fluora...	1.627	1.639	1.758	1.658	1.749	1.776	1.742	1.707	3.69
39)	C	Benzo(a)pyrene	1.414	1.284	1.386	1.316	1.403	1.414	1.417	1.376	3.93
40)		Dibenzo(a,h)an...	1.264	1.234	1.379	1.349	1.512	1.541	1.531	1.401	9.14
41)		Benzo(g,h,i)pe...	1.722	1.586	1.721	1.617	1.720	1.687	1.670	1.674	3.25

(#) = Out of Range

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN121025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 10 13:56:50 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN038298.D 0.2 =BN038299.D 0.4 =BN038300.D 0.8 =BN038301.D 1.6 =BN038302.D 3.2 =BN038303.D 5 =BN038304.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		0.506	0.465	0.443	0.442	0.456	0.440	0.459	5.48
3)		n-Nitrosodimet...		0.568	0.572	0.568	0.577	0.590	0.574	0.575	1.42
4)	S	2-Fluorophenol	0.954	1.034	0.988	0.981	0.978	1.020	1.019	0.996	2.88
5)	S	Phenol-d6	1.098	1.157	1.151	1.158	1.186	1.263	1.277	1.184	5.44
6)		bis(2-Chloroet...	1.156	1.171	1.166	1.149	1.144	1.176	1.147	1.158	1.10
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.325	0.324	0.329	0.332	0.334	0.358	0.359	0.337	4.38
9)		Naphthalene	1.174	1.185	1.168	1.155	1.159	1.231	1.205	1.182	2.30
10)		Hexachlorobuta...	0.218	0.213	0.210	0.207	0.205	0.212	0.206	0.210	2.24
11)	SURR	2-Methylnaphth...	0.543	0.548	0.549	0.554	0.559	0.598	0.599	0.564	4.23
12)		2-Methylnaphth...	0.722	0.735	0.731	0.737	0.747	0.794	0.789	0.751	3.85
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.167	0.163	0.167	0.169	0.175	0.197	0.205	0.177	9.30
15)	S	2-Fluorobiphenyl	1.940	1.951	1.974	1.838	1.897	2.070	1.819	1.927	4.45
16)		Acenaphthylene	1.890	1.885	1.903	1.918	1.931	2.131	2.092	1.964	5.21
17)		Acenaphthene	1.311	1.329	1.342	1.351	1.358	1.460	1.430	1.369	4.01
18)		Fluorene	1.790	1.706	1.707	1.735	1.727	1.858	1.802	1.761	3.24
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.054	0.057	0.064	0.069	0.085		0.066	18.62
21)		4-Bromophenyl-...	0.288	0.291	0.287	0.291	0.293	0.310	0.318	0.297	4.12
22)		Hexachlorobenzene	0.370	0.366	0.350	0.350	0.347	0.358	0.357	0.357	2.40
23)		Atrazine	0.184	0.196	0.190	0.197	0.200	0.221	0.229	0.202	8.11
24)		Pentachlorophenol		0.124	0.121	0.126	0.134	0.156	0.174	0.139	15.30
25)		Phenanthrene	1.412	1.373	1.363	1.350	1.353	1.439	1.456	1.392	3.12
26)		Anthracene	1.149	1.119	1.141	1.184	1.186	1.300	1.323	1.200	6.67
27)	SURR	Fluoranthene-d10	0.928	0.947	0.984	0.983	0.984	1.045	1.053	0.989	4.66
28)		Fluoranthene	1.419	1.413	1.459	1.466	1.473	1.562	1.566	1.480	4.17
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	2.038	1.968	1.920	1.909	1.890	2.022	2.037	1.969	3.25
31)	S	Terphenyl-d14	0.913	0.917	0.881	0.879	0.863	0.893	0.903	0.893	2.20
32)		Benzo(a)anthra...	1.476	1.537	1.479	1.501	1.513	1.638	1.672	1.545	5.08
33)		Chrysene	1.653	1.712	1.721	1.709	1.674	1.745	1.697	1.701	1.79
34)		Bis(2-ethylhex...		1.002	0.845	0.779	0.754	0.828	0.879	0.848	10.38
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN121025.M

36)		Indeno(1,2,3-c...	1.813	2.040	2.122	2.116	2.115	2.321	2.330	2.123	8.27
37)		Benzo(b)fluora...	1.673	1.831	1.783	1.776	1.827	1.987	1.984	1.837	6.18
38)		Benzo(k)fluora...	1.597	1.793	1.796	1.812	1.823	2.006	1.994	1.832	7.57
39)	C	Benzo(a)pyrene	1.355	1.459	1.469	1.459	1.479	1.640	1.663	1.503	7.27
40)		Dibenzo(a,h)an...	1.396	1.521	1.619	1.624	1.651	1.823	1.822	1.637	9.37
41)		Benzo(g,h,i)pe...	1.622	1.816	1.812	1.806	1.818	1.966	1.964	1.829	6.34

(#) = 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.:	Q3757
Instrument ID:	BNA_N	Calibration Date/Time:	12/05/2025 23:42
Lab File ID:	BN038287.D	Init. Calib. Date(s):	11/26/2025 11/27/2025
EPA Sample No.:	SSTDCCC0.4	Init. Calib. Time(s):	20:35 00:13

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.568	0.582		2.5	20.0
Fluoranthene-d10	0.868	0.874		0.7	20.0
2-Fluorophenol	0.935	0.980		4.8	20.0
Phenol-d6	1.168	1.224		4.8	20.0
Nitrobenzene-d5	0.320	0.314		-1.9	20.0
2-Fluorobiphenyl	1.545	1.760		13.9	20.0
2,4,6-Tribromophenol	0.126	0.118		-6.3	20.0
Terphenyl-d14	0.924	0.838		-9.3	20.0
1,4-Dioxane	0.421	0.446		5.9	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.: Q3757

Instrument ID: BNA_N Calibration Date/Time: 12/11/2025 11:13

Lab File ID: BN038311.D Init. Calib. Date(s): 12/10/2025 12/10/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:52 13:30

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.564	0.555		-1.6	20.0
Fluoranthene-d10	0.990	0.982		-0.8	20.0
2-Fluorophenol	0.996	0.953		-4.3	20.0
Phenol-d6	1.184	1.124		-5.1	20.0
Nitrobenzene-d5	0.337	0.321		-4.7	20.0
2-Fluorobiphenyl	1.914	1.827		-4.5	20.0
2,4,6-Tribromophenol	0.177	0.162		-8.5	20.0
Terphenyl-d14	0.893	0.857		-4.0	20.0
1,4-Dioxane	0.459	0.465		1.3	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.: Q3757

Instrument ID: BNA_N Calibration Date/Time: 12/11/2025 23:59

Lab File ID: BN038330.D Init. Calib. Date(s): 12/10/2025 12/10/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:52 13:30

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.564	0.557		-1.2	20.0
Fluoranthene-d10	0.990	0.988		-0.2	20.0
2-Fluorophenol	0.996	0.984		-1.2	20.0
Phenol-d6	1.184	1.177		-0.6	20.0
Nitrobenzene-d5	0.337	0.326		-3.3	20.0
2-Fluorobiphenyl	1.914	1.919		0.3	20.0
2,4,6-Tribromophenol	0.177	0.159		-10.2	20.0
Terphenyl-d14	0.893	0.848		-5.0	20.0
1,4-Dioxane	0.459	0.479		4.4	20.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120625\
Data File : BN038296.D
Acq On : 06 Dec 2025 05:11
Operator : RC/JU
Sample : Q3757-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-14A-17.5-120325

Quant Time: Dec 06 05:35:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration

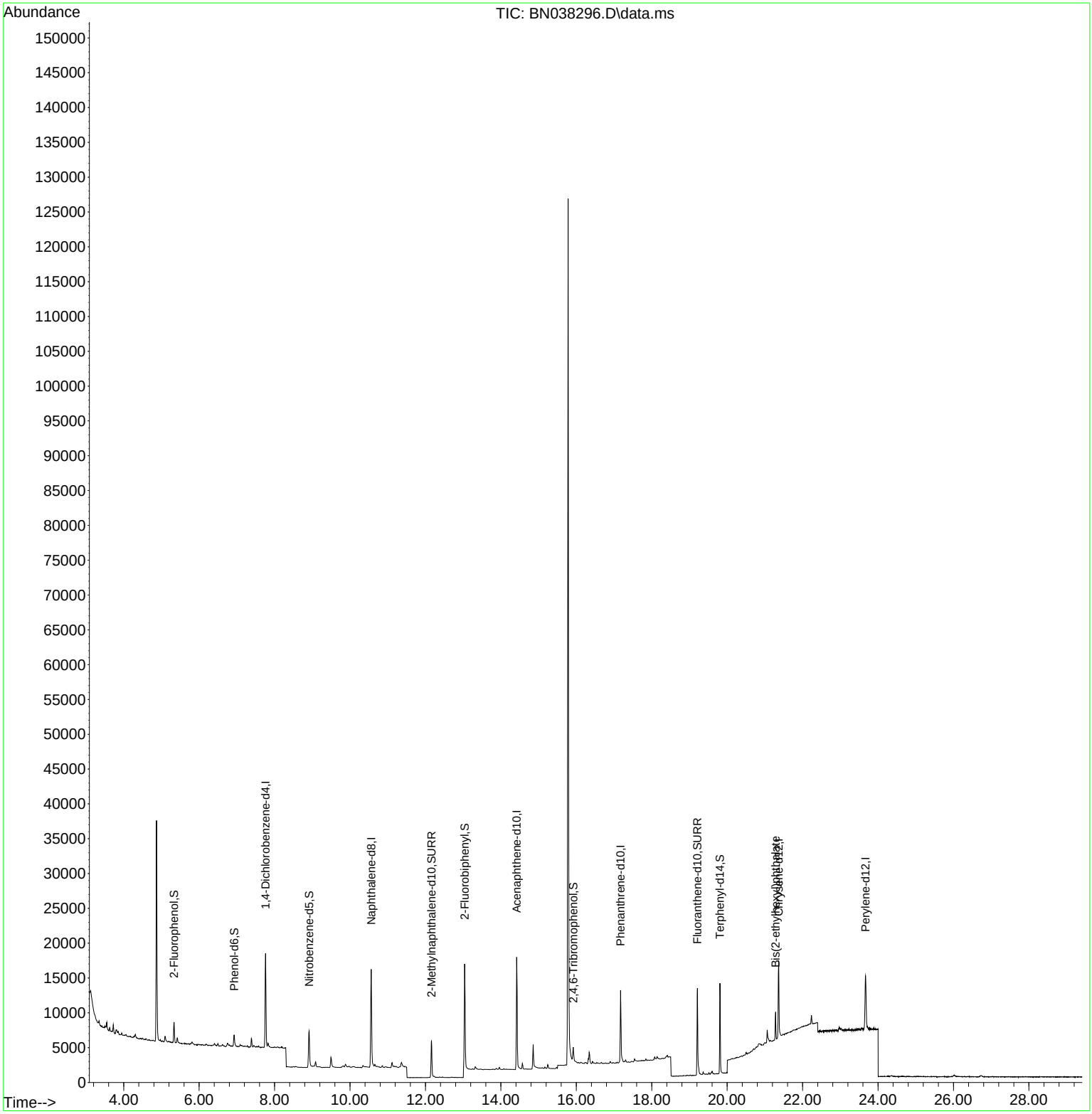
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.760	152	6821	0.400	ng	0.00
7) Naphthalene-d8	10.562	136	19695	0.400	ng	-0.01
13) Acenaphthene-d10	14.420	164	9392	0.400	ng	-0.01
19) Phenanthrene-d10	17.173	188	14431	0.400	ng	#-0.01
29) Chrysene-d12	21.366	240	11258	0.400	ng	# 0.00
35) Perylene-d12	23.668	264	11337	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.334	112	2427	0.152	ng	0.00
5) Phenol-d6	6.930	99	1785	0.090	ng	0.00
8) Nitrobenzene-d5	8.918	82	5144	0.327	ng	0.00
11) 2-Methylnaphthalene-d10	12.162	152	7882	0.282	ng	0.00
14) 2,4,6-Tribromophenol	15.920	330	1271	0.430	ng	-0.01
15) 2-Fluorobiphenyl	13.040	172	12595	0.347	ng	-0.01
27) Fluoranthene-d10	19.211	212	13520	0.432	ng	0.00
31) Terphenyl-d14	19.810	244	12488	0.480	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.286	149	3880	0.186	ng	# 99

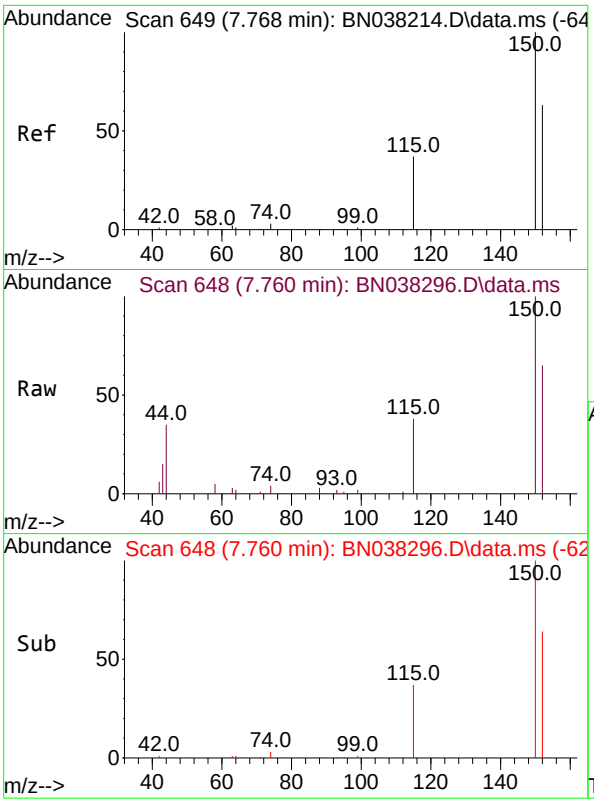
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120625\
Data File : BN038296.D
Acq On : 06 Dec 2025 05:11
Operator : RC/JU
Sample : Q3757-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-14A-17.5-120325

Quant Time: Dec 06 05:35:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration



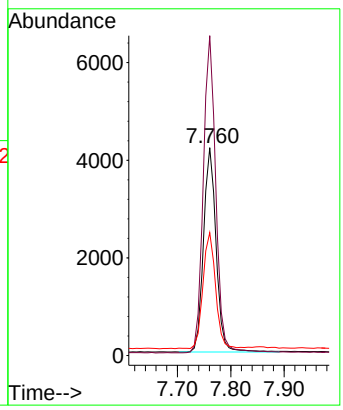


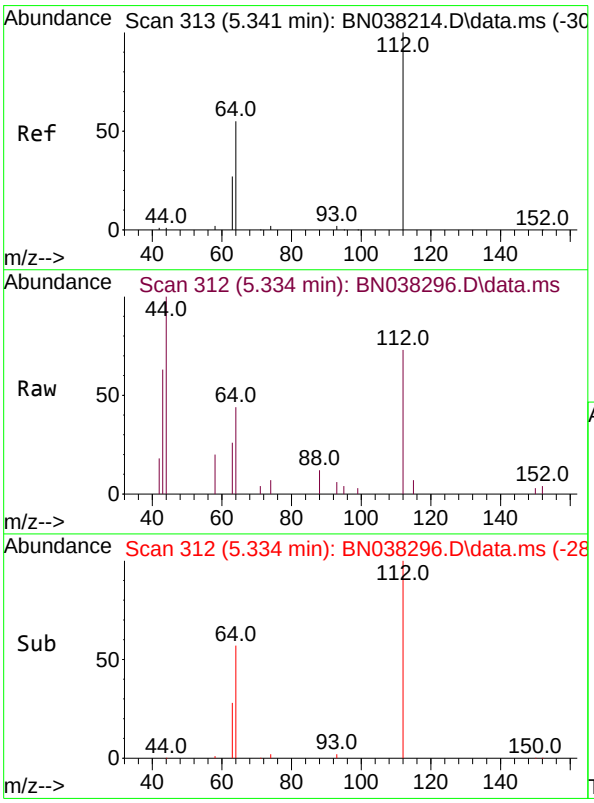
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.760 min Scan# 64
Delta R.T. -0.008 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Instrument :
BNA_N
ClientSampleId :
MW-14A-17.5-120325

Tgt Ion:152 Resp: 6821

Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.3	187.9
115	59.1	49.0	73.4

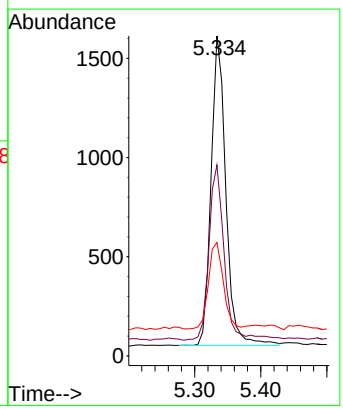


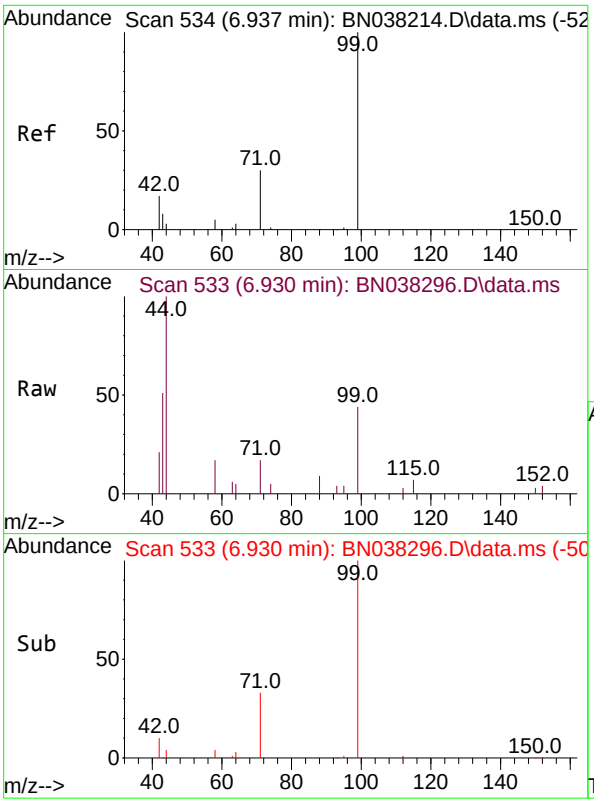


#4
2-Fluorophenol
Concen: 0.152 ng
RT: 5.334 min Scan# 312
Delta R.T. -0.007 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Tgt Ion:112 Resp: 2427

Ion	Ratio	Lower	Upper
112	100		
64	59.0	45.0	67.4
63	28.2	23.2	34.8



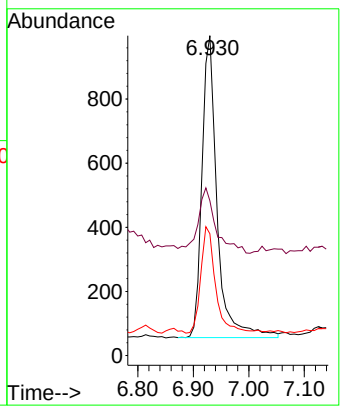


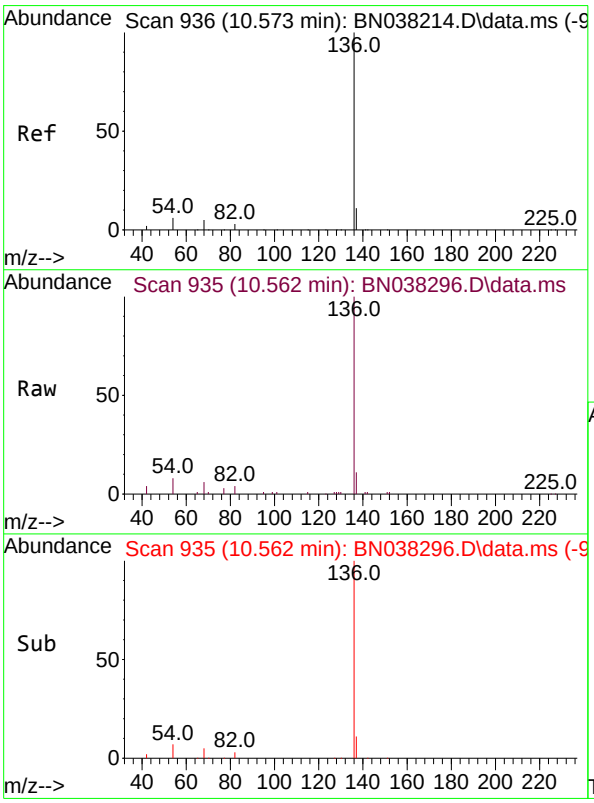
#5
Phenol-d6
Concen: 0.090 ng
RT: 6.930 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Instrument :
BNA_N
ClientSampleId :
MW-14A-17.5-120325

Tgt Ion: 99 Resp: 1785

Ion	Ratio	Lower	Upper
99	100		
42	26.1	17.0	25.6#
71	35.0	25.4	38.2

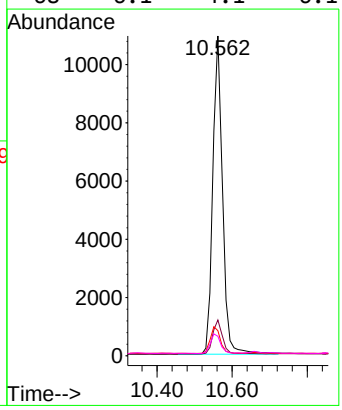


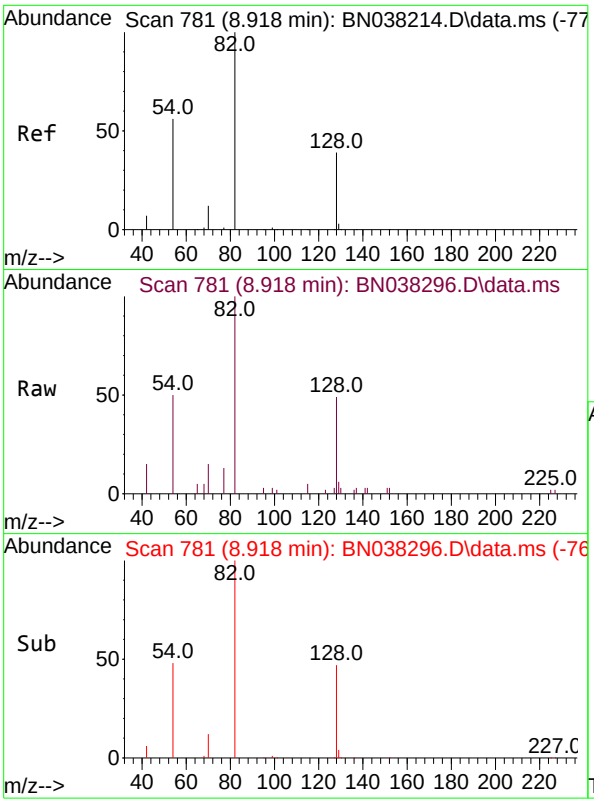


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Tgt Ion:136 Resp: 19695

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.9	5.4	8.0
68	6.1	4.1	6.1



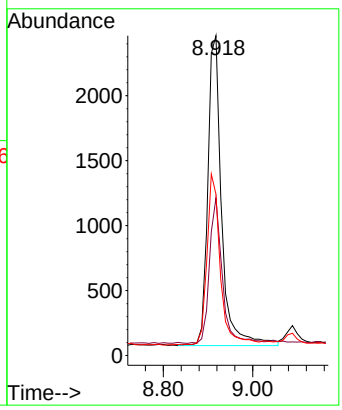


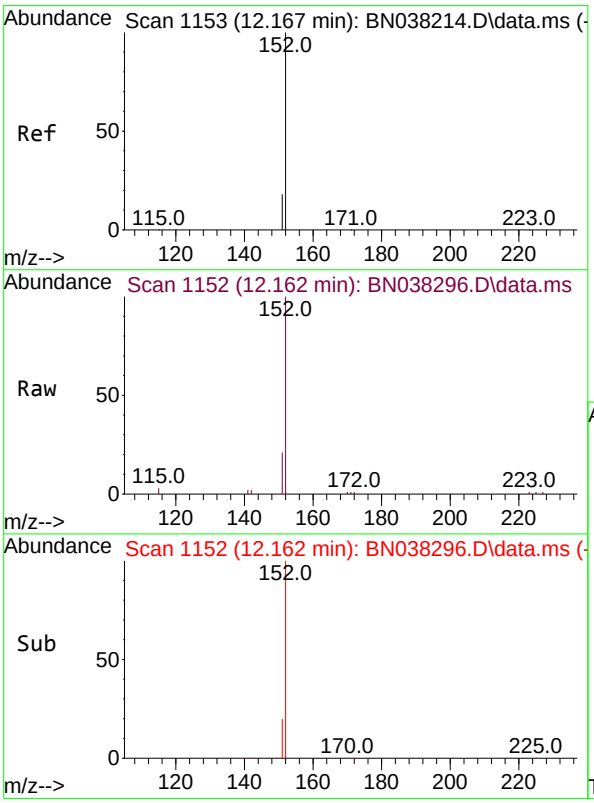
#8
Nitrobenzene-d5
Concen: 0.327 ng
RT: 8.918 min Scan# 78
Delta R.T. 0.000 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Instrument :
BNA_N
ClientSampleId :
MW-14A-17.5-120325

Tgt Ion: 82 Resp: 5144

Ion	Ratio	Lower	Upper
82	100		
128	49.2	32.6	48.8#
54	50.4	45.4	68.0

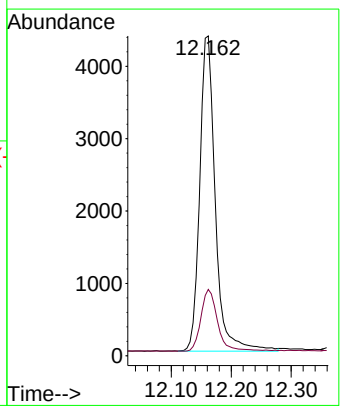


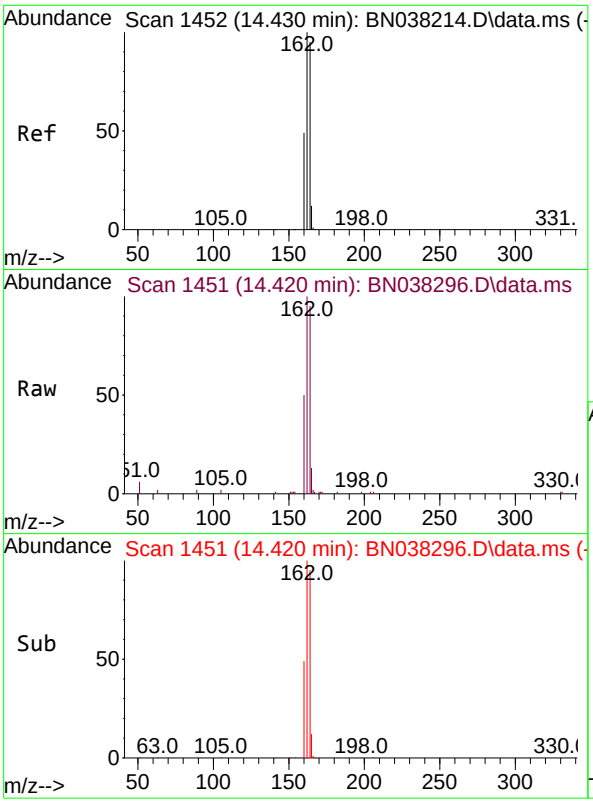


#11
2-Methylnaphthalene-d10
Concen: 0.282 ng
RT: 12.162 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Tgt Ion:152 Resp: 7882

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.7	25.1



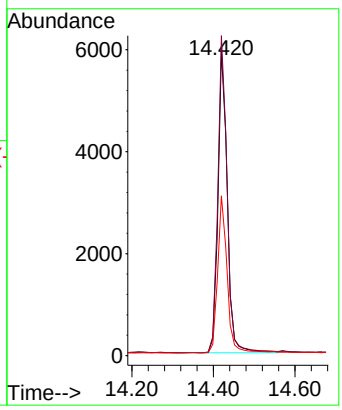


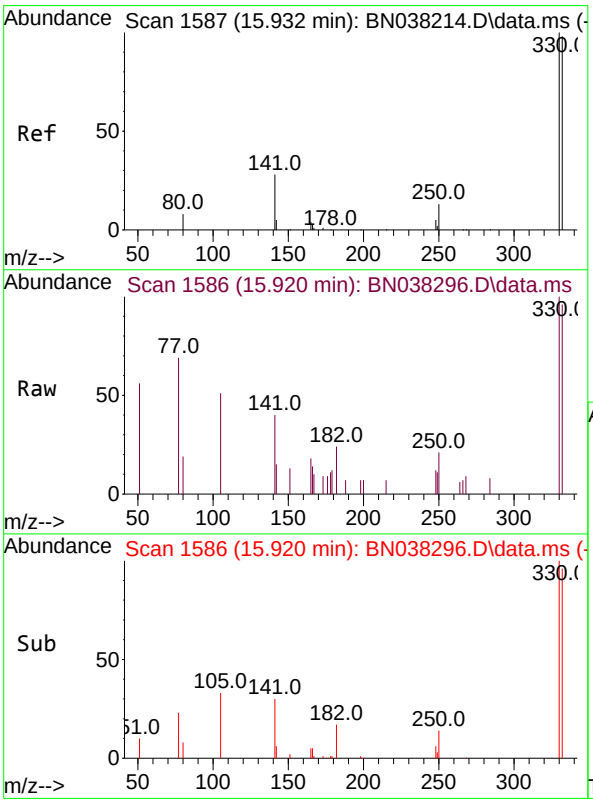
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.420 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Instrument :
BNA_N
ClientSampleId :
MW-14A-17.5-120325

Tgt Ion:164 Resp: 9392

Ion	Ratio	Lower	Upper
164	100		
162	105.3	83.8	125.8
160	52.5	41.6	62.4

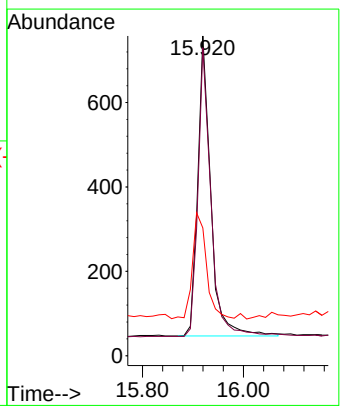


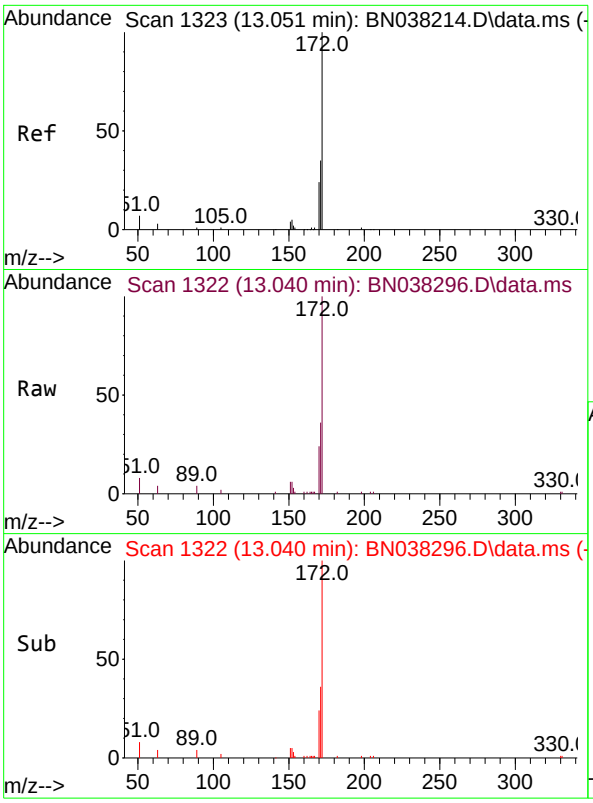


#14
2,4,6-Tribromophenol
Concen: 0.430 ng
RT: 15.920 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Tgt Ion:330 Resp: 1271

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.8	116.6
141	37.5	33.0	49.4



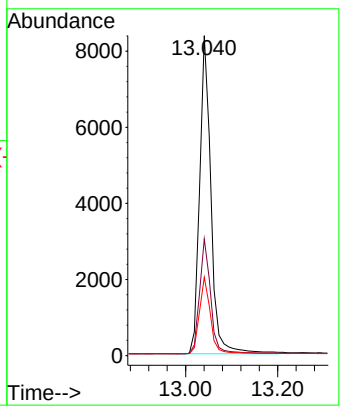


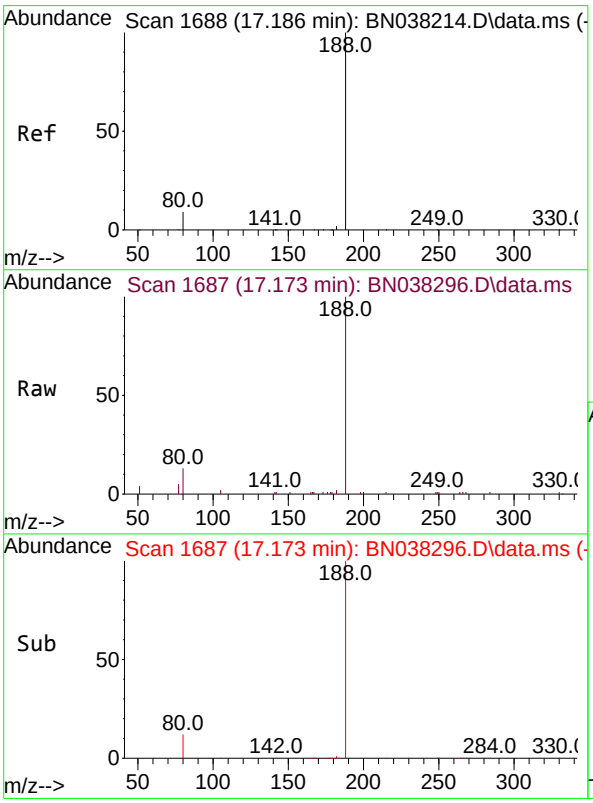
#15
2-Fluorobiphenyl
Concen: 0.347 ng
RT: 13.040 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Instrument :
BNA_N
ClientSampleId :
MW-14A-17.5-120325

Tgt Ion:172 Resp: 12595

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.1	42.1
170	24.5	19.1	28.7

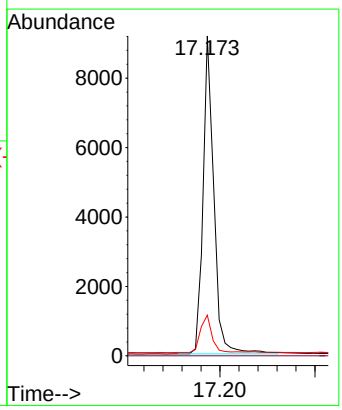


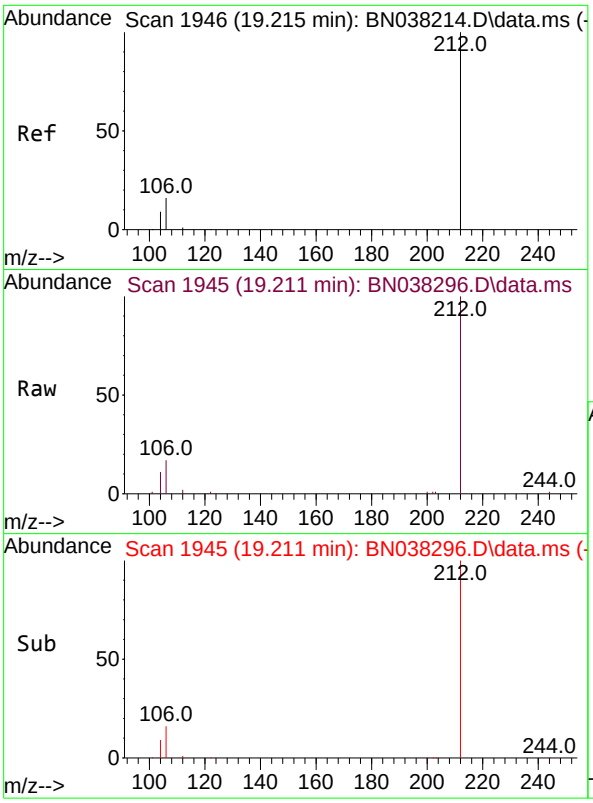


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Tgt Ion:188 Resp: 14431

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.7	7.7	11.5#



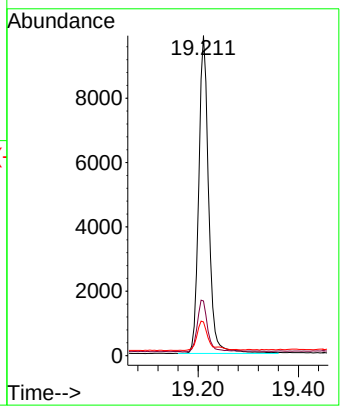


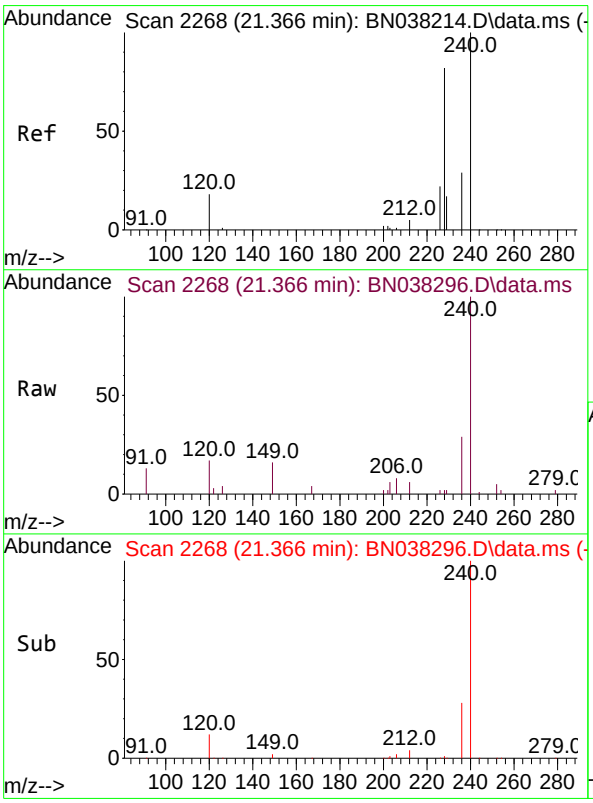
#27
Fluoranthene-d10
Concen: 0.432 ng
RT: 19.211 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Instrument :
BNA_N
ClientSampleId :
MW-14A-17.5-120325

Tgt Ion:212 Resp: 13520

Ion	Ratio	Lower	Upper
212	100		
106	17.0	12.7	19.1
104	10.6	7.3	10.9

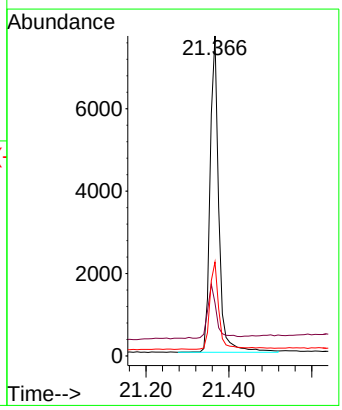


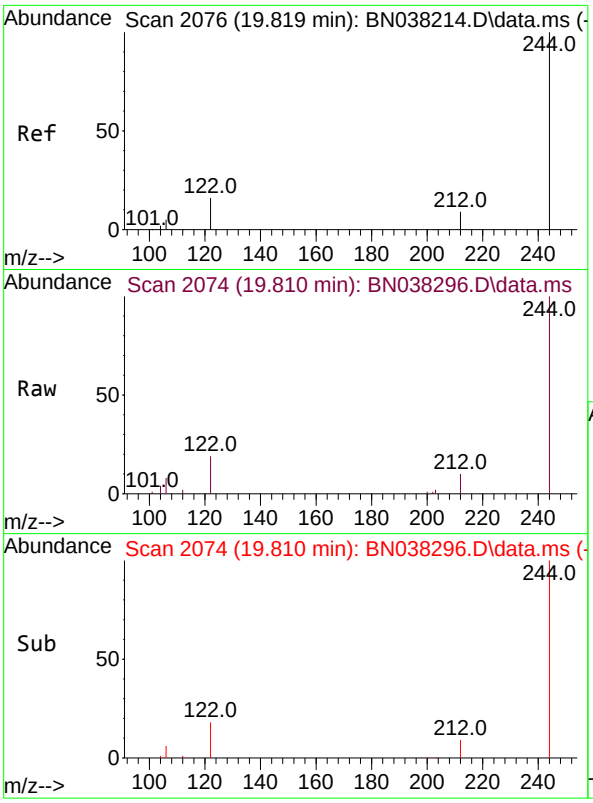


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.366 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Tgt Ion:240 Resp: 11258

Ion	Ratio	Lower	Upper
240	100		
120	16.5	18.1	27.1#
236	29.3	24.2	36.4



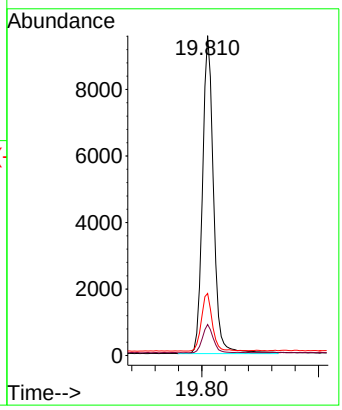


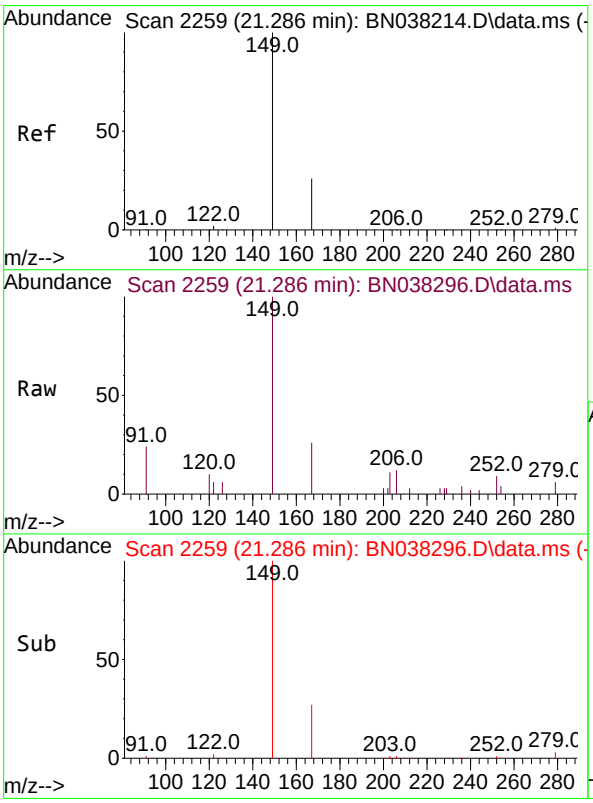
#31
Terphenyl-d14
Concen: 0.480 ng
RT: 19.810 min Scan# 20
Delta R.T. -0.009 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Instrument :
BNA_N
ClientSampleId :
MW-14A-17.5-120325

Tgt Ion:244 Resp: 12488

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.7	11.5
122	19.4	13.6	20.4

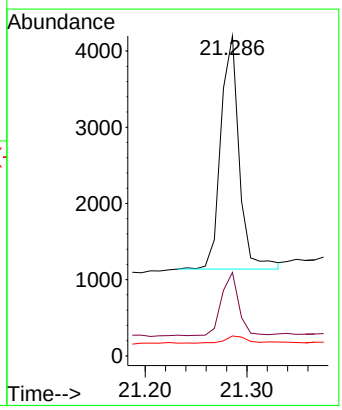


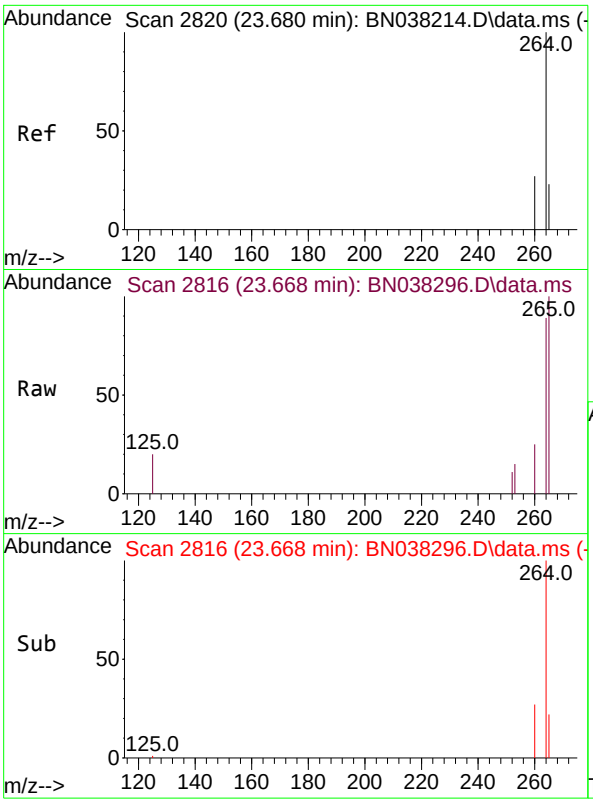


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.186 ng
RT: 21.286 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Tgt Ion:149 Resp: 3880

Ion	Ratio	Lower	Upper
149	100		
167	25.3	20.7	31.1
279	4.4	2.5	3.7#



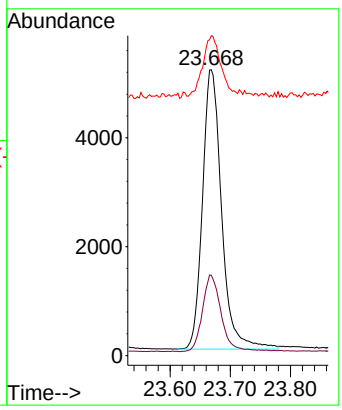


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.668 min Scan# 28
Delta R.T. -0.012 min
Lab File: BN038296.D
Acq: 06 Dec 2025 05:11

Instrument :
BNA_N
ClientSampleId :
MW-14A-17.5-120325

Tgt Ion:264 Resp: 11337

Ion	Ratio	Lower	Upper
264	100		
260	28.1	21.7	32.5
265	111.9	98.0	147.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038313.D
Acq On : 11 Dec 2025 12:25
Operator : RC/JU
Sample : Q3757-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325

Quant Time: Dec 11 12:52:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

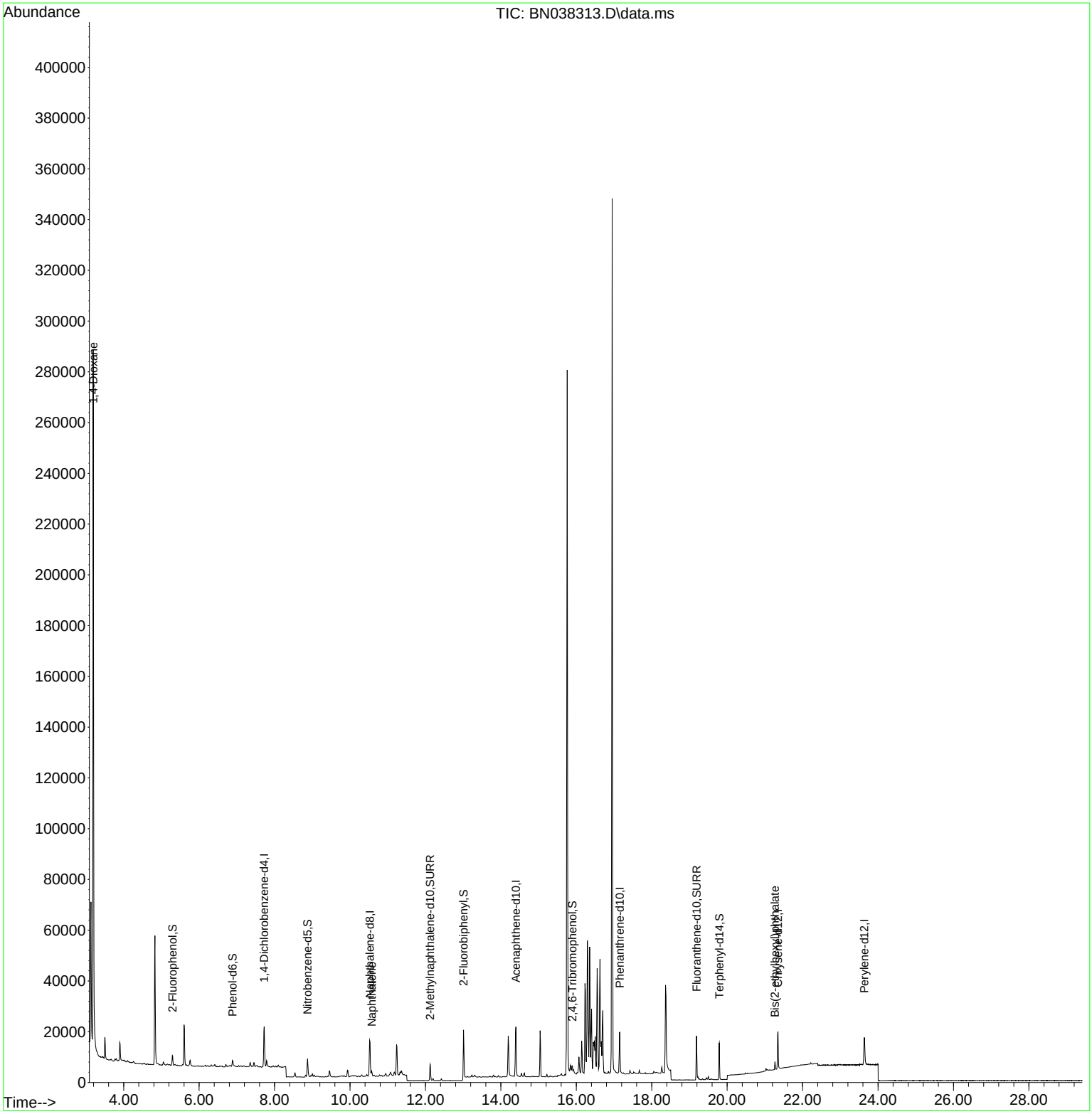
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	7415	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	20111	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	10732	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	19954	0.400	ng	# 0.00
29) Chrysene-d12	21.348	240	14276	0.400	ng	# 0.00
35) Perylene-d12	23.636	264	14578	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.298	112	3082	0.167	ng	0.00
5) Phenol-d6	6.886	99	2265	0.103	ng	0.00
8) Nitrobenzene-d5	8.875	82	5813	0.343	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	8721	0.307	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1828	0.384	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	16951	0.328	ng	0.00
27) Fluoranthene-d10	19.187	212	18094	0.367	ng	0.00
31) Terphenyl-d14	19.791	244	13649	0.428	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	160554	18.884	ng	99
9) Naphthalene	10.573	128	2469	0.042	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.268	149	2816	0.093	ng	# 99

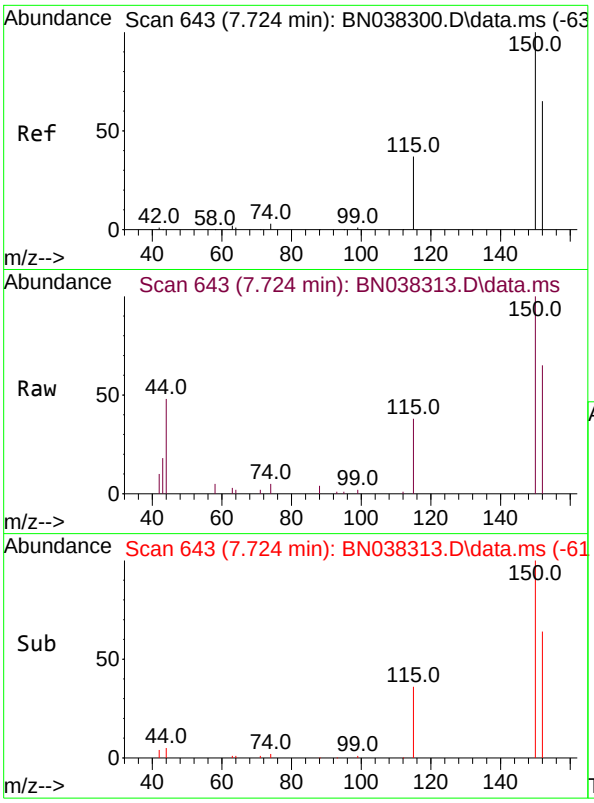
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038313.D
Acq On : 11 Dec 2025 12:25
Operator : RC/JU
Sample : Q3757-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325

Quant Time: Dec 11 12:52:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



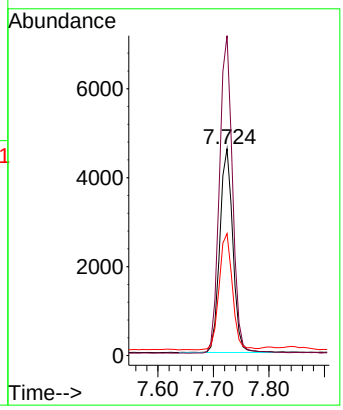


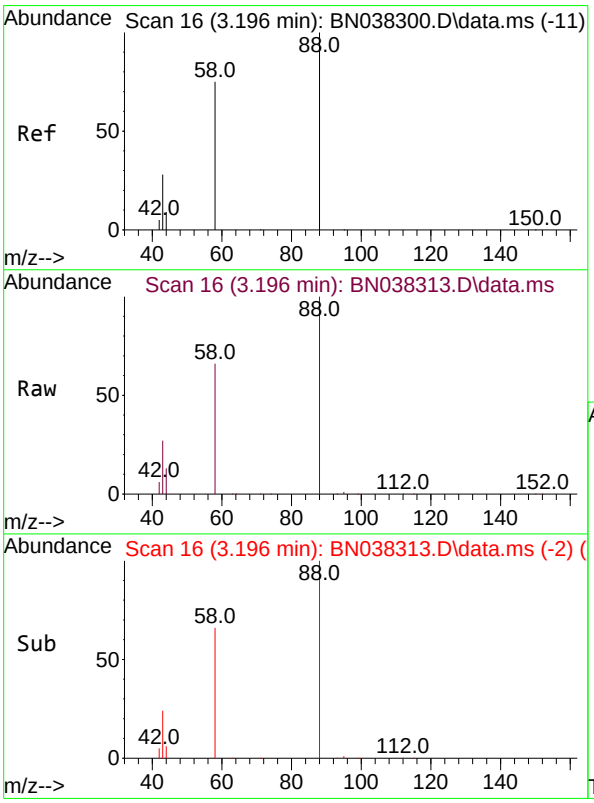
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325

Tgt Ion:152 Resp: 7415

Ion	Ratio	Lower	Upper
152	100		
150	154.8	122.4	183.6
115	59.0	47.3	70.9

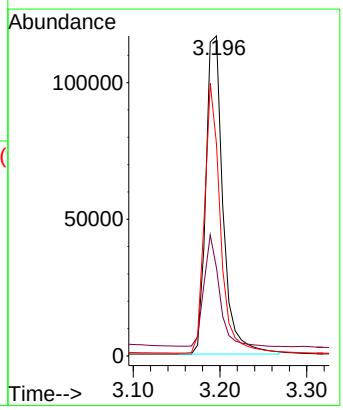


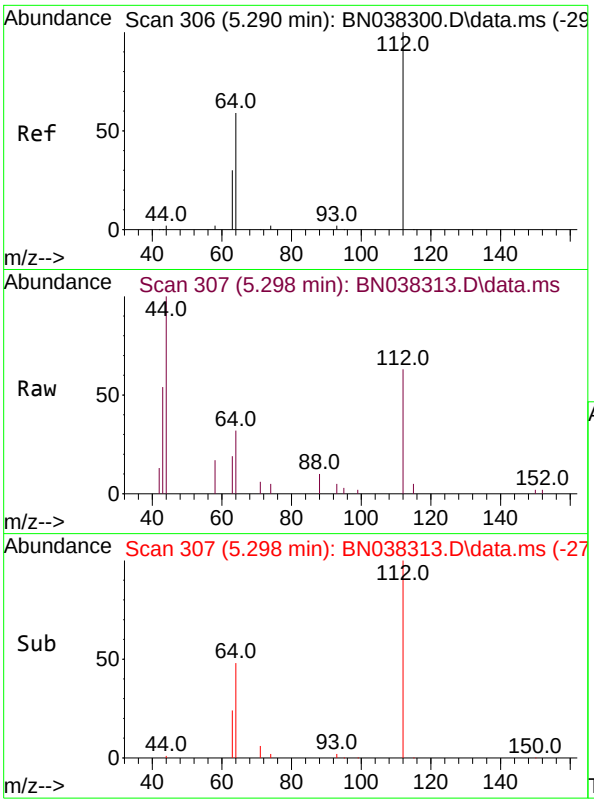


#2
1,4-Dioxane
Concen: 18.884 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Tgt Ion: 88 Resp: 160554

Ion	Ratio	Lower	Upper
88	100		
43	31.2	24.9	37.3
58	77.5	61.4	92.0



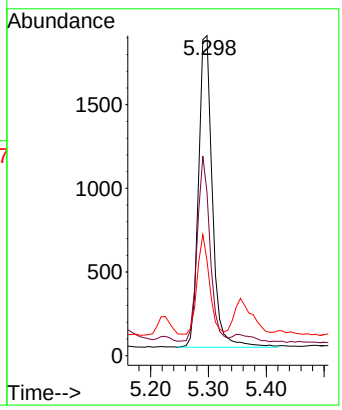


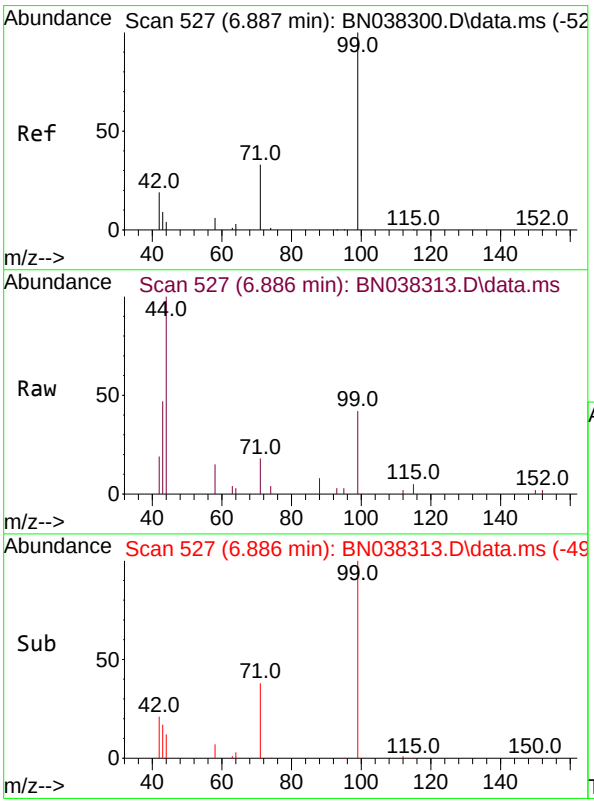
#4
2-Fluorophenol
Concen: 0.167 ng
RT: 5.298 min Scan# 30
Delta R.T. 0.007 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325

Tgt Ion:112 Resp: 3082

Ion	Ratio	Lower	Upper
112	100		
64	55.2	44.4	66.6
63	28.4	23.4	35.0

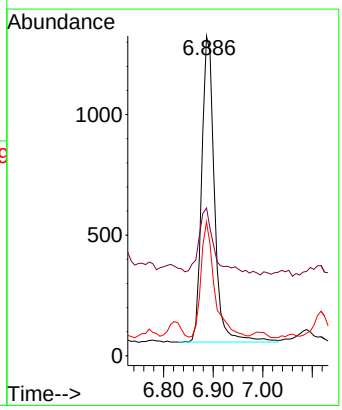


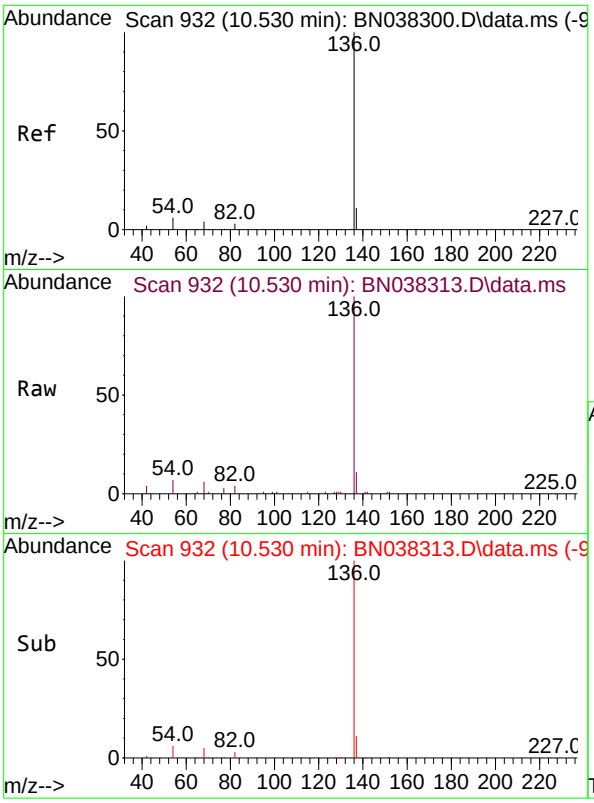


#5
Phenol-d6
Concen: 0.103 ng
RT: 6.886 min Scan# 527
Delta R.T. -0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Tgt Ion: 99 Resp: 2265

Ion	Ratio	Lower	Upper
99	100		
42	27.9	16.5	24.7#
71	40.7	24.9	37.3#



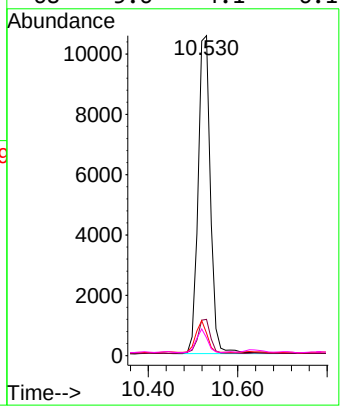


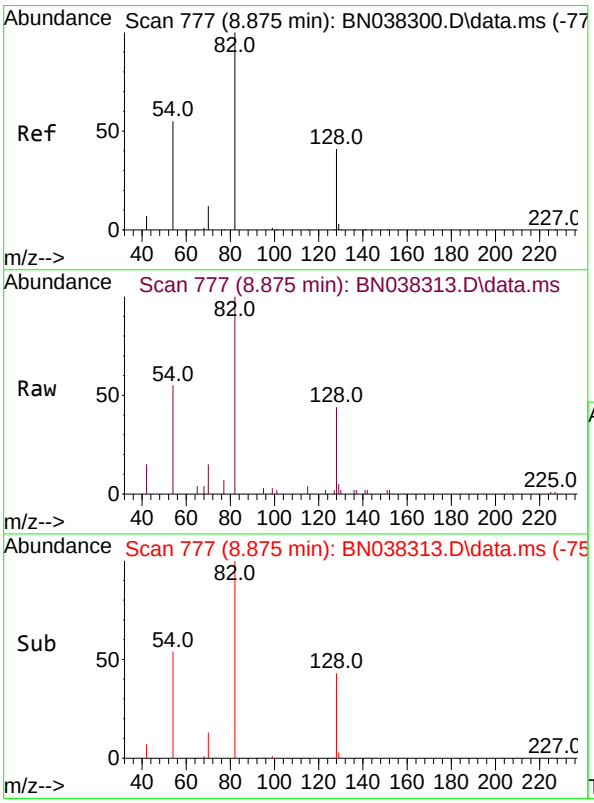
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325

Tgt Ion:136 Resp: 20111

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.0	5.2	7.8
68	5.6	4.1	6.1

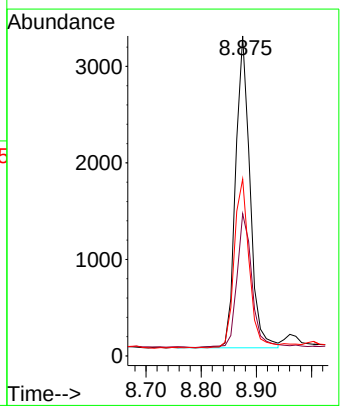


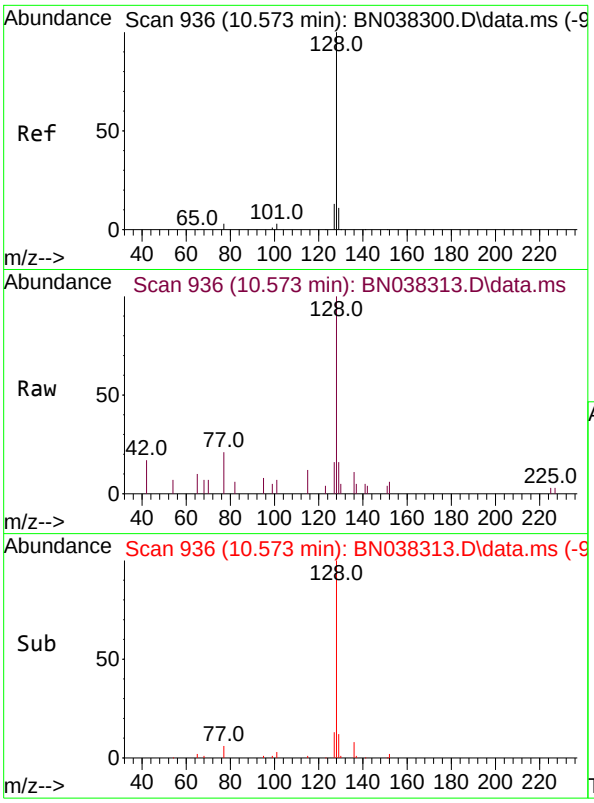


#8
Nitrobenzene-d5
Concen: 0.343 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Tgt Ion: 82 Resp: 5813

Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.0	51.0
54	55.3	44.4	66.6



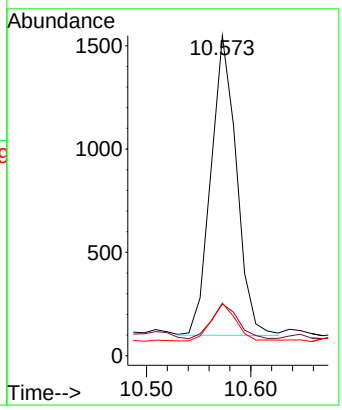


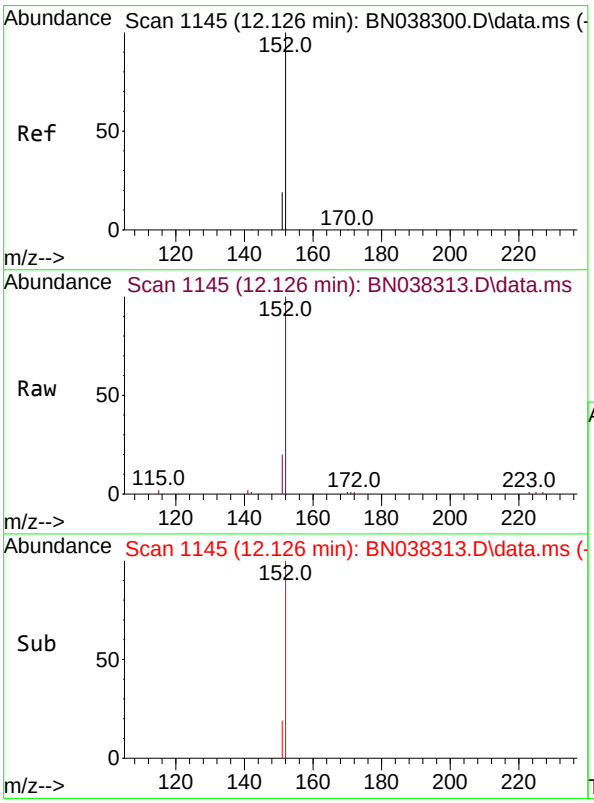
#9
Naphthalene
Concen: 0.042 ng
RT: 10.573 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325

Tgt Ion:128 Resp: 2469

Ion	Ratio	Lower	Upper
128	100		
129	16.2	9.1	13.7#
127	16.5	10.9	16.3#

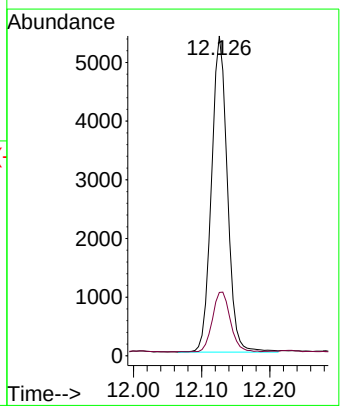


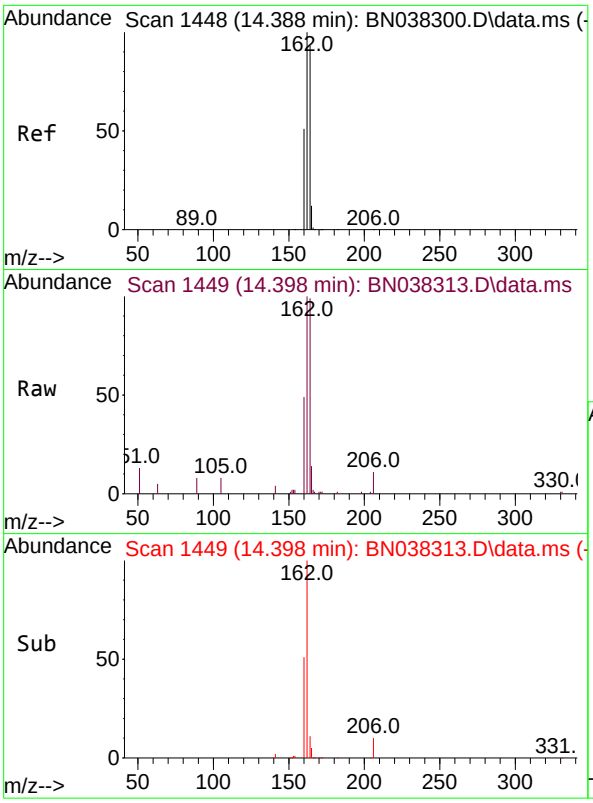


#11
2-Methylnaphthalene-d10
Concen: 0.307 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Tgt Ion:152 Resp: 8721

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.0	25.6



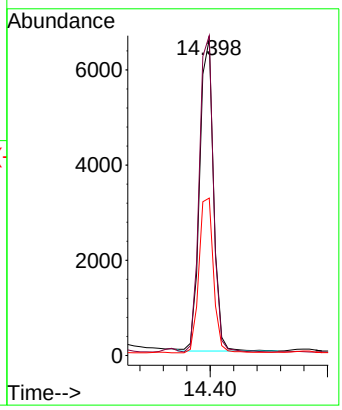


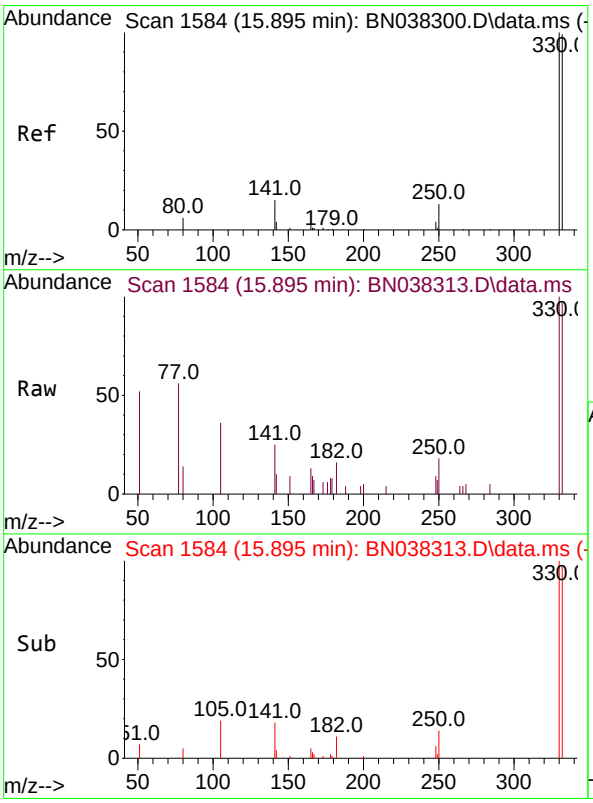
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325

Tgt Ion:164 Resp: 10732

Ion	Ratio	Lower	Upper
164	100		
162	101.1	86.2	129.4
160	49.8	44.6	67.0

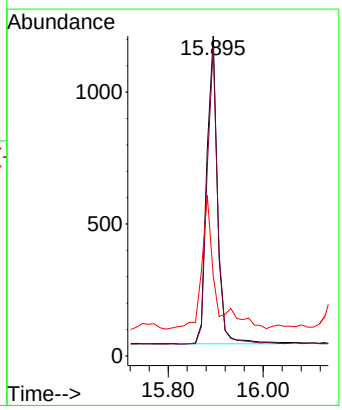


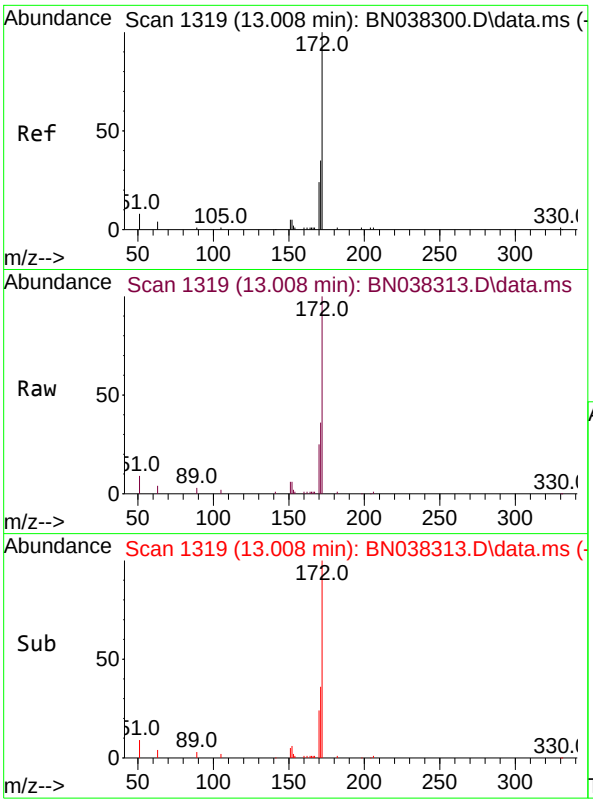


#14
2,4,6-Tribromophenol
Concen: 0.384 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Tgt Ion:330 Resp: 1828

Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.8	113.6
141	45.1	31.8	47.8



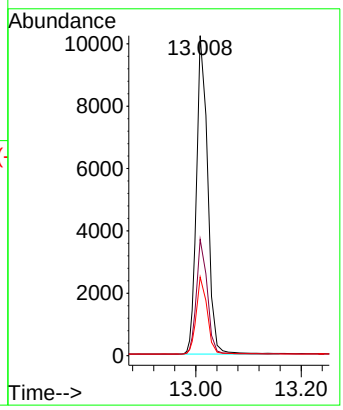


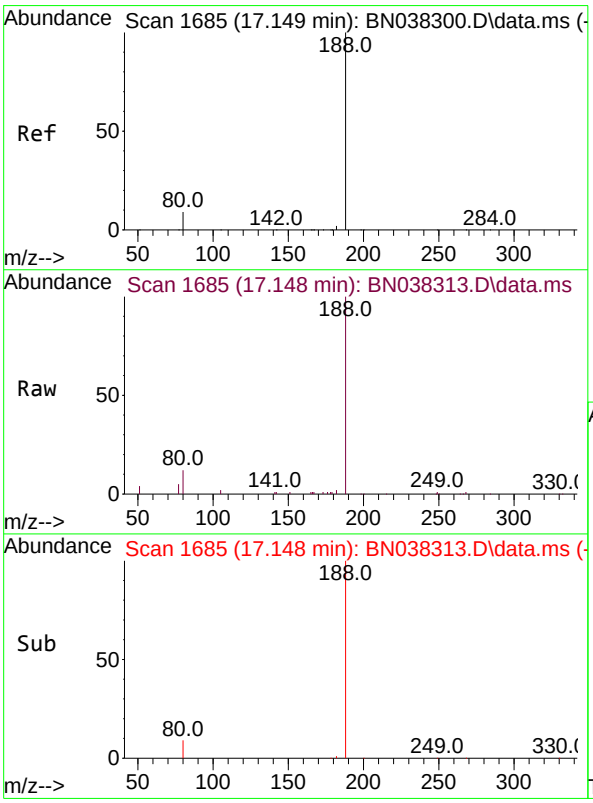
#15
2-Fluorobiphenyl
Concen: 0.328 ng
RT: 13.008 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325

Tgt Ion:172 Resp: 16951

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	42.8
170	24.6	19.3	28.9

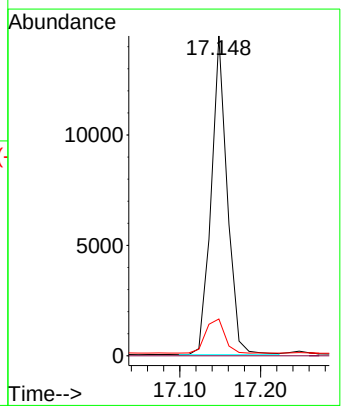


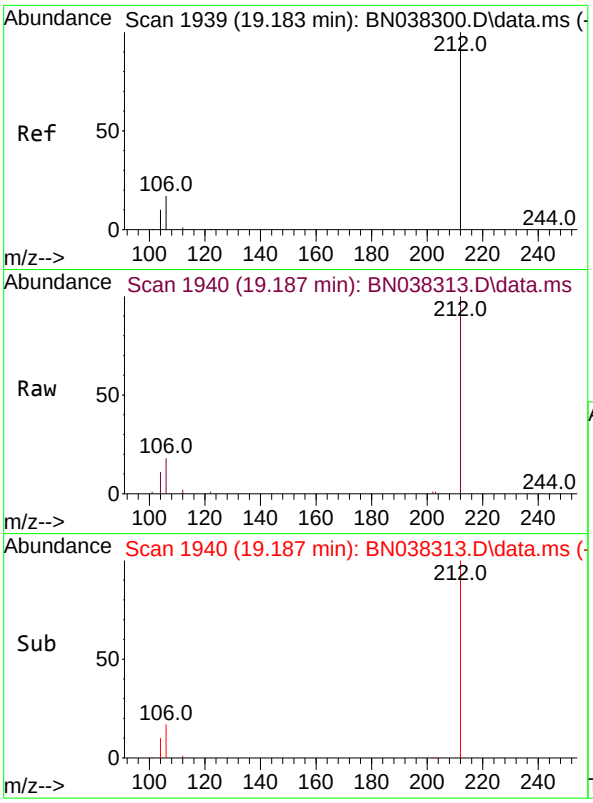


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Tgt Ion:188 Resp: 19954

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.5	7.4	11.0#



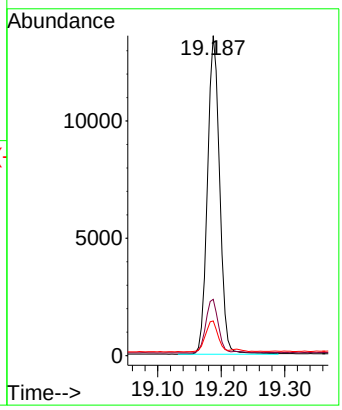


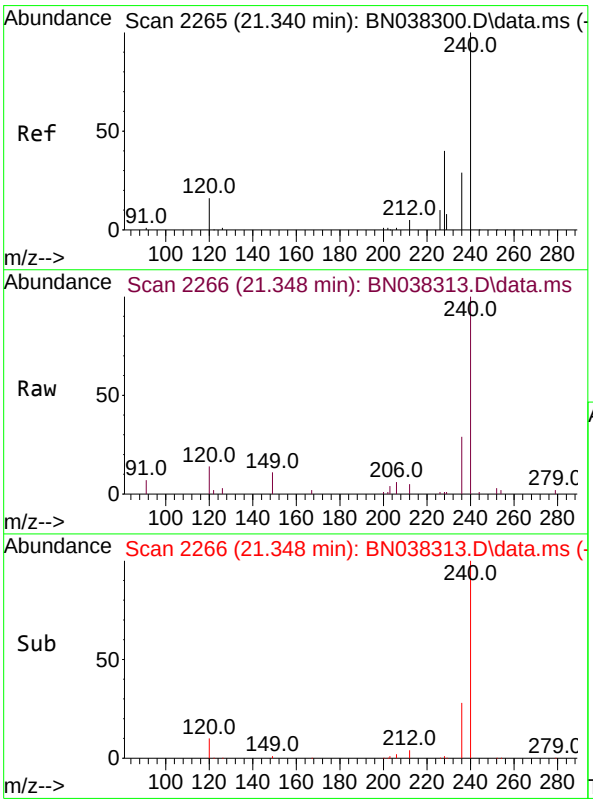
#27
Fluoranthene-d10
Concen: 0.367 ng
RT: 19.187 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325

Tgt Ion:212 Resp: 18094

Ion	Ratio	Lower	Upper
212	100		
106	17.2	13.7	20.5
104	9.9	7.8	11.8

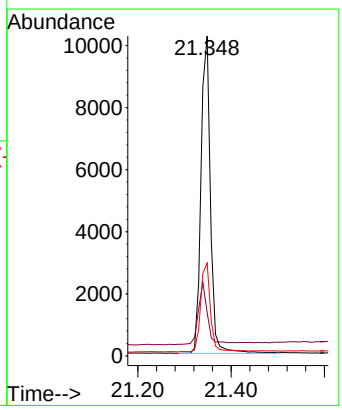


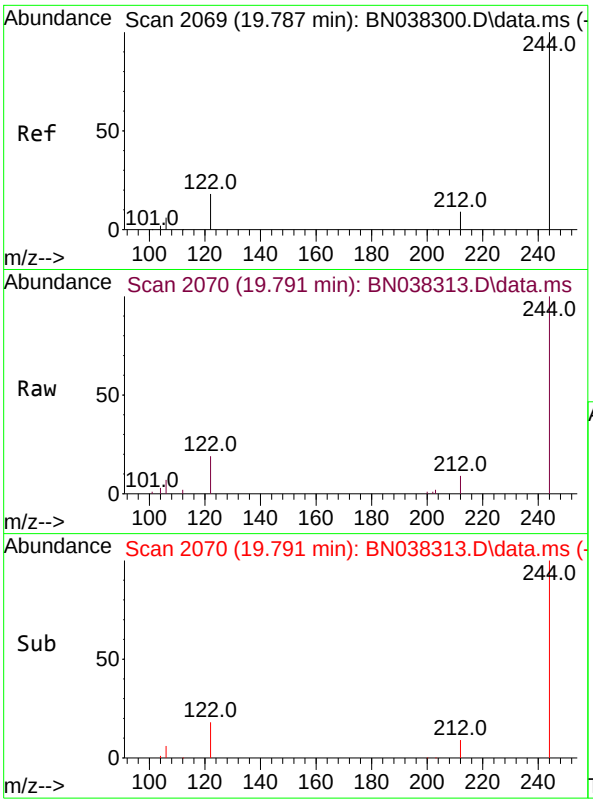


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.348 min Scan# 2266
Delta R.T. 0.009 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Tgt Ion:240 Resp: 14276

Ion	Ratio	Lower	Upper
240	100		
120	13.5	15.4	23.2#
236	29.0	23.9	35.9



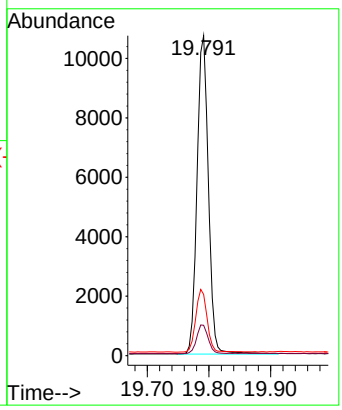


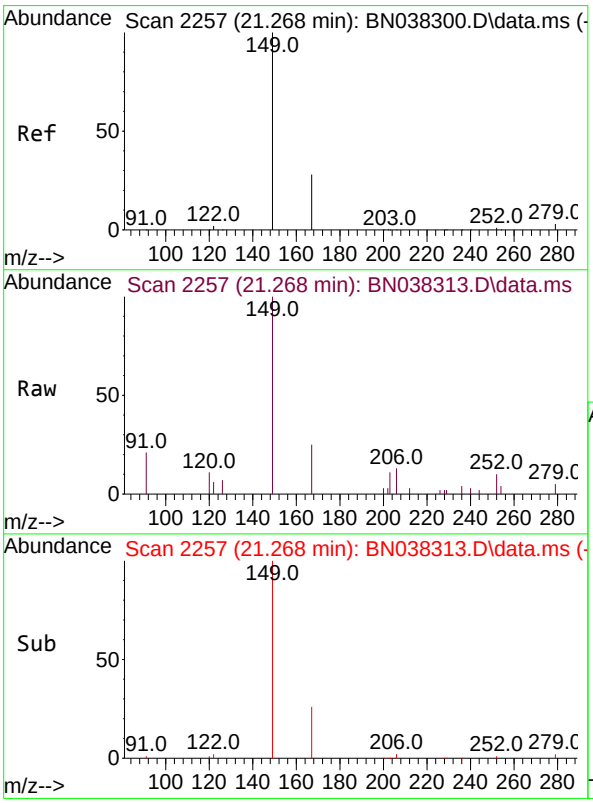
#31
Terphenyl-d14
Concen: 0.428 ng
RT: 19.791 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325

Tgt Ion:244 Resp: 13649

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.9	11.9
122	19.1	15.0	22.6

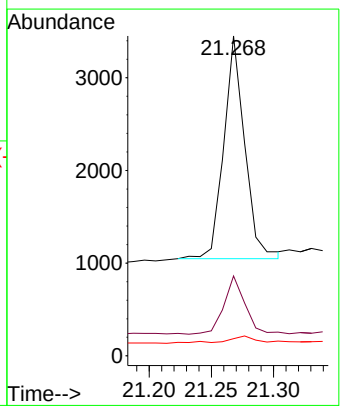


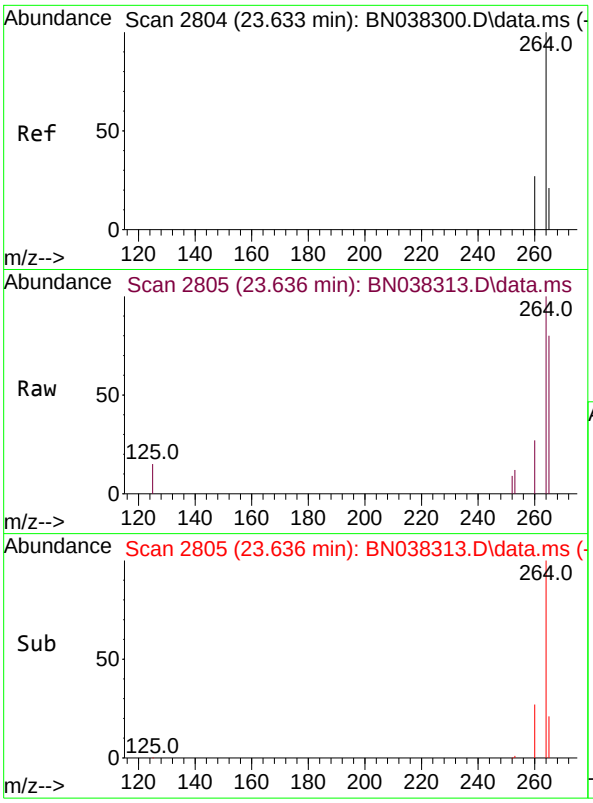


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.093 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Tgt Ion:149 Resp: 2816

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.4	32.0
279	3.7	2.4	3.6#



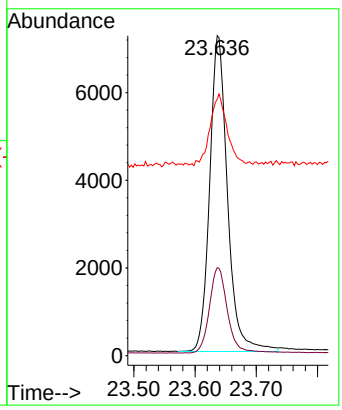


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.636 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN038313.D
Acq: 11 Dec 2025 12:25

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325

Tgt Ion:264 Resp: 14578

Ion	Ratio	Lower	Upper
264	100		
260	27.5	22.2	33.2
265	80.2	80.2	120.2#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038333.D
Acq On : 12 Dec 2025 01:49
Operator : RC/JU
Sample : Q3757-03DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325DL

Quant Time: Dec 12 04:17:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

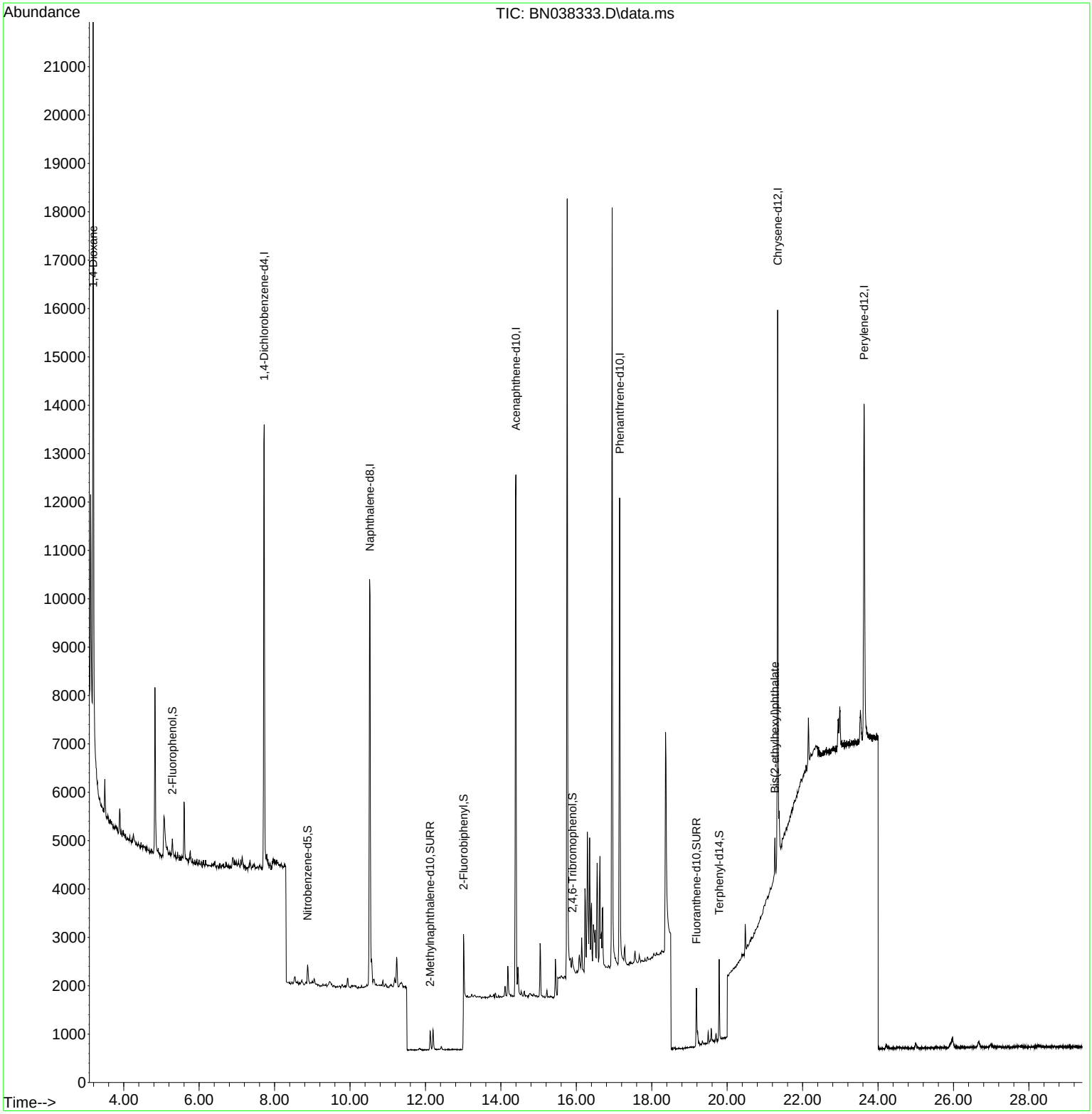
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.724	152	4723	0.400	ng		0.00
7) Naphthalene-d8	10.530	136	12829	0.400	ng		0.00
13) Acenaphthene-d10	14.398	164	6799	0.400	ng		0.00
19) Phenanthrene-d10	17.148	188	13086	0.400	ng	#	0.00
29) Chrysene-d12	21.340	240	10141	0.400	ng		0.00
35) Perylene-d12	23.630	264	10159	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.290	112	286	0.024	ng		0.00
5) Phenol-d6	6.887	99	237	0.017	ng		0.00
8) Nitrobenzene-d5	8.875	82	384	0.035	ng		0.00
11) 2-Methylnaphthalene-d10	12.126	152	623	0.034	ng		0.00
14) 2,4,6-Tribromophenol	15.895	330	166	0.055	ng		0.00
15) 2-Fluorobiphenyl	13.008	172	1335	0.041	ng		0.00
27) Fluoranthene-d10	19.183	212	1374	0.042	ng		0.00
31) Terphenyl-d14	19.787	244	1628	0.072	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.189	88	11881	2.194	ng		96
34) Bis(2-ethylhexyl)phtha...	21.268	149	1001	0.047	ng	#	91

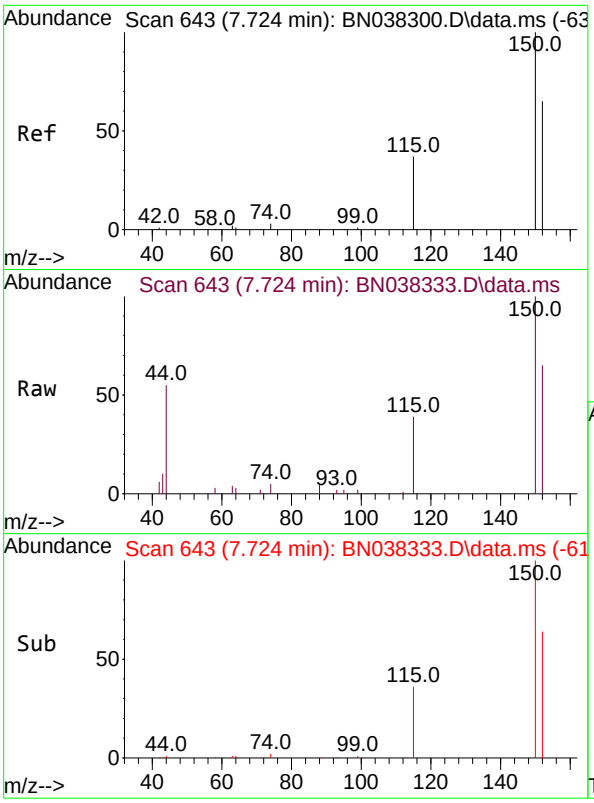
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038333.D
Acq On : 12 Dec 2025 01:49
Operator : RC/JU
Sample : Q3757-03DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325DL

Quant Time: Dec 12 04:17:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



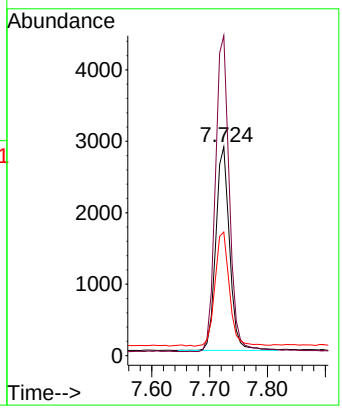


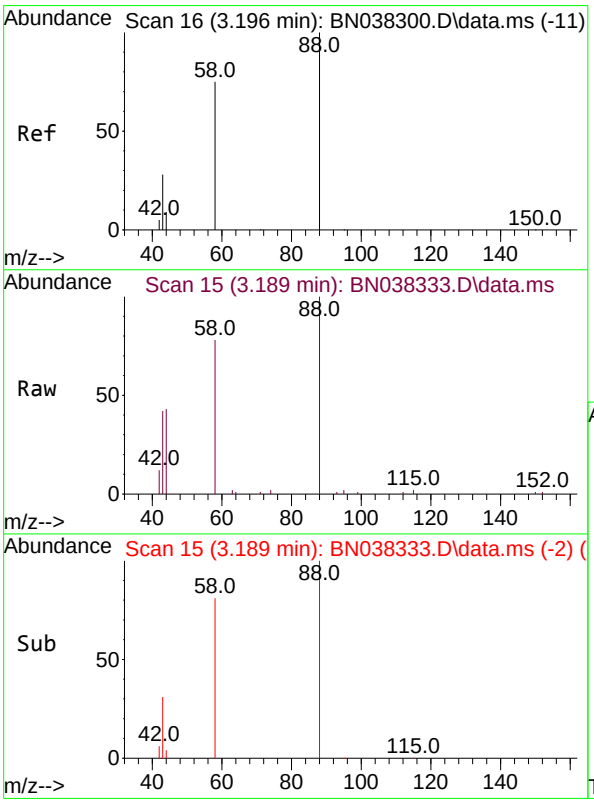
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325DL

Tgt Ion:152 Resp: 4723

Ion	Ratio	Lower	Upper
152	100		
150	153.3	122.4	183.6
115	59.2	47.3	70.9

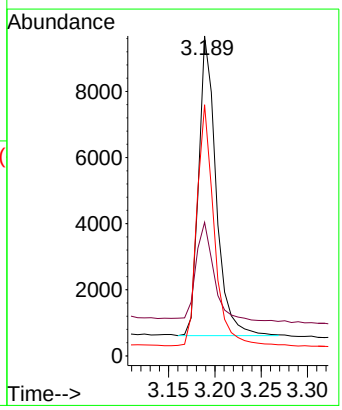


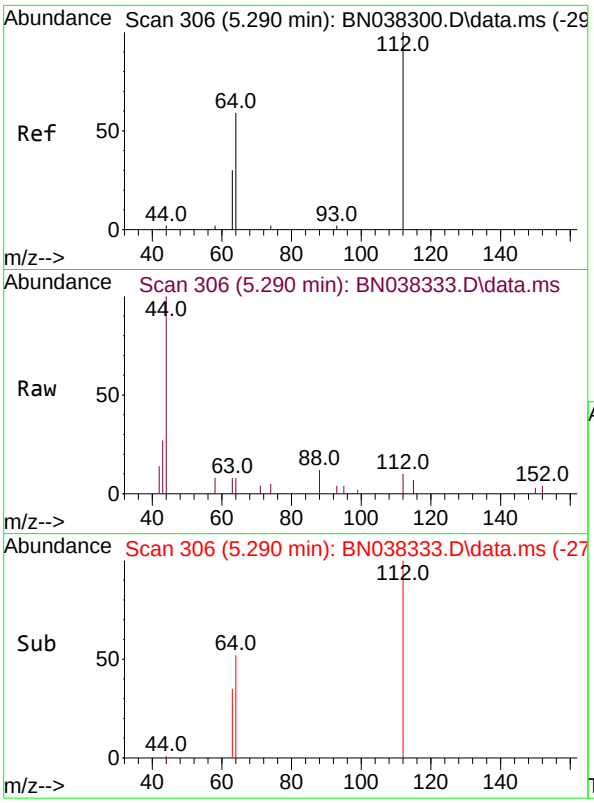


#2
1,4-Dioxane
Concen: 2.194 ng
RT: 3.189 min Scan# 15
Delta R.T. -0.007 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Tgt Ion: 88 Resp: 11881

Ion	Ratio	Lower	Upper
88	100		
43	35.0	24.9	37.3
58	79.1	61.4	92.0



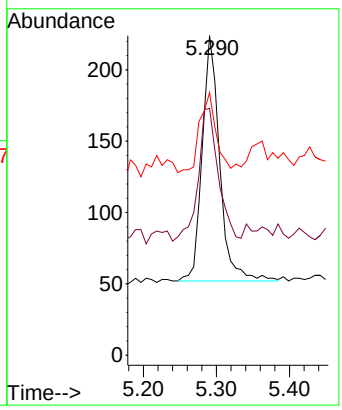


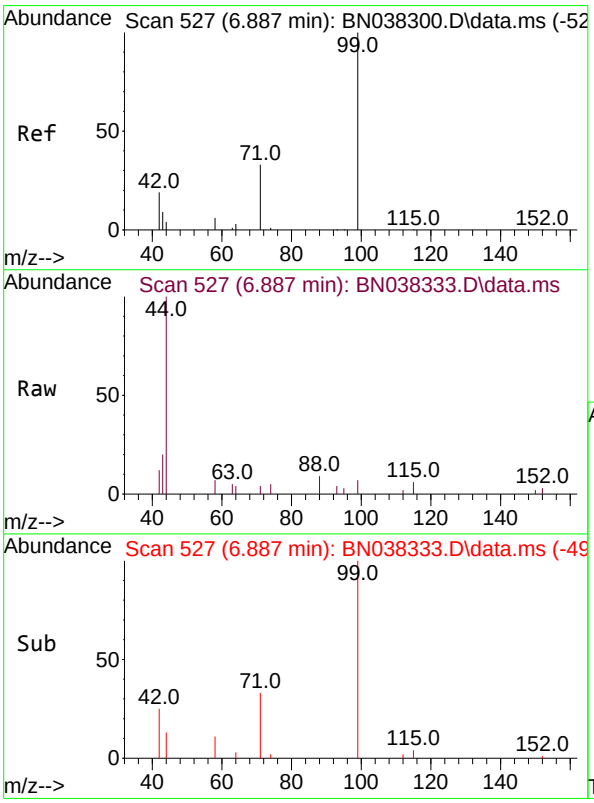
#4
2-Fluorophenol
Concen: 0.024 ng
RT: 5.290 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325DL

Tgt Ion:112 Resp: 286

Ion	Ratio	Lower	Upper
112	100		
64	62.6	44.4	66.6
63	27.3	23.4	35.0

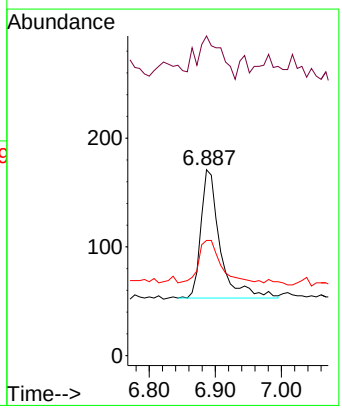


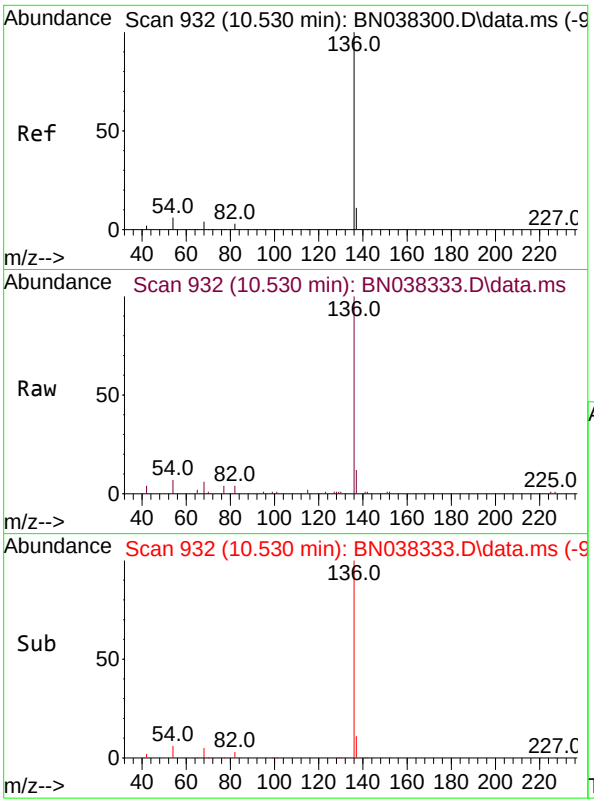


#5
Phenol-d6
Concen: 0.017 ng
RT: 6.887 min Scan# 527
Delta R.T. 0.000 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Tgt Ion: 99 Resp: 237

Ion	Ratio	Lower	Upper
99	100		
42	42.2	16.5	24.7#
71	35.9	24.9	37.3



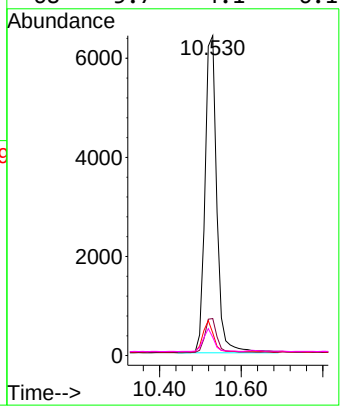


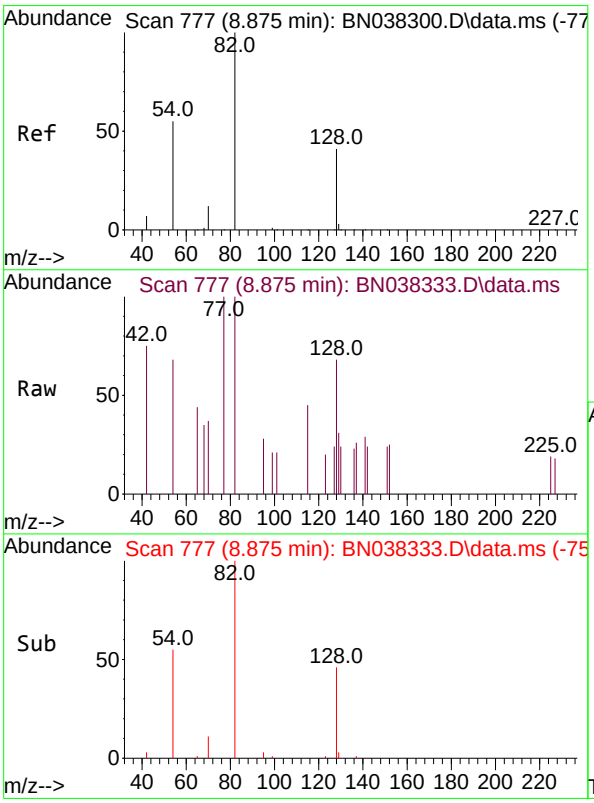
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325DL

Tgt Ion:136 Resp: 12829

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	7.1	5.2	7.8
68	5.7	4.1	6.1

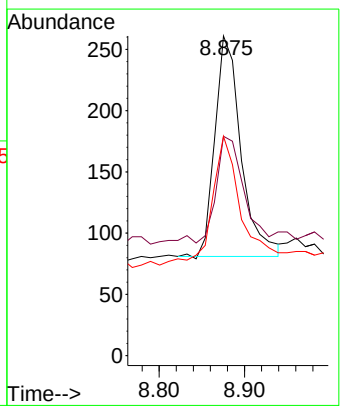


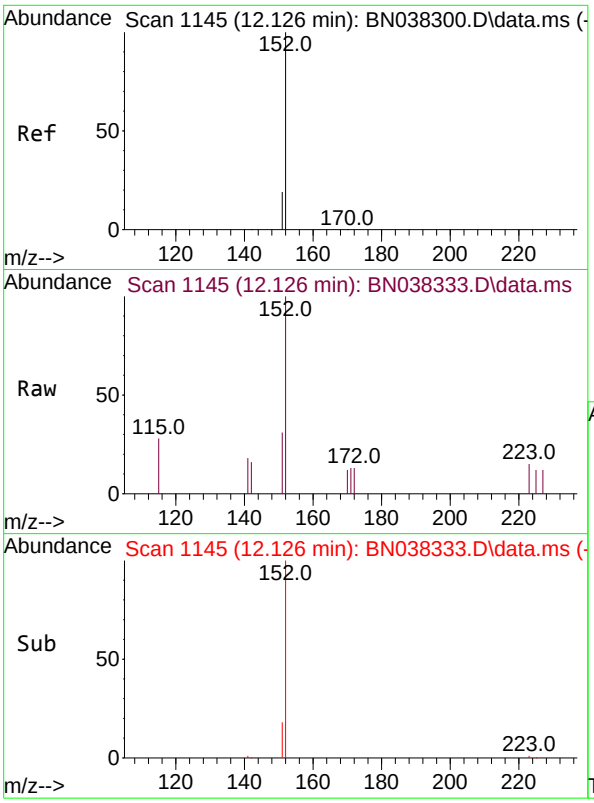


#8
Nitrobenzene-d5
Concen: 0.035 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Tgt Ion: 82 Resp: 384

Ion	Ratio	Lower	Upper
82	100		
128	68.6	34.0	51.0#
54	68.6	44.4	66.6#



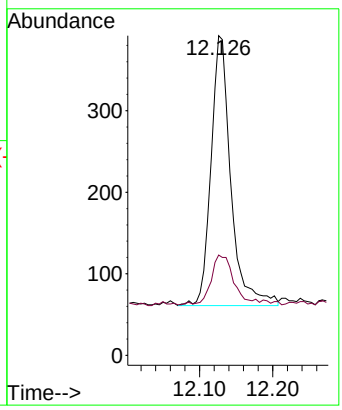


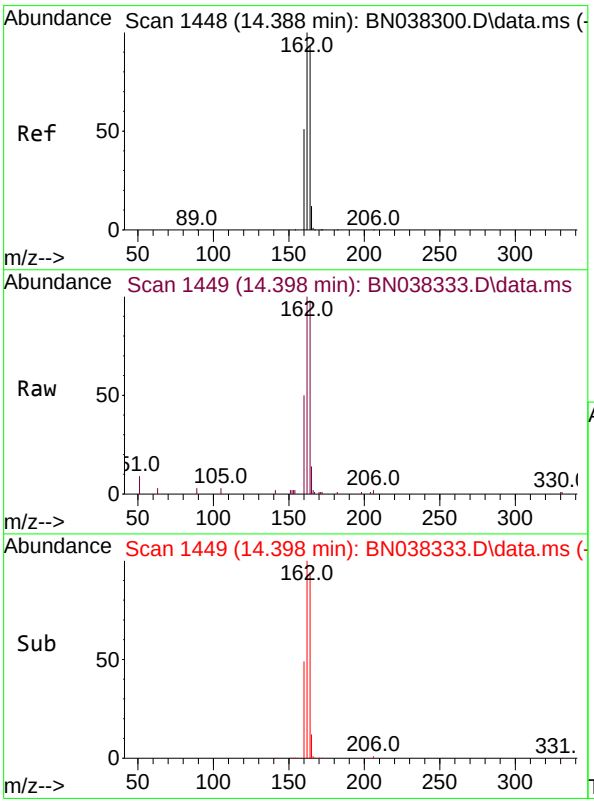
#11
2-Methylnaphthalene-d10
Concen: 0.034 ng
RT: 12.126 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325DL

Tgt Ion:152 Resp: 623

Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.0	25.6

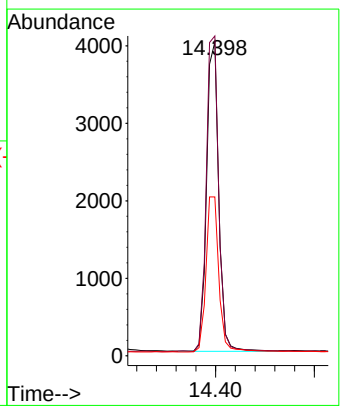


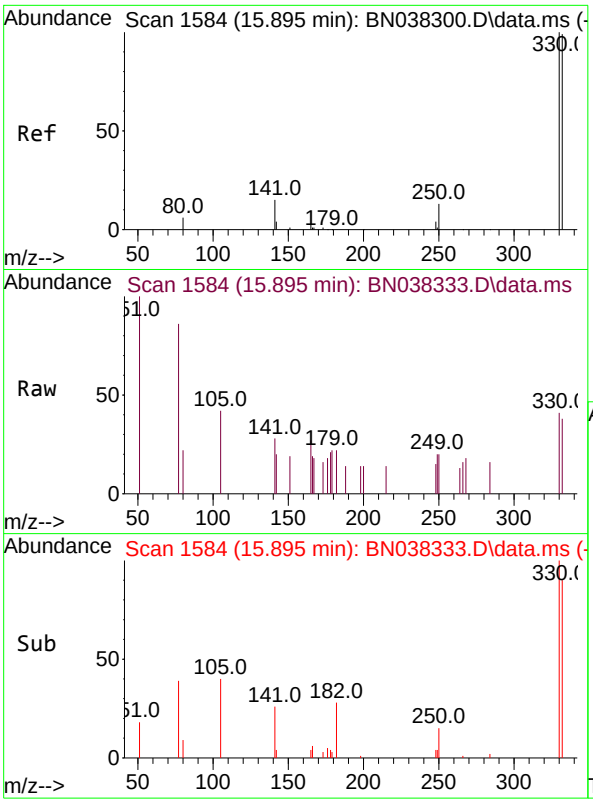


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Tgt Ion:164 Resp: 6799

Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.2	129.4
160	50.7	44.6	67.0



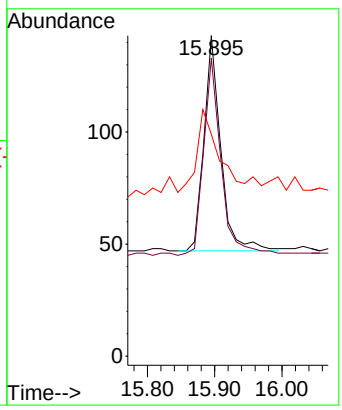


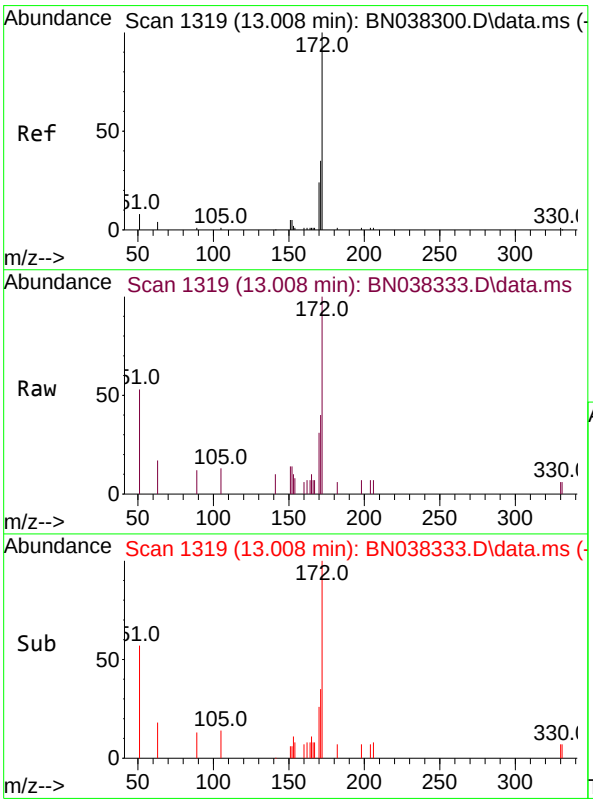
#14
2,4,6-Tribromophenol
Concen: 0.055 ng
RT: 15.895 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325DL

Tgt Ion:330 Resp: 166

Ion	Ratio	Lower	Upper
330	100		
332	98.2	75.8	113.6
141	50.0	31.8	47.8#

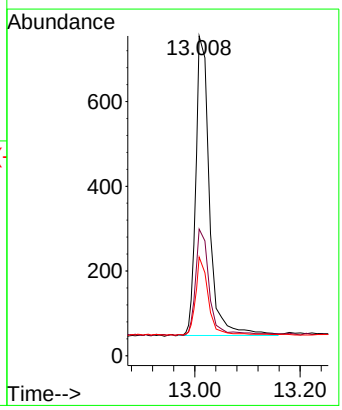


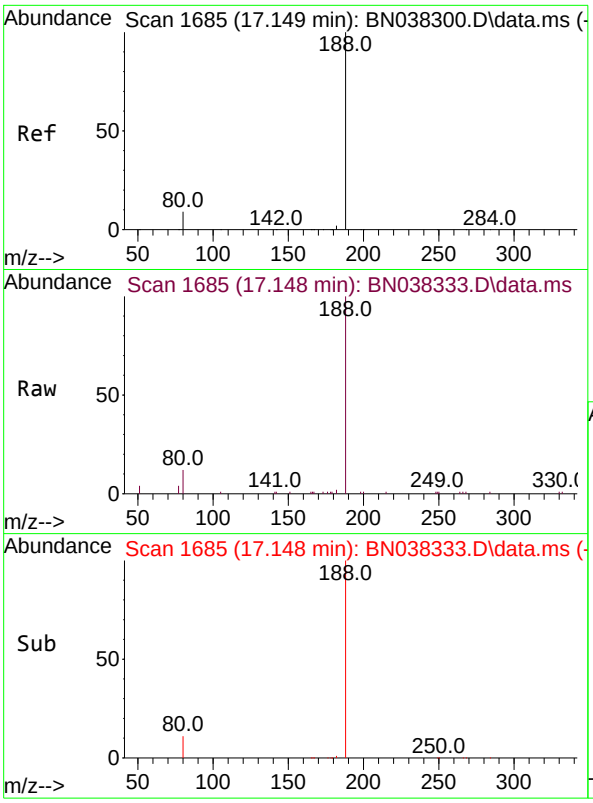


#15
2-Fluorobiphenyl
Concen: 0.041 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Tgt Ion:172 Resp: 1335

Ion	Ratio	Lower	Upper
172	100		
171	39.6	28.6	42.8
170	30.9	19.3	28.9#



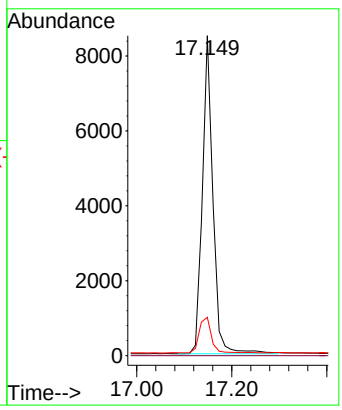


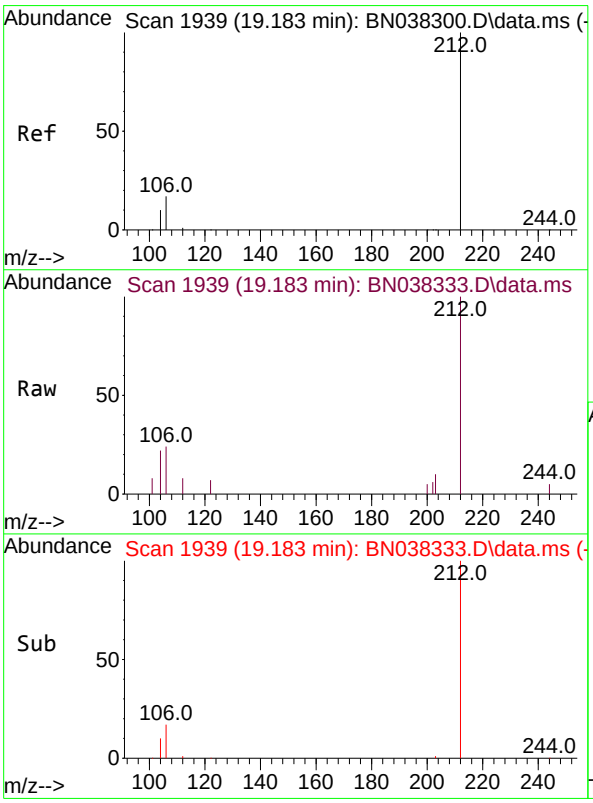
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325DL

Tgt Ion:188 Resp: 13086

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.0	7.4	11.0#

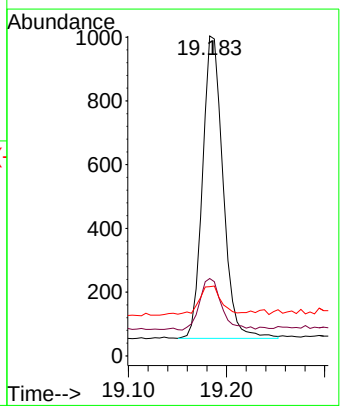


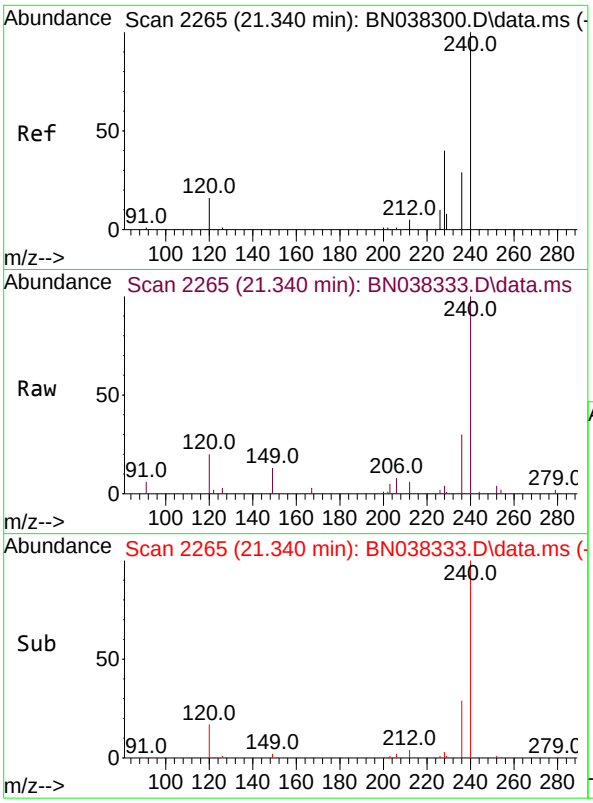


#27
Fluoranthene-d10
Concen: 0.042 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Tgt Ion:212 Resp: 1374

Ion	Ratio	Lower	Upper
212	100		
106	18.3	13.7	20.5
104	10.6	7.8	11.8



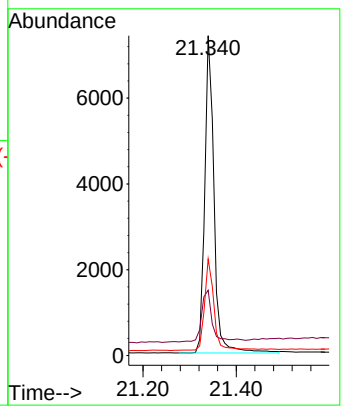


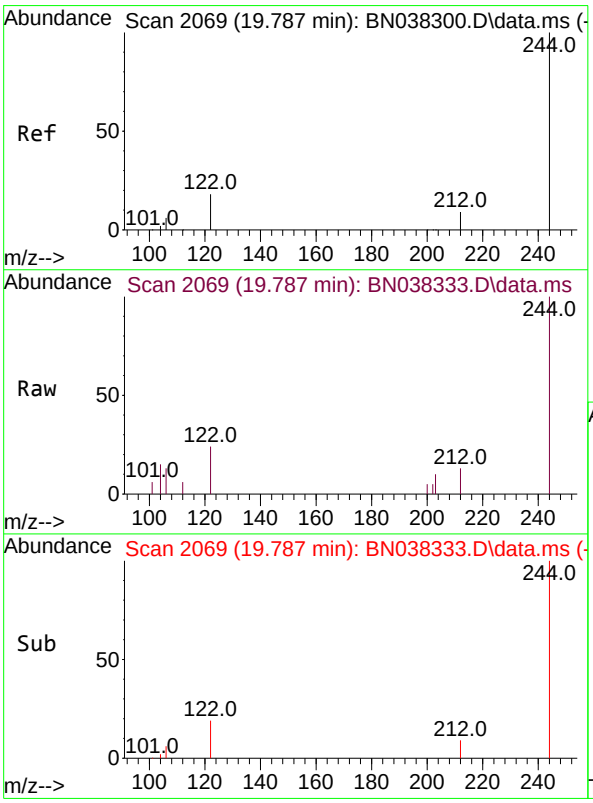
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325DL

Tgt Ion:240 Resp: 10141

Ion	Ratio	Lower	Upper
240	100		
120	20.4	15.4	23.2
236	30.2	23.9	35.9

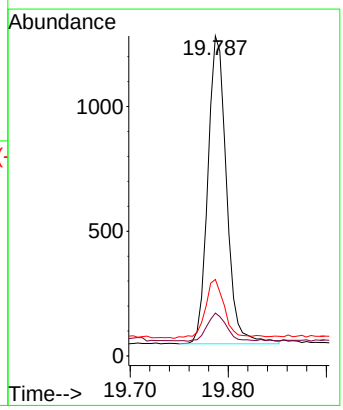


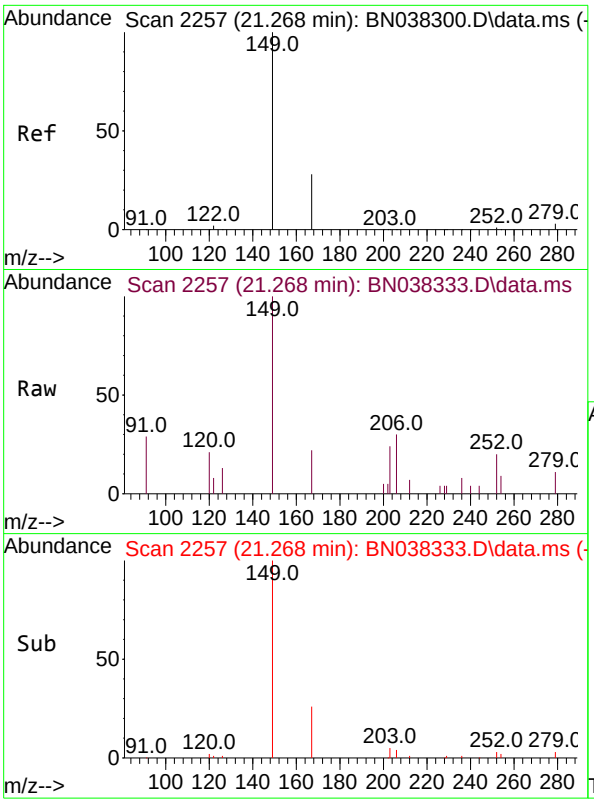


#31
Terphenyl-d14
Concen: 0.072 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Tgt Ion:244 Resp: 1628

Ion	Ratio	Lower	Upper
244	100		
212	13.4	7.9	11.9#
122	23.9	15.0	22.6#



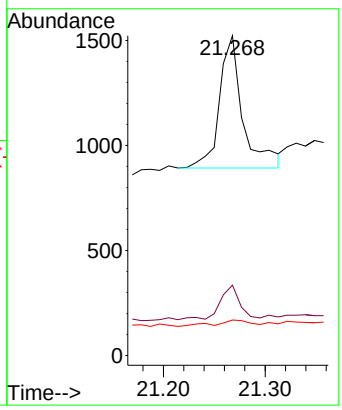


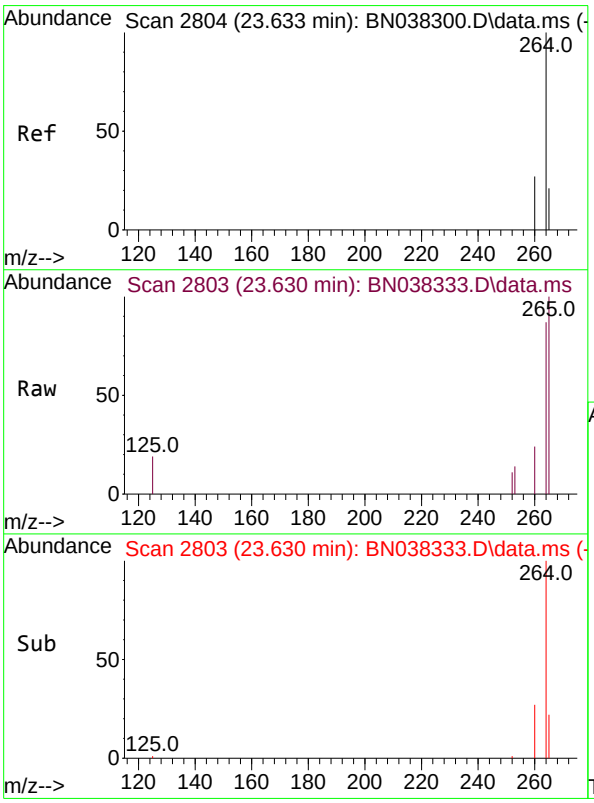
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.047 ng
RT: 21.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Instrument :
BNA_N
ClientSampleId :
BR-03D-490-120325DL

Tgt Ion:149 Resp: 1001

Ion	Ratio	Lower	Upper
149	100		
167	22.1	21.4	32.0
279	7.0	2.4	3.6#

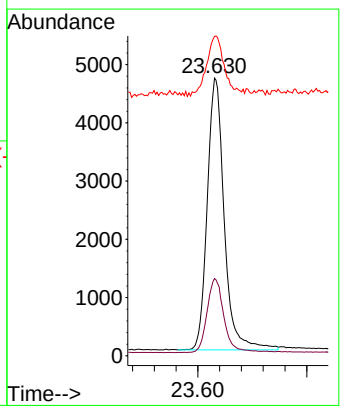




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.630 min Scan# 2803
Delta R.T. -0.003 min
Lab File: BN038333.D
Acq: 12 Dec 2025 01:49

Tgt Ion:264 Resp: 10159

Ion	Ratio	Lower	Upper
264	100		
260	27.8	22.2	33.2
265	115.0	80.2	120.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038314.D
Acq On : 11 Dec 2025 13:01
Operator : RC/JU
Sample : Q3757-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-14B-46-120325

Quant Time: Dec 11 13:29:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

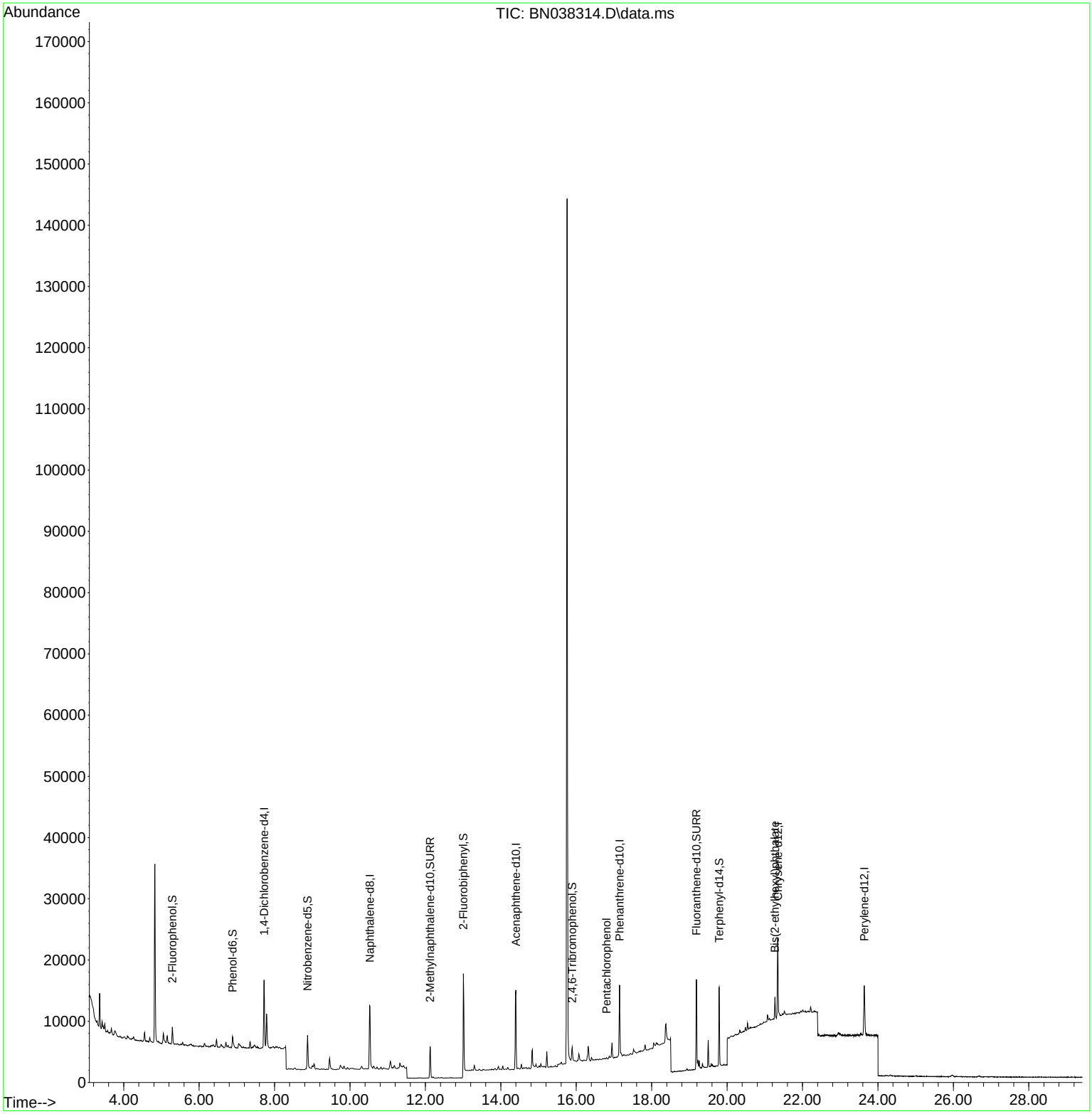
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5537	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	15261	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	7974	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	14786	0.400	ng	# 0.00
29) Chrysene-d12	21.348	240	12326	0.400	ng	0.00
35) Perylene-d12	23.639	264	11109	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	2203	0.160	ng	0.00
5) Phenol-d6	6.886	99	1708	0.104	ng	0.00
8) Nitrobenzene-d5	8.875	82	4665	0.362	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	7173	0.333	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1318	0.373	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	12904	0.336	ng	0.00
27) Fluoranthene-d10	19.187	212	15499	0.424	ng	0.00
31) Terphenyl-d14	19.791	244	11996	0.436	ng	0.00
Target Compounds						Qvalue
24) Pentachlorophenol	16.801	266	122	0.024	ng	93
34) Bis(2-ethylhexyl)phtha...	21.268	149	3399	0.130	ng	# 97

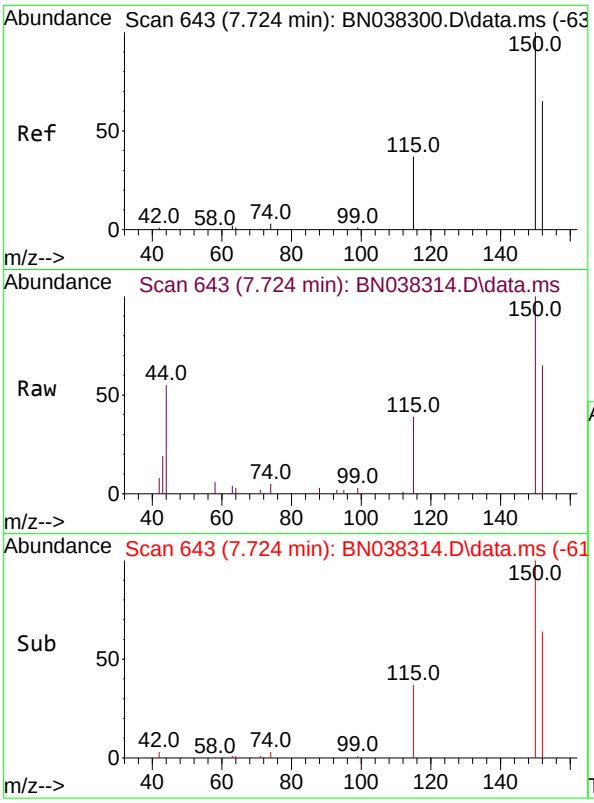
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038314.D
Acq On : 11 Dec 2025 13:01
Operator : RC/JU
Sample : Q3757-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-14B-46-120325

Quant Time: Dec 11 13:29:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



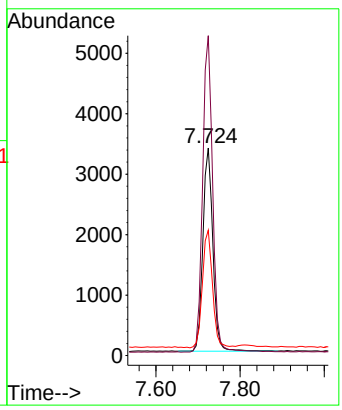


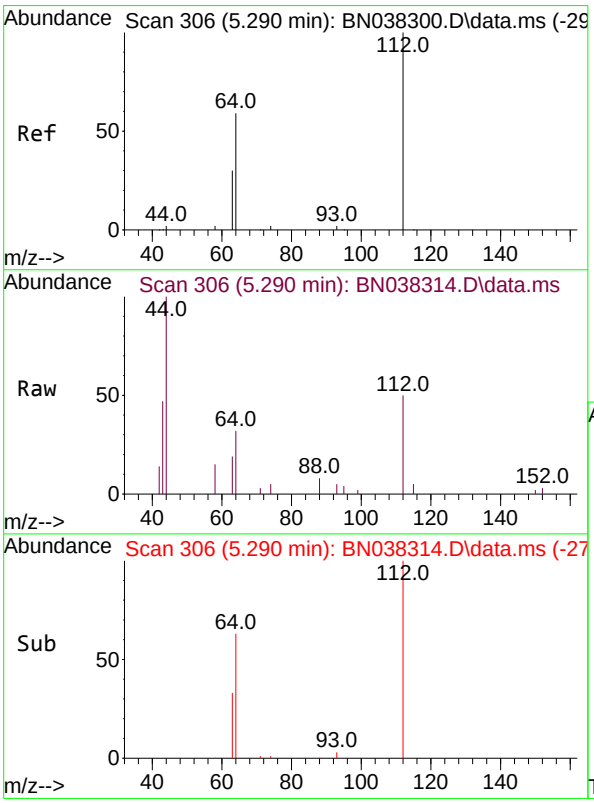
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Instrument :
BNA_N
ClientSampleId :
MW-14B-46-120325

Tgt Ion:152 Resp: 5537

Ion	Ratio	Lower	Upper
152	100		
150	154.2	122.4	183.6
115	60.4	47.3	70.9

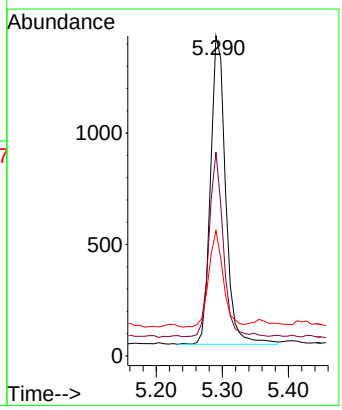


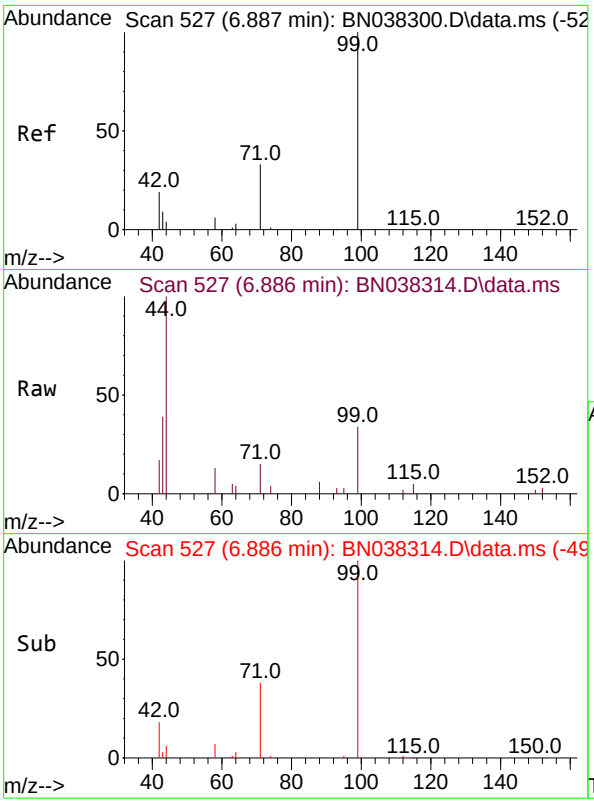


#4
2-Fluorophenol
Concen: 0.160 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Tgt Ion:112 Resp: 2203

Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.4	66.6
63	30.3	23.4	35.0



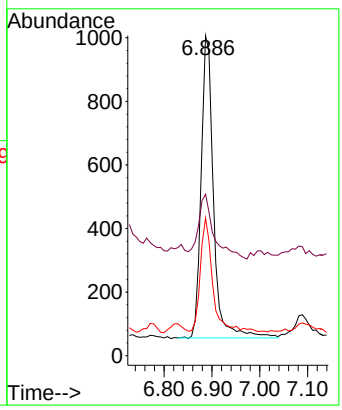


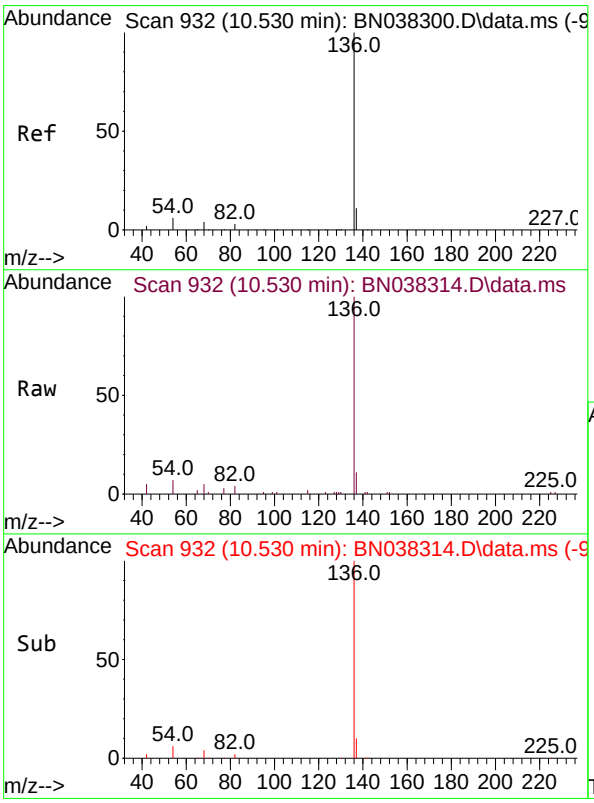
#5
Phenol-d6
Concen: 0.104 ng
RT: 6.886 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Instrument :
BNA_N
ClientSampleId :
MW-14B-46-120325

Tgt Ion: 99 Resp: 1708

Ion	Ratio	Lower	Upper
99	100		
42	27.0	16.5	24.7#
71	36.6	24.9	37.3

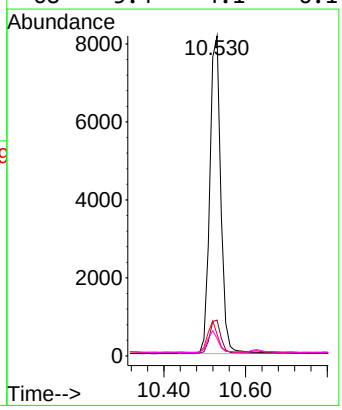


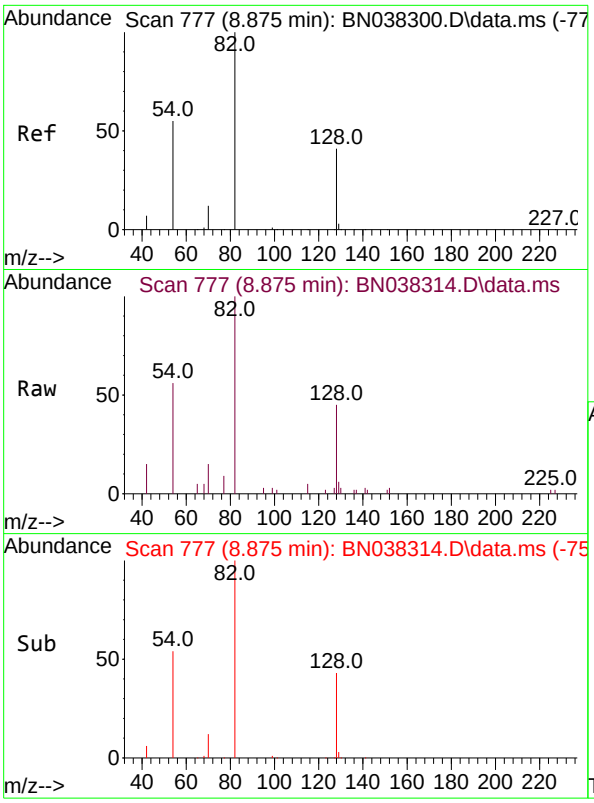


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. -0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Tgt Ion:136 Resp: 15261

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.8	5.2	7.8
68	5.4	4.1	6.1



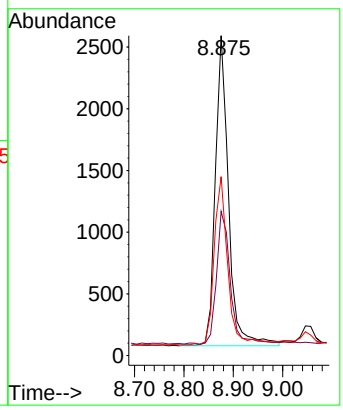


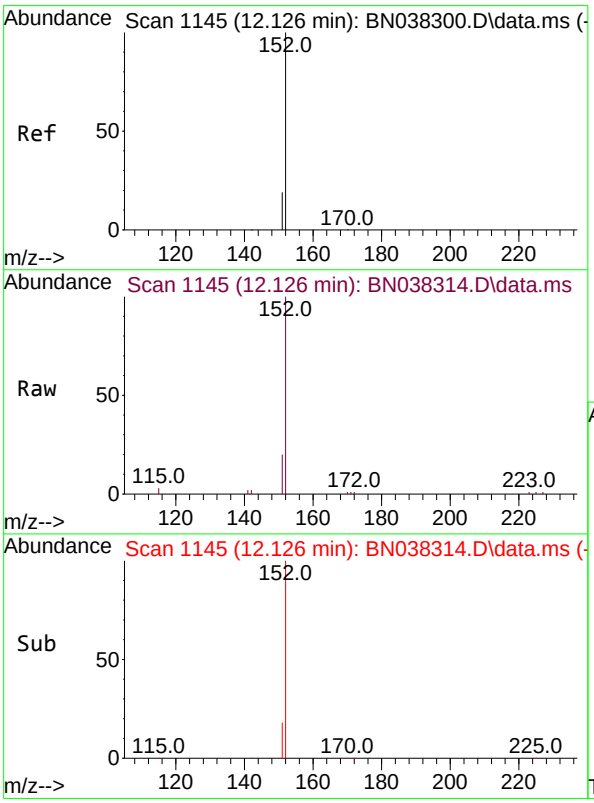
#8
Nitrobenzene-d5
Concen: 0.362 ng
RT: 8.875 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Instrument :
BNA_N
ClientSampleId :
MW-14B-46-120325

Tgt Ion: 82 Resp: 4665

Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.0	51.0
54	55.9	44.4	66.6

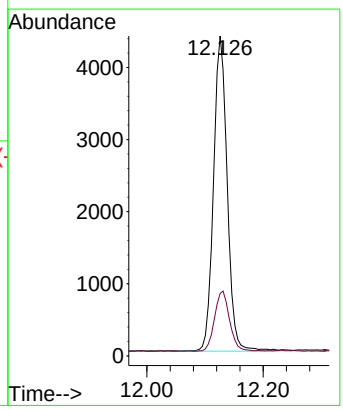


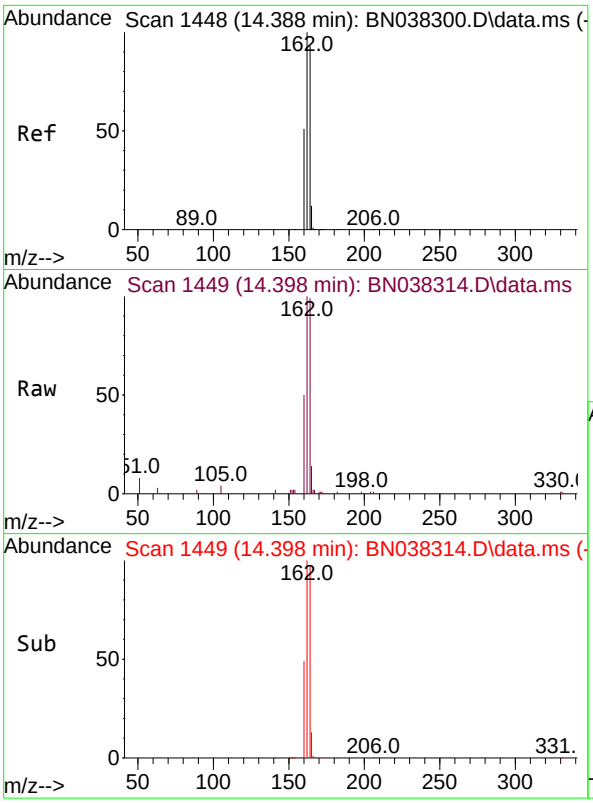


#11
2-Methylnaphthalene-d10
Concen: 0.333 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Tgt Ion:152 Resp: 7173

Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.0	25.6



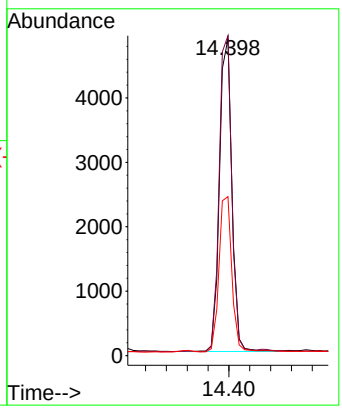


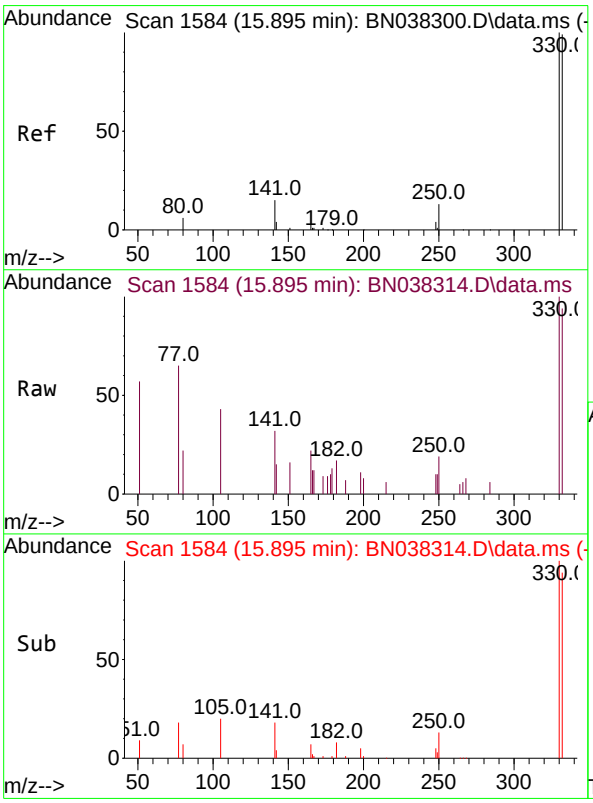
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Instrument :
BNA_N
ClientSampleId :
MW-14B-46-120325

Tgt Ion:164 Resp: 7974

Ion	Ratio	Lower	Upper
164	100		
162	101.0	86.2	129.4
160	50.2	44.6	67.0

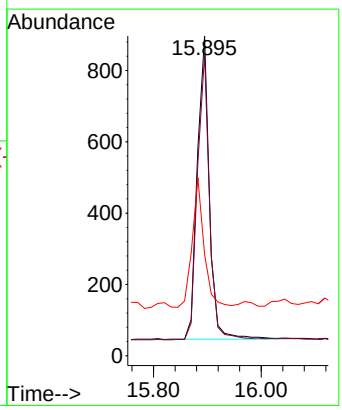


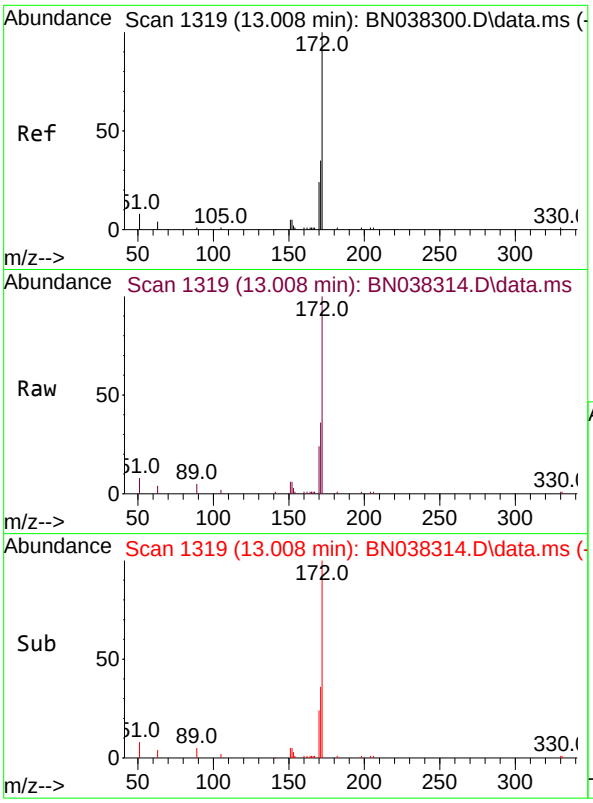


#14
2,4,6-Tribromophenol
Concen: 0.373 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Tgt Ion:330 Resp: 1318

Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.8	113.6
141	42.4	31.8	47.8



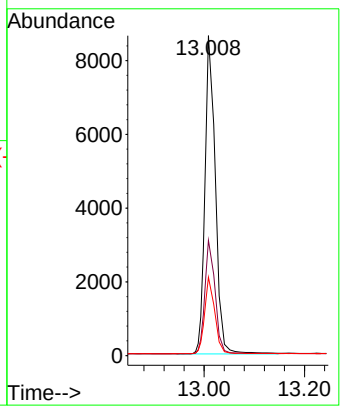


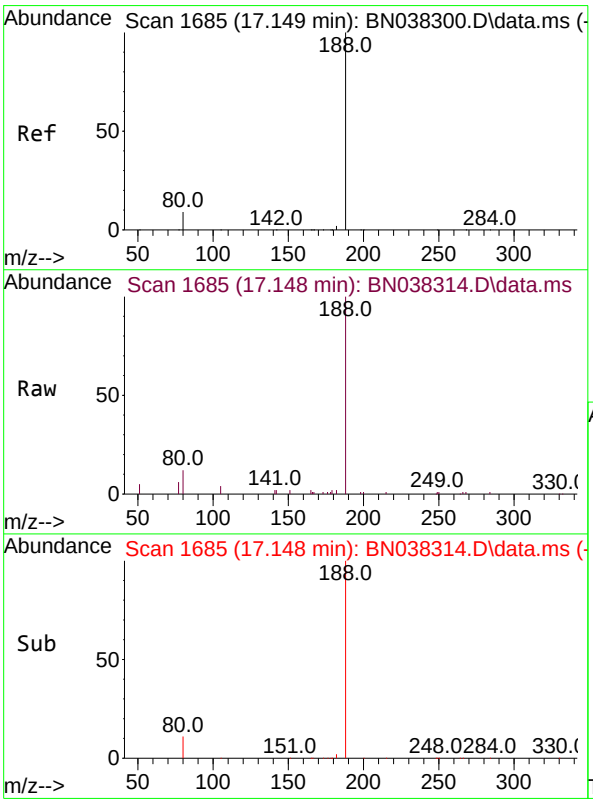
#15
2-Fluorobiphenyl
Concen: 0.336 ng
RT: 13.008 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Instrument :
BNA_N
ClientSampleId :
MW-14B-46-120325

Tgt Ion:172 Resp: 12904

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	42.8
170	24.5	19.3	28.9

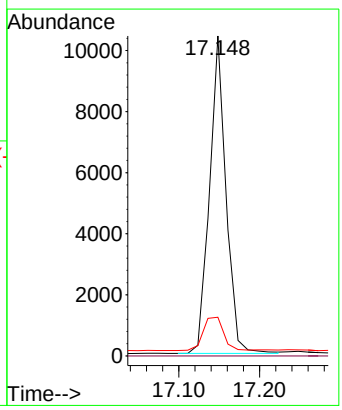


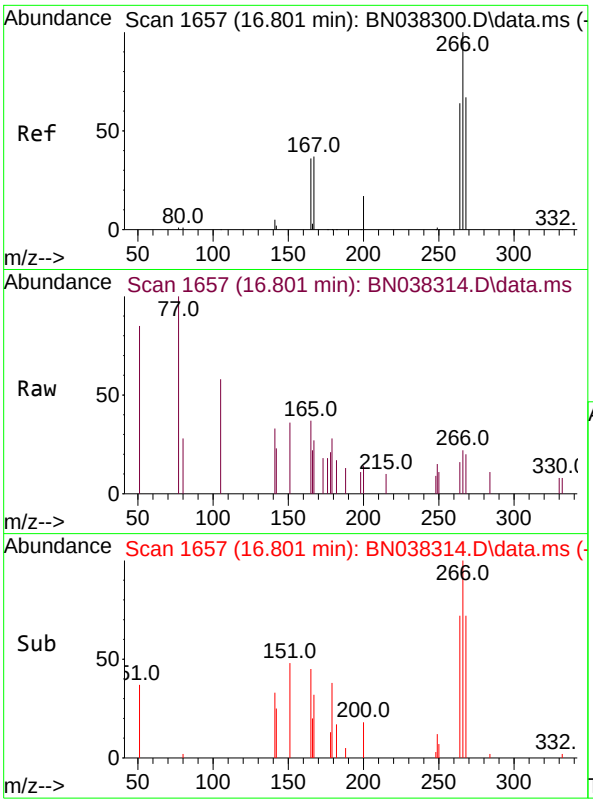


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Tgt Ion:188 Resp: 14786

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.1	7.4	11.0#



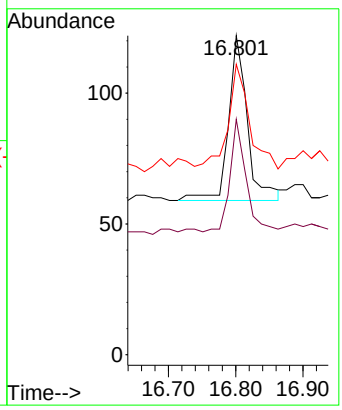


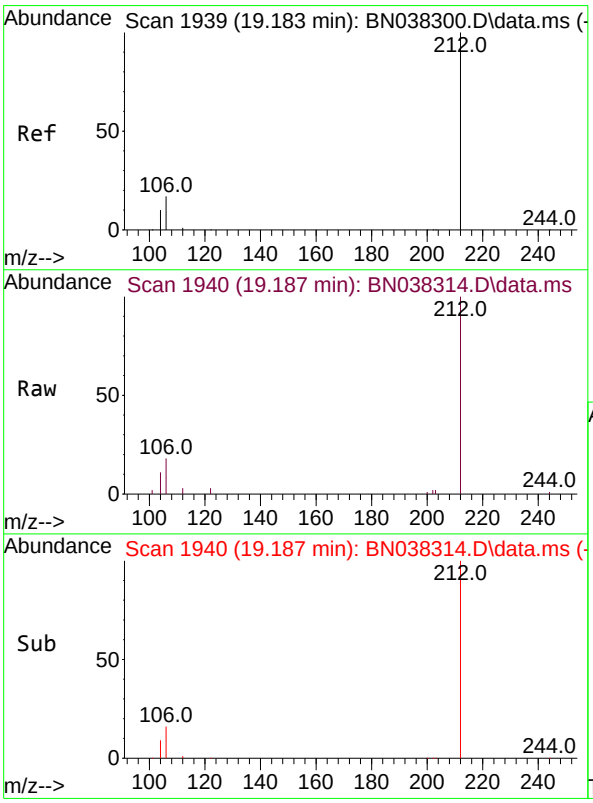
#24
Pentachlorophenol
Concen: 0.024 ng
RT: 16.801 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Instrument :
BNA_N
ClientSampleId :
MW-14B-46-120325

Tgt Ion:266 Resp: 122

Ion	Ratio	Lower	Upper
266	100		
264	58.2	50.2	75.2
268	72.1	52.6	78.8

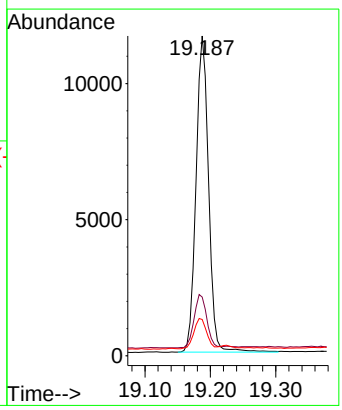


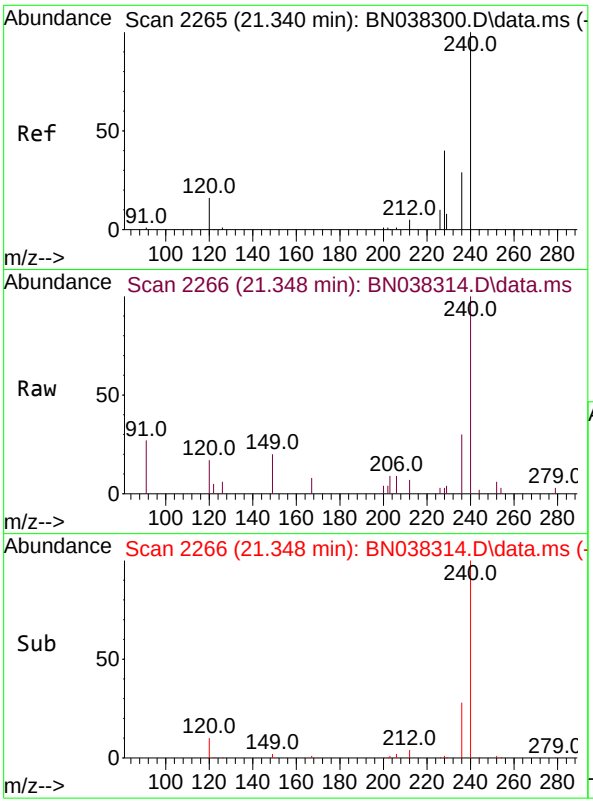


#27
Fluoranthene-d10
Concen: 0.424 ng
RT: 19.187 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Tgt Ion:212 Resp: 15499

Ion	Ratio	Lower	Upper
212	100		
106	17.1	13.7	20.5
104	9.7	7.8	11.8



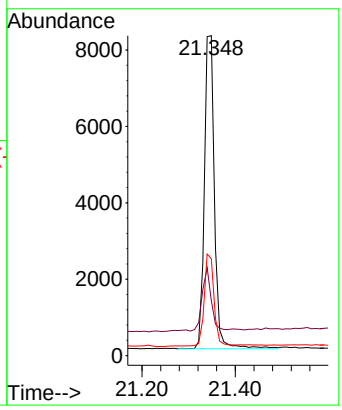


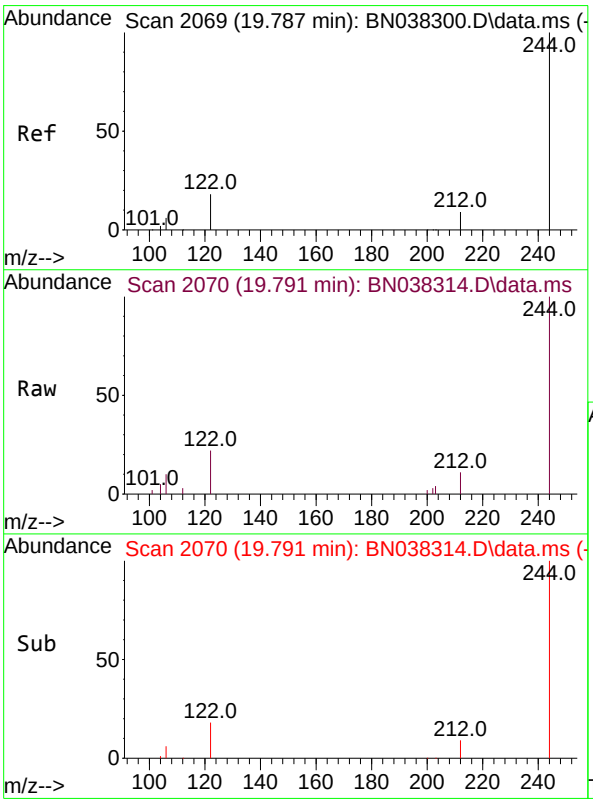
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.348 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Instrument :
BNA_N
ClientSampleId :
MW-14B-46-120325

Tgt Ion:240 Resp: 12326

Ion	Ratio	Lower	Upper
240	100		
120	17.2	15.4	23.2
236	30.3	23.9	35.9

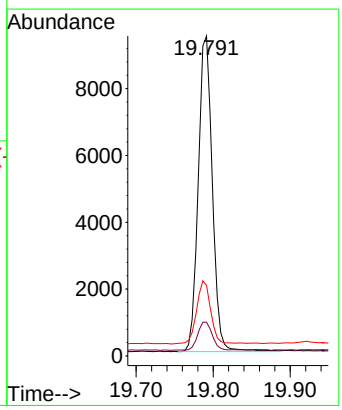


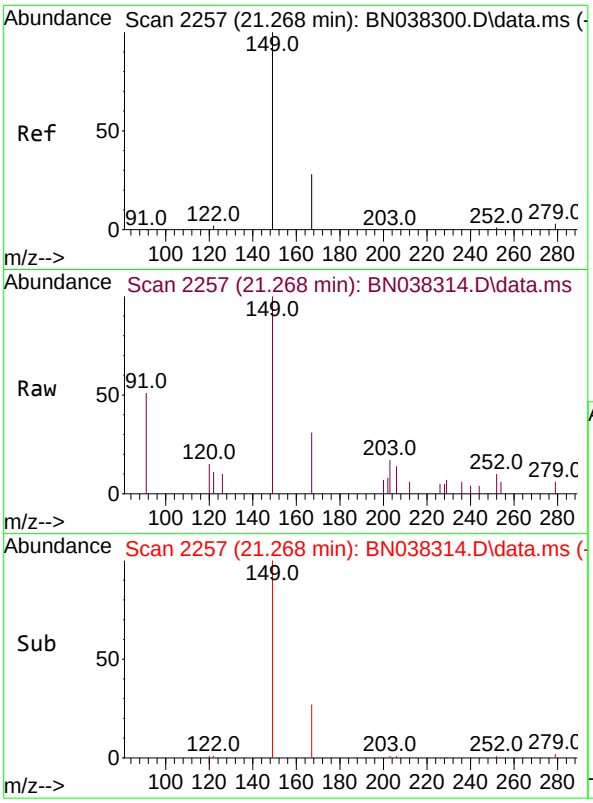


#31
Terphenyl-d14
Concen: 0.436 ng
RT: 19.791 min Scan# 2070
Delta R.T. -0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Tgt Ion:244 Resp: 11996

Ion	Ratio	Lower	Upper
244	100		
212	10.5	7.9	11.9
122	22.1	15.0	22.6



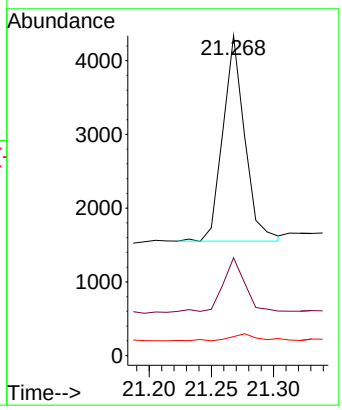


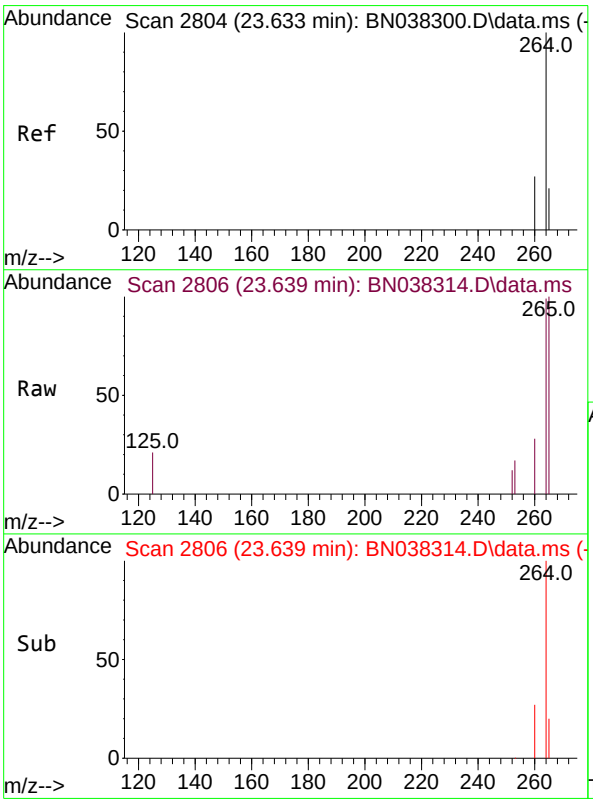
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.130 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Instrument :
BNA_N
ClientSampleId :
MW-14B-46-120325

Tgt Ion:149 Resp: 3399

Ion	Ratio	Lower	Upper
149	100		
167	25.3	21.4	32.0
279	4.1	2.4	3.6#

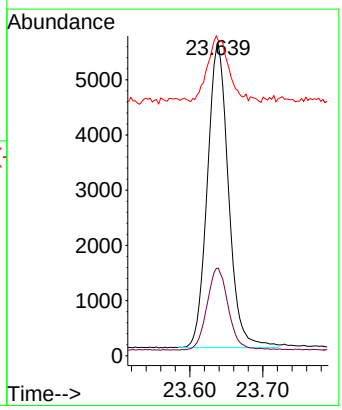




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.639 min Scan# 2806
Delta R.T. 0.006 min
Lab File: BN038314.D
Acq: 11 Dec 2025 13:01

Tgt Ion:264 Resp: 11109

Ion	Ratio	Lower	Upper
264	100		
260	28.2	22.2	33.2
265	101.4	80.2	120.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038315.D
Acq On : 11 Dec 2025 13:38
Operator : RC/JU
Sample : Q3757-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-05B-90.5-120325

Quant Time: Dec 11 14:01:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

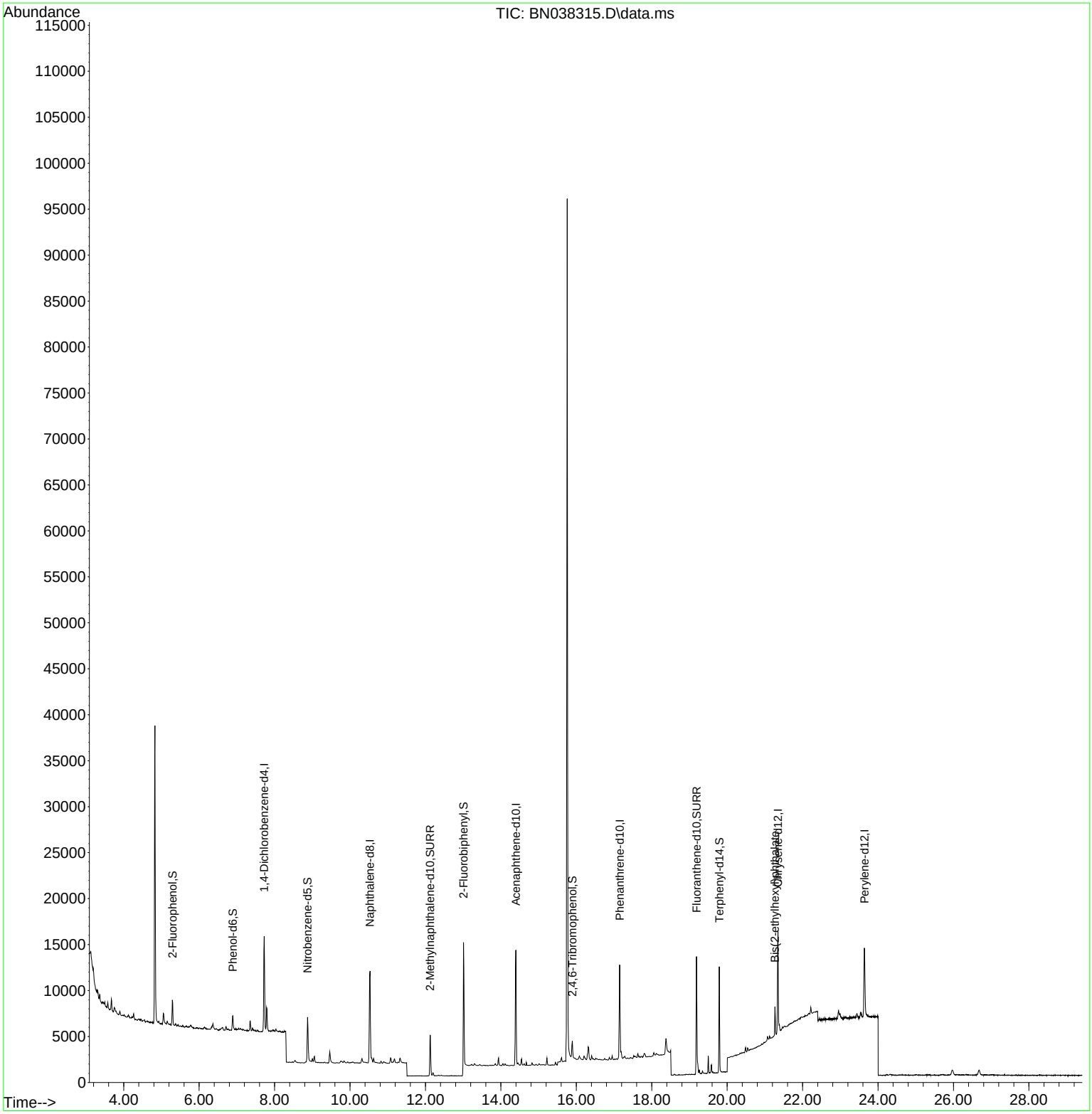
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5204	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	14267	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	7400	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	13201	0.400	ng	# 0.00
29) Chrysene-d12	21.348	240	10541	0.400	ng	# 0.00
35) Perylene-d12	23.639	264	10399	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.298	112	2204	0.170	ng	0.00
5) Phenol-d6	6.894	99	1618	0.105	ng	0.00
8) Nitrobenzene-d5	8.875	82	4325	0.359	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	6402	0.318	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1125	0.343	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	11927	0.335	ng	0.00
27) Fluoranthene-d10	19.187	212	13868	0.425	ng	0.00
31) Terphenyl-d14	19.791	244	10707	0.455	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.268	149	3011	0.135	ng	99

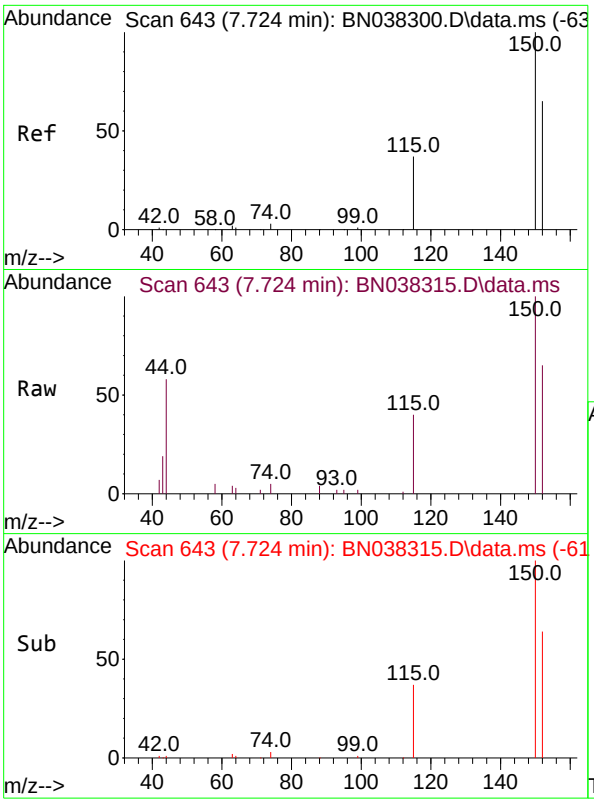
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038315.D
Acq On : 11 Dec 2025 13:38
Operator : RC/JU
Sample : Q3757-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-05B-90.5-120325

Quant Time: Dec 11 14:01:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



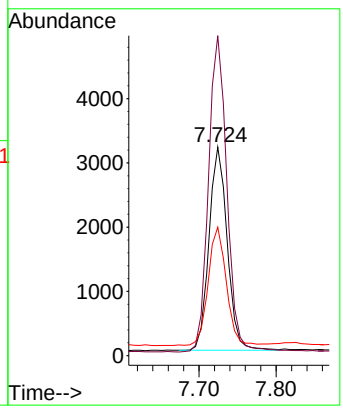


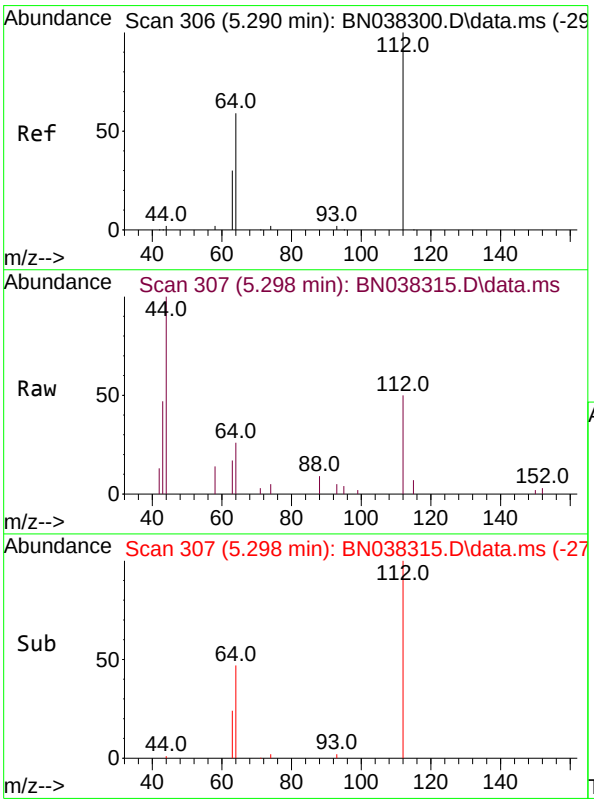
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Instrument :
BNA_N
ClientSampleId :
RMW-05B-90.5-120325

Tgt Ion:152 Resp: 5204

Ion	Ratio	Lower	Upper
152	100		
150	153.4	122.4	183.6
115	61.6	47.3	70.9

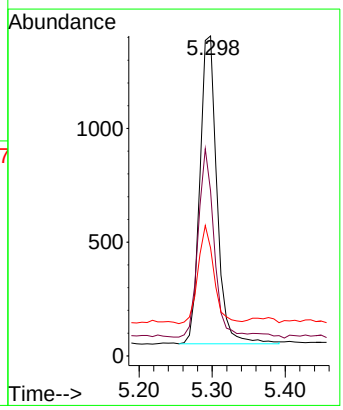


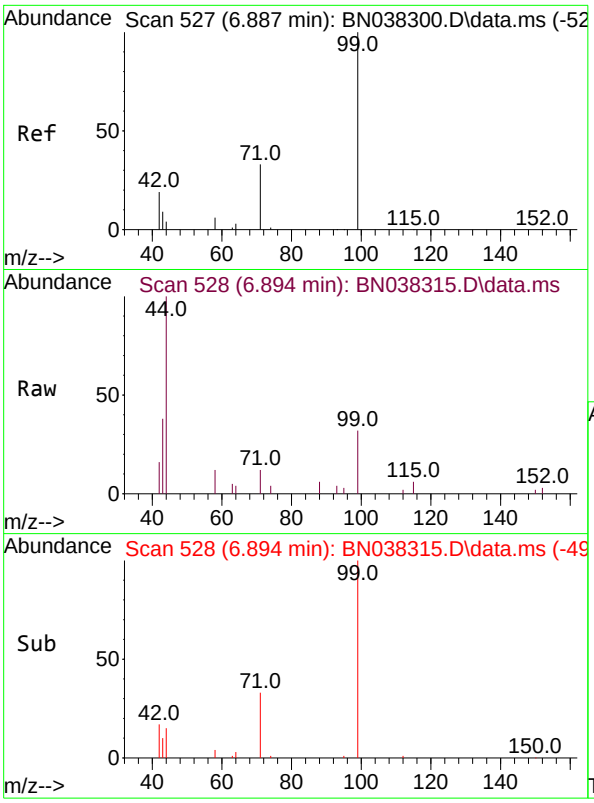


#4
2-Fluorophenol
Concen: 0.170 ng
RT: 5.298 min Scan# 307
Delta R.T. 0.007 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Tgt Ion:112 Resp: 2204

Ion	Ratio	Lower	Upper
112	100		
64	56.3	44.4	66.6
63	29.6	23.4	35.0



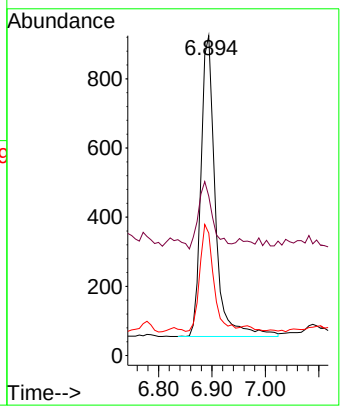


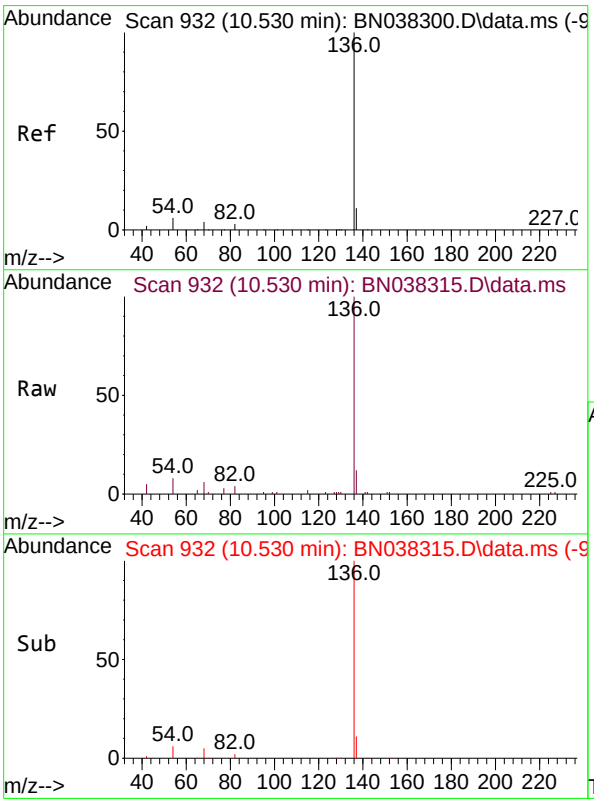
#5
Phenol-d6
Concen: 0.105 ng
RT: 6.894 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Instrument :
BNA_N
ClientSampleId :
RMW-05B-90.5-120325

Tgt Ion: 99 Resp: 1618

Ion	Ratio	Lower	Upper
99	100		
42	22.6	16.5	24.7
71	34.0	24.9	37.3

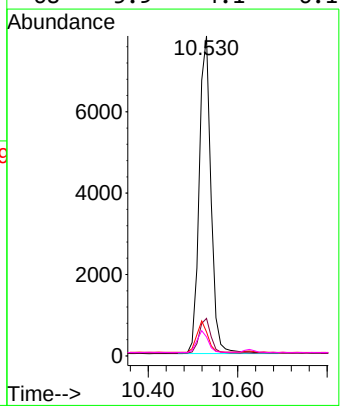


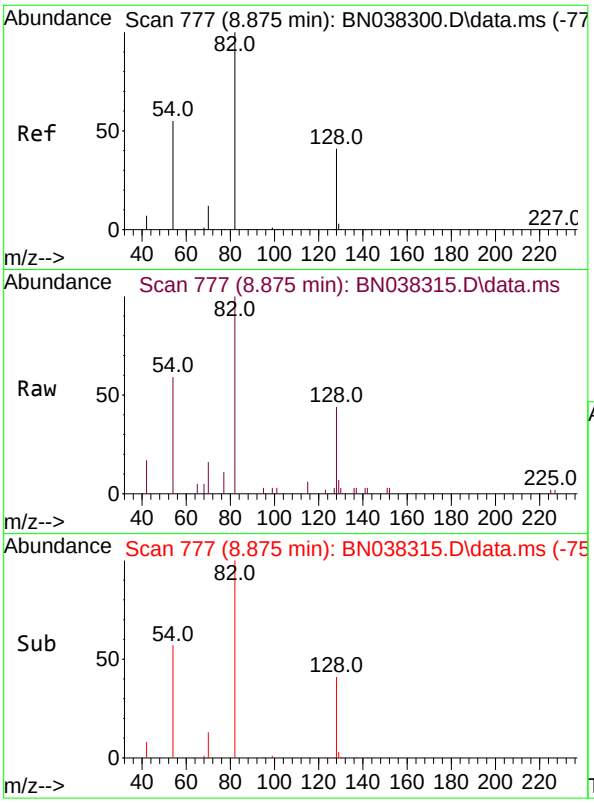


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. -0.000 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Tgt Ion:136 Resp: 14267

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	7.5	5.2	7.8
68	5.9	4.1	6.1



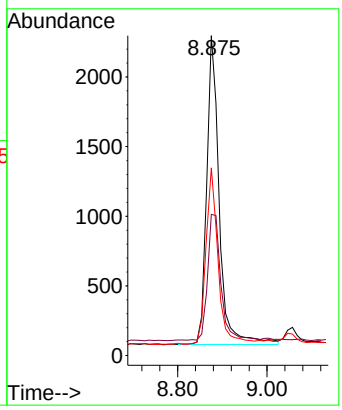


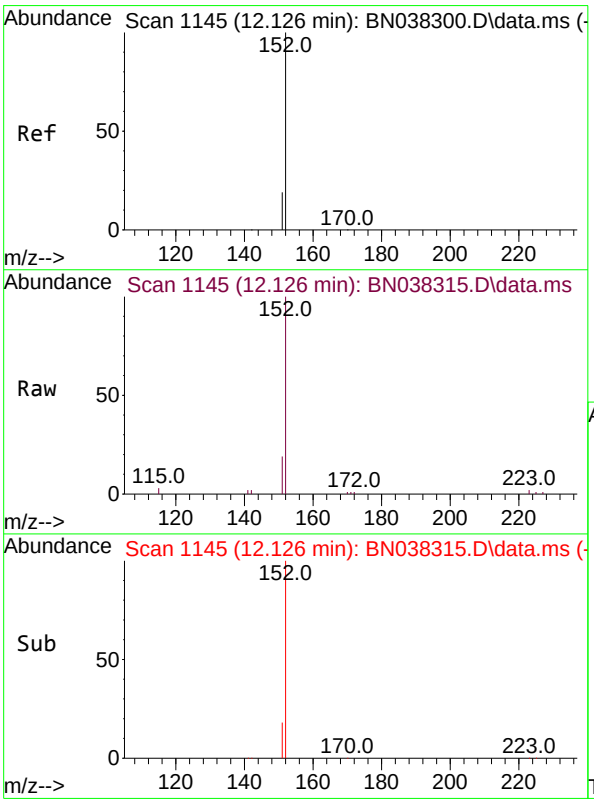
#8
Nitrobenzene-d5
Concen: 0.359 ng
RT: 8.875 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Instrument :
BNA_N
ClientSampleId :
RMW-05B-90.5-120325

Tgt Ion: 82 Resp: 4325

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.0	51.0
54	58.7	44.4	66.6

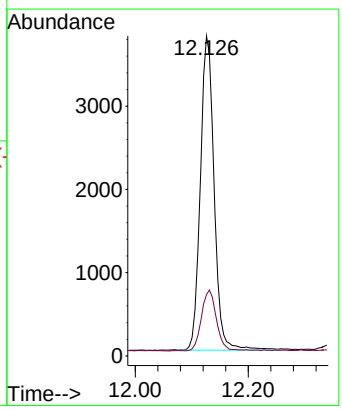


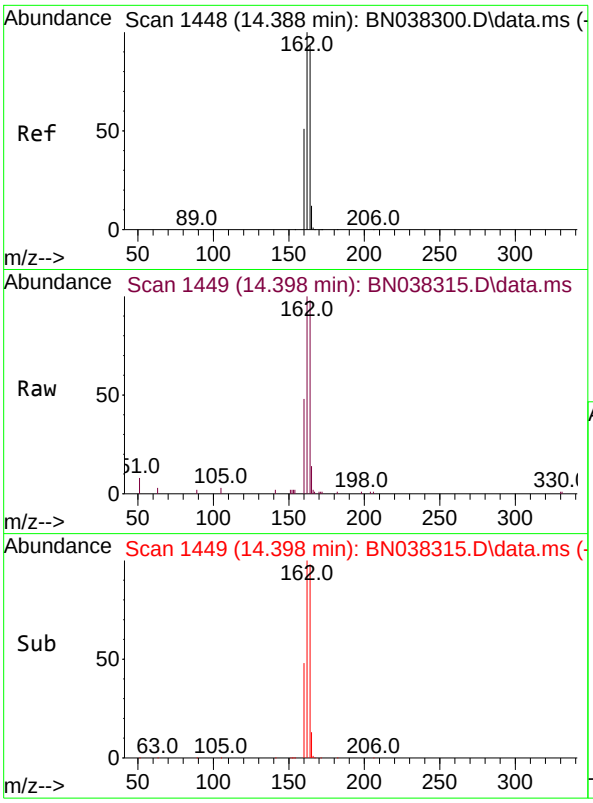


#11
2-Methylnaphthalene-d10
Concen: 0.318 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Tgt Ion:152 Resp: 6402

Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.0	25.6



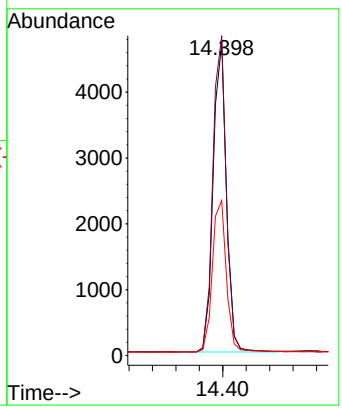


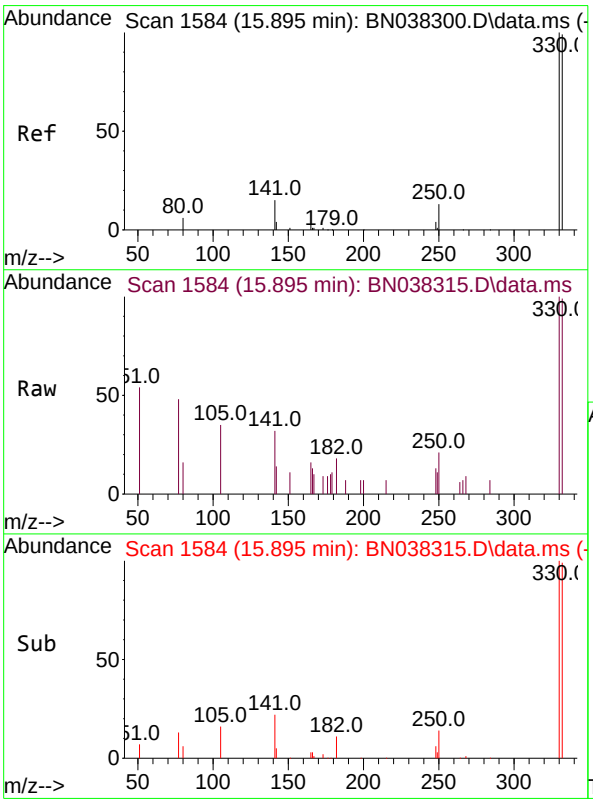
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Instrument :
BNA_N
ClientSampleId :
RMW-05B-90.5-120325

Tgt Ion:164 Resp: 7400

Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.2	129.4
160	49.6	44.6	67.0

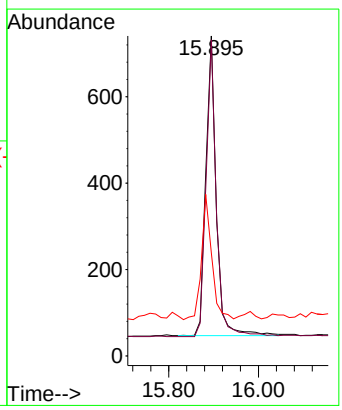


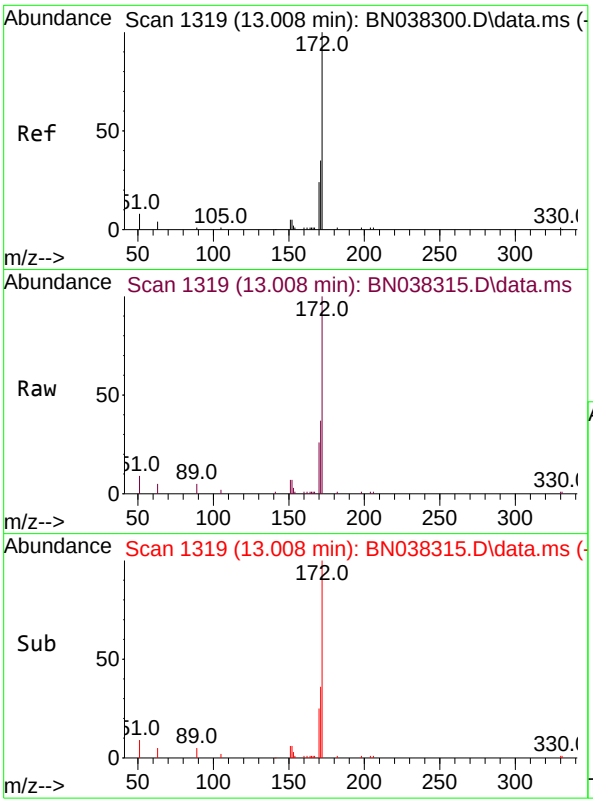


#14
2,4,6-Tribromophenol
Concen: 0.343 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Tgt Ion:330 Resp: 1125

Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.8	113.6
141	41.2	31.8	47.8



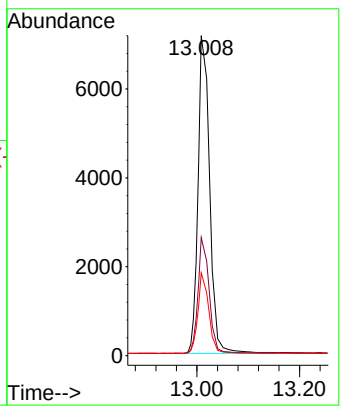


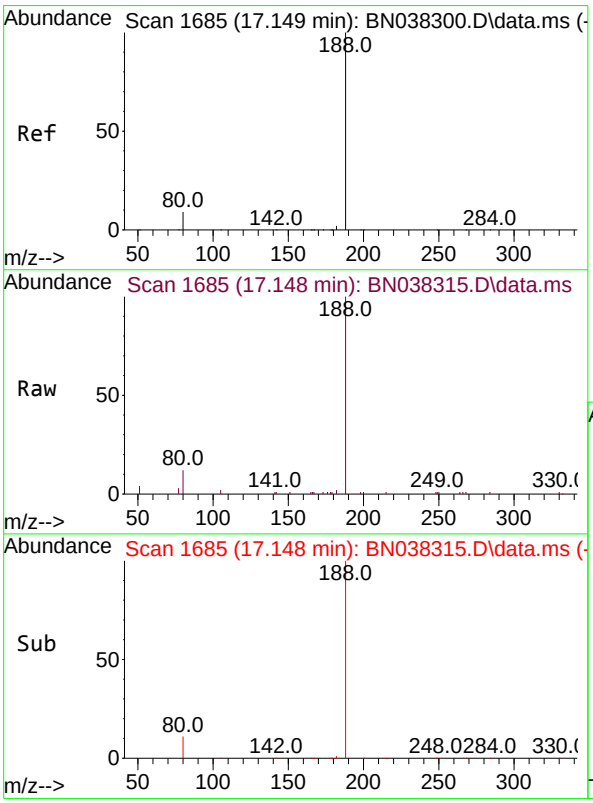
#15
2-Fluorobiphenyl
Concen: 0.335 ng
RT: 13.008 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Instrument :
BNA_N
ClientSampleId :
RMW-05B-90.5-120325

Tgt Ion:172 Resp: 11927

Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.6	42.8
170	25.9	19.3	28.9

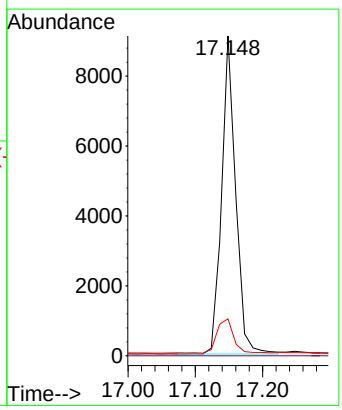


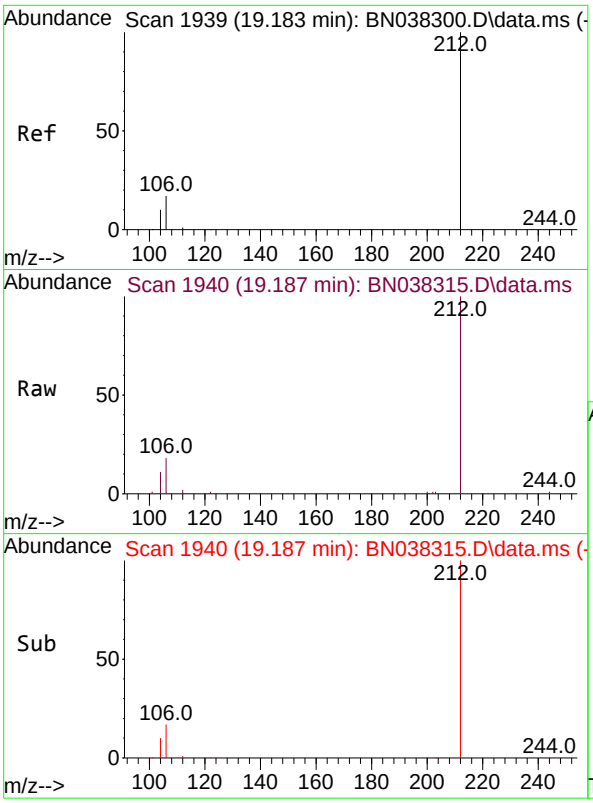


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Tgt Ion:188 Resp: 13201

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	7.4	11.0#



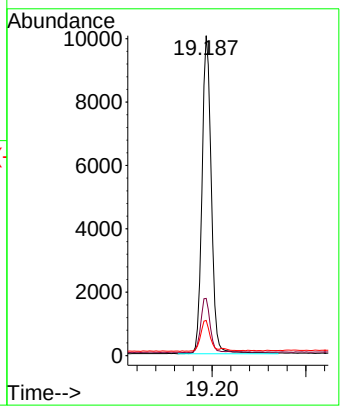


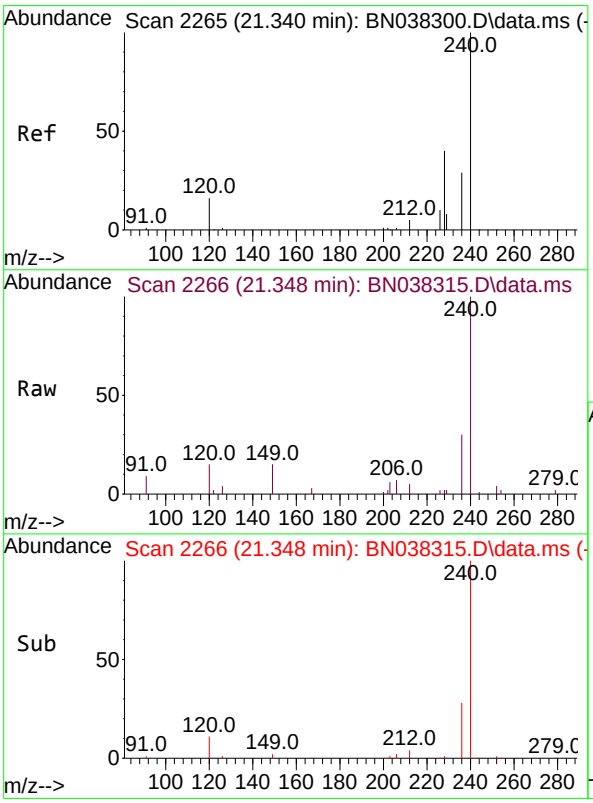
#27
Fluoranthene-d10
Concen: 0.425 ng
RT: 19.187 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Instrument :
BNA_N
ClientSampleId :
RMW-05B-90.5-120325

Tgt Ion:212 Resp: 13868

Ion	Ratio	Lower	Upper
212	100		
106	17.2	13.7	20.5
104	9.6	7.8	11.8

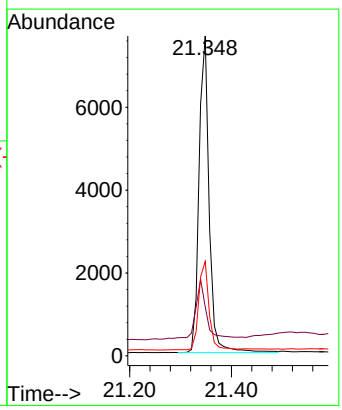


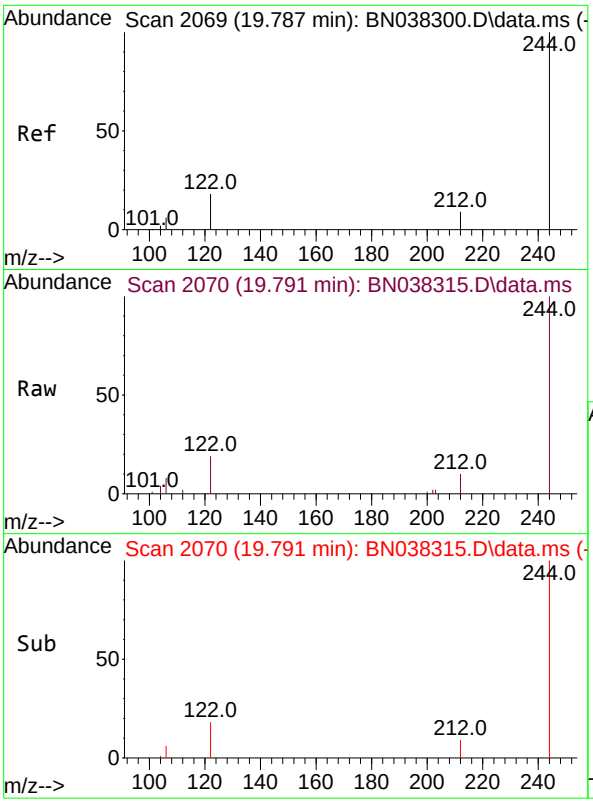


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.348 min Scan# 2266
Delta R.T. 0.009 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Tgt Ion:240 Resp: 10541

Ion	Ratio	Lower	Upper
240	100		
120	15.3	15.4	23.2#
236	29.5	23.9	35.9



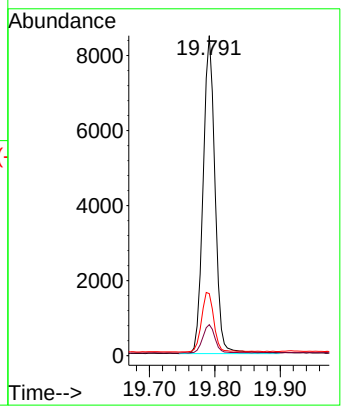


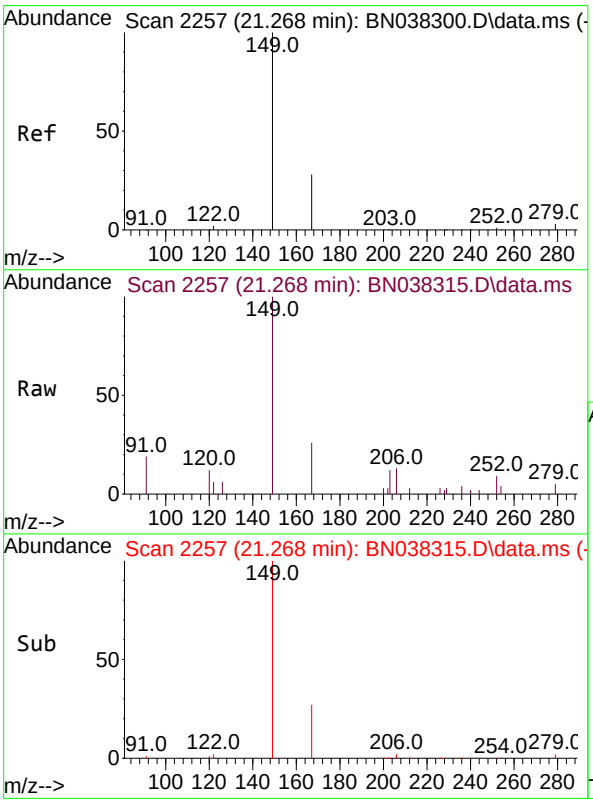
#31
Terphenyl-d14
Concen: 0.455 ng
RT: 19.791 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Instrument :
BNA_N
ClientSampleId :
RMW-05B-90.5-120325

Tgt Ion:244 Resp: 10707

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.9	11.9
122	19.4	15.0	22.6

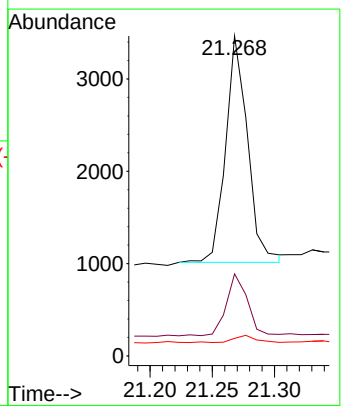


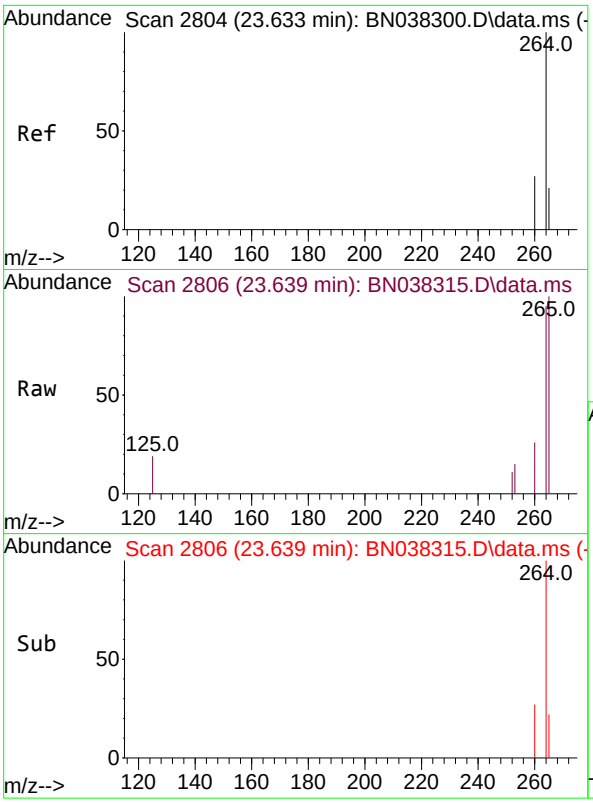


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.135 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Tgt Ion:149 Resp: 3011

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.4	32.0
279	3.3	2.4	3.6



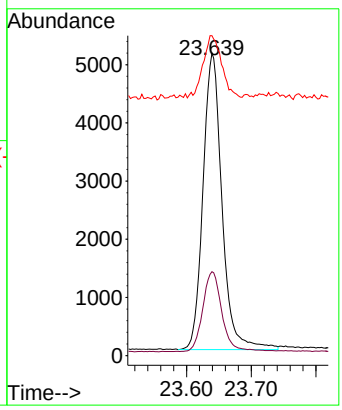


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.639 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN038315.D
Acq: 11 Dec 2025 13:38

Instrument :
BNA_N
ClientSampleId :
RMW-05B-90.5-120325

Tgt Ion:264 Resp: 10399

Ion	Ratio	Lower	Upper
264	100		
260	27.8	22.2	33.2
265	105.8	80.2	120.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038316.D
Acq On : 11 Dec 2025 14:14
Operator : RC/JU
Sample : Q3757-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-05B-72-120325

Quant Time: Dec 11 14:38:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

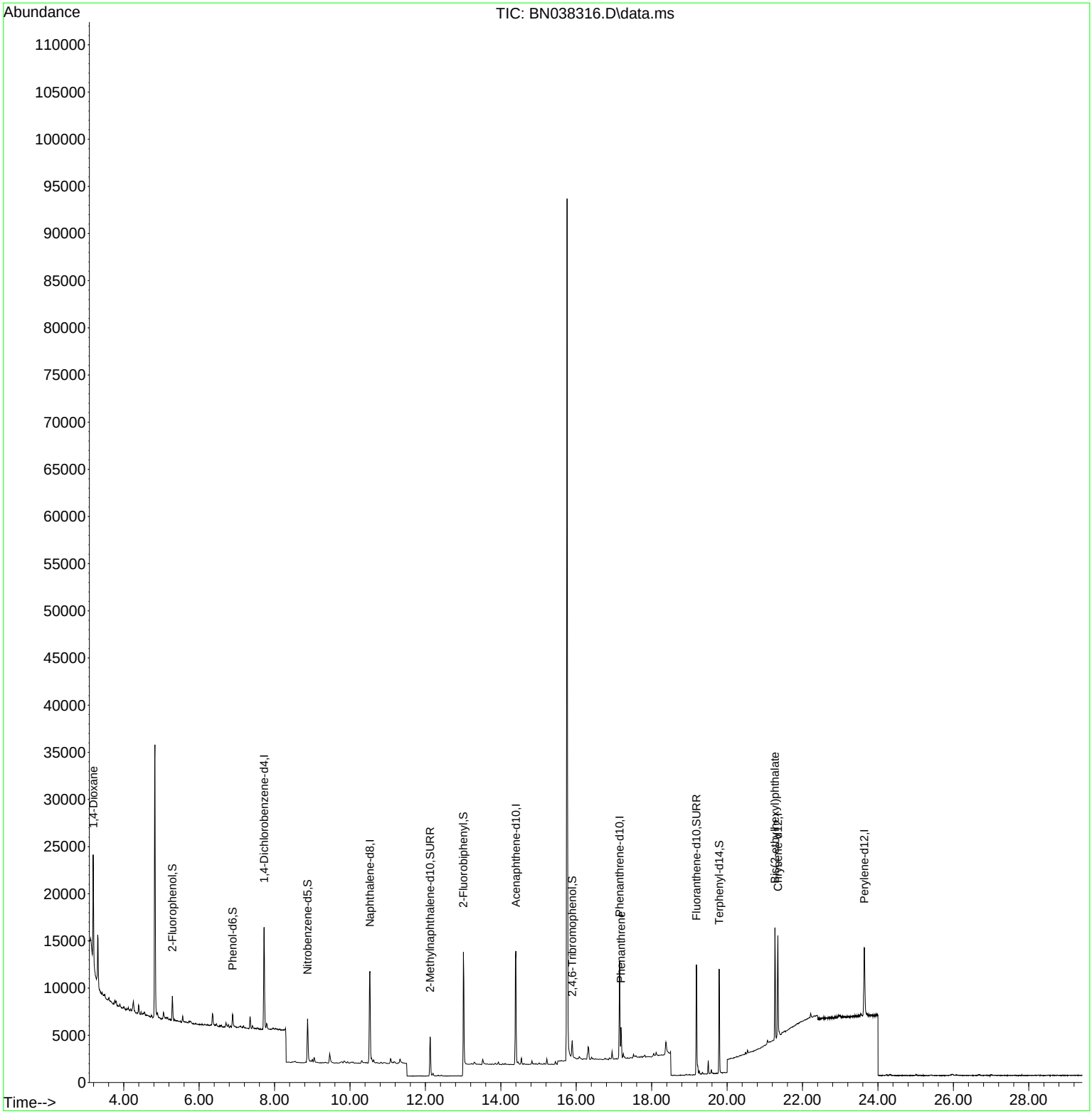
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5450	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	14372	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	7355	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	13319	0.400	ng	# 0.00
29) Chrysene-d12	21.349	240	10405	0.400	ng	0.00
35) Perylene-d12	23.639	264	10487	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	2065	0.152	ng	0.00
5) Phenol-d6	6.887	99	1378	0.085	ng	0.00
8) Nitrobenzene-d5	8.875	82	4144	0.342	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	5838	0.288	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1043	0.320	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	10746	0.303	ng	0.00
27) Fluoranthene-d10	19.187	212	12740	0.387	ng	0.00
31) Terphenyl-d14	19.791	244	10158	0.437	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	6694	1.071	ng	# 93
25) Phenanthrene	17.186	178	3533	0.076	ng	98
34) Bis(2-ethylhexyl)phtha...	21.268	149	10515	0.477	ng	100

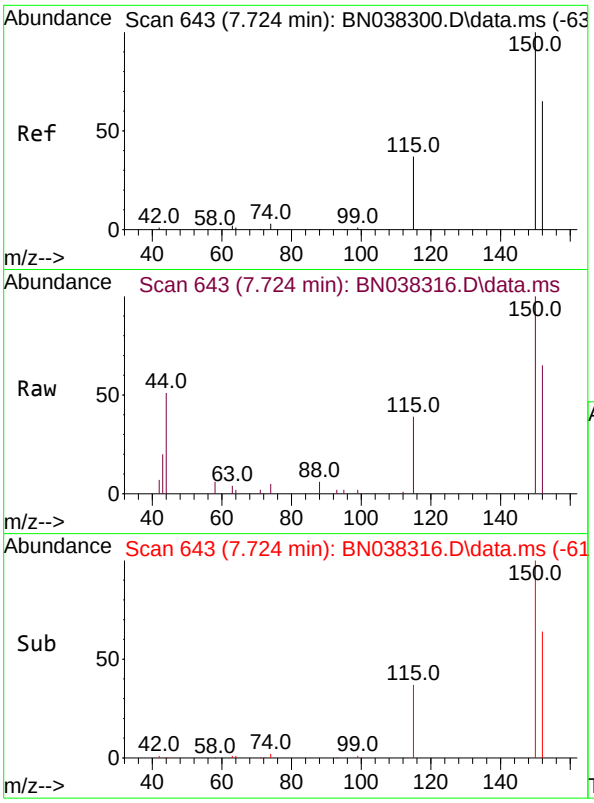
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038316.D
Acq On : 11 Dec 2025 14:14
Operator : RC/JU
Sample : Q3757-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-05B-72-120325

Quant Time: Dec 11 14:38:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



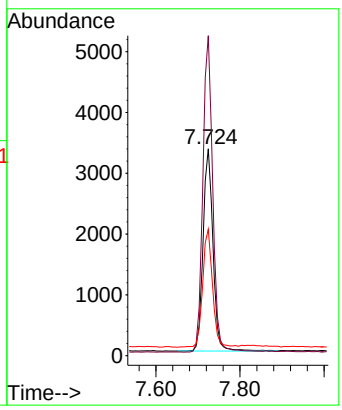


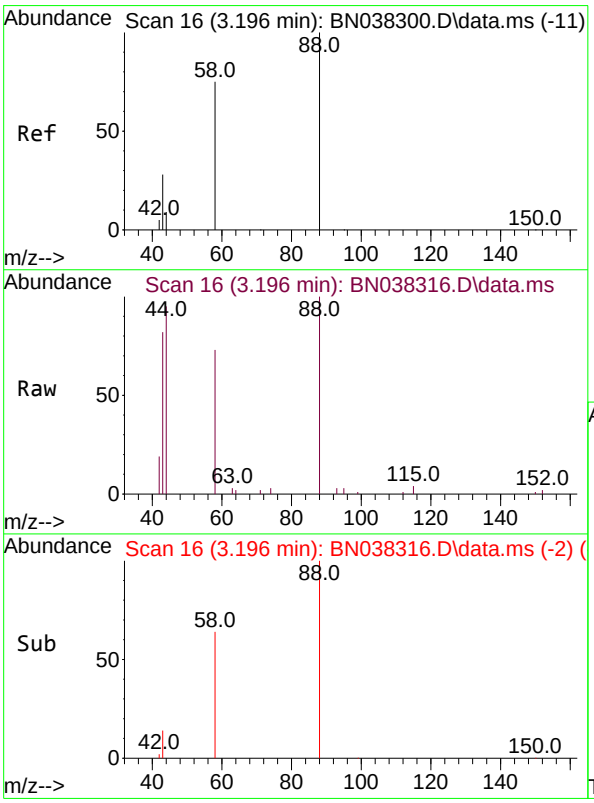
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Instrument :
BNA_N
ClientSampleId :
OW-05B-72-120325

Tgt Ion:152 Resp: 5450

Ion	Ratio	Lower	Upper
152	100		
150	154.8	122.4	183.6
115	61.1	47.3	70.9

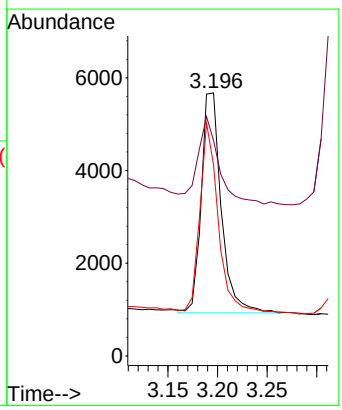


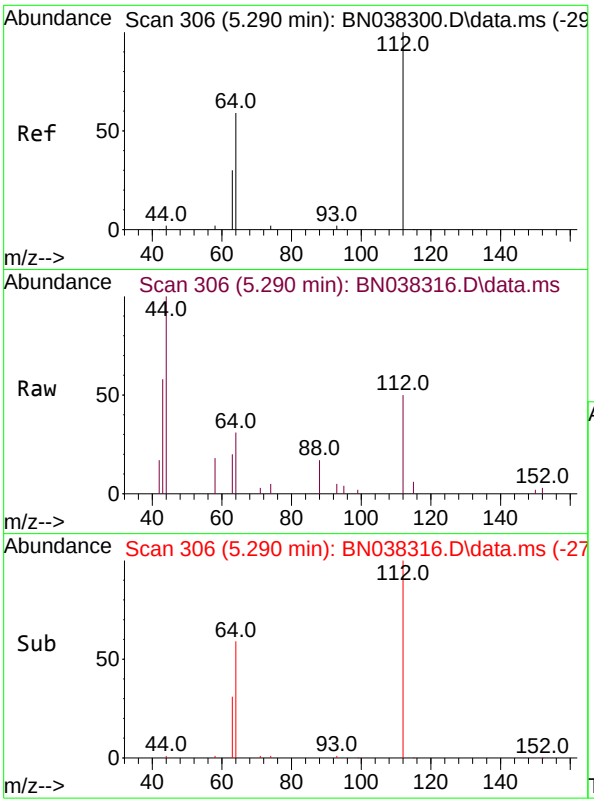


#2
1,4-Dioxane
Concen: 1.071 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Tgt Ion: 88 Resp: 6694

Ion	Ratio	Lower	Upper
88	100		
43	43.1	24.9	37.3#
58	77.8	61.4	92.0



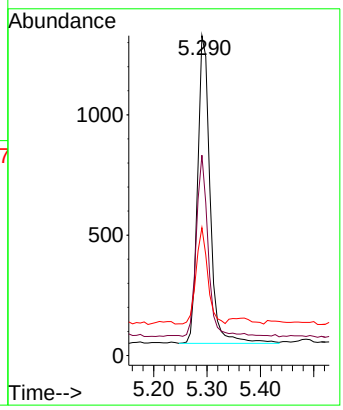


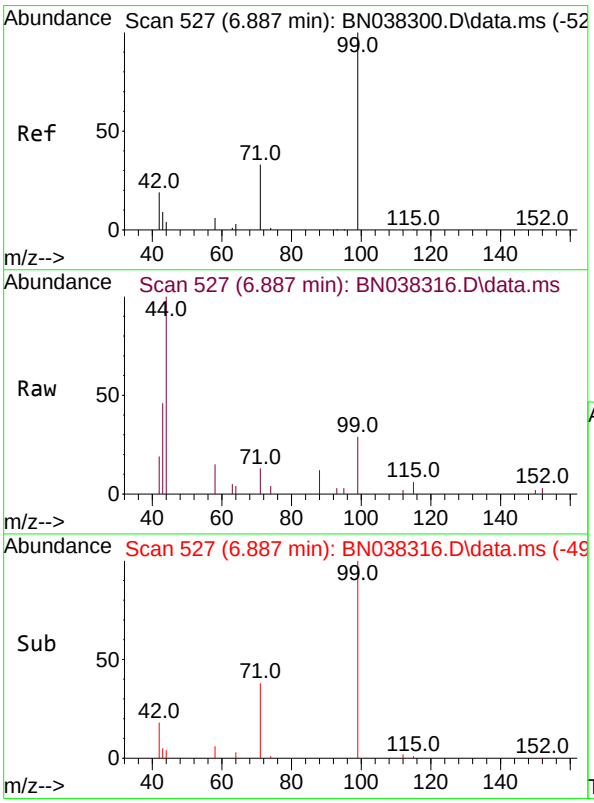
#4
2-Fluorophenol
Concen: 0.152 ng
RT: 5.290 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Instrument :
BNA_N
ClientSampleId :
OW-05B-72-120325

Tgt Ion:112 Resp: 2065

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.4	66.6
63	29.0	23.4	35.0

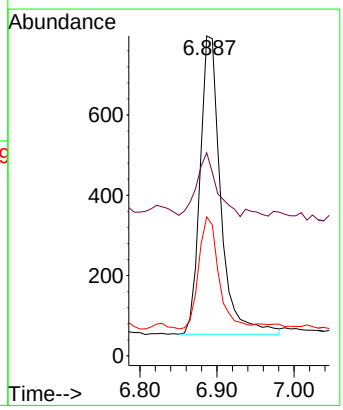


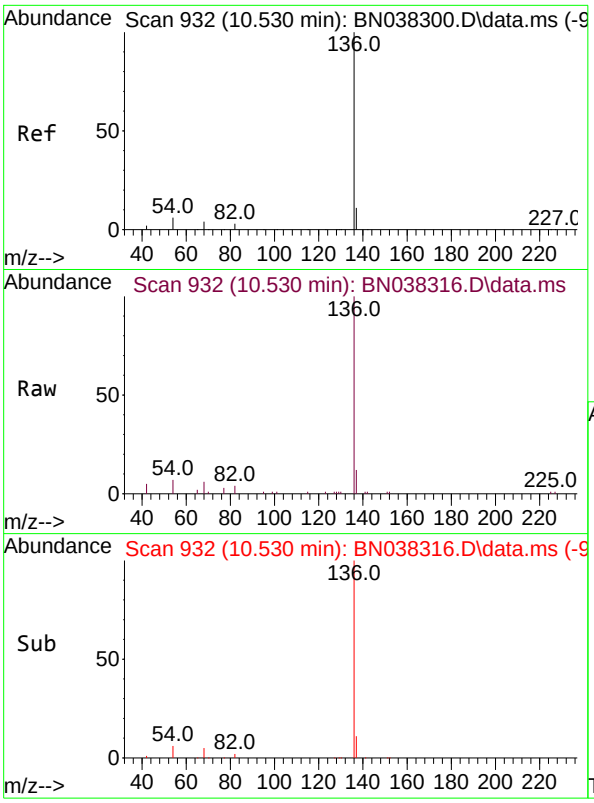


#5
Phenol-d6
Concen: 0.085 ng
RT: 6.887 min Scan# 527
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Tgt Ion: 99 Resp: 1378

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.5	24.7
71	36.7	24.9	37.3



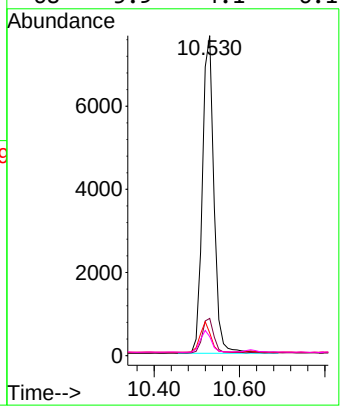


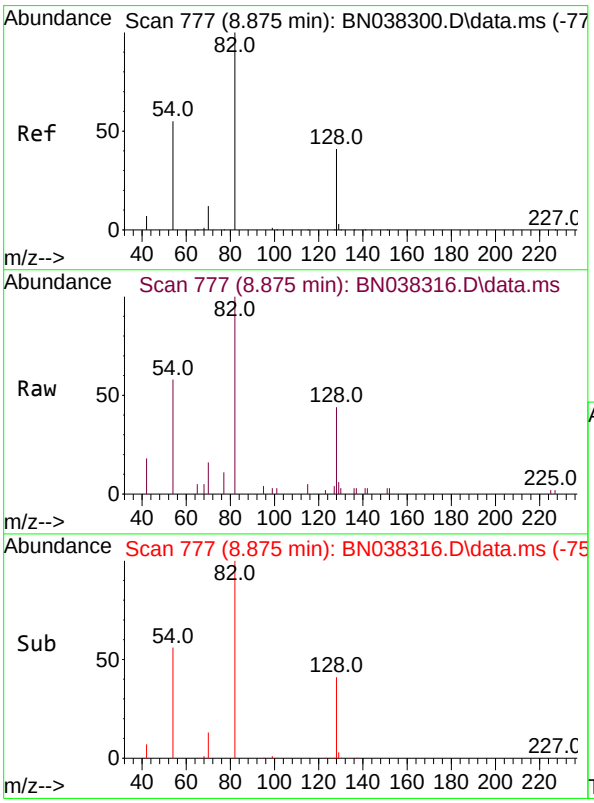
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Instrument :
BNA_N
ClientSampleId :
OW-05B-72-120325

Tgt Ion:136 Resp: 14372

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	7.1	5.2	7.8
68	5.9	4.1	6.1

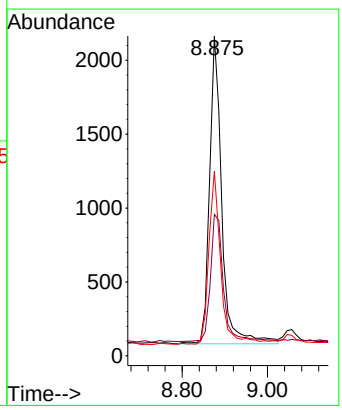


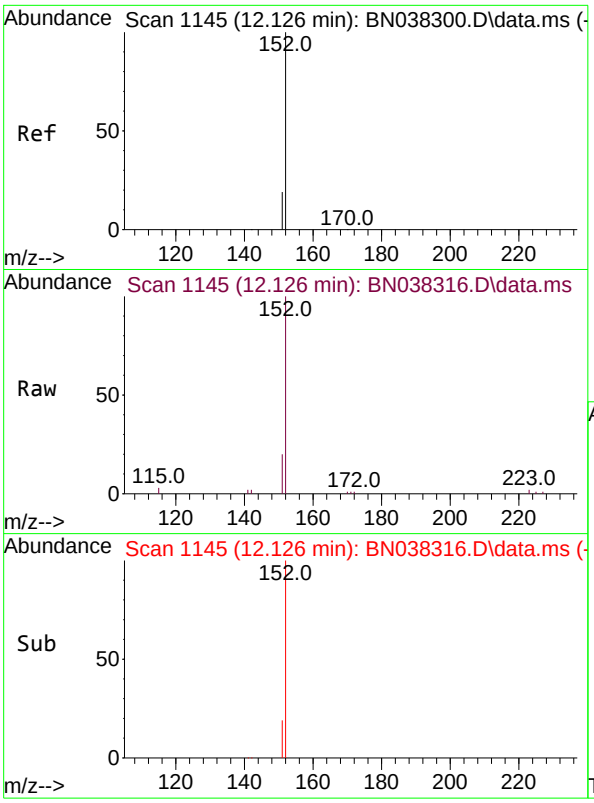


#8
Nitrobenzene-d5
Concen: 0.342 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Tgt Ion: 82 Resp: 4144

Ion	Ratio	Lower	Upper
82	100		
128	44.2	34.0	51.0
54	57.7	44.4	66.6



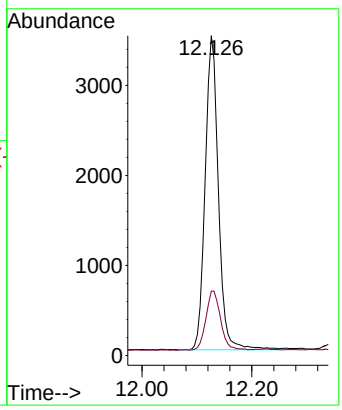


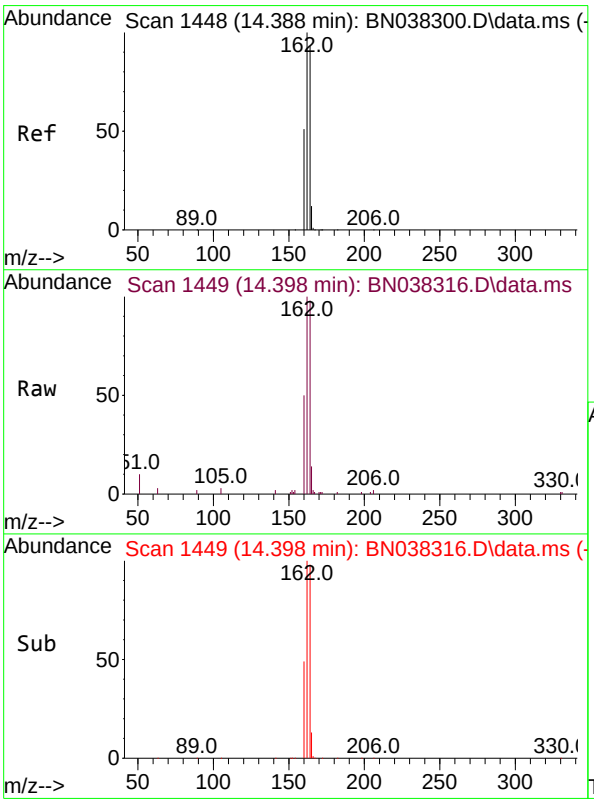
#11
2-Methylnaphthalene-d10
Concen: 0.288 ng
RT: 12.126 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Instrument :
BNA_N
ClientSampleId :
OW-05B-72-120325

Tgt Ion:152 Resp: 5838

Ion	Ratio	Lower	Upper
152	100		
151	20.8	17.0	25.6

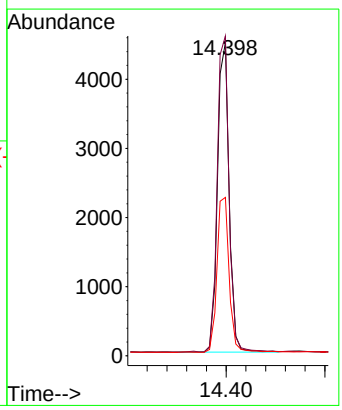


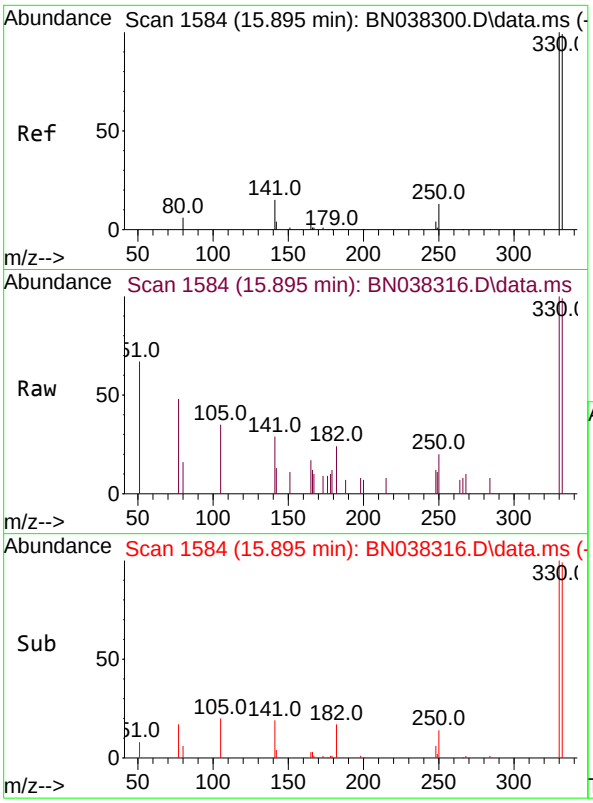


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Tgt Ion:164 Resp: 7355

Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.2	129.4
160	50.6	44.6	67.0



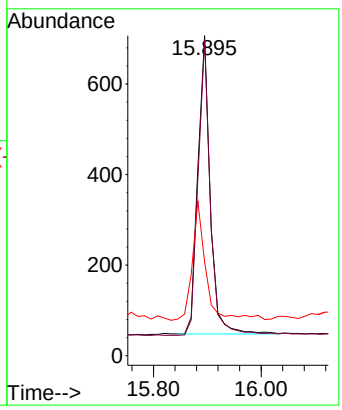


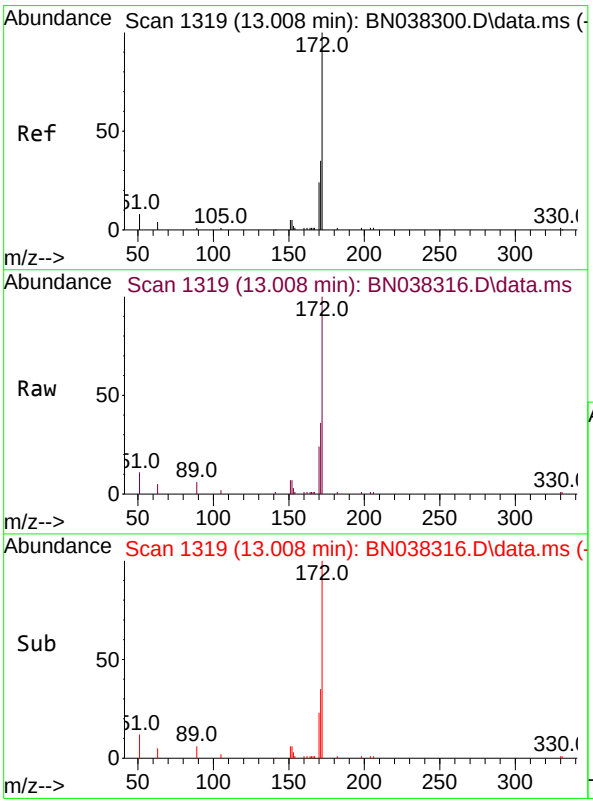
#14
2,4,6-Tribromophenol
Concen: 0.320 ng
RT: 15.895 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Instrument :
BNA_N
ClientSampleId :
OW-05B-72-120325

Tgt Ion:330 Resp: 1043

Ion	Ratio	Lower	Upper
330	100		
332	99.2	75.8	113.6
141	41.9	31.8	47.8

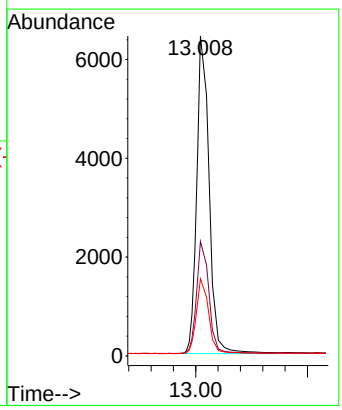


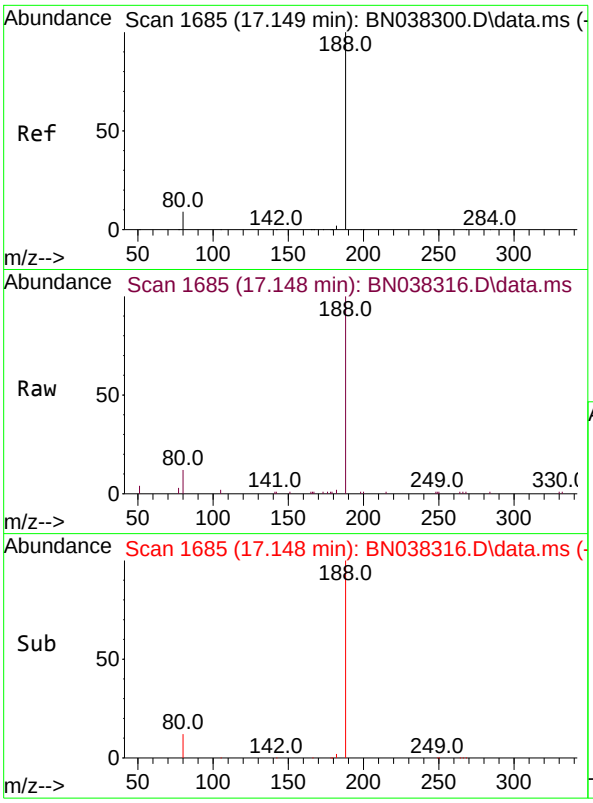


#15
2-Fluorobiphenyl
Concen: 0.303 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Tgt Ion:172 Resp: 10746

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	24.1	19.3	28.9



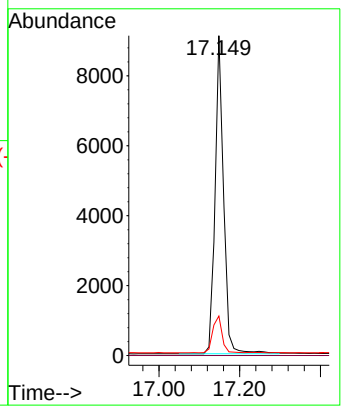


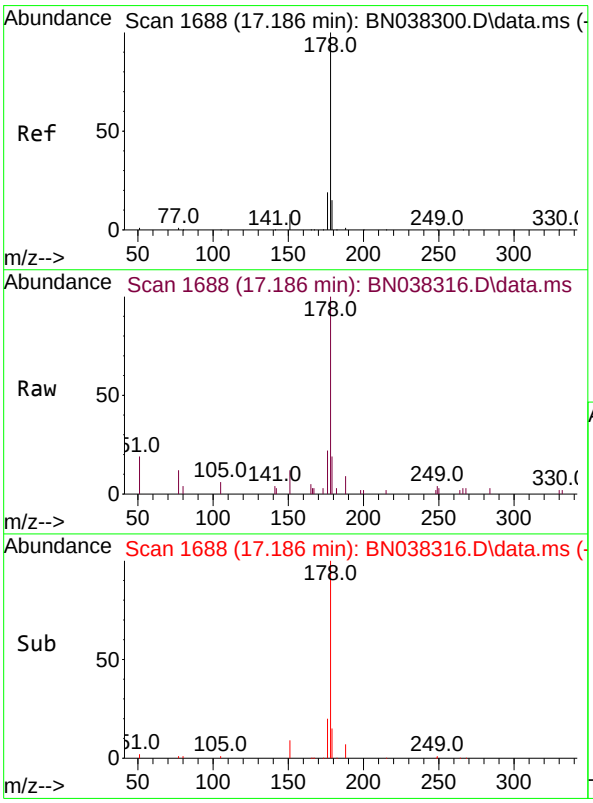
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Instrument :
BNA_N
ClientSampleId :
OW-05B-72-120325

Tgt Ion:188 Resp: 13319

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.4	7.4	11.0#

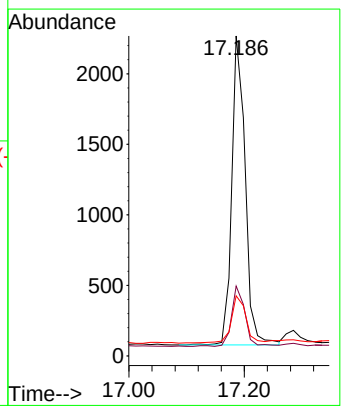


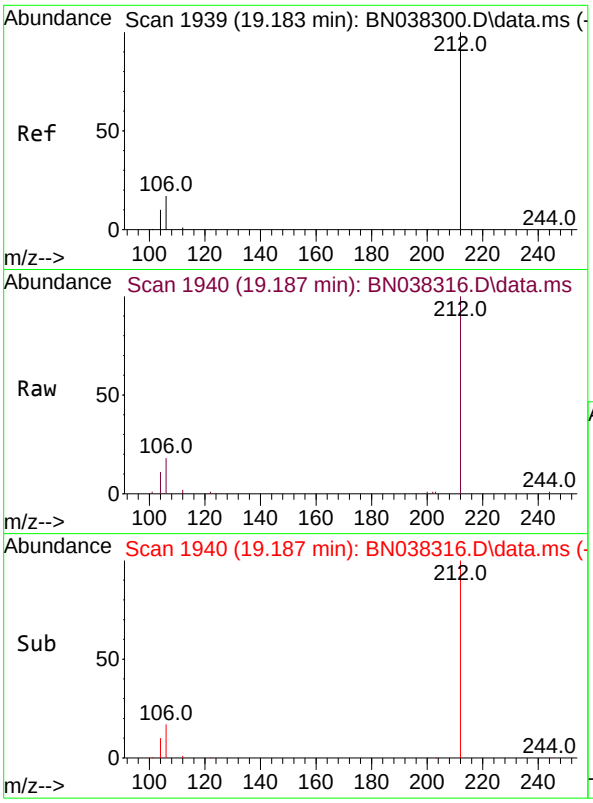


#25
Phenanthrene
Concen: 0.076 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Tgt Ion:178 Resp: 3533

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	16.9	12.2	18.2



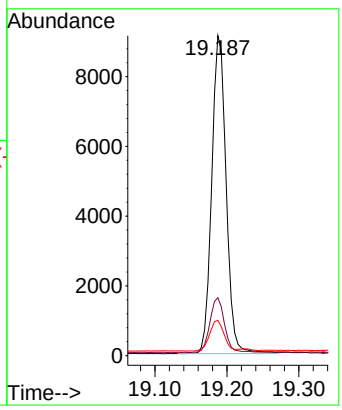


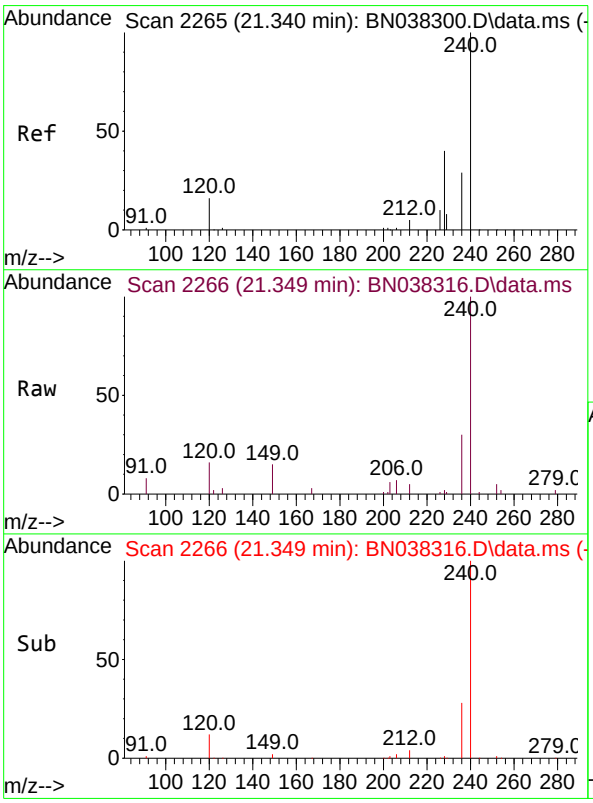
#27
Fluoranthene-d10
Concen: 0.387 ng
RT: 19.187 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Instrument :
BNA_N
ClientSampleId :
OW-05B-72-120325

Tgt Ion:212 Resp: 12740

Ion	Ratio	Lower	Upper
212	100		
106	17.4	13.7	20.5
104	9.6	7.8	11.8

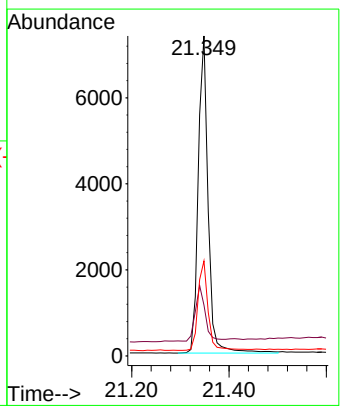


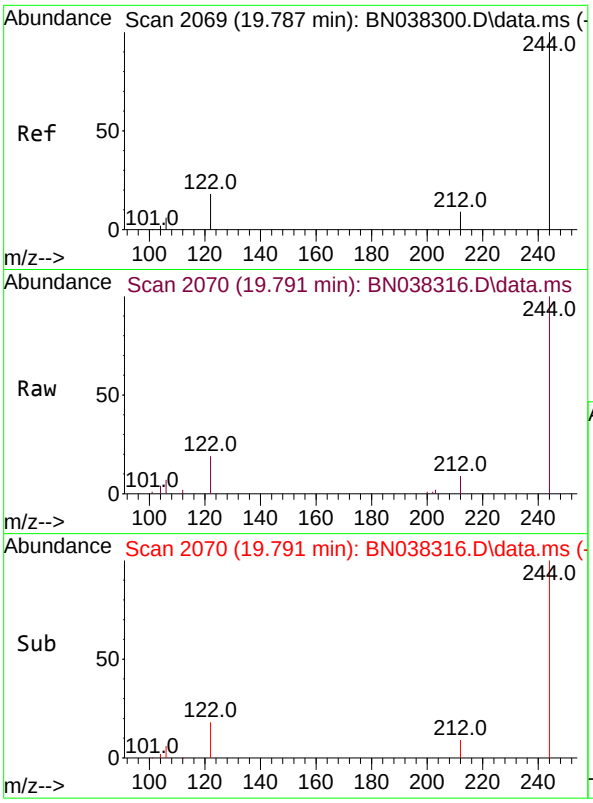


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.349 min Scan# 2266
Delta R.T. 0.009 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Tgt Ion:240 Resp: 10405

Ion	Ratio	Lower	Upper
240	100		
120	15.9	15.4	23.2
236	29.7	23.9	35.9



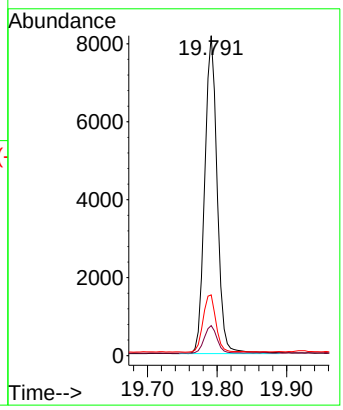


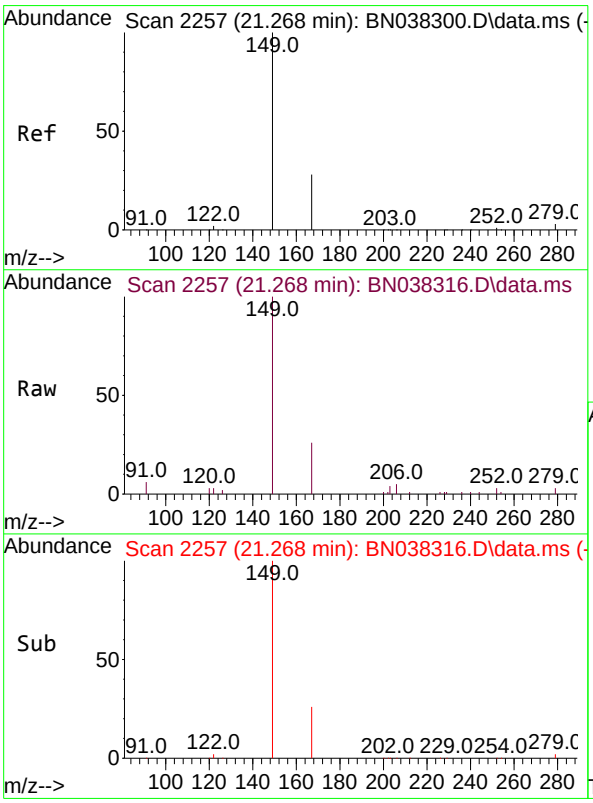
#31
Terphenyl-d14
Concen: 0.437 ng
RT: 19.791 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Instrument :
BNA_N
ClientSampleId :
OW-05B-72-120325

Tgt Ion:244 Resp: 10158

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.9	11.9
122	19.0	15.0	22.6

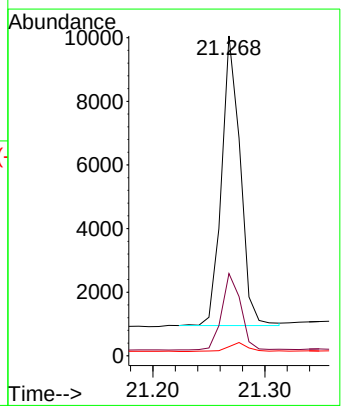


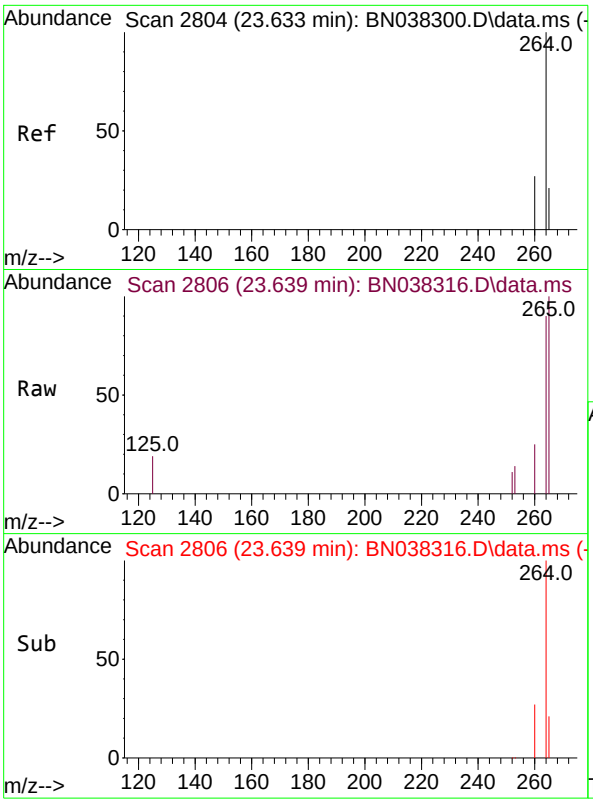


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.477 ng
RT: 21.268 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Tgt Ion:149 Resp: 10515

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.0
279	3.4	2.4	3.6



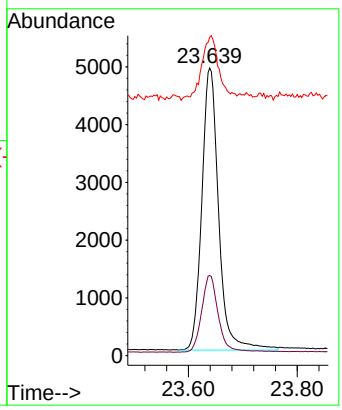


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.639 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN038316.D
Acq: 11 Dec 2025 14:14

Instrument :
BNA_N
ClientSampleId :
OW-05B-72-120325

Tgt Ion:264 Resp: 10487

Ion	Ratio	Lower	Upper
264	100		
260	27.9	22.2	33.2
265	110.7	80.2	120.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038317.D
Acq On : 11 Dec 2025 14:50
Operator : RC/JU
Sample : Q3757-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB01-120325

Quant Time: Dec 11 15:13:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

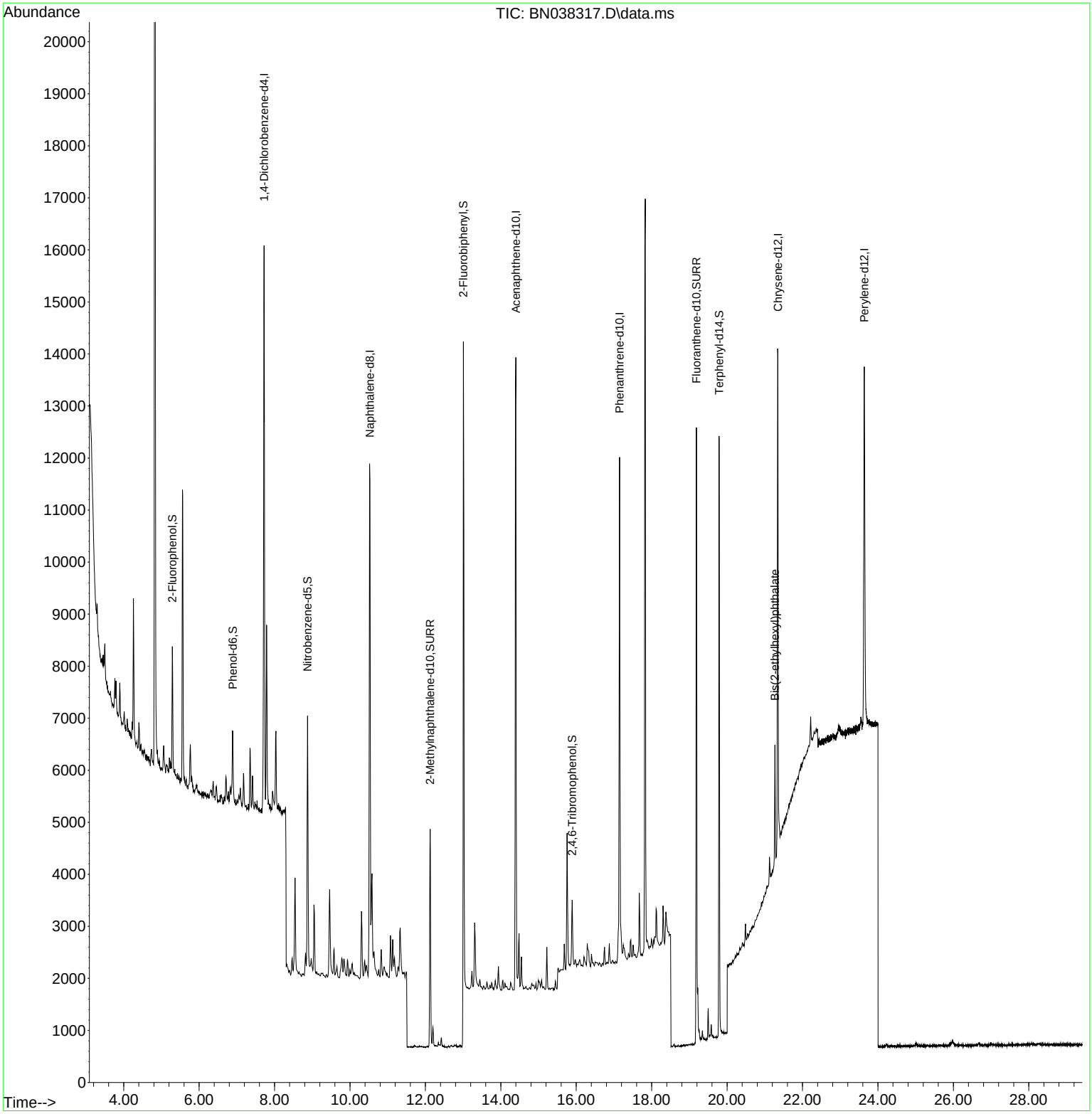
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5459	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	14139	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	7229	0.400	ng	0.00
19) Phenanthrene-d10	17.149	188	13027	0.400	ng	# 0.00
29) Chrysene-d12	21.349	240	10027	0.400	ng	# 0.00
35) Perylene-d12	23.639	264	10159	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	2067	0.152	ng	0.00
5) Phenol-d6	6.894	99	1430	0.088	ng	0.00
8) Nitrobenzene-d5	8.875	82	4270	0.358	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	5803	0.291	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	817	0.255	ng	0.00
15) 2-Fluorobiphenyl	13.009	172	10166	0.292	ng	0.00
27) Fluoranthene-d10	19.188	212	12814	0.398	ng	0.00
31) Terphenyl-d14	19.792	244	11143	0.498	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.268	149	2144	0.101	ng	# 98

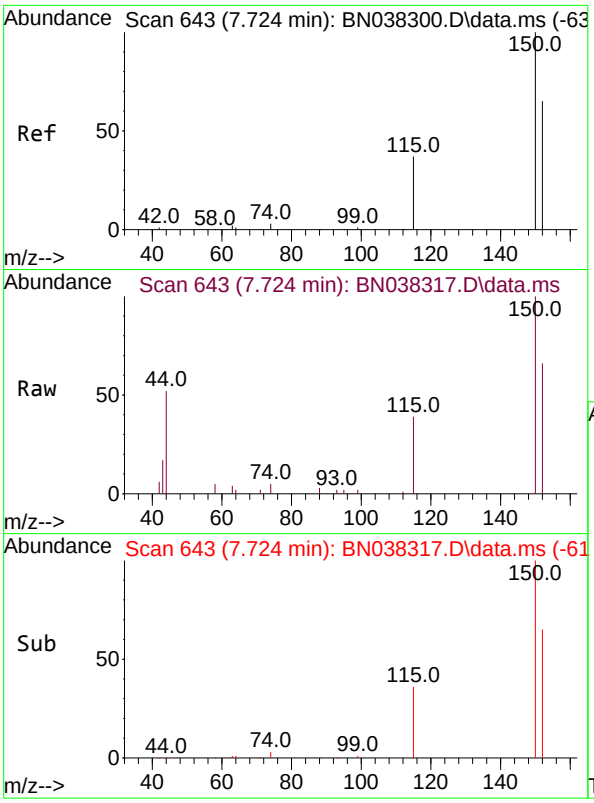
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038317.D
Acq On : 11 Dec 2025 14:50
Operator : RC/JU
Sample : Q3757-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB01-120325

Quant Time: Dec 11 15:13:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



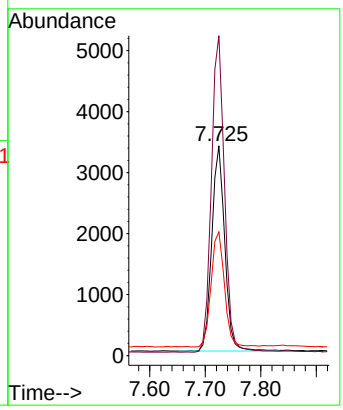


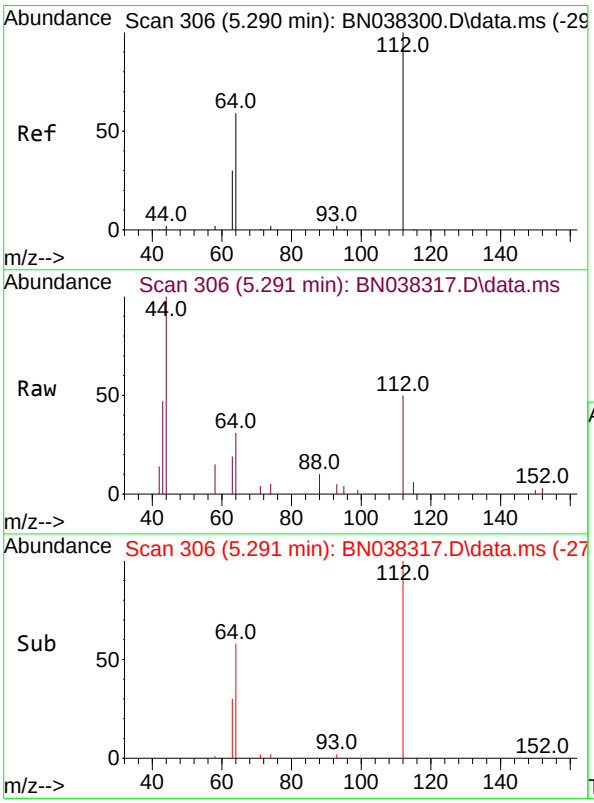
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Instrument :
BNA_N
ClientSampleId :
EB01-120325

Tgt Ion:152 Resp: 5459

Ion	Ratio	Lower	Upper
152	100		
150	152.5	122.4	183.6
115	59.0	47.3	70.9

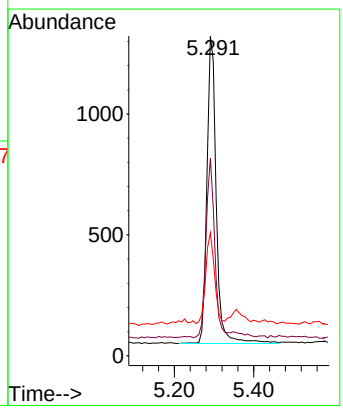


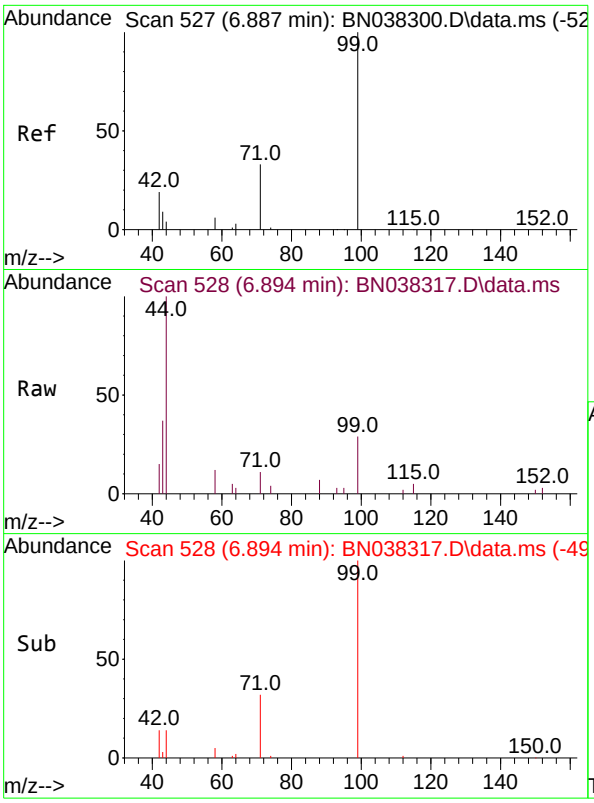


#4
2-Fluorophenol
Concen: 0.152 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Tgt Ion:112 Resp: 2067

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.4	66.6
63	28.7	23.4	35.0



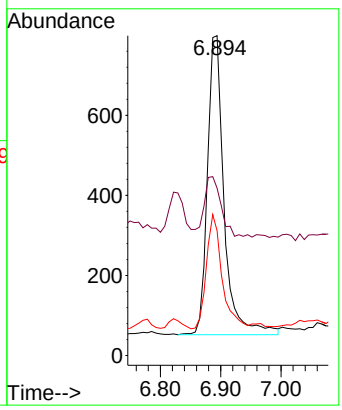


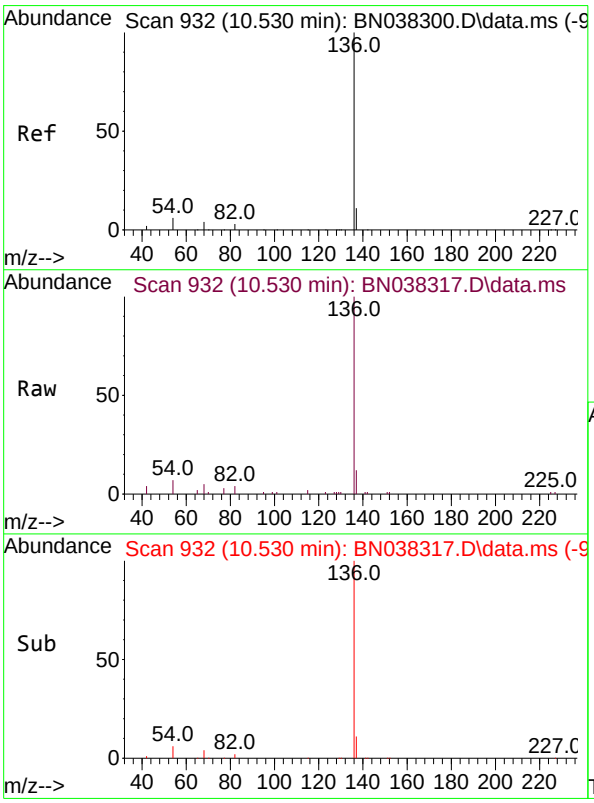
#5
Phenol-d6
Concen: 0.088 ng
RT: 6.894 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Instrument :
BNA_N
ClientSampleId :
EB01-120325

Tgt Ion: 99 Resp: 1430

Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.5	24.7
71	35.9	24.9	37.3

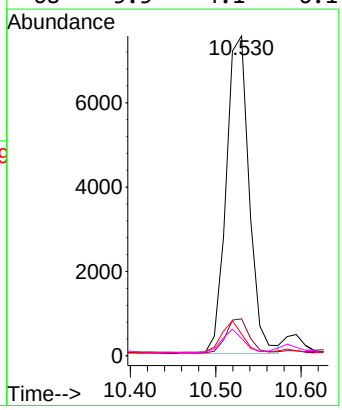


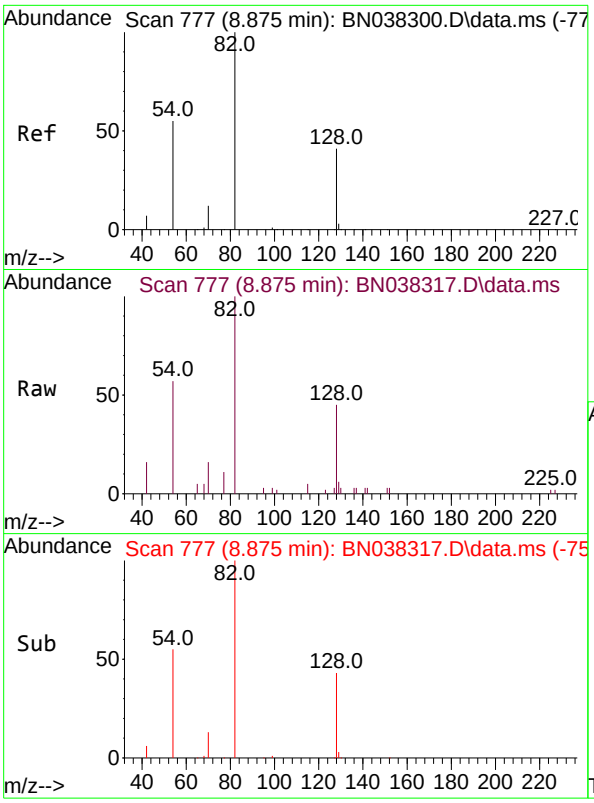


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. 0.000 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Tgt Ion:136 Resp: 14139

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	6.9	5.2	7.8
68	5.5	4.1	6.1



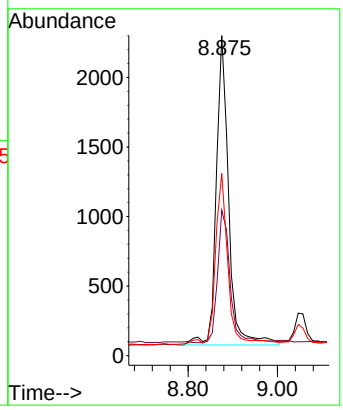


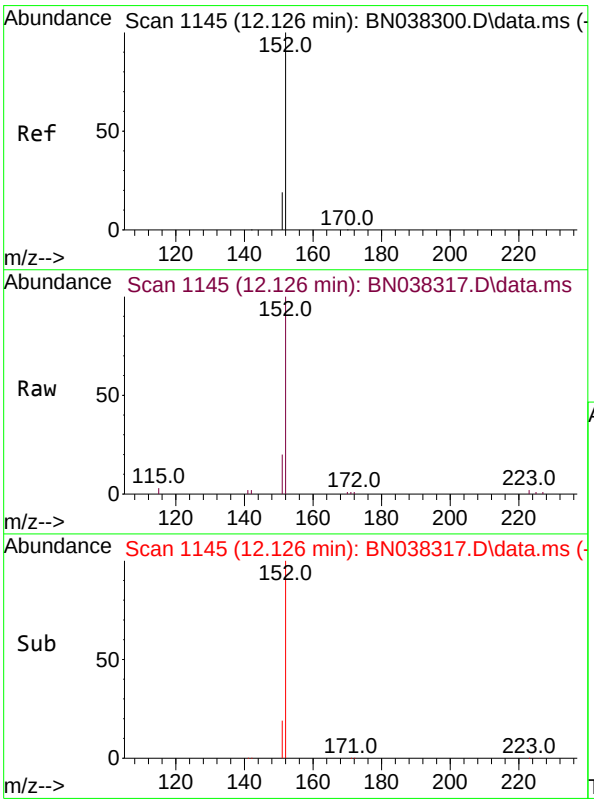
#8
Nitrobenzene-d5
Concen: 0.358 ng
RT: 8.875 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Instrument :
BNA_N
ClientSampleId :
EB01-120325

Tgt Ion: 82 Resp: 4270

Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.0	51.0
54	56.9	44.4	66.6

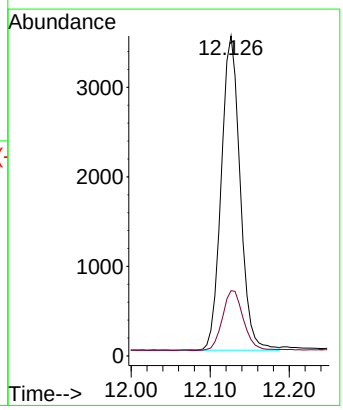


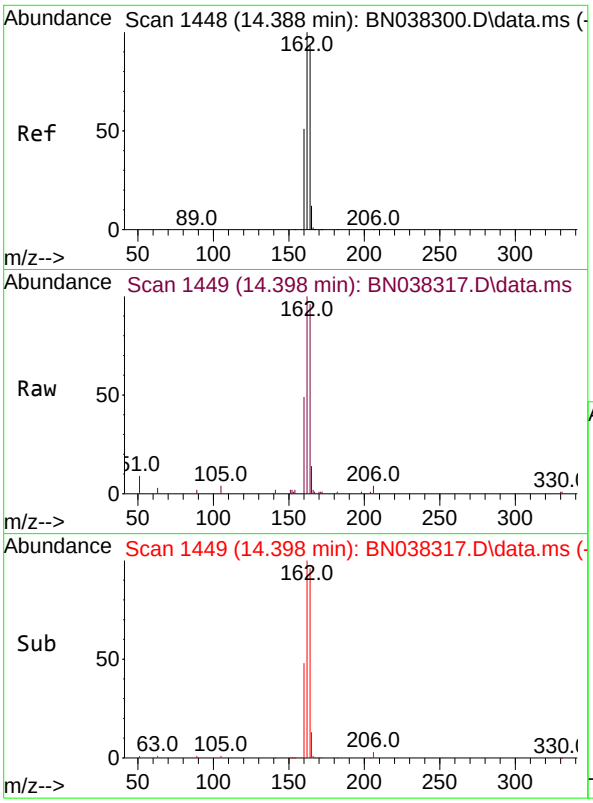


#11
2-Methylnaphthalene-d10
Concen: 0.291 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Tgt Ion:152 Resp: 5803

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.0	25.6



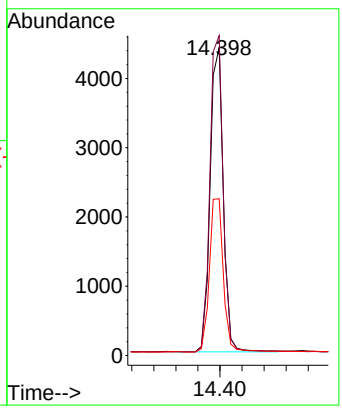


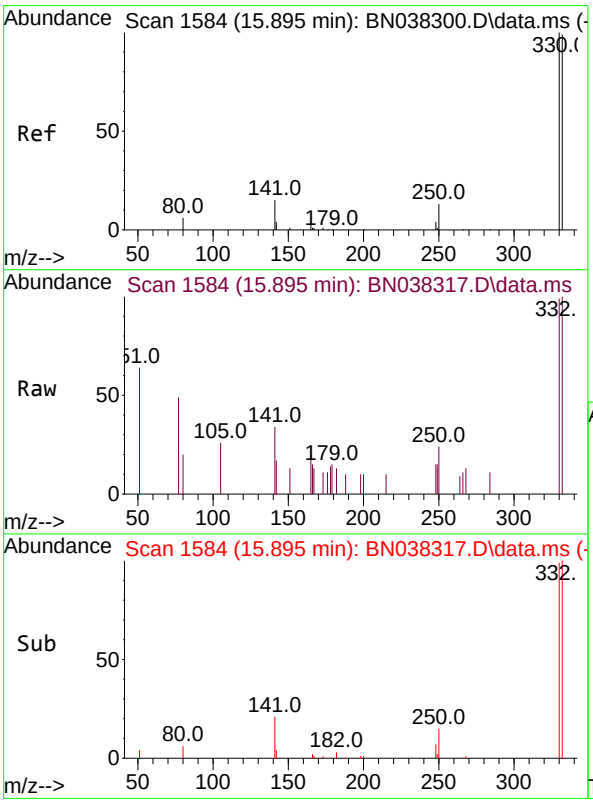
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Instrument :
BNA_N
ClientSampleId :
EB01-120325

Tgt Ion:164 Resp: 7229

Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.2	129.4
160	50.9	44.6	67.0

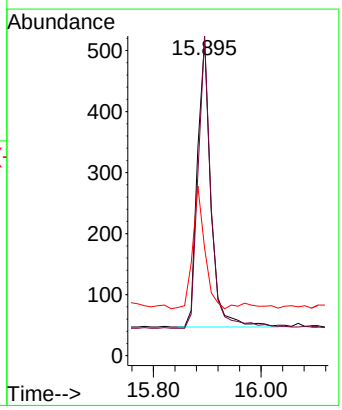


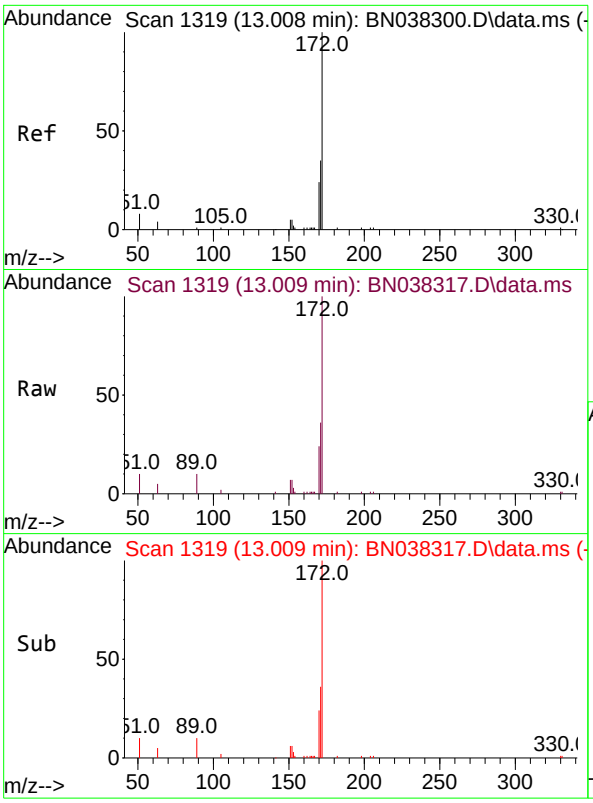


#14
2,4,6-Tribromophenol
Concen: 0.255 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Tgt Ion:330 Resp: 817

Ion	Ratio	Lower	Upper
330	100		
332	98.0	75.8	113.6
141	38.1	31.8	47.8



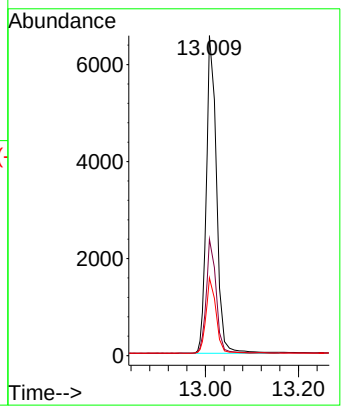


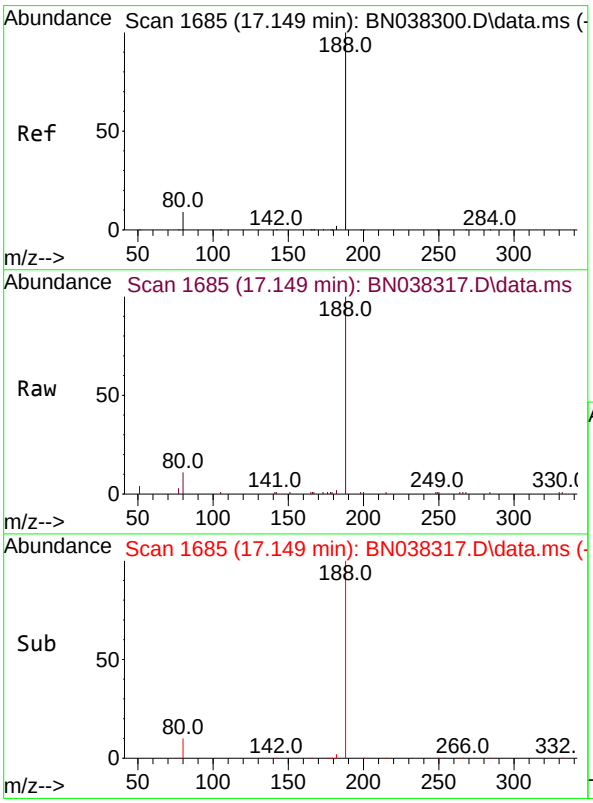
#15
2-Fluorobiphenyl
Concen: 0.292 ng
RT: 13.009 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Instrument :
BNA_N
ClientSampleId :
EB01-120325

Tgt Ion:172 Resp: 10166

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	42.8
170	24.3	19.3	28.9

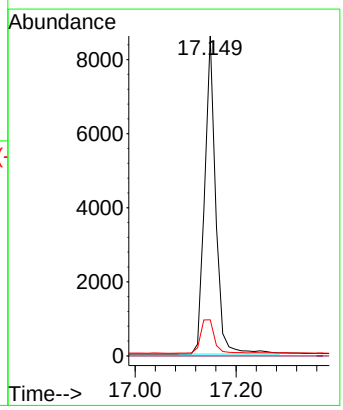


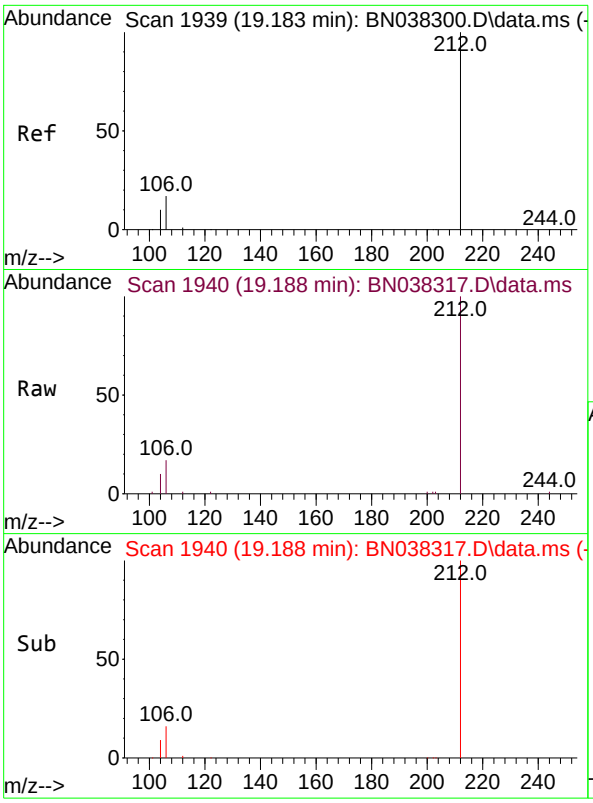


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Tgt Ion:188 Resp: 13027

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	7.4	11.0#



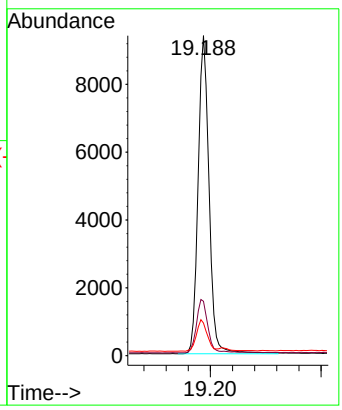


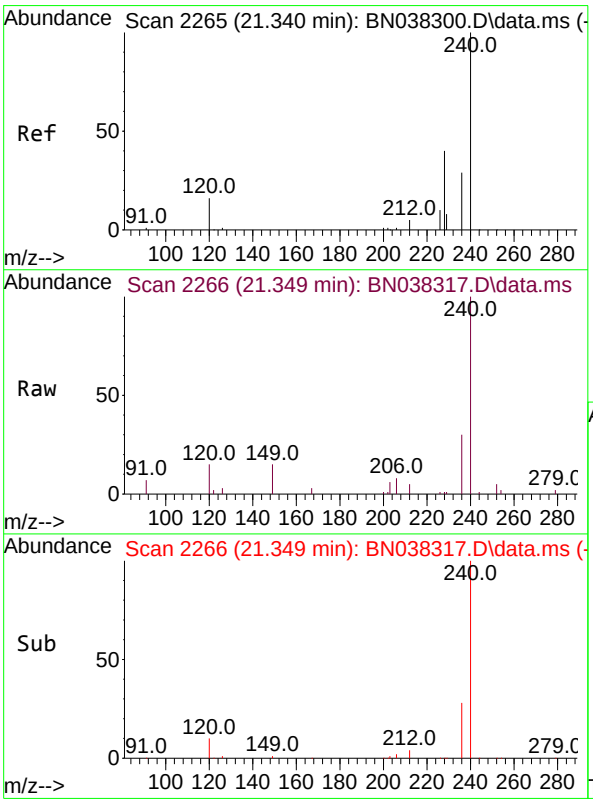
#27
Fluoranthene-d10
Concen: 0.398 ng
RT: 19.188 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Instrument :
BNA_N
ClientSampleId :
EB01-120325

Tgt Ion:212 Resp: 12814

Ion	Ratio	Lower	Upper
212	100		
106	17.9	13.7	20.5
104	9.8	7.8	11.8

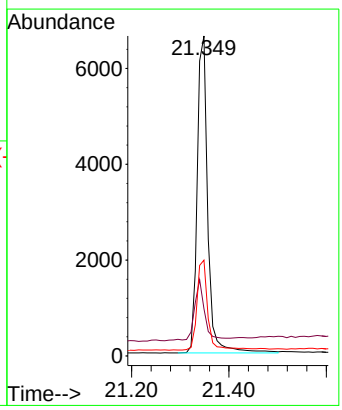


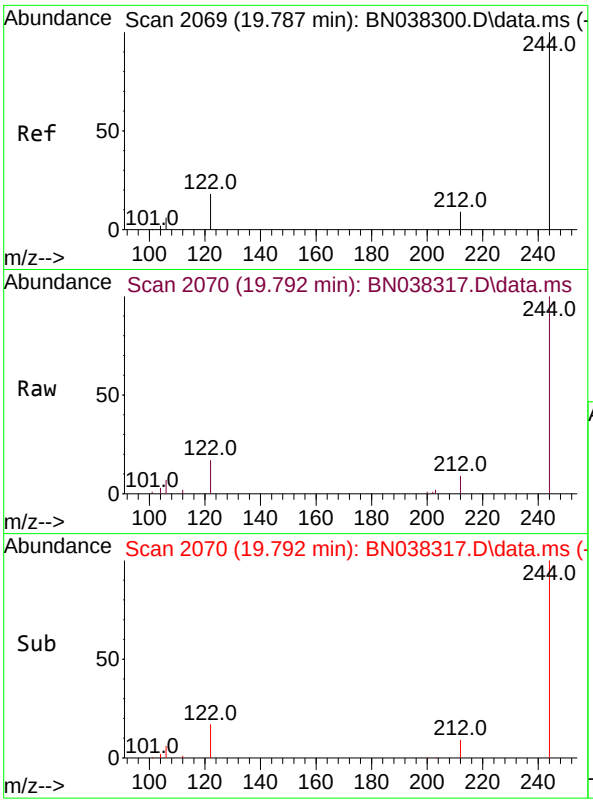


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.349 min Scan# 2266
Delta R.T. 0.009 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Tgt Ion:240 Resp: 10027

Ion	Ratio	Lower	Upper
240	100		
120	14.7	15.4	23.2#
236	30.0	23.9	35.9



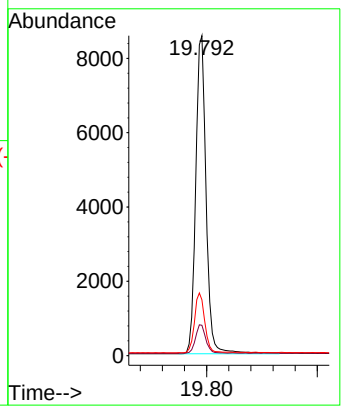


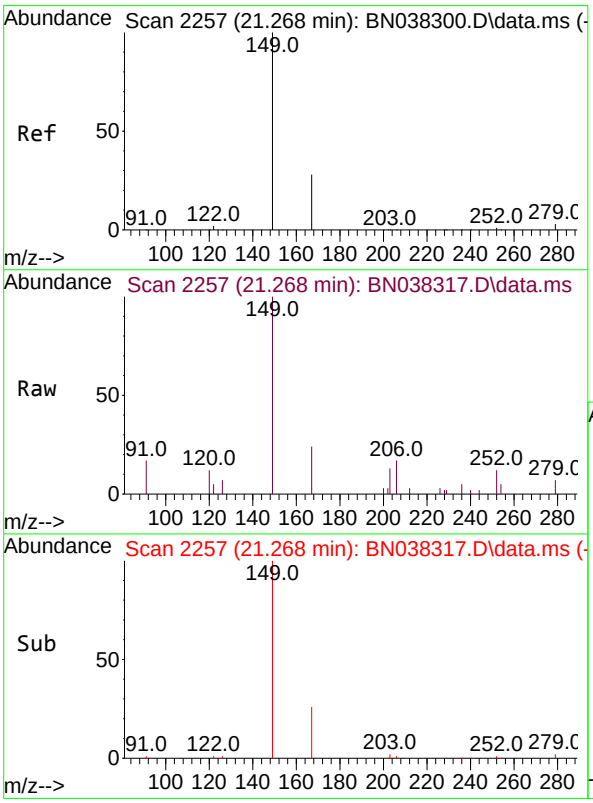
#31
Terphenyl-d14
Concen: 0.498 ng
RT: 19.792 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Instrument :
BNA_N
ClientSampleId :
EB01-120325

Tgt Ion:244 Resp: 11143

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.9	11.9
122	17.4	15.0	22.6

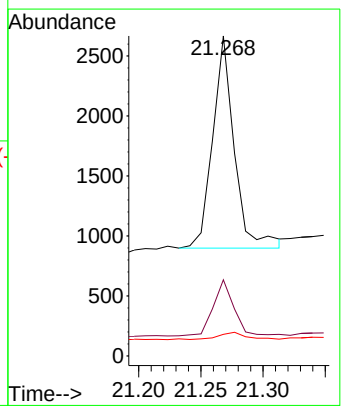


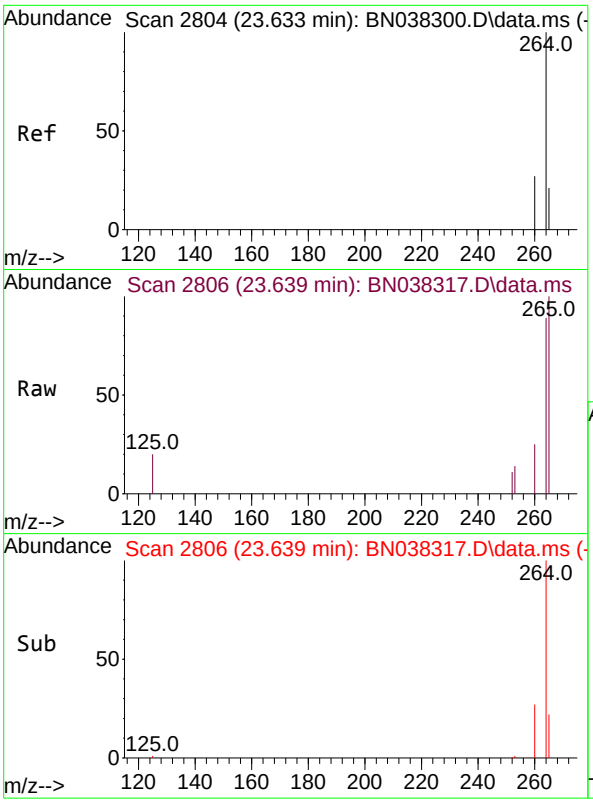


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.101 ng
RT: 21.268 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Tgt Ion:149 Resp: 2144

Ion	Ratio	Lower	Upper
149	100		
167	25.7	21.4	32.0
279	4.6	2.4	3.6#



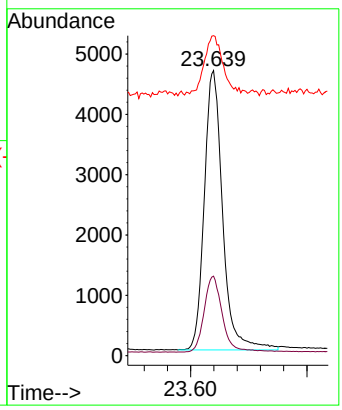


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.639 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN038317.D
Acq: 11 Dec 2025 14:50

Instrument :
BNA_N
ClientSampleId :
EB01-120325

Tgt Ion:264 Resp: 10159

Ion	Ratio	Lower	Upper
264	100		
260	27.9	22.2	33.2
265	112.3	80.2	120.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120625\
Data File : BN038288.D
Acq On : 06 Dec 2025 00:19
Operator : RC/JU
Sample : PB170838BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170838BL

Quant Time: Dec 06 00:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration

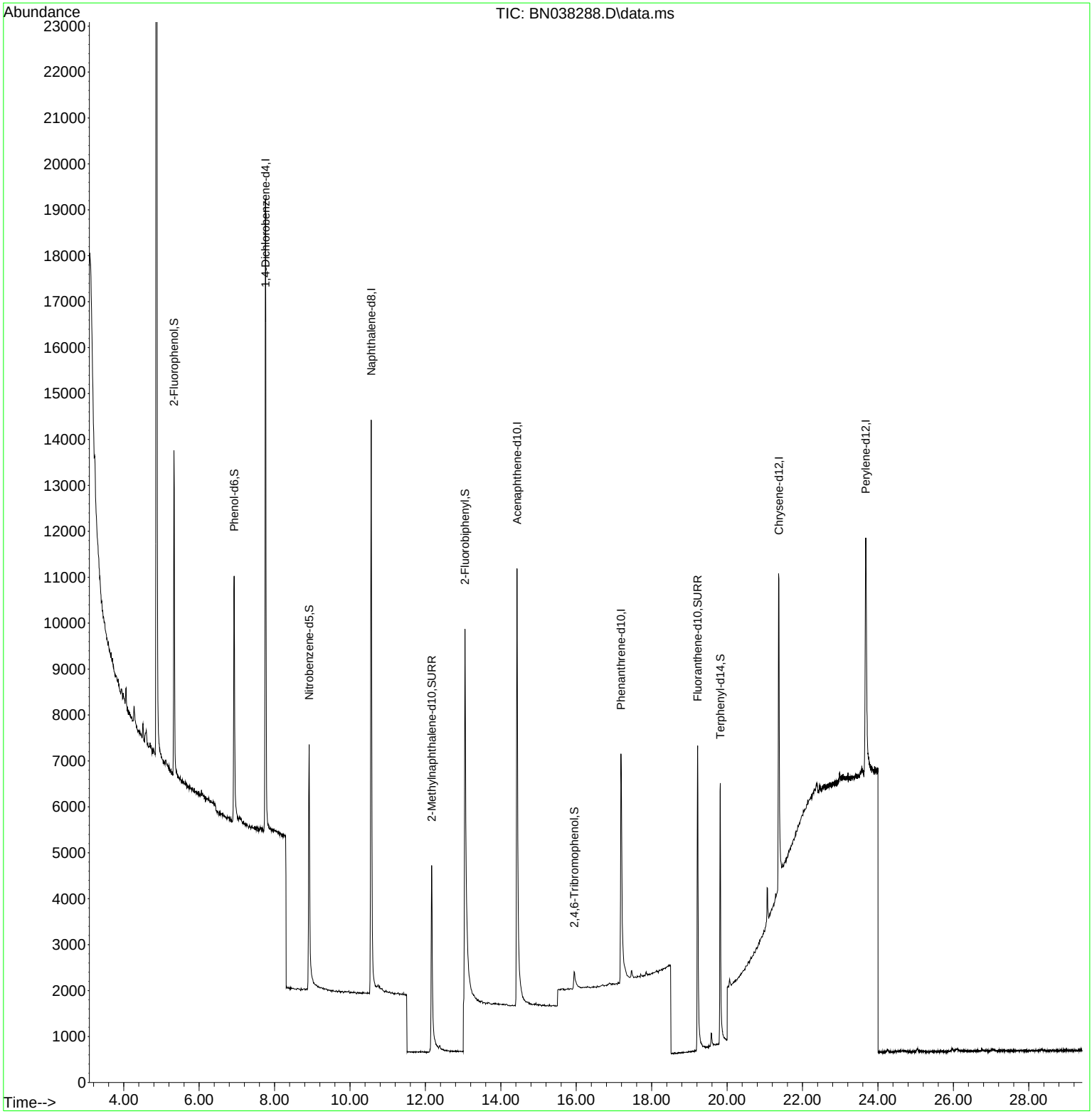
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.760	152	7136	0.400	ng	0.00
7) Naphthalene-d8	10.562	136	19157	0.400	ng	#-0.01
13) Acenaphthene-d10	14.430	164	8410	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	11693	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	9196	0.400	ng	# 0.00
35) Perylene-d12	23.677	264	9718	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.334	112	5905	0.354	ng	0.00
5) Phenol-d6	6.930	99	6410	0.308	ng	0.00
8) Nitrobenzene-d5	8.918	82	5582	0.364	ng	0.00
11) 2-Methylnaphthalene-d10	12.167	152	8458	0.311	ng	0.00
14) 2,4,6-Tribromophenol	15.944	330	448	0.169	ng	0.01
15) 2-Fluorobiphenyl	13.051	172	12403	0.382	ng	0.00
27) Fluoranthene-d10	19.220	212	10011	0.395	ng	0.00
31) Terphenyl-d14	19.819	244	7406	0.349	ng	0.00
Target Compounds						Qvalue

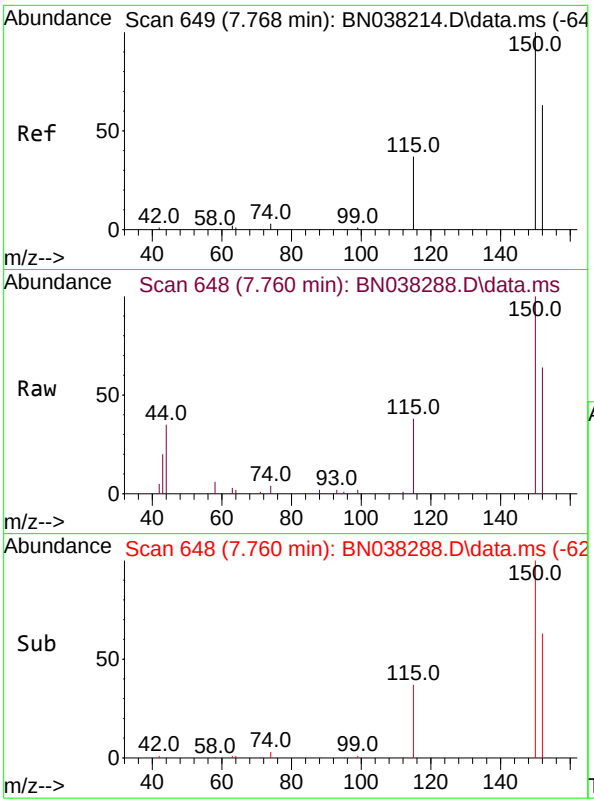
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120625\
Data File : BN038288.D
Acq On : 06 Dec 2025 00:19
Operator : RC/JU
Sample : PB170838BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170838BL

Quant Time: Dec 06 00:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration



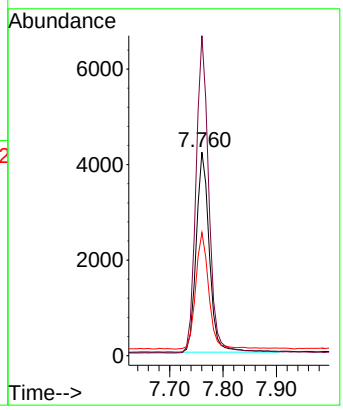


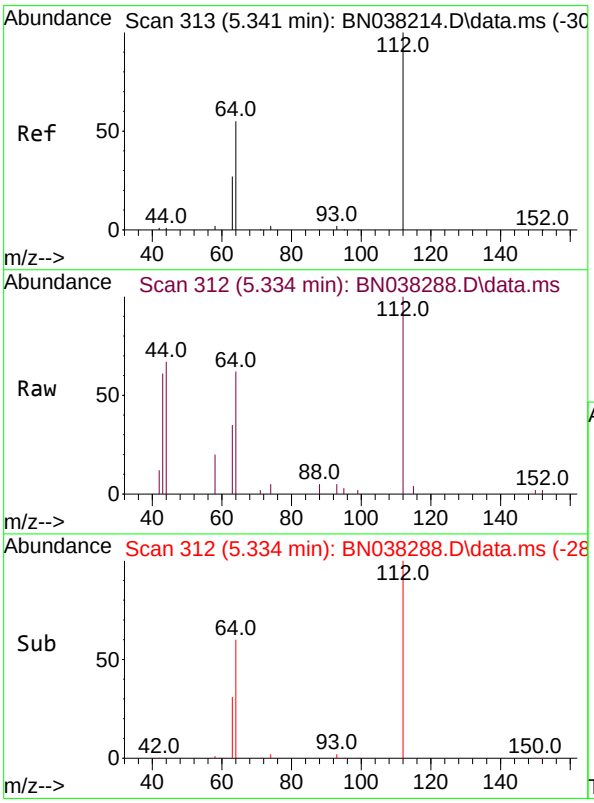
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.760 min Scan# 64
Delta R.T. -0.008 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Instrument :
BNA_N
ClientSampleId :
PB170838BL

Tgt Ion:152 Resp: 7136

Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.3	187.9
115	60.5	49.0	73.4

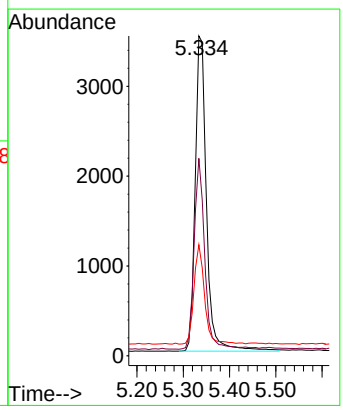


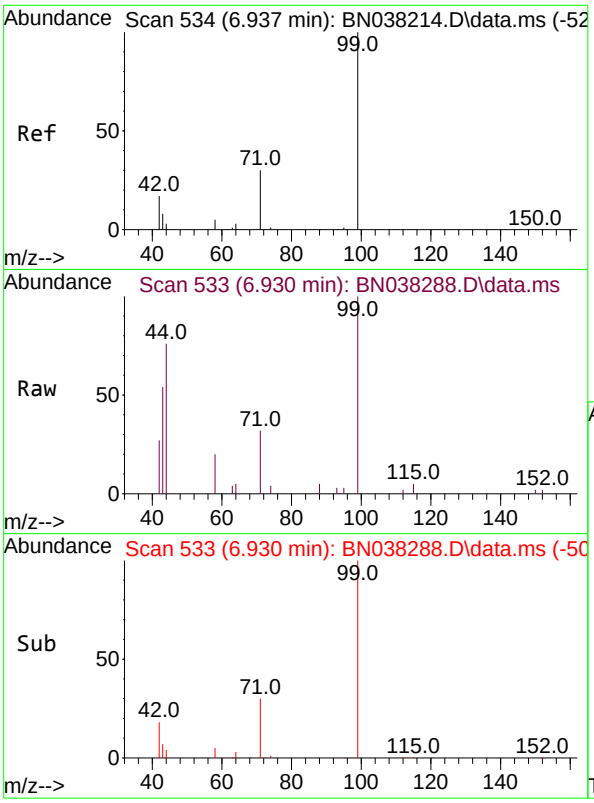


#4
2-Fluorophenol
Concen: 0.354 ng
RT: 5.334 min Scan# 312
Delta R.T. -0.007 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Tgt Ion:112 Resp: 5905

Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.0	67.4
63	29.9	23.2	34.8



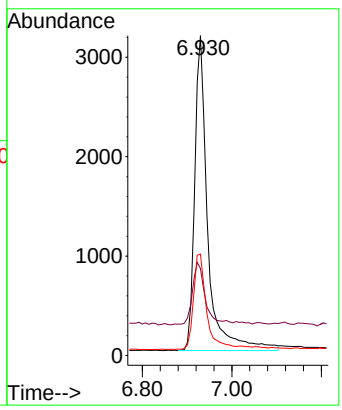


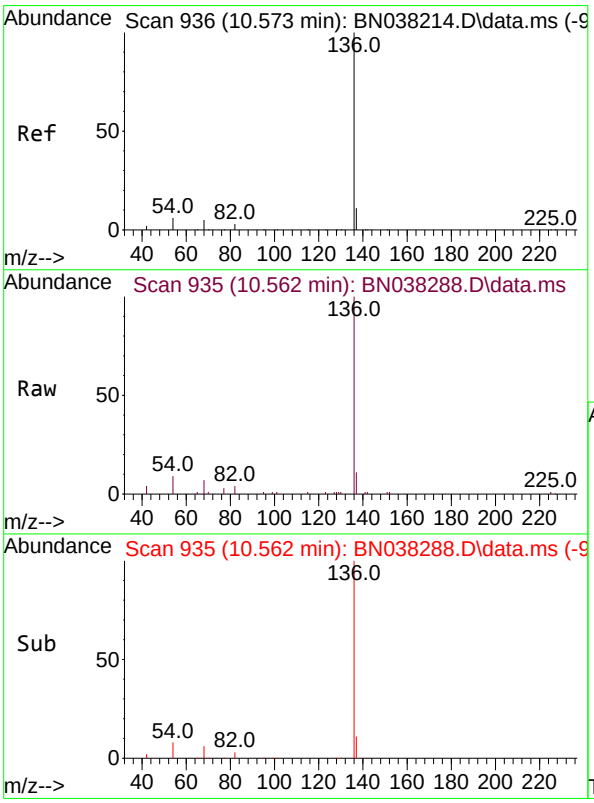
#5
Phenol-d6
Concen: 0.308 ng
RT: 6.930 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Instrument :
BNA_N
ClientSampleId :
PB170838BL

Tgt Ion: 99 Resp: 6410

Ion	Ratio	Lower	Upper
99	100		
42	19.6	17.0	25.6
71	30.2	25.4	38.2

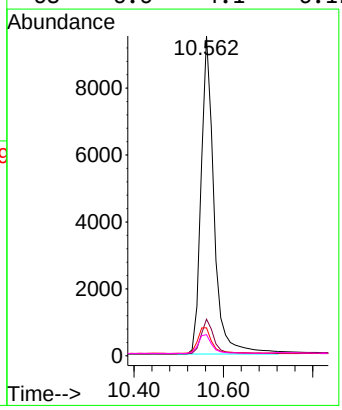


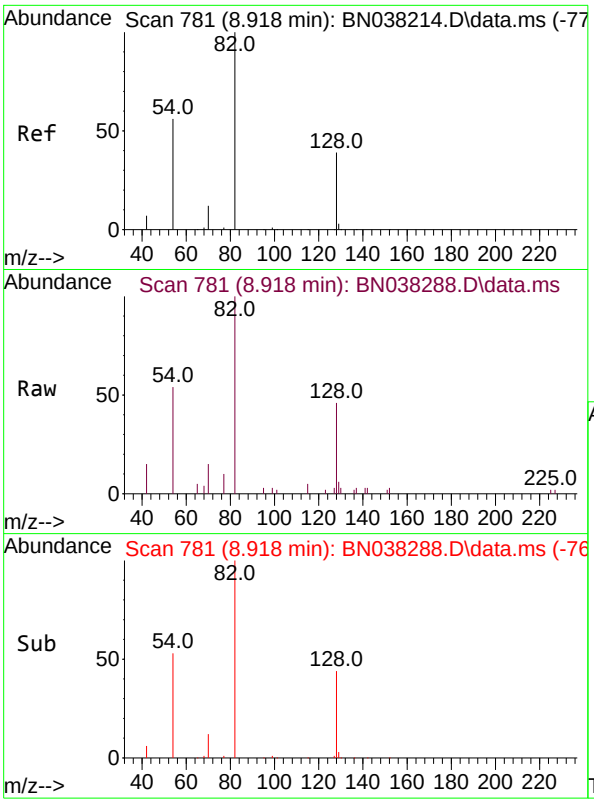


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Tgt Ion:136 Resp: 19157

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	8.8	5.4	8.0#
68	6.6	4.1	6.1#



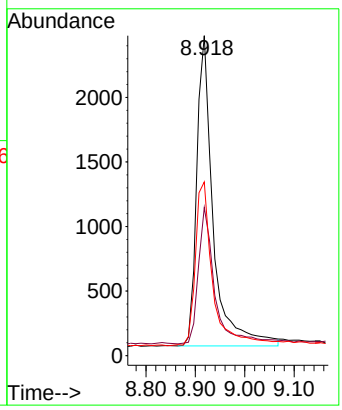


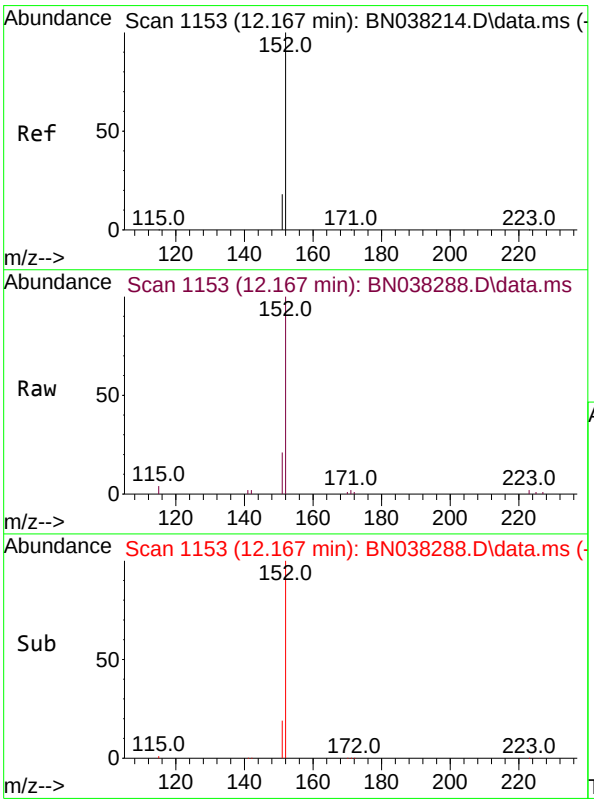
#8
Nitrobenzene-d5
Concen: 0.364 ng
RT: 8.918 min Scan# 78
Delta R.T. 0.000 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Instrument :
BNA_N
ClientSampleId :
PB170838BL

Tgt Ion: 82 Resp: 5582

Ion	Ratio	Lower	Upper
82	100		
128	46.3	32.6	48.8
54	54.3	45.4	68.0

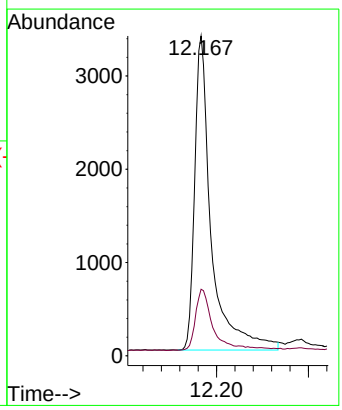


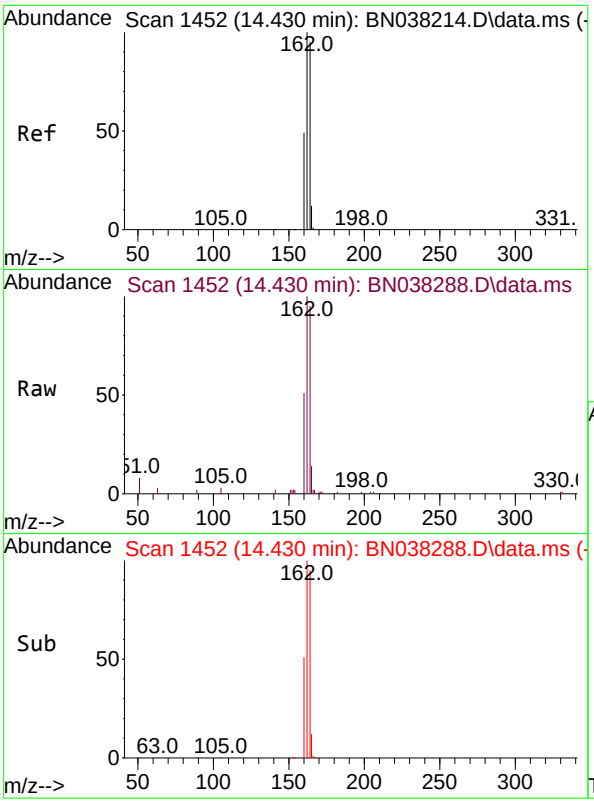


#11
2-Methylnaphthalene-d10
Concen: 0.311 ng
RT: 12.167 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Tgt Ion:152 Resp: 8458

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.7	25.1



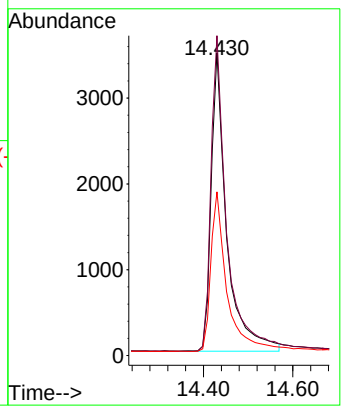


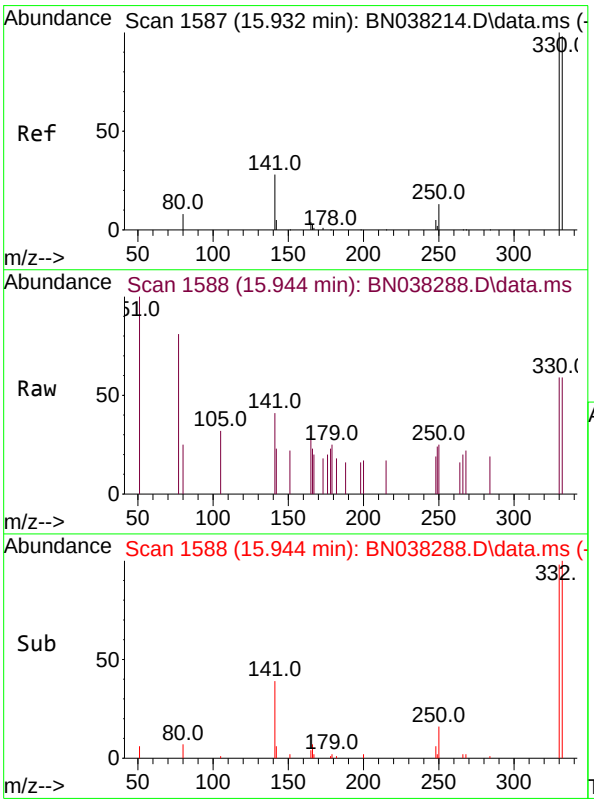
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Instrument :
BNA_N
ClientSampleId :
PB170838BL

Tgt Ion:164 Resp: 8410

Ion	Ratio	Lower	Upper
164	100		
162	105.6	83.8	125.8
160	54.0	41.6	62.4

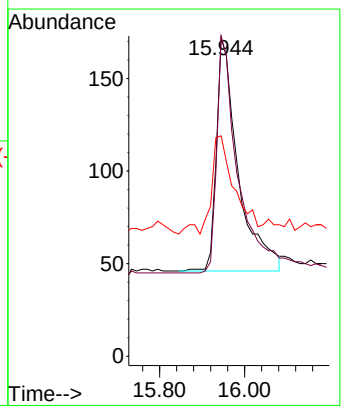


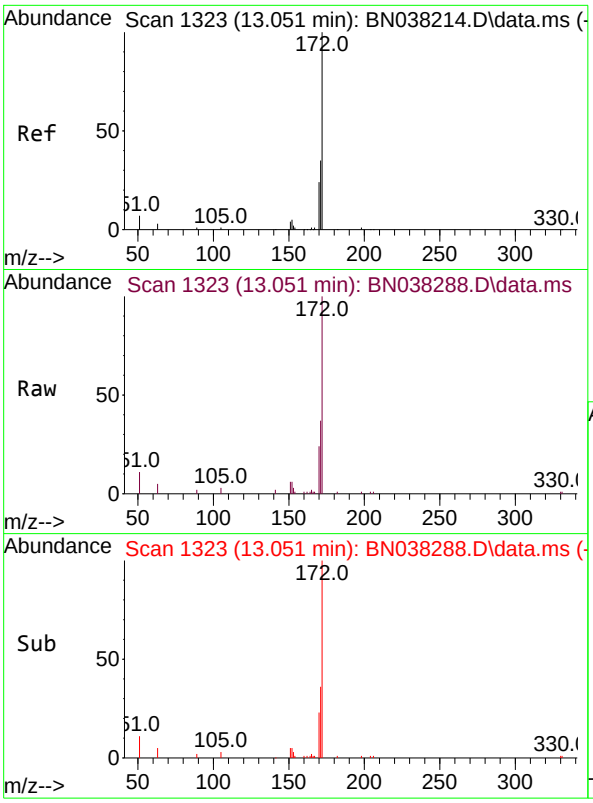


#14
2,4,6-Tribromophenol
Concen: 0.169 ng
RT: 15.944 min Scan# 1588
Delta R.T. 0.012 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Tgt Ion:330 Resp: 448

Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.8	116.6
141	44.0	33.0	49.4



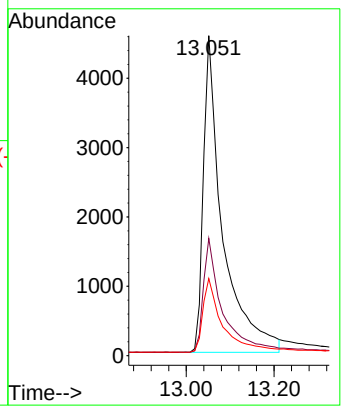


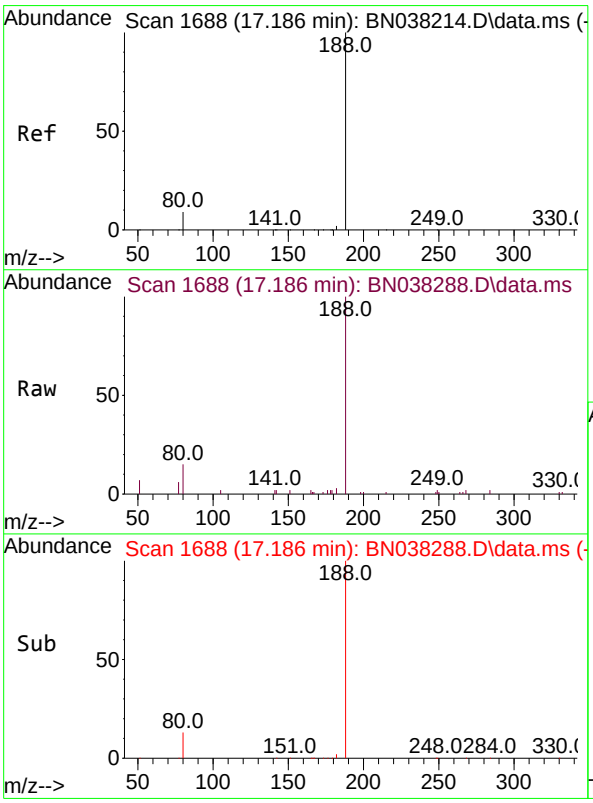
#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 13.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Instrument :
BNA_N
ClientSampleId :
PB170838BL

Tgt Ion:172 Resp: 12403

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.1	42.1
170	24.1	19.1	28.7

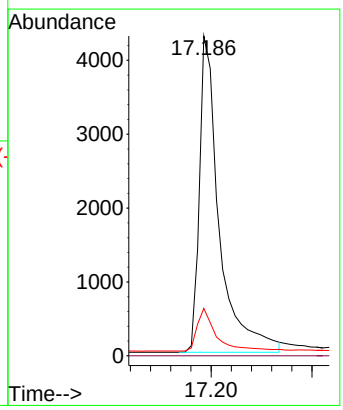


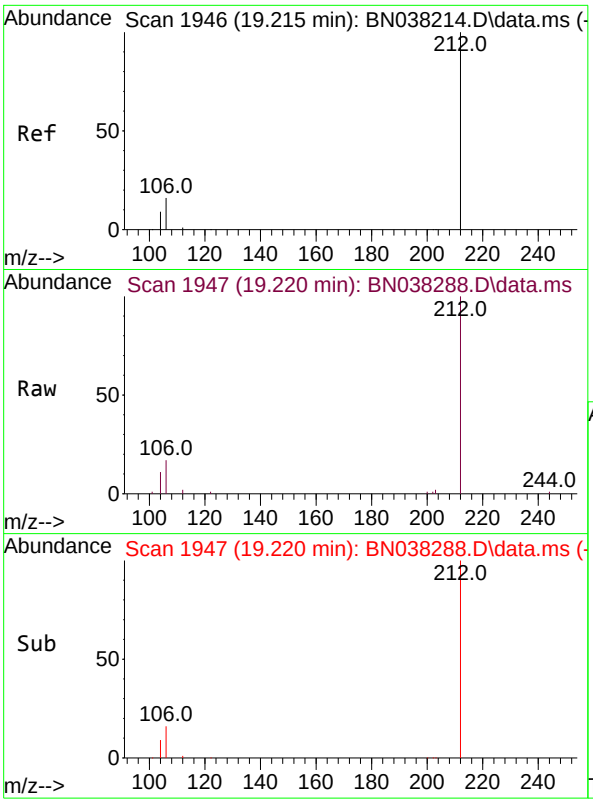


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Tgt Ion:188 Resp: 11693

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.8	7.7	11.5#



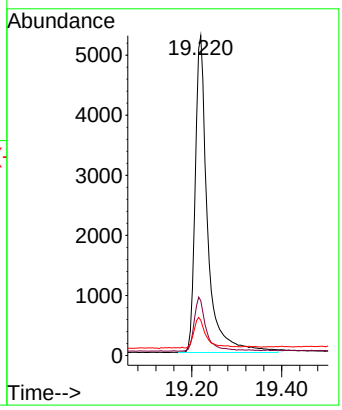


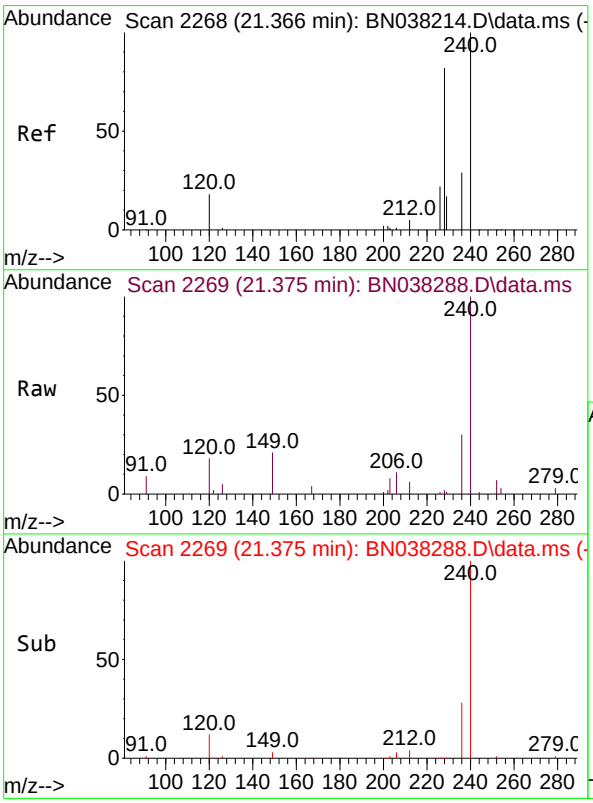
#27
Fluoranthene-d10
Concen: 0.395 ng
RT: 19.220 min Scan# 19
Delta R.T. 0.005 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Instrument :
BNA_N
ClientSampleId :
PB170838BL

Tgt Ion:212 Resp: 10011

Ion	Ratio	Lower	Upper
212	100		
106	16.8	12.7	19.1
104	9.7	7.3	10.9

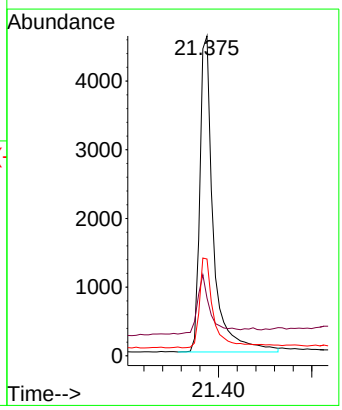


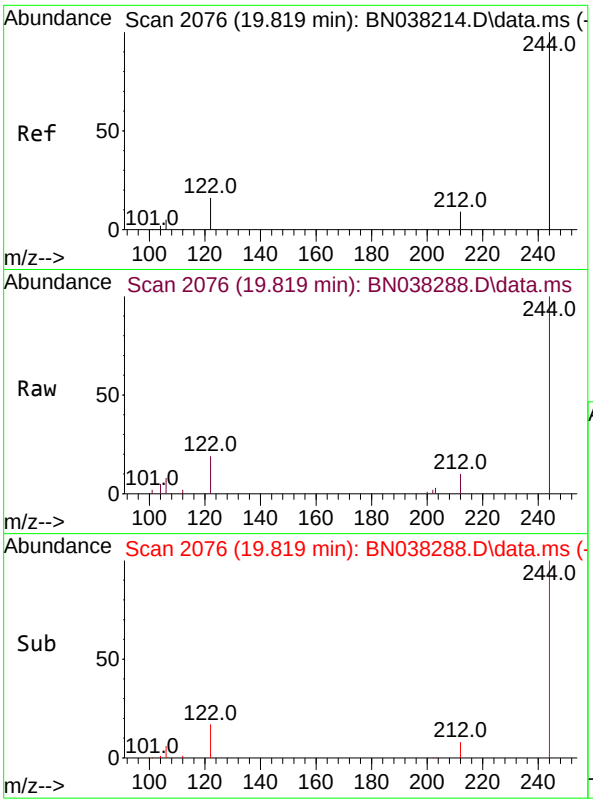


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. 0.009 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Tgt Ion:240 Resp: 9196

Ion	Ratio	Lower	Upper
240	100		
120	18.1	18.1	27.1#
236	30.2	24.2	36.4



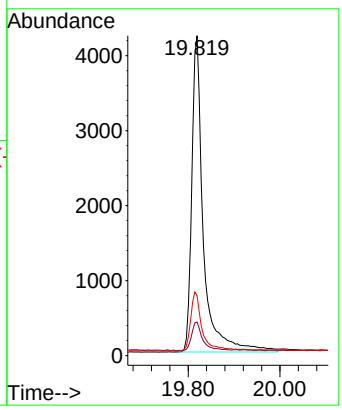


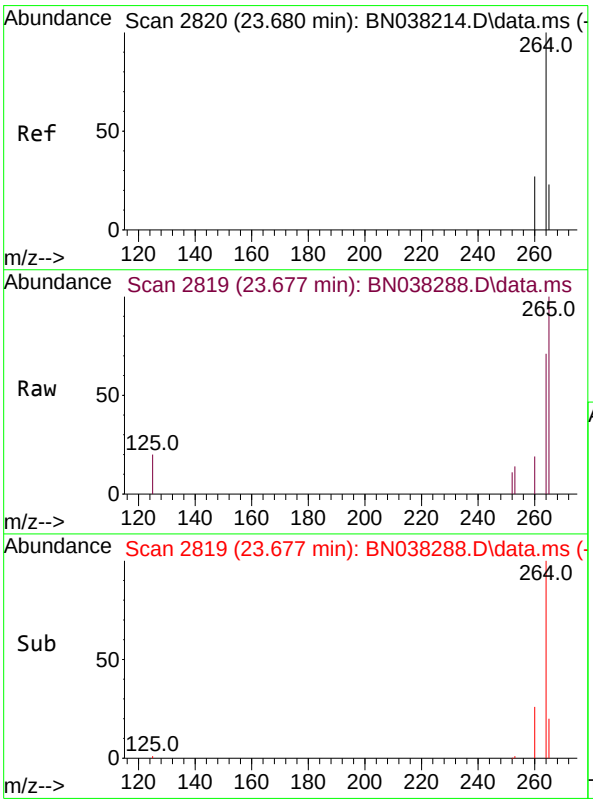
#31
Terphenyl-d14
Concen: 0.349 ng
RT: 19.819 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Instrument :
BNA_N
ClientSampleId :
PB170838BL

Tgt Ion:244 Resp: 7406

Ion	Ratio	Lower	Upper
244	100		
212	10.5	7.7	11.5
122	18.7	13.6	20.4

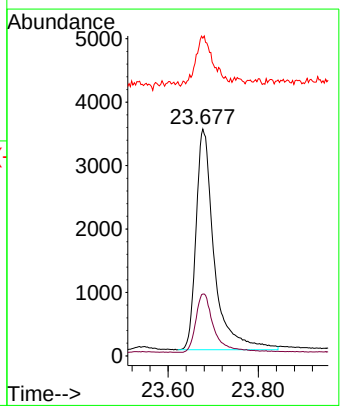




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.677 min Scan# 2819
Delta R.T. -0.003 min
Lab File: BN038288.D
Acq: 06 Dec 2025 00:19

Tgt Ion:264 Resp: 9718

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.7	32.5
265	140.0	98.0	147.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120625\
Data File : BN038289.D
Acq On : 06 Dec 2025 00:55
Operator : RC/JU
Sample : PB170838BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 01:31:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB170838BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.760	152	7065	0.400	ng	0.00
7) Naphthalene-d8	10.562	136	18764	0.400	ng	#-0.01
13) Acenaphthene-d10	14.419	164	7890	0.400	ng	-0.01
19) Phenanthrene-d10	17.173	188	11230	0.400	ng	#-0.01
29) Chrysene-d12	21.366	240	9380	0.400	ng	# 0.00
35) Perylene-d12	23.674	264	9467	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.334	112	6540	0.396	ng	0.00
5) Phenol-d6	6.930	99	7356	0.357	ng	0.00
8) Nitrobenzene-d5	8.907	82	6354	0.423	ng	-0.01
11) 2-Methylnaphthalene-d10	12.161	152	10719m	0.402	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	842	0.339	ng	0.00
15) 2-Fluorobiphenyl	13.040	172	14399	0.472	ng	-0.01
27) Fluoranthene-d10	19.211	212	10168	0.417	ng	0.00
31) Terphenyl-d14	19.814	244	7877	0.364	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	2458	0.330	ng	# 34
3) n-Nitrosodimethylamine	3.557	42	3487	0.380	ng	# 94
6) bis(2-Chloroethyl)ether	7.183	93	7355	0.372	ng	97
9) Naphthalene	10.615	128	20286	0.389	ng	100
10) Hexachlorobutadiene	10.904	225	3715	0.419	ng	# 100
12) 2-Methylnaphthalene	12.232	142	11265	0.329	ng	98
16) Acenaphthylene	14.142	152	15238	0.432	ng	99
17) Acenaphthene	14.484	154	9248	0.376	ng	99
18) Fluorene	15.478	166	11047	0.347	ng	98
20) 4,6-Dinitro-2-methylph...	15.572	198	252	0.381	ng	# 84
21) 4-Bromophenyl-phenylether	16.379	248	2987	0.384	ng	98
22) Hexachlorobenzene	16.491	284	3789	0.396	ng	99
23) Atrazine	16.639	200	1928	0.388	ng	# 93
24) Pentachlorophenol	16.838	266	1901	0.725	ng	98
25) Phenanthrene	17.223	178	13357	0.379	ng	99
26) Anthracene	17.310	178	11917	0.396	ng	99
28) Fluoranthene	19.243	202	13981	0.411	ng	99
30) Pyrene	19.605	202	14466	0.309	ng	99
32) Benzo(a)anthracene	21.348	228	12883	0.406	ng	100
33) Chrysene	21.402	228	15070	0.402	ng	99
34) Bis(2-ethylhexyl)phtha...	21.286	149	5639	0.324	ng	99
36) Indeno(1,2,3-cd)pyrene	26.028	276	18395	0.420	ng	99
37) Benzo(b)fluoranthene	22.975	252	14844	0.382	ng	99
38) Benzo(k)fluoranthene	23.022	252	16342	0.405	ng	100
39) Benzo(a)pyrene	23.572	252	13524	0.415	ng	97
40) Dibenzo(a,h)anthracene	26.042	278	13869	0.418	ng	99
41) Benzo(g,h,i)perylene	26.738	276	16373	0.413	ng	98

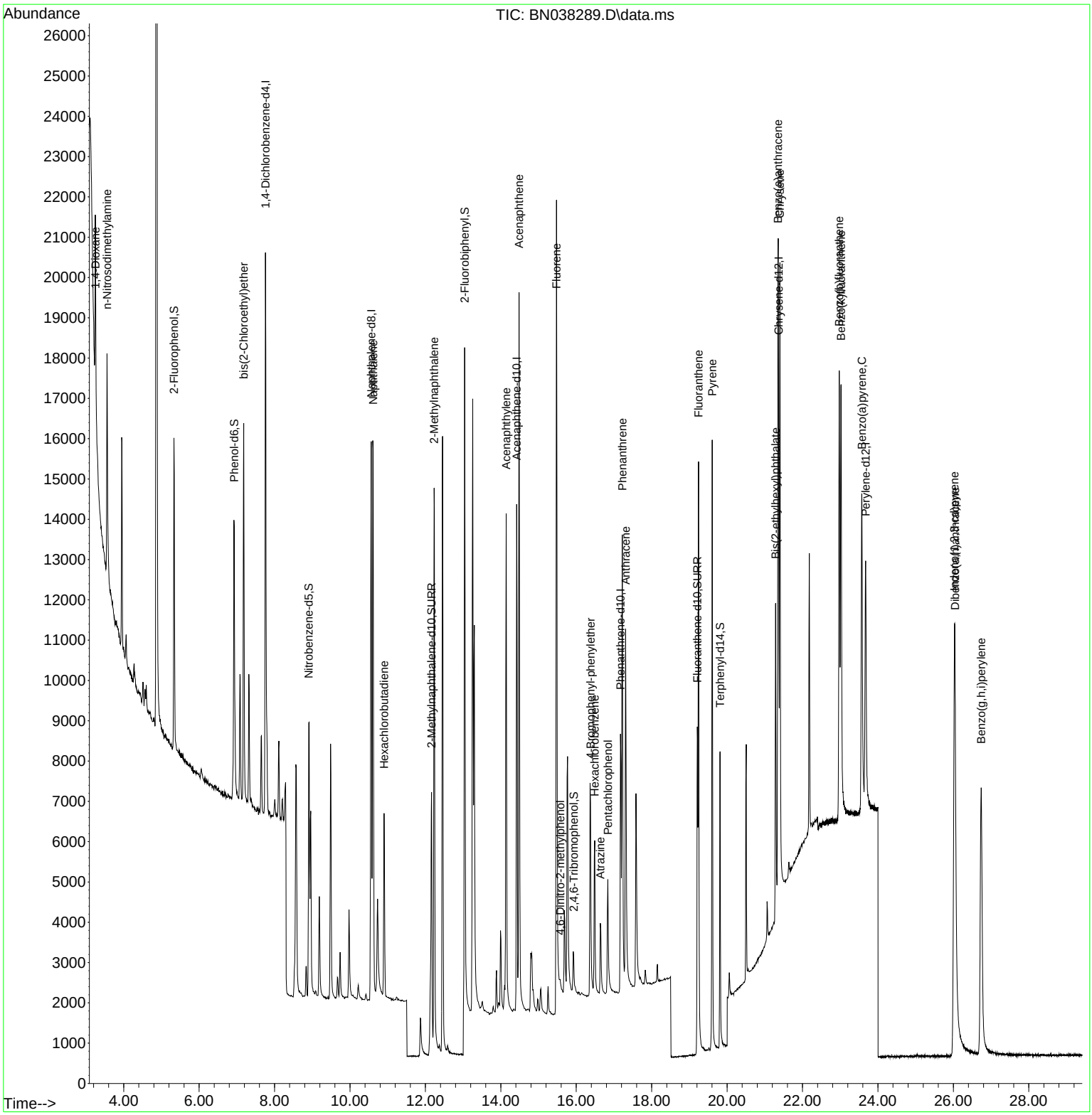
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120625\
Data File : BN038289.D
Acq On : 06 Dec 2025 00:55
Operator : RC/JU
Sample : PB170838BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 01:31:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB170838BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120625\
Data File : BN038290.D
Acq On : 06 Dec 2025 01:32
Operator : RC/JU
Sample : PB170838BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 06 03:22:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB170838BSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.761	152	6710	0.400	ng	0.00
7) Naphthalene-d8	10.562	136	17808	0.400	ng	-0.01
13) Acenaphthene-d10	14.420	164	7711	0.400	ng	-0.01
19) Phenanthrene-d10	17.173	188	11030	0.400	ng	#-0.01
29) Chrysene-d12	21.367	240	9170	0.400	ng	0.00
35) Perylene-d12	23.674	264	9318	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.334	112	5574	0.355	ng	0.00
5) Phenol-d6	6.930	99	6244	0.319	ng	0.00
8) Nitrobenzene-d5	8.907	82	5209	0.366	ng	-0.01
11) 2-Methylnaphthalene-d10	12.162	152	8483m	0.336	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	753	0.310	ng	0.00
15) 2-Fluorobiphenyl	13.041	172	12021	0.404	ng	-0.01
27) Fluoranthene-d10	19.211	212	9232	0.386	ng	0.00
31) Terphenyl-d14	19.815	244	7154	0.338	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.254	88	2191	0.310	ng	# 46
3) n-Nitrosodimethylamine	3.557	42	2989	0.343	ng	96
6) bis(2-Chloroethyl)ether	7.183	93	6324	0.337	ng	97
9) Naphthalene	10.605	128	17110	0.346	ng	99
10) Hexachlorobutadiene	10.904	225	3172	0.377	ng	# 98
12) 2-Methylnaphthalene	12.233	142	9566	0.294	ng	99
16) Acenaphthylene	14.142	152	13059	0.379	ng	99
17) Acenaphthene	14.484	154	7931	0.330	ng	98
18) Fluorene	15.478	166	9500	0.305	ng	98
20) 4,6-Dinitro-2-methylph...	15.572	198	206	0.347	ng	# 64
21) 4-Bromophenyl-phenylether	16.379	248	2578	0.337	ng	99
22) Hexachlorobenzene	16.491	284	3363	0.358	ng	97
23) Atrazine	16.640	200	1714	0.351	ng	# 91
24) Pentachlorophenol	16.838	266	1688	0.655	ng	99
25) Phenanthrene	17.223	178	11833	0.342	ng	99
26) Anthracene	17.310	178	10550	0.357	ng	100
28) Fluoranthene	19.243	202	12671	0.380	ng	99
30) Pyrene	19.606	202	13070	0.285	ng	100
32) Benzo(a)anthracene	21.349	228	11259	0.363	ng	99
33) Chrysene	21.402	228	13503	0.368	ng	99
34) Bis(2-ethylhexyl)phtha...	21.286	149	5015	0.295	ng	98
36) Indeno(1,2,3-cd)pyrene	26.028	276	16471	0.382	ng	99
37) Benzo(b)fluoranthene	22.976	252	13219	0.346	ng	97
38) Benzo(k)fluoranthene	23.022	252	14429	0.363	ng	97
39) Benzo(a)pyrene	23.569	252	11901	0.371	ng	98
40) Dibenzo(a,h)anthracene	26.045	278	12263	0.376	ng	99
41) Benzo(g,h,i)perylene	26.738	276	14353	0.368	ng	97

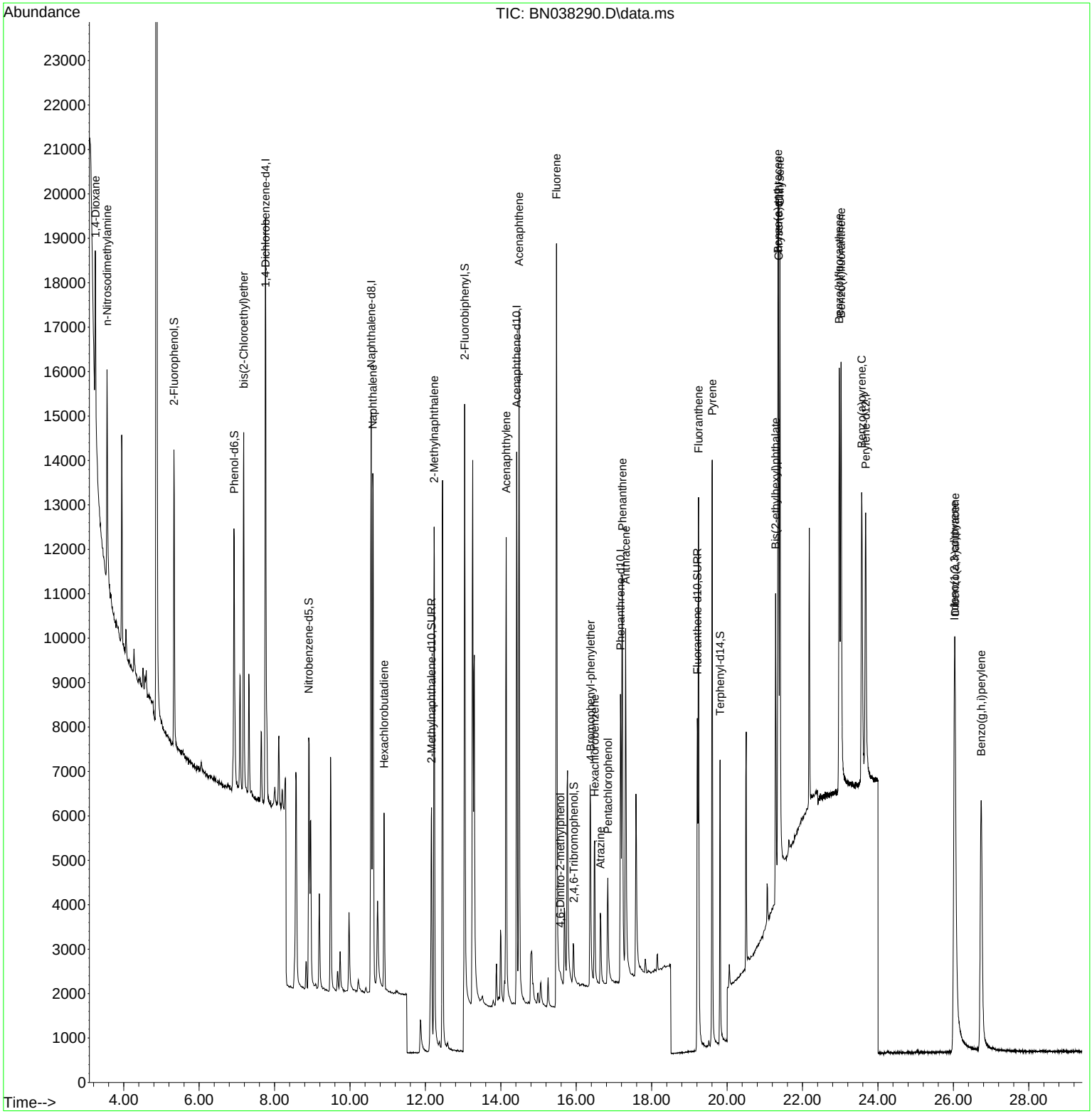
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120625\
Data File : BN038290.D
Acq On : 06 Dec 2025 01:32
Operator : RC/JU
Sample : PB170838BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 06 03:22:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
PB170838BSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025



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

Manual Integration Report

Sequence:	BN112725	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN038212.D	Benzo(g,h,i)perylene	Jagrut	12/2/2025 4:10:05 PM	mohammad	12/3/2025 1:12:27 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BN120625	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170838BS	BN038289.D	2-Methylnaphthalene-d10	Jagrut	12/8/2025 3:29:59 PM	mohammad	12/9/2025 12:44:58 AM	Peak Integrated by Software
PB170838BSD	BN038290.D	2-Methylnaphthalene-d10	Jagrut	12/8/2025 3:30:02 PM	mohammad	12/9/2025 12:44:58 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BN121025	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:	BN121125	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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN112725

Review By	Jagrut	Review On	12/2/2025 3:36:38 PM		
Supervise By	mohammad	Supervise On	12/3/2025 1:12:27 AM		
SubDirectory	BN112725	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN112725

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904
CCC	SP6902
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6906
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038211.D	26 Nov 2025 19:55	RC/JU	Ok
2	SSTDICC0.1	BN038212.D	26 Nov 2025 20:35	RC/JU	Ok,M
3	SSTDICC0.2	BN038213.D	26 Nov 2025 21:12	RC/JU	Ok
4	SSTDICCC0.4	BN038214.D	26 Nov 2025 21:48	RC/JU	Ok
5	SSTDICC0.8	BN038215.D	26 Nov 2025 22:25	RC/JU	Ok
6	SSTDICC1.6	BN038216.D	26 Nov 2025 23:01	RC/JU	Ok
7	SSTDICC3.2	BN038217.D	26 Nov 2025 23:37	RC/JU	Ok
8	SSTDICC5.0	BN038218.D	27 Nov 2025 00:13	RC/JU	Ok
9	SSTDICV0.4	BN038219.D	27 Nov 2025 00:49	RC/JU	Ok
10	PB170483BL	BN038220.D	27 Nov 2025 02:01	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 # BN120625

Review By	Jagrut	Review On	12/8/2025 3:30:30 PM				
Supervise By	mohammad	Supervise On	12/9/2025 12:44:58 AM				
SubDirectory	BN120625	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN112725		

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904
CCC	SP6902
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6906
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038286.D	05 Dec 2025 22:23	RC/JU	Ok
2	SSTDCCC0.4	BN038287.D	05 Dec 2025 23:42	RC/JU	Ok
3	PB170838BL	BN038288.D	06 Dec 2025 00:19	RC/JU	Ok
4	PB170838BS	BN038289.D	06 Dec 2025 00:55	RC/JU	Ok,M
5	PB170838BSD	BN038290.D	06 Dec 2025 01:32	RC/JU	Ok,M
6	Q3756-01	BN038291.D	06 Dec 2025 02:08	RC/JU	Ok
7	Q3756-03	BN038292.D	06 Dec 2025 02:45	RC/JU	Dilution
8	Q3756-05	BN038293.D	06 Dec 2025 03:21	RC/JU	Ok
9	Q3756-07	BN038294.D	06 Dec 2025 03:58	RC/JU	Ok,M
10	Q3756-09	BN038295.D	06 Dec 2025 04:35	RC/JU	Ok
11	Q3757-01	BN038296.D	06 Dec 2025 05:11	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 # BN121025

Review By	rahul	Review On	12/11/2025 4:30:54 PM		
Supervise By	mohammad	Supervise On	12/13/2025 12:56:07 AM		
SubDirectory	BN121025	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038297.D	10 Dec 2025 09:12	RC/JU	Ok
2	SSTDICC0.1	BN038298.D	10 Dec 2025 09:52	RC/JU	Ok
3	SSTDICC0.2	BN038299.D	10 Dec 2025 10:28	RC/JU	Ok
4	SSTDICCC0.4	BN038300.D	10 Dec 2025 11:05	RC/JU	Ok
5	SSTDICC0.8	BN038301.D	10 Dec 2025 11:41	RC/JU	Ok
6	SSTDICC1.6	BN038302.D	10 Dec 2025 12:17	RC/JU	Ok
7	SSTDICC3.2	BN038303.D	10 Dec 2025 12:53	RC/JU	Ok
8	SSTDICC5.0	BN038304.D	10 Dec 2025 13:30	RC/JU	Ok
9	SSTDICV0.4	BN038305.D	10 Dec 2025 14:06	RC/JU	Ok
10	PB170590BL	BN038306.D	10 Dec 2025 14:42	RC/JU	Ok
11	Q3483-11	BN038307.D	10 Dec 2025 15:18	RC/JU	Dilution
12	Q3483-11DL	BN038308.D	10 Dec 2025 15:54	RC/JU	Ok,M
13	SSTDCCC0.4	BN038309.D	10 Dec 2025 17:15	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 # BN121125

Review By	rahul	Review On	12/11/2025 4:31:02 PM		
Supervise By	Jagrut	Supervise On	12/12/2025 2:27:51 PM		
SubDirectory	BN121125	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038310.D	11 Dec 2025 10:33	RC/JU	Ok
2	SSTDCCC0.4	BN038311.D	11 Dec 2025 11:13	RC/JU	Ok
3	PB170850BL	BN038312.D	11 Dec 2025 11:49	RC/JU	Ok
4	Q3757-03	BN038313.D	11 Dec 2025 12:25	RC/JU	Dilution
5	Q3757-05	BN038314.D	11 Dec 2025 13:01	RC/JU	Ok
6	Q3757-07	BN038315.D	11 Dec 2025 13:38	RC/JU	Ok
7	Q3757-09	BN038316.D	11 Dec 2025 14:14	RC/JU	Ok
8	Q3757-11	BN038317.D	11 Dec 2025 14:50	RC/JU	Ok
9	Q3787-07	BN038318.D	11 Dec 2025 15:27	RC/JU	Ok
10	Q3787-09	BN038319.D	11 Dec 2025 16:03	RC/JU	Ok
11	Q3787-11	BN038320.D	11 Dec 2025 16:39	RC/JU	Ok
12	Q3787-13	BN038321.D	11 Dec 2025 17:15	RC/JU	Ok
13	Q3787-15	BN038322.D	11 Dec 2025 17:52	RC/JU	Ok
14	Q3787-17	BN038323.D	11 Dec 2025 18:28	RC/JU	Ok
15	Q3787-19	BN038324.D	11 Dec 2025 19:04	RC/JU	Ok
16	Q3788-07	BN038325.D	11 Dec 2025 19:40	RC/JU	Ok
17	Q3788-11	BN038326.D	11 Dec 2025 20:16	RC/JU	Ok
18	PB170850BS	BN038327.D	11 Dec 2025 20:52	RC/JU	Ok,M
19	SSTDCCC0.4	BN038328.D	11 Dec 2025 21:28	RC/JU	Ok
20	DFTPP	BN038329.D	11 Dec 2025 23:20	RC/JU	Ok
21	SSTDCCC0.4	BN038330.D	11 Dec 2025 23:59	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 # BN121125

Review By	rahul	Review On	12/11/2025 4:31:02 PM		
Supervise By	Jagrut	Supervise On	12/12/2025 2:27:51 PM		
SubDirectory	BN121125	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB170850BL	BN038331.D	12 Dec 2025 00:36	RC/JU	Not Ok
23	Q3756-03DL	BN038332.D	12 Dec 2025 01:13	RC/JU	Ok
24	Q3757-03DL	BN038333.D	12 Dec 2025 01:49	RC/JU	Ok
25	Q3788-01	BN038334.D	12 Dec 2025 02:25	RC/JU	Dilution
26	Q3788-02MS	BN038335.D	12 Dec 2025 03:01	RC/JU	Ok,M
27	Q3788-03MSD	BN038336.D	12 Dec 2025 03:37	RC/JU	Ok,M
28	Q3787-01	BN038337.D	12 Dec 2025 04:13	RC/JU	Ok
29	Q3787-02MS	BN038338.D	12 Dec 2025 04:49	RC/JU	Ok,M
30	Q3787-03MSD	BN038339.D	12 Dec 2025 05:25	RC/JU	Ok,M
31	Q3788-09	BN038340.D	12 Dec 2025 06:02	RC/JU	Ok
32	SSTDCCC0.4	BN038341.D	12 Dec 2025 06:38	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 # BN112725

Review By	Jagrut	Review On	12/2/2025 3:36:38 PM	
Supervise By	mohammad	Supervise On	12/3/2025 1:12:27 AM	
SubDirectory	BN112725	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN112725

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904
CCC	SP6902
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6906
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038211.D	26 Nov 2025 19:55		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN038212.D	26 Nov 2025 20:35		RC/JU	Ok,M
3	SSTDICC0.2	SSTDICC0.2	BN038213.D	26 Nov 2025 21:12		RC/JU	Ok
4	SSTDICCC0.4	SSTDICCC0.4	BN038214.D	26 Nov 2025 21:48	Compound #20 kept on QR.	RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN038215.D	26 Nov 2025 22:25		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN038216.D	26 Nov 2025 23:01		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN038217.D	26 Nov 2025 23:37		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN038218.D	27 Nov 2025 00:13	Compound #14,24 removed from 5.0 level	RC/JU	Ok
9	SSTDICV0.4	ICVBN112725	BN038219.D	27 Nov 2025 00:49	ICV failed for compound #05,20,24	RC/JU	Ok
10	PB170483BL	PB170483BL	BN038220.D	27 Nov 2025 02:01		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 # BN120625

Review By	Jagrut	Review On	12/8/2025 3:30:30 PM	
Supervise By	mohammad	Supervise On	12/9/2025 12:44:58 AM	
SubDirectory	BN120625	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN112725

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6897,SP6898,SP6900,SP6901,SP6902,SP6903,SP6904
CCC	SP6902
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6906
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038286.D	05 Dec 2025 22:23		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN038287.D	05 Dec 2025 23:42		RC/JU	Ok
3	PB170838BL	PB170838BL	BN038288.D	06 Dec 2025 00:19		RC/JU	Ok
4	PB170838BS	PB170838BS	BN038289.D	06 Dec 2025 00:55		RC/JU	Ok,M
5	PB170838BSD	PB170838BSD	BN038290.D	06 Dec 2025 01:32		RC/JU	Ok,M
6	Q3756-01	OW-04B-26.5-120225	BN038291.D	06 Dec 2025 02:08		RC/JU	Ok
7	Q3756-03	BR-01-190-120225	BN038292.D	06 Dec 2025 02:45	Need 2X Dilution	RC/JU	Dilution
8	Q3756-05	MW-04-12-120225	BN038293.D	06 Dec 2025 03:21		RC/JU	Ok
9	Q3756-07	MW-13B-47.5-120225	BN038294.D	06 Dec 2025 03:58		RC/JU	Ok,M
10	Q3756-09	EB01-120225	BN038295.D	06 Dec 2025 04:35		RC/JU	Ok
11	Q3757-01	MW-14A-17.5-120325	BN038296.D	06 Dec 2025 05:11		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 # BN121025

Review By	rahul	Review On	12/11/2025 4:30:54 PM	
Supervise By	mohammad	Supervise On	12/13/2025 12:56:07 AM	
SubDirectory	BN121025	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038297.D	10 Dec 2025 09:12		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN038298.D	10 Dec 2025 09:52		RC/JU	Ok
3	SSTDICC0.2	SSTDICC0.2	BN038299.D	10 Dec 2025 10:28		RC/JU	Ok
4	SSTDICCC0.4	SSTDICCC0.4	BN038300.D	10 Dec 2025 11:05		RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN038301.D	10 Dec 2025 11:41		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN038302.D	10 Dec 2025 12:17		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN038303.D	10 Dec 2025 12:53		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN038304.D	10 Dec 2025 13:30	Comp# 20 (4,6-Dinitro-2-methylphenol) removed from 5.0 ng level	RC/JU	Ok
9	SSTDICV0.4	ICVBN121025	BN038305.D	10 Dec 2025 14:06		RC/JU	Ok
10	PB170590BL	PB170590BL	BN038306.D	10 Dec 2025 14:42		RC/JU	Ok
11	Q3483-11	HW1025-PT-BNA-SOIL	BN038307.D	10 Dec 2025 15:18	Need 100X Dilution	RC/JU	Dilution
12	Q3483-11DL	HW1025-PT-BNA-SOIL	BN038308.D	10 Dec 2025 15:54		RC/JU	Ok,M
13	SSTDCCC0.4	SSTDCCC0.4EC	BN038309.D	10 Dec 2025 17:15		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 # BN121125

Review By	rahul	Review On	12/11/2025 4:31:02 PM	
Supervise By	Jagrut	Supervise On	12/12/2025 2:27:51 PM	
SubDirectory	BN121125	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038310.D	11 Dec 2025 10:33		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN038311.D	11 Dec 2025 11:13		RC/JU	Ok
3	PB170850BL	PB170850BL	BN038312.D	11 Dec 2025 11:49		RC/JU	Ok
4	Q3757-03	BR-03D-490-120325	BN038313.D	11 Dec 2025 12:25	Need 10X Dilution	RC/JU	Dilution
5	Q3757-05	MW-14B-46-120325	BN038314.D	11 Dec 2025 13:01		RC/JU	Ok
6	Q3757-07	RMW-05B-90.5-120325	BN038315.D	11 Dec 2025 13:38		RC/JU	Ok
7	Q3757-09	OW-05B-72-120325	BN038316.D	11 Dec 2025 14:14		RC/JU	Ok
8	Q3757-11	EB01-120325	BN038317.D	11 Dec 2025 14:50		RC/JU	Ok
9	Q3787-07	OWBR-02-170-120425	BN038318.D	11 Dec 2025 15:27		RC/JU	Ok
10	Q3787-09	OWBR-02-170-120425-	BN038319.D	11 Dec 2025 16:03		RC/JU	Ok
11	Q3787-11	OW-03B-51.5-120425	BN038320.D	11 Dec 2025 16:39		RC/JU	Ok
12	Q3787-13	OW-03B-51.5-120425-F	BN038321.D	11 Dec 2025 17:15		RC/JU	Ok
13	Q3787-15	OW-08B-72.5-120425	BN038322.D	11 Dec 2025 17:52		RC/JU	Ok
14	Q3787-17	OW-08B-72.5-120425-F	BN038323.D	11 Dec 2025 18:28		RC/JU	Ok
15	Q3787-19	OW-02B-21.2-120425	BN038324.D	11 Dec 2025 19:04		RC/JU	Ok
16	Q3788-07	OW-01B-66.5-120525	BN038325.D	11 Dec 2025 19:40		RC/JU	Ok
17	Q3788-11	MW-16B-87.5-120525	BN038326.D	11 Dec 2025 20:16		RC/JU	Ok
18	PB170850BS	PB170850BS	BN038327.D	11 Dec 2025 20:52		RC/JU	Ok,M

Alliance TECHNICAL GROUP
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 # BN121125

Review By	rahul	Review On	12/11/2025 4:31:02 PM	
Supervise By	Jagrut	Supervise On	12/12/2025 2:27:51 PM	
SubDirectory	BN121125	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC0.4	SSTDCCC0.4EC	BN038328.D	11 Dec 2025 21:28		RC/JU	Ok
20	DFTPP	DFTPP	BN038329.D	11 Dec 2025 23:20		RC/JU	Ok
21	SSTDCCC0.4	SSTDCCC0.4	BN038330.D	11 Dec 2025 23:59		RC/JU	Ok
22	PB170850BL	PB170850BL	BN038331.D	12 Dec 2025 00:36	Analyzed for contamination check	RC/JU	Not Ok
23	Q3756-03DL	BR-01-190-120225DL	BN038332.D	12 Dec 2025 01:13		RC/JU	Ok
24	Q3757-03DL	BR-03D-490-120325DL	BN038333.D	12 Dec 2025 01:49		RC/JU	Ok
25	Q3788-01	OWBR-05-135-120525	BN038334.D	12 Dec 2025 02:25	Need 10X	RC/JU	Dilution
26	Q3788-02MS	OWBR-05-135-120525I	BN038335.D	12 Dec 2025 03:01		RC/JU	Ok,M
27	Q3788-03MSD	OWBR-05-135-120525I	BN038336.D	12 Dec 2025 03:37		RC/JU	Ok,M
28	Q3787-01	MW-15B-42.5-120425	BN038337.D	12 Dec 2025 04:13		RC/JU	Ok
29	Q3787-02MS	MW-15B-42.5-120425M	BN038338.D	12 Dec 2025 04:49		RC/JU	Ok,M
30	Q3787-03MSD	MW-15B-42.5-120425M	BN038339.D	12 Dec 2025 05:25		RC/JU	Ok,M
31	Q3788-09	TA-BR-05-465-120525	BN038340.D	12 Dec 2025 06:02		RC/JU	Ok
32	SSTDCCC0.4	SSTDCCC0.4EC	BN038341.D	12 Dec 2025 06:38		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170838

SOP ID:	M3510C,3580A-Extraction SVOC-21				
Clean Up SOP #:	N/A			**Extraction Start Date :**	12/05/2025
Matrix :	Water			**Extraction Start Time :**	08:45
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	12/05/2025
Balance check:	N/A	**Filter By:**	RS	**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	SP6938
Surrogate	1.0ML	0.4 PPM	SP6893
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	E3986
Baked Na2SO4	N/A	EP2663
H2SO4 1:1	N/A	EP2657
10N NaoH	N/A	EP2658
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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:

pH Adjusted TO <2 with 1:1 H2SO4 & >11with 10N NAOH ,1.5ML Vial Lot #2210443.

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
12/5/25	RS (Ext-lab)	JY/SVOC
13:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170838

Analytical Method: M3510C,3580A-Extraction SVOC-21 **Concentration Date:** 12/05/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170838BL	SBLK838	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			SEP-1
PB170838BS	SLCS838	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			2
PB170838BSD	SLCSD838	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			3
Q3756-01	OW-04B-26.5-120225	SVOC-SIMGroup1	960	6	RUPESH	ritesh	1	E		4
Q3756-03	BR-01-190-120225	SVOC-SIMGroup1	970	6	RUPESH	ritesh	1	E		5
Q3756-05	MW-04-12-120225	SVOC-SIMGroup1	900	6	RUPESH	ritesh	1	E		6
Q3756-07	MW-13B-47.5-120225	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1	E		7
Q3756-09	EB01-120225	SVOC-SIMGroup1	950	6	RUPESH	ritesh	1	E		8
Q3757-01	MW-14A-17.5-120325	SVOC-SIMGroup1	890	6	RUPESH	ritesh	1	E		9
Q3757-03	BR-03D-490-120325	SVOC-SIMGroup1	910	6	RUPESH	ritesh	1	E		10
Q3757-05	MW-14B-46-120325	SVOC-SIMGroup1	920	6	RUPESH	ritesh	1	E		11
Q3757-07	RMW-05B-90.5-120325	SVOC-SIMGroup1	970	6	RUPESH	ritesh	1	E		12
Q3757-09	OW-05B-72-120325	SVOC-SIMGroup1	950	6	RUPESH	ritesh	1	E		13
Q3757-11	EB01-120325	SVOC-SIMGroup1	870	6	RUPESH	ritesh	1	E		14

RS 12/5

* **Extracts relinquished on the same date as received.**

Q3757 0838 8-45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3756 **WorkList ID :** 193498 **Department :** Extraction **Date :** 12-05-2025 08:40:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3756-01	OW-04B-26.5-120225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/02/2025	8270-Modified
Q3756-03	BR-01-190-120225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/02/2025	8270-Modified
Q3756-05	MW-04-12-120225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/02/2025	8270-Modified
Q3756-07	MW-13B-47.5-120225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/02/2025	8270-Modified
Q3756-09	EB01-120225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/02/2025	8270-Modified
Q3757-01	MW-14A-17.5-120325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/03/2025	8270-Modified
Q3757-03	BR-03D-490-120325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/03/2025	8270-Modified
Q3757-05	MW-14B-46-120325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/03/2025	8270-Modified
Q3757-07	RMW-05B-90.5-120325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/03/2025	8270-Modified
Q3757-09	OW-05B-72-120325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/03/2025	8270-Modified
Q3757-11	EB01-120325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/03/2025	8270-Modified

Date/Time 12/5/25 8:40
Raw Sample Received by: RS (Ext lab)
Raw Sample Relinquished by: [signature]

Date/Time 12/5/25 9:20
Raw Sample Received by: [signature]
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:	Q3757	**OrderDate:**	12/3/2025 9:25:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	--Select--,A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3757-01	**MW-14A-17.5-120325**	**Water**			**12/03/25**			**12/03/25**
			SVOC-SIMGroup1	8270-Modified		12/05/25	12/06/25	
Q3757-03	**BR-03D-490-120325**	**Water**			**12/03/25**			**12/03/25**
			SVOC-SIMGroup1	8270-Modified		12/05/25	12/11/25	
Q3757-03DL	**BR-03D-490-120325DL**	**Water**			**12/03/25**			**12/03/25**
			SVOC-SIMGroup1	8270-Modified		12/05/25	12/12/25	
Q3757-05	**MW-14B-46-120325**	**Water**			**12/03/25**			**12/03/25**
			SVOC-SIMGroup1	8270-Modified		12/05/25	12/11/25	
Q3757-07	**RMW-05B-90.5-120325**	**Water**			**12/03/25**			**12/03/25**
			SVOC-SIMGroup1	8270-Modified		12/05/25	12/11/25	
Q3757-09	**OW-05B-72-120325**	**Water**			**12/03/25**			**12/03/25**
			SVOC-SIMGroup1	8270-Modified		12/05/25	12/11/25	
Q3757-11	**EB01-120325**	**Water**			**12/03/25**			**12/03/25**
			SVOC-SIMGroup1	8270-Modified		12/05/25	12/11/25	

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. Q3757
COC Number 2047320

8
8.1

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite # 100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Infante
PHONE: (781) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D4033126 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201) 936-0586 FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☒ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other
☐ EDD FORMAT

ANALYSIS

1: Site Specific VOCs (8260D-Low)
2: Trace VOCs: Site Specific (SEAM01.1-SIM)
3: 1,4 Dioxane (8270E-SIM)
4:
5:
6:
7:
8:
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A/E)	2 (A/E)	3 (E)	4	5	6	7	8	9	COMMENTS
1.	MW-14A-17.5-120325	GW		X	12/3/25	1020	5	X		X							
2.	MW-14A-17.5-120325-SIM	GW		X	12/3/25	1020	3		X								
3.	BR-03D-490-120325	GW		X	12/3/25	1250	5	X		X							
4.	BR-03D-490-120325-SIM	GW		X	12/3/25	1250	3		X								
5.	MW-14B-46-120325	GW		X	12/3/25	1300	5	X		X							
6.	MW-14B-46-120325-SIM	GW		X	12/3/25	1300	3		X								
7.	RMW-05B-90.5-120325	GW		X	12/3/25	1350	5	X		X							
8.	RMW-05B-90.5-120325-SIM	GW		X	12/3/25	1350	3		X								
9.	OW-05B-72-120325	GW		X	12/3/25	1440	5	X		X							
10.	OW-05B-72-120325-SIM	GW		X	12/3/25	1440	3		X								

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:	DATE/TIME:
1.	12-3-25 1610	1.	12-3-25 1610
2.		2.	
3.	12-3-25 1747	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.0 °C
Comments: See work order for list of site specific VOCs

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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

ALLIANCE PROJECT NO.
QUOTE NO. Q 3757
COC Number 2047322

8
8.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite H100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Infante
PHONE: (281)414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D4033126 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201)936-0586 FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 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	2	3	4	5	6	7	8	9
Site Specific VOCs (8260D-SIM)	Tmic VOCs (SFAM01.1-SIM)	1,4 Dioxane (8270E-SIM)						

PRESERVATIVES

1	2	3	4	5	6	7	8	9
A/E	A/E	E						

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	EB01-120325	DI		X	12/3/25	1530	8	X	X	X						
2.	TB01-120325	DI		X	12/3/25	0800	4	X	X							
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

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

	DATE/TIME		
RELINQUISHED BY SAMPLER: 1.	DATE/TIME: 12-3-25 1610	RECEIVED BY: 1.	1610 12-3-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 12-3-25 1747	RECEIVED BY: 3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments: See work order for list of site specific VOCs

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3757 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 12/3/2025 9:25:00 AM
Project Name : Former Schlumberger STC
Receive DateTime : 12/3/2025 5:47:00 PM
Purchase Order :

Project Mgr : Deepak
Report Type : Level 3
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff : 12/4/2025 2:28:49 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3757-01	MW-14A-17.5-120325	Water	12/03/2025	10:20					
					VOCMS Group3		8260-Low		10 Bus. Days
Q3757-02	MW-14A-17.5-120325-SIM	Water	12/03/2025	10:20					
					VOC-SIM		SFAM_VOCSIM		10 Bus. Days
Q3757-03	BR-03D-490-120325	Water	12/03/2025	12:50					
					VOCMS Group3		8260-Low		10 Bus. Days
Q3757-04	BR-03D-490-120325-SIM	Water	12/03/2025	12:50					
					VOC-SIM		SFAM_VOCSIM		10 Bus. Days
Q3757-05	MW-14B-46-120325	Water	12/03/2025	13:00					
					VOCMS Group3		8260-Low		10 Bus. Days
Q3757-06	MW-14B-46-120325-SIM	Water	12/03/2025	13:00					
					VOC-SIM		SFAM_VOCSIM		10 Bus. Days
Q3757-07	RMW-05B-90.5-120325	Water	12/03/2025	13:50					
					VOCMS Group3		8260-Low		10 Bus. Days
Q3757-08	RMW-05B-90.5-120325-SIM	Water	12/03/2025	13:50					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3757 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 12/3/2025 9:25:00 AM
Project Name : Former Schlumberger STC
Receive DateTime : 12/3/2025 5:47:00 PM
Purchase Order :

Project Mgr : Deepak
Report Type : Level 3
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff : 12/4/2025 2:28:49 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3757-09	OW-05B-72-120325	Water	12/03/2025	14:40					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3757-10	OW-05B-72-120325-SIM	Water	12/03/2025	14:40					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3757-11	EB01-120325	Water	12/03/2025	15:30					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3757-12	TB01-120325	Water	12/03/2025	08:00					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3757-14	VHBLK001	Water	12/03/2025	17:47					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3757 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 12/3/2025 9:25:00 AM
Project Name : Former Schlumberger STC
Receive DateTime : 12/3/2025 5:47:00 PM
Purchase Order :

Project Mgr : Deepak
Report Type : Level 3
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff : 12/4/2025 2:28:49 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : aP
Date / Time : 12/4/25 9:30

Received By : JC
Date / Time : 12/4/25 9:30
Storage Area : VOA Refridgerator Room