

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 : Q3788

ATTENTION : John Ynfante



Laboratory Certification ID # 20012



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	167
7) SVOC-SIMGroup1 Data	274
8) Shipping Document	395
8.1) CHAIN OF CUSTODY	396
8.2) Lab Certificate	397
8.3) Internal COC	398

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) : Q3788 Sampling Date(s) : 12/05/2025
 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."

Cover Page

Order ID : Q3788

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

Q3788-01
Q3788-02
Q3788-03
Q3788-04
Q3788-05
Q3788-06
Q3788-07
Q3788-08
Q3788-09
Q3788-10
Q3788-11
Q3788-12
Q3788-13
Q3788-14

Client Sample Number

OWBR-05-135-120525
OWBR-05-135-120525-MS
OWBR-05-135-120525-MSD
OWBR-05-135-120525-SIM
OWBR-05-135-120525-SIM-MS
OWBR-05-135-120525-SIM-MSD
OW-01B-66.5-120525
OW-01B-66.5-120525-SIM
BR-05-465-120525
BR-05-465-120525-SIM
MW-16B-87.5-120525
MW-16B-87.5-120525-SIM
TB01-120525
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 : _____

Date: 12/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger STC PTC Site D3868221

Project # N/A

Order ID # Q3788

Test Name: VOCMS Group3,VOC-SIM,SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

14 Water samples were received on 12/05/2025.

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_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 : BR-05-465-120525 [1,2-Dichloroethane-d4 - 128%, Dibromofluoromethane - 74%], BR-05-465-120525RE [4-Bromofluorobenzene - 123%, Dibromofluoromethane - 71%], MW-16B-87.5-120525 [Toluene-d8 - 71%] and MW-16B-87.5-120525RE [4-Bromofluorobenzene - 122%] these compounds did not meet the in-house criteria but met the NJDKQP criteria, samples were reanalyzed to confirm the failure and reported.

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

VOC-SIM : OWBR-05-135-120525-SIM [1,2-Dichloroethane-d4 - 157%], OWBR-05-135-120525-SIMMS [1,2-Dichloroethane-d4 - 162%], OWBR-05-135-120525-SIMMSD [1,2-Dichloroethane-d4 - 163%] surrogate is failing but confirm with MS-MSD therefore no corrective action taken while BR-05-465-120525-SIM [1,1,2,2-Tetrachloroethane-d2 - 0%] and BR-05-465-120525-SIMRE [1,1,2,2-Tetrachloroethane-d2 - 1%] sample was reanalyzed to confirm the failure and reported.

The Internal Standards Areas were met for all analysis except following VOC-SIM : MW-16B-87.5-120525-SIM as sample has bad chromatogram and high tic analytes, lab has not taken corrective action as ion may interfere with target analytes.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except following SVOC-SIMGroup1 : The MS {Q3788-02MS} with File ID: BN038335.D recoveries met the requirements for all compounds except for 1,4-Dioxane[-805%], is negative as the parent Sample- OWBR-05-135-120525 has a considerable concentration of this compound, run dilution and both run were reported in Hard Copy.

The MSD recoveries met the requirements for all compounds except following VOCMS Group3 : The MSD {Q3788-03MSD} with File ID: VX048776.D recoveries met the requirements for all compounds except for 1,1-Dichloroethene[60%] this compound did not meet the NJDKQP criteria and in-house criteria.

SVOC-SIMGroup1 : The MSD {Q3788-03MSD} with File ID: BN038336.D recoveries met the requirements for all compounds except for 1,4-Dioxane[-1500%], is negative as the parent Sample- OWBR-05-135-120525 has a considerable concentration of this compound, run dilution and both run were reported in Hard Copy.

The RPD were met for all analysis except following VOCMS Group3 :

The RPD for {Q3788-03MSD} with File ID: VX048776.D met criteria except for 1,1-Dichloroethene[29%] this compound did not meet the NJDKQP criteria and in-house criteria, due to difference in results of MS and MSD.

SVOC-SIMGroup1 : The RPD for {Q3788-03MSD} with File ID: BN038336.D met criteria except for 1,4-Dioxane[60%], due to difference in results of MS and MSD.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.



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

SVOC-SIMGroup1 : Sample OWBR-05-135-120525 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.

F. Manual Integration Comments:

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

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

Signature_____

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3788

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: 12/17/2025

Hit Summary Sheet SW-846

SDG No.: Q3788
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: OWBR-05-135-120525								
Q3788-01	OWBR-05-135-120	Water	1,1-Dichloroethene	120		0.23	1.00	ug/L
Q3788-01	OWBR-05-135-120	Water	1,1-Dichloroethane	9.30		0.23	1.00	ug/L
Q3788-01	OWBR-05-135-120	Water	cis-1,2-Dichloroethene	92.6		0.19	1.00	ug/L
Q3788-01	OWBR-05-135-120	Water	1,2-Dichloroethane	5.10		0.22	1.00	ug/L
Q3788-01	OWBR-05-135-120	Water	Trichloroethene	22.5		0.090	1.00	ug/L
			Total Voc :	250				
			Total Concentration:	250				
Client ID: OW-01B-66.5-120525								
Q3788-07	OW-01B-66.5-1205	Water	Trichloroethene	2.40		0.090	1.00	ug/L
Q3788-07	OW-01B-66.5-1205	Water	Tetrachloroethene	0.45	J	0.23	1.00	ug/L
			Total Voc :	2.85				
			Total Concentration:	2.85				

A
B
C
D
E
F
G
H
I
J



SAMPLE DATA

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: OWBR-05-135-120525
 Lab Sample ID: Q3788-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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	12/09/25 11:45	VX120925
75-35-4	1,1-Dichloroethene	120		1	0.23	1.00	ug/L	12/09/25 11:45	VX120925
75-34-3	1,1-Dichloroethane	9.30		1	0.23	1.00	ug/L	12/09/25 11:45	VX120925
156-59-2	cis-1,2-Dichloroethene	92.6		1	0.19	1.00	ug/L	12/09/25 11:45	VX120925
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/09/25 11:45	VX120925
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/09/25 11:45	VX120925
107-06-2	1,2-Dichloroethane	5.10		1	0.22	1.00	ug/L	12/09/25 11:45	VX120925
79-01-6	Trichloroethene	22.5		1	0.090	1.00	ug/L	12/09/25 11:45	VX120925
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/09/25 11:45	VX120925
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/09/25 11:45	VX120925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.2			70 (74) - 130 (125)	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	44.1			70 (75) - 130 (124)	88%	SPK: 50		
2037-26-5	Toluene-d8	45.1			70 (86) - 130 (113)	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.4			70 (77) - 130 (121)	113%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	135000							
540-36-3	1,4-Difluorobenzene	280000							
3114-55-4	Chlorobenzene-d5	296000							
3855-82-1	1,4-Dichlorobenzene-d4	153000							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: OW-01B-66.5-120525
 Lab Sample ID: Q3788-07
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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	12/10/25 16:13	VX121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 16:13	VX121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 16:13	VX121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 16:13	VX121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 16:13	VX121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 16:13	VX121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 16:13	VX121025
79-01-6	Trichloroethene	2.40		1	0.090	1.00	ug/L	12/10/25 16:13	VX121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 16:13	VX121025
127-18-4	Tetrachloroethene	0.45	J	1	0.23	1.00	ug/L	12/10/25 16:13	VX121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.5			70 (74) - 130 (125)	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.7			70 (75) - 130 (124)	93%	SPK: 50		
2037-26-5	Toluene-d8	47.2			70 (86) - 130 (113)	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	60.4			70 (77) - 130 (121)	121%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	134000							
540-36-3	1,4-Difluorobenzene	282000							
3114-55-4	Chlorobenzene-d5	304000							
3855-82-1	1,4-Dichlorobenzene-d4	163000							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.	Date Collected: 12/05/25	
Project: Former Schlumberger STC PTC Site D3868221	Date Received: 12/05/25	
Client Sample ID: BR-05-465-120525	SDG No.: Q3788	
Lab Sample ID: Q3788-09	Matrix: Water	
Analytical Method: 8260D	% Solid: 0	
Sample Wt/Vol: 5 mL	Test: VOCMS Group3	
Level: LOW		
Final Vol: 5000 uL		

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 17:21	VX120825
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 17:21	VX120825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/08/25 17:21	VX120825
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/08/25 17:21	VX120825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/08/25 17:21	VX120825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/08/25 17:21	VX120825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/08/25 17:21	VX120825
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/08/25 17:21	VX120825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/08/25 17:21	VX120825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 17:21	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	64.1			70 (74) - 130 (125)	128%	SPK: 50		
1868-53-7	Dibromofluoromethane	37.2			70 (75) - 130 (124)	74%	SPK: 50		
2037-26-5	Toluene-d8	44.7			70 (86) - 130 (113)	89%	SPK: 50		
460-00-4	4-Bromofluorobenzene	39.0			70 (77) - 130 (121)	78%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	159000							
540-36-3	1,4-Difluorobenzene	334000							
3114-55-4	Chlorobenzene-d5	260000							
3855-82-1	1,4-Dichlorobenzene-d4	130000							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: BR-05-465-120525RE
 Lab Sample ID: Q3788-09RE
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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	12/10/25 16:34	VX121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 16:34	VX121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 16:34	VX121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 16:34	VX121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 16:34	VX121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 16:34	VX121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 16:34	VX121025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/10/25 16:34	VX121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 16:34	VX121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 16:34	VX121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.5			70 (74) - 130 (125)	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	35.5			70 (75) - 130 (124)	71%	SPK: 50		
2037-26-5	Toluene-d8	46.9			70 (86) - 130 (113)	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	61.5			70 (77) - 130 (121)	123%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	142000							
540-36-3	1,4-Difluorobenzene	295000							
3114-55-4	Chlorobenzene-d5	322000							
3855-82-1	1,4-Dichlorobenzene-d4	176000							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: MW-16B-87.5-120525
 Lab Sample ID: Q3788-11
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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 17:41	VX120825
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 17:41	VX120825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/08/25 17:41	VX120825
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/08/25 17:41	VX120825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/08/25 17:41	VX120825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/08/25 17:41	VX120825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/08/25 17:41	VX120825
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/08/25 17:41	VX120825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/08/25 17:41	VX120825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 17:41	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.4			70 (74) - 130 (125)	119%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.2			70 (75) - 130 (124)	94%	SPK: 50		
2037-26-5	Toluene-d8	35.5			70 (86) - 130 (113)	71%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.8			70 (77) - 130 (121)	88%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	124000							
540-36-3	1,4-Difluorobenzene	277000							
3114-55-4	Chlorobenzene-d5	228000							
3855-82-1	1,4-Dichlorobenzene-d4	124000							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: MW-16B-87.5-120525RE
 Lab Sample ID: Q3788-11RE
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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	12/10/25 16:54	VX121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 16:54	VX121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 16:54	VX121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 16:54	VX121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 16:54	VX121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 16:54	VX121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 16:54	VX121025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/10/25 16:54	VX121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 16:54	VX121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 16:54	VX121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.2			70 (74) - 130 (125)	112%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.4			70 (75) - 130 (124)	95%	SPK: 50		
2037-26-5	Toluene-d8	47.6			70 (86) - 130 (113)	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	61.0			70 (77) - 130 (121)	122%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	145000							
540-36-3	1,4-Difluorobenzene	298000							
3114-55-4	Chlorobenzene-d5	321000							
3855-82-1	1,4-Dichlorobenzene-d4	183000							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: TB01-120525
 Lab Sample ID: Q3788-13
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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 18:02	VX120825
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 18:02	VX120825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/08/25 18:02	VX120825
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/08/25 18:02	VX120825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/08/25 18:02	VX120825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/08/25 18:02	VX120825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/08/25 18:02	VX120825
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/08/25 18:02	VX120825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/08/25 18:02	VX120825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 18:02	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.4			70 (74) - 130 (125)	111%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.5			70 (75) - 130 (124)	93%	SPK: 50		
2037-26-5	Toluene-d8	47.3			70 (86) - 130 (113)	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	58.7			70 (77) - 130 (121)	117%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	148000							
540-36-3	1,4-Difluorobenzene	304000							
3114-55-4	Chlorobenzene-d5	326000							
3855-82-1	1,4-Dichlorobenzene-d4	174000							

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

A

B

C

D

E

F

G

H

I

J

Surrogate Summary

SDG No.: **Q3788**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3788-01	OWBR-05-135-120525	1,2-Dichloroethane-d4	50	52.2	104		70 (74)	130 (125)
		Dibromofluoromethane	50	44.1	88		70 (75)	130 (124)
		Toluene-d8	50	45.1	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.4	113		70 (77)	130 (121)
Q3788-02MS	OWBR-05-135-120525MS	1,2-Dichloroethane-d4	50	47.4	95		70 (74)	130 (125)
		Dibromofluoromethane	50	43.6	87		70 (75)	130 (124)
		Toluene-d8	50	43.6	87		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.1	94		70 (77)	130 (121)
Q3788-03MSD	OWBR-05-135-120525MSD	1,2-Dichloroethane-d4	50	56.6	113		70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101		70 (75)	130 (124)
		Toluene-d8	50	49.3	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.0	106		70 (77)	130 (121)
Q3788-07	OW-01B-66.5-120525	1,2-Dichloroethane-d4	50	57.5	115		70 (74)	130 (125)
		Dibromofluoromethane	50	46.7	93		70 (75)	130 (124)
		Toluene-d8	50	47.2	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	60.4	121		70 (77)	130 (121)
Q3788-09	BR-05-465-120525	1,2-Dichloroethane-d4	50	64.1	128		70 (74)	130 (125)
		Dibromofluoromethane	50	37.2	74		70 (75)	130 (124)
		Toluene-d8	50	44.7	89		70 (86)	130 (113)
		4-Bromofluorobenzene	50	39.0	78		70 (77)	130 (121)
Q3788-09RE	BR-05-465-120525RE	1,2-Dichloroethane-d4	50	57.5	115		70 (74)	130 (125)
		Dibromofluoromethane	50	35.5	71		70 (75)	130 (124)
		Toluene-d8	50	46.9	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	61.5	123		70 (77)	130 (121)
Q3788-11	MW-16B-87.5-120525	1,2-Dichloroethane-d4	50	59.4	119		70 (74)	130 (125)
		Dibromofluoromethane	50	47.2	94		70 (75)	130 (124)
		Toluene-d8	50	35.5	71		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.8	88		70 (77)	130 (121)
Q3788-11RE	MW-16B-87.5-120525RE	1,2-Dichloroethane-d4	50	56.2	112		70 (74)	130 (125)
		Dibromofluoromethane	50	47.4	95		70 (75)	130 (124)
		Toluene-d8	50	47.6	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	61.0	122		70 (77)	130 (121)
Q3788-13	TB01-120525	1,2-Dichloroethane-d4	50	55.4	111		70 (74)	130 (125)
		Dibromofluoromethane	50	46.5	93		70 (75)	130 (124)
		Toluene-d8	50	47.3	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.7	117		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)
VX1209WBL01	VX1209WBL01	1,2-Dichloroethane-d4	50	56.0	112		70 (74)	130 (125)
		Dibromofluoromethane	50	45.5	91		70 (75)	130 (124)
		Toluene-d8	50	46.6	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.6	115		70 (77)	130 (121)
VX1209WBS02	VX1209WBS02	1,2-Dichloroethane-d4	50	46.5	93		70 (74)	130 (125)
		Dibromofluoromethane	50	44.7	89		70 (75)	130 (124)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q3788

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VX1209WBS02	VX1209WBS02	Toluene-d8	50	45.0	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.4	93		70 (77)	130 (121)
VX1210WBL01	VX1210WBL01	1,2-Dichloroethane-d4	50	51.4	103		70 (74)	130 (125)
		Dibromofluoromethane	50	45.2	90		70 (75)	130 (124)
		Toluene-d8	50	46.7	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.2	114		70 (77)	130 (121)
VX1210WBS01	VX1210WBS01	1,2-Dichloroethane-d4	50	54.9	110		70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102		70 (75)	130 (124)
		Toluene-d8	50	49.2	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.7	107		70 (77)	130 (121)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3788

Analytical Method: SW8260-Low

Client: JACOBS Engineering Group, Inc

Datafile : VX048776.D

Limits											
Parameter	Spike	Sample Result	Result	Units	Rec		RPD	RPD Qual	Low	High	RPD
					Rec	Qual					
Lab Sample ID :	Q3788-03MSD	Client Sample ID :	OWBR-05-135-120525MSD								
Vinyl chloride	50	0	50.5	ug/L	101		9		70 (69)	130 (125)	20 (20)
1,1-Dichloroethene	50	120	150	ug/L	60	*	29	*	70 (80)	130 (124)	20 (20)
1,1-Dichloroethane	50	9.30	68.4	ug/L	118		11		70 (78)	130 (122)	20 (20)
cis-1,2-Dichloroethene	50	92.6	140	ug/L	95		0		70 (55)	130 (150)	20 (20)
1,1,1-Trichloroethane	50	0	53.0	ug/L	106		11		70 (83)	130 (117)	20 (20)
Benzene	50	0	54.1	ug/L	108		10		70 (81)	130 (128)	20 (20)
1,2-Dichloroethane	50	5.10	60.8	ug/L	111		11		70 (76)	130 (120)	20 (20)
Trichloroethene	50	22.5	70.5	ug/L	96		4		70 (44)	130 (168)	20 (20)
1,1,2-Trichloroethane	50	0	57.4	ug/L	115		12		70 (73)	130 (136)	20 (20)
Tetrachloroethene	50	0	44.3	ug/L	89		7		70 (63)	130 (122)	20 (20)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3788

Analytical Method: SW8260-Low

Client: JACOBS Engineering Group, Inc

Datafile : VX048793.D

Limits											
Parameter	Spike	Sample Result	Result	Units	Rec		RPD	RPD Qual	Low	High	RPD
					Rec	Qual					
Lab Sample ID : Q3788-02MS		Client Sample ID :		OWBR-05-135-120525MS							
Vinyl chloride	50	0	46.3	ug/L	93				70 (69)	130 (125)	
1,1-Dichloroethene	50	120	160	ug/L	80				70 (80)	130 (124)	
1,1-Dichloroethane	50	9.30	62.5	ug/L	106				70 (78)	130 (122)	
cis-1,2-Dichloroethene	50	92.6	140	ug/L	95				70 (55)	130 (150)	
1,1,1-Trichloroethane	50	0	47.5	ug/L	95				70 (83)	130 (117)	
Benzene	50	0	49.1	ug/L	98				70 (81)	130 (128)	
1,2-Dichloroethane	50	5.10	54.6	ug/L	99				70 (76)	130 (120)	
Trichloroethene	50	22.5	72.6	ug/L	100				70 (44)	130 (168)	
1,1,2-Trichloroethane	50	0	50.9	ug/L	102				70 (73)	130 (136)	
Tetrachloroethene	50	0	41.3	ug/L	83				70 (63)	130 (122)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3788</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	Datafile :	<u>VX048745.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3788</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	Datafile :	<u>VX048773.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1209WBS02	Vinyl chloride	20	17.5	ug/L	88			70 (65)	130 (117)	
	1,1-Dichloroethene	20	17.0	ug/L	85			70 (74)	130 (110)	
	1,1-Dichloroethane	20	19.5	ug/L	98			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	18.6	ug/L	93			70 (80)	130 (108)	
	Benzene	20	18.5	ug/L	93			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.9	ug/L	95			70 (80)	130 (115)	
	Trichloroethene	20	17.5	ug/L	88			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	19.3	ug/L	97			70 (83)	130 (112)	
	Tetrachloroethene	20	17.0	ug/L	85			70 (67)	130 (123)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3788 Analytical Method: SW8260-Low
Client: JACOBS Engineering Group, Inc. Datafile : VX048799.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1210WBS01	Vinyl chloride	20	16.7	ug/L	84			70 (65)	130 (117)	
	1,1-Dichloroethene	20	16.9	ug/L	85			70 (74)	130 (110)	
	1,1-Dichloroethane	20	19.8	ug/L	99			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	19.7	ug/L	99			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	18.2	ug/L	91			70 (80)	130 (108)	
	Benzene	20	18.6	ug/L	93			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.9	ug/L	95			70 (80)	130 (115)	
	Trichloroethene	20	17.9	ug/L	90			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	19.4	ug/L	97			70 (83)	130 (112)	
	Tetrachloroethene	20	16.3	ug/L	81			70 (67)	130 (123)	

() = LABORATORY INHOUSE LIMIT

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1208WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3788

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
BR-05-465-120525	Q3788-09	VX048761.D	12/08/2025
MW-16B-87.5-120525	Q3788-11	VX048762.D	12/08/2025
TB01-120525	Q3788-13	VX048763.D	12/08/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1209WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3788

Lab File ID: VX048769.D

Lab Sample ID: VX1209WBL01

Date Analyzed: 12/09/2025

Time Analyzed: 09:46

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
VX1209WBS02	VX1209WBS02	VX048773.D	12/09/2025
OWBR-05-135-120525	Q3788-01	VX048774.D	12/09/2025
OWBR-05-135-120525MSD	Q3788-03MSD	VX048776.D	12/09/2025
OWBR-05-135-120525MS	Q3788-02MS	VX048793.D	12/09/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1210WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3788

Lab File ID: VX048797.D

Lab Sample ID: VX1210WBL01

Date Analyzed: 12/10/2025

Time Analyzed: 10:10

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
VX1210WBS01	VX1210WBS01	VX048799.D	12/10/2025
OW-01B-66.5-120525	Q3788-07	VX048814.D	12/10/2025
BR-05-465-120525RE	Q3788-09RE	VX048815.D	12/10/2025
MW-16B-87.5-120525RE	Q3788-11RE	VX048816.D	12/10/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX048713.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05
SDG NO.: Q3788
BFB Injection Date: 12/04/2025
BFB Injection Time: 08:15
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
VSTDIC001	VSTDIC001	VX048714.D	12/04/2025	08:47
VSTDIC005	VSTDIC005	VX048715.D	12/04/2025	09:16
VSTDIC020	VSTDIC020	VX048716.D	12/04/2025	09:36
VSTDIC050	VSTDIC050	VX048717.D	12/04/2025	09:57
VSTDIC100	VSTDIC100	VX048718.D	12/04/2025	10:17
VSTDIC150	VSTDIC150	VX048719.D	12/04/2025	10:38

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX048741.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05
SDG NO.: Q3788
BFB Injection Date: 12/08/2025
BFB Injection Time: 08:17
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
BR-05-465-120525	Q3788-09	VX048761.D	12/08/2025	17:21
MW-16B-87.5-120525	Q3788-11	VX048762.D	12/08/2025	17:41
TB01-120525	Q3788-13	VX048763.D	12/08/2025	18:02

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX048767.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05
SDG NO.: Q3788
BFB Injection Date: 12/09/2025
BFB Injection Time: 08:16
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	48
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	76.9
175	5.0 - 9.0% of mass 174	5.9 (7.6) 1
176	95.0 - 101.0% of mass 174	74.8 (97.2) 1
177	5.0 - 9.0% of mass 176	4.7 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048768.D	12/09/2025	09:25
VX1209WBL01	VX1209WBL01	VX048769.D	12/09/2025	09:46
VX1209WBS02	VX1209WBS02	VX048773.D	12/09/2025	11:24
OWBR-05-135-120525	Q3788-01	VX048774.D	12/09/2025	11:45
OWBR-05-135-120525MSD	Q3788-03MSD	VX048776.D	12/09/2025	12:25
OWBR-05-135-120525MS	Q3788-02MS	VX048793.D	12/09/2025	18:12

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX048795.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05
SDG NO.: Q3788
BFB Injection Date: 12/10/2025
BFB Injection Time: 09:13
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	50.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	77.6
175	5.0 - 9.0% of mass 174	5.8 (7.4) 1
176	95.0 - 101.0% of mass 174	75.3 (97.1) 1
177	5.0 - 9.0% of mass 176	5 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048796.D	12/10/2025	09:40
VX1210WBL01	VX1210WBL01	VX048797.D	12/10/2025	10:10
VX1210WBS01	VX1210WBS01	VX048799.D	12/10/2025	10:58
OW-01B-66.5-120525	Q3788-07	VX048814.D	12/10/2025	16:13
BR-05-465-120525RE	Q3788-09RE	VX048815.D	12/10/2025	16:34
MW-16B-87.5-120525RE	Q3788-11RE	VX048816.D	12/10/2025	16:54

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05
Lab Code: ACE SDG NO.: Q3788
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.						
BR-05-465-120525	158795	5.54	333603	6.75	259658	10.04
MW-16B-87.5-120525	123961	5.54	277457	6.75	227659	10.04
TB01-120525	147710	5.54	303651	6.75	326109	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05
 Lab Code: ACE SDG NO.: Q3788
 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.						
BR-05-465-120525	129696	12.01				
MW-16B-87.5-120525	124497	12.01				
TB01-120525	173863	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05
Lab Code: ACE SDG NO.: Q3788
Lab File ID: VX048768.D Date Analyzed: 12/09/2025
Instrument ID: MSVOA_X Time Analyzed: 09:25
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	159019	5.53	262535	6.74	233121	10.04
UPPER LIMIT	318038	6.032	525070	7.239	466242	10.537
LOWER LIMIT	79509.5	5.032	131268	6.239	116561	9.537
EPA SAMPLE NO.						
OWBR-05-135-120525	135193	5.54	279762	6.75	295744	10.04
OWBR-05-135-120525MS	135862	5.54	235253	6.75	212826	10.04
OWBR-05-135-120525MSD	135940	5.54	240144	6.75	217048	10.04
VX1209WBL01	129302	5.54	266304	6.75	288359	10.04
VX1209WBS02	172951	5.53	289026	6.74	260322	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05
 Lab Code: ACE SDG NO.: Q3788
 Lab File ID: VX048768.D Date Analyzed: 12/09/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:25
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	116263	12				
UPPER LIMIT	232526	12.5				
LOWER LIMIT	58131.5	11.5				
EPA SAMPLE NO.						
OWBR-05-135-120525	153431	12.01				
OWBR-05-135-120525MS	106800	12.01				
OWBR-05-135-120525MSD	109904	12.01				
VX1209WBL01	149395	12.01				
VX1209WBS02	127982	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005
Lab Code: ACE SDG NO.: Q3788
Lab File ID: VX048796.D Date Analyzed: 12/10/2025
Instrument ID: MSVOA_X Time Analyzed: 09:40
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	164636	5.53	275167	6.74	243543	10.04
UPPER LIMIT	329272	6.031	550334	7.238	487086	10.537
LOWER LIMIT	82318	5.031	137584	6.238	121772	9.537
EPA SAMPLE NO.						
OW-01B-66.5-120525	134347	5.54	281654	6.75	303661	10.04
BR-05-465-120525RE	141844	5.54	294856	6.75	321925	10.04
MW-16B-87.5-120525RE	145186	5.54	297607	6.75	320506	10.04
VX1210WBL01	143182	5.53	288257	6.74	306883	10.04
VX1210WBS01	153473	5.53	261026	6.74	236663	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05
 Lab Code: ACE SDG NO.: Q3788
 Lab File ID: VX048796.D Date Analyzed: 12/10/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:40
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	117430	12				
UPPER LIMIT	234860	12.5				
LOWER LIMIT	58715	11.5				
EPA SAMPLE NO.						
OW-01B-66.5-120525	163248	12.01				
BR-05-465-120525RE	176216	12.01				
MW-16B-87.5-120525RE	183436	12.01				
VX1210WBL01	162084	12.00				
VX1210WBS01	123629	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.



QC SAMPLE DATA

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.:	Q3788
Lab Sample ID: VX1208WBL01	Matrix:	Water
Analytical Method: 8260D	% Solid:	0
Sample Wt/Vol: 5 mL	Test:	VOCMS Group3
Level: LOW		
Final Vol: 5000 uL		

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VX1209WBL01
 Lab Sample ID: VX1209WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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	12/09/25 09:46	VX120925
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/09/25 09:46	VX120925
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/09/25 09:46	VX120925
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/09/25 09:46	VX120925
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/09/25 09:46	VX120925
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/09/25 09:46	VX120925
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/09/25 09:46	VX120925
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/09/25 09:46	VX120925
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/09/25 09:46	VX120925
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/09/25 09:46	VX120925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.0			70 (74) - 130 (125)	112%	SPK: 50		
1868-53-7	Dibromofluoromethane	45.5			70 (75) - 130 (124)	91%	SPK: 50		
2037-26-5	Toluene-d8	46.6			70 (86) - 130 (113)	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	57.6			70 (77) - 130 (121)	115%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	129000							
540-36-3	1,4-Difluorobenzene	266000							
3114-55-4	Chlorobenzene-d5	288000							
3855-82-1	1,4-Dichlorobenzene-d4	149000							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VX1210WBL01
 Lab Sample ID: VX1210WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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	12/10/25 10:10	VX121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 10:10	VX121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 10:10	VX121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 10:10	VX121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 10:10	VX121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 10:10	VX121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 10:10	VX121025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/10/25 10:10	VX121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 10:10	VX121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 10:10	VX121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	51.4			70 (74) - 130 (125)	103%	SPK: 50		
1868-53-7	Dibromofluoromethane	45.2			70 (75) - 130 (124)	90%	SPK: 50		
2037-26-5	Toluene-d8	46.7			70 (86) - 130 (113)	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	57.2			70 (77) - 130 (121)	114%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	143000							
540-36-3	1,4-Difluorobenzene	288000							
3114-55-4	Chlorobenzene-d5	307000							
3855-82-1	1,4-Dichlorobenzene-d4	162000							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VX1208WBS01
 Lab Sample ID: VX1208WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VX1209WBS02
 Lab Sample ID: VX1209WBS02
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	17.5		1	0.26	1.00	ug/L	12/09/25 11:24	VX120925
75-35-4	1,1-Dichloroethene	17.0		1	0.23	1.00	ug/L	12/09/25 11:24	VX120925
75-34-3	1,1-Dichloroethane	19.5		1	0.23	1.00	ug/L	12/09/25 11:24	VX120925
156-59-2	cis-1,2-Dichloroethene	19.1		1	0.19	1.00	ug/L	12/09/25 11:24	VX120925
71-55-6	1,1,1-Trichloroethane	18.6		1	0.20	1.00	ug/L	12/09/25 11:24	VX120925
71-43-2	Benzene	18.5		1	0.15	1.00	ug/L	12/09/25 11:24	VX120925
107-06-2	1,2-Dichloroethane	18.9		1	0.22	1.00	ug/L	12/09/25 11:24	VX120925
79-01-6	Trichloroethene	17.5		1	0.090	1.00	ug/L	12/09/25 11:24	VX120925
79-00-5	1,1,2-Trichloroethane	19.3		1	0.21	1.00	ug/L	12/09/25 11:24	VX120925
127-18-4	Tetrachloroethene	17.0		1	0.23	1.00	ug/L	12/09/25 11:24	VX120925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.5			70 (74) - 130 (125)	93%	SPK: 50		
1868-53-7	Dibromofluoromethane	44.7			70 (75) - 130 (124)	89%	SPK: 50		
2037-26-5	Toluene-d8	45.0			70 (86) - 130 (113)	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	46.4			70 (77) - 130 (121)	93%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	173000							
540-36-3	1,4-Difluorobenzene	289000							
3114-55-4	Chlorobenzene-d5	260000							
3855-82-1	1,4-Dichlorobenzene-d4	128000							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VX1210WBS01
 Lab Sample ID: VX1210WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	16.7		1	0.26	1.00	ug/L	12/10/25 10:58	VX121025
75-35-4	1,1-Dichloroethene	16.9		1	0.23	1.00	ug/L	12/10/25 10:58	VX121025
75-34-3	1,1-Dichloroethane	19.8		1	0.23	1.00	ug/L	12/10/25 10:58	VX121025
156-59-2	cis-1,2-Dichloroethene	19.7		1	0.19	1.00	ug/L	12/10/25 10:58	VX121025
71-55-6	1,1,1-Trichloroethane	18.2		1	0.20	1.00	ug/L	12/10/25 10:58	VX121025
71-43-2	Benzene	18.6		1	0.15	1.00	ug/L	12/10/25 10:58	VX121025
107-06-2	1,2-Dichloroethane	18.9		1	0.22	1.00	ug/L	12/10/25 10:58	VX121025
79-01-6	Trichloroethene	17.9		1	0.090	1.00	ug/L	12/10/25 10:58	VX121025
79-00-5	1,1,2-Trichloroethane	19.4		1	0.21	1.00	ug/L	12/10/25 10:58	VX121025
127-18-4	Tetrachloroethene	16.3		1	0.23	1.00	ug/L	12/10/25 10:58	VX121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.9			70 (74) - 130 (125)	110%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.9			70 (75) - 130 (124)	102%	SPK: 50		
2037-26-5	Toluene-d8	49.2			70 (86) - 130 (113)	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.7			70 (77) - 130 (121)	107%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	153000							
540-36-3	1,4-Difluorobenzene	261000							
3114-55-4	Chlorobenzene-d5	237000							
3855-82-1	1,4-Dichlorobenzene-d4	124000							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: OWBR-05-135-120525MS
 Lab Sample ID: Q3788-02MS
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	46.3		1	0.26	1.00	ug/L	12/09/25 18:12	VX120925
75-35-4	1,1-Dichloroethene	160	E	1	0.23	1.00	ug/L	12/09/25 18:12	VX120925
75-34-3	1,1-Dichloroethane	62.5		1	0.23	1.00	ug/L	12/09/25 18:12	VX120925
156-59-2	cis-1,2-Dichloroethene	140		1	0.19	1.00	ug/L	12/09/25 18:12	VX120925
71-55-6	1,1,1-Trichloroethane	47.5		1	0.20	1.00	ug/L	12/09/25 18:12	VX120925
71-43-2	Benzene	49.1		1	0.15	1.00	ug/L	12/09/25 18:12	VX120925
107-06-2	1,2-Dichloroethane	54.6		1	0.22	1.00	ug/L	12/09/25 18:12	VX120925
79-01-6	Trichloroethene	72.6		1	0.090	1.00	ug/L	12/09/25 18:12	VX120925
79-00-5	1,1,2-Trichloroethane	50.9		1	0.21	1.00	ug/L	12/09/25 18:12	VX120925
127-18-4	Tetrachloroethene	41.3		1	0.23	1.00	ug/L	12/09/25 18:12	VX120925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	47.4			70 (74) - 130 (125)	95%	SPK: 50		
1868-53-7	Dibromofluoromethane	43.6			70 (75) - 130 (124)	87%	SPK: 50		
2037-26-5	Toluene-d8	43.6			70 (86) - 130 (113)	87%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.1			70 (77) - 130 (121)	94%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	136000							
540-36-3	1,4-Difluorobenzene	235000							
3114-55-4	Chlorobenzene-d5	213000							
3855-82-1	1,4-Dichlorobenzene-d4	107000							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.	Date Collected: 12/05/25	
Project: Former Schlumberger STC PTC Site D3868221	Date Received: 12/05/25	
Client Sample ID: OWBR-05-135-120525MSE	SDG No.: Q3788	
Lab Sample ID: Q3788-03MSD	Matrix: Water	
Analytical Method: 8260D	% Solid: 0	
Sample Wt/Vol: 5 mL	Test: VOCMS Group3	
Level: LOW		
Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	50.5		1	0.26	1.00	ug/L	12/09/25 12:25	VX120925
75-35-4	1,1-Dichloroethene	150		1	0.23	1.00	ug/L	12/09/25 12:25	VX120925
75-34-3	1,1-Dichloroethane	68.4		1	0.23	1.00	ug/L	12/09/25 12:25	VX120925
156-59-2	cis-1,2-Dichloroethene	140		1	0.19	1.00	ug/L	12/09/25 12:25	VX120925
71-55-6	1,1,1-Trichloroethane	53.0		1	0.20	1.00	ug/L	12/09/25 12:25	VX120925
71-43-2	Benzene	54.1		1	0.15	1.00	ug/L	12/09/25 12:25	VX120925
107-06-2	1,2-Dichloroethane	60.8		1	0.22	1.00	ug/L	12/09/25 12:25	VX120925
79-01-6	Trichloroethene	70.5		1	0.090	1.00	ug/L	12/09/25 12:25	VX120925
79-00-5	1,1,2-Trichloroethane	57.4		1	0.21	1.00	ug/L	12/09/25 12:25	VX120925
127-18-4	Tetrachloroethene	44.3		1	0.23	1.00	ug/L	12/09/25 12:25	VX120925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.6			70 (74) - 130 (125)	113%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.7			70 (75) - 130 (124)	101%	SPK: 50		
2037-26-5	Toluene-d8	49.3			70 (86) - 130 (113)	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.0			70 (77) - 130 (121)	106%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	136000							
540-36-3	1,4-Difluorobenzene	240000							
3114-55-4	Chlorobenzene-d5	217000							
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



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JAC005
Lab Code: ACE SDG No.: Q3788
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	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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3788</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>12/08/2025</u> <u>09:20</u>
Lab File ID:	<u>VX048742.D</u>	Init. Calib. Date(s):	<u>12/04/2025</u> <u>12/04/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>08:47</u> <u>10:38</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3788</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>12/09/2025</u> <u>09:25</u>
Lab File ID:	<u>VX048768.D</u>	Init. Calib. Date(s):	<u>12/04/2025</u> <u>12/04/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>08:47</u> <u>10:38</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.685	0.718		4.82	20
1,1-Dichloroethene	0.581	0.595		2.41	20
1,1-Dichloroethane	1.016	1.161	0.1	14.27	20
cis-1,2-Dichloroethene	0.669	0.735		9.86	20
1,1,1-Trichloroethane	0.975	1.040		6.67	20
Benzene	1.398	1.504		7.58	20
1,2-Dichloroethane	0.495	0.553		11.72	20
Trichloroethene	0.365	0.371		1.64	20
1,1,2-Trichloroethane	0.339	0.372		9.73	20
Tetrachloroethene	0.364	0.350		-3.85	20
1,2-Dichloroethane-d4	0.671	0.650		-3.13	20
Dibromofluoromethane	0.344	0.312		-9.3	20
Toluene-d8	1.207	1.097		-9.11	20
4-Bromofluorobenzene	0.416	0.390		-6.25	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3788</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>12/10/2025</u> <u>09:40</u>
Lab File ID:	<u>VX048796.D</u>	Init. Calib. Date(s):	<u>12/04/2025</u> <u>12/04/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>08:47</u> <u>10:38</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.685	0.681		-0.58	20
1,1-Dichloroethene	0.581	0.572		-1.55	20
1,1-Dichloroethane	1.016	1.144	0.1	12.6	20
cis-1,2-Dichloroethene	0.669	0.730		9.12	20
1,1,1-Trichloroethane	0.975	0.987		1.23	20
Benzene	1.398	1.437		2.79	20
1,2-Dichloroethane	0.495	0.519		4.85	20
Trichloroethene	0.365	0.361		-1.1	20
1,1,2-Trichloroethane	0.339	0.360		6.2	20
Tetrachloroethene	0.364	0.330		-9.34	20
1,2-Dichloroethane-d4	0.671	0.723		7.75	20
Dibromofluoromethane	0.344	0.350		1.74	20
Toluene-d8	1.207	1.174		-2.73	20
4-Bromofluorobenzene	0.416	0.429		3.13	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

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048774.D
 Acq On : 09 Dec 2025 11:45
 Operator : JC/MD
 Sample : Q3788-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-05-135-120525

Quant Time: Dec 10 00:16:56 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	135193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	279762	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	295744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	153431	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.940	65	94731	52.207	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.420%	
35) Dibromofluoromethane	5.373	113	84981	44.117	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 88.240%	
50) Toluene-d8	8.635	98	304625	45.115	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 90.240%#	
62) 4-Bromofluorobenzene	11.061	95	131405	56.437	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.880%	

Target Compounds

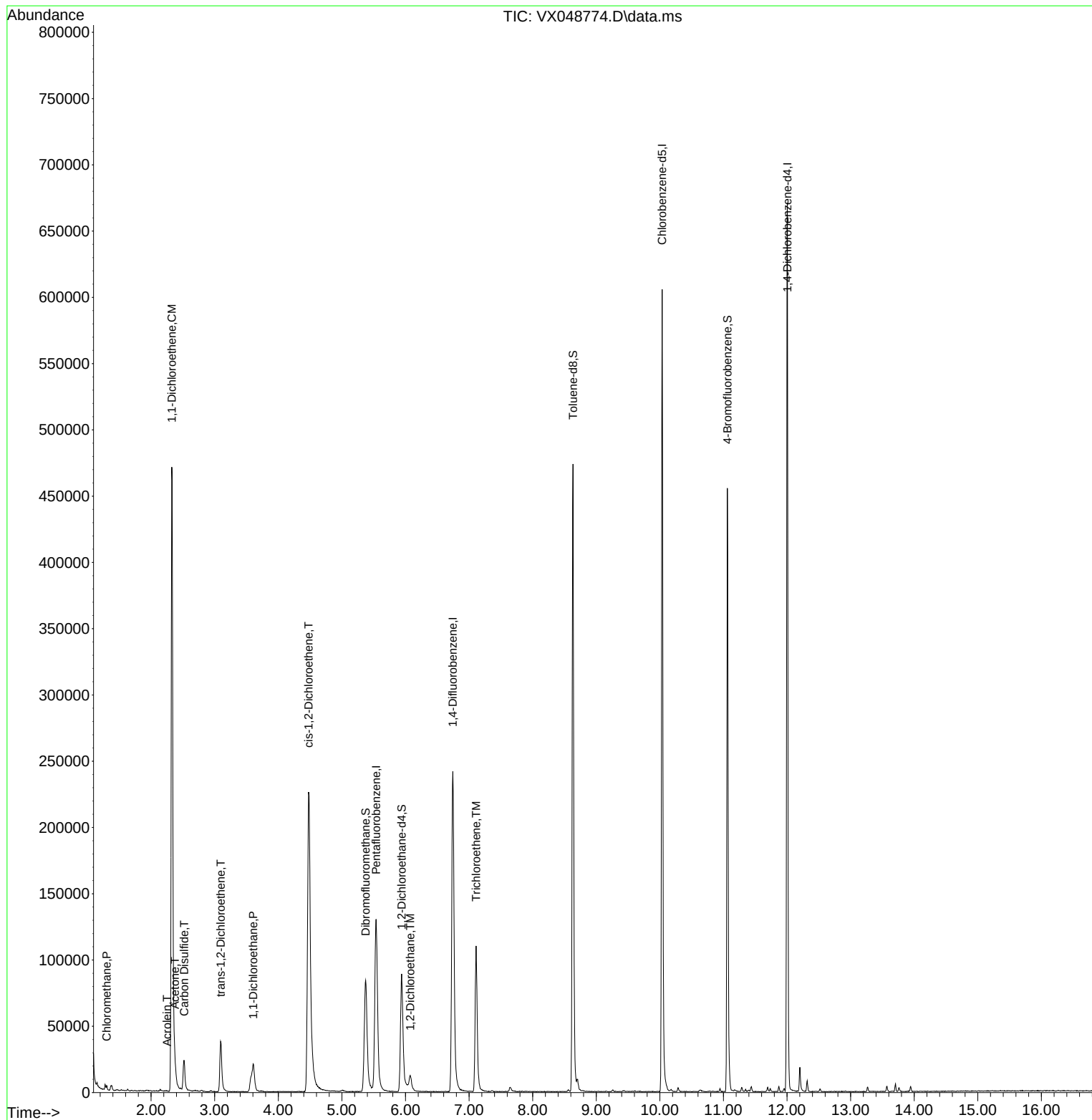
						Qvalue
3) Chloromethane	1.301	50	2432	1.399	ug/l	99
12) 1,1-Dichloroethene	2.325	96	187750	119.596	ug/l	99
13) Acrolein	2.252	56	302	41.073	ug/l	98
16) Acetone	2.374	43	8653	12.457	ug/l	98
17) Carbon Disulfide	2.520	76	19382	4.251	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	18284	11.411	ug/l	98
24) 1,1-Dichloroethane	3.605	63	25666	9.344	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	167466	92.623	ug/l	94
42) 1,2-Dichloroethane	6.074	62	14210	5.133	ug/l	99
44) Trichloroethene	7.111	130	45972	22.527	ug/l	98

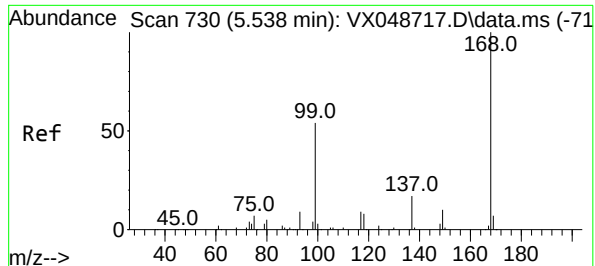
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
Data File : VX048774.D
Acq On : 09 Dec 2025 11:45
Operator : JC/MD
Sample : Q3788-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-120525

Quant Time: Dec 10 00:16:56 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

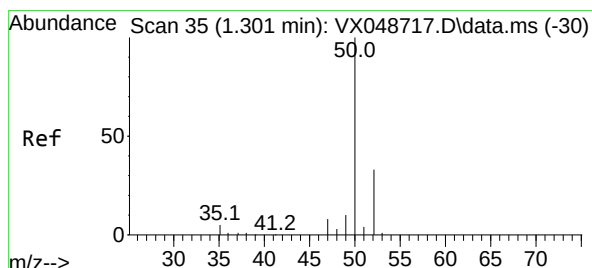
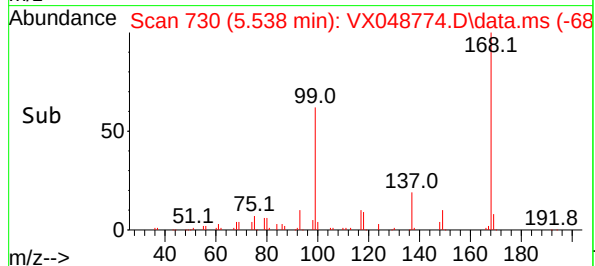
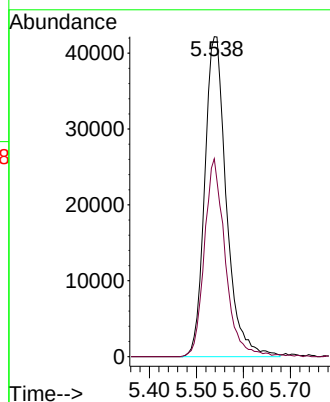
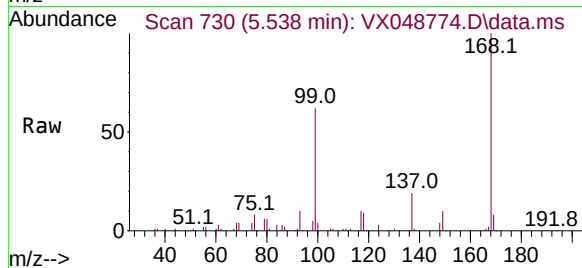




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.000 min
Lab File: VX048774.D
Acq: 09 Dec 2025 11:45

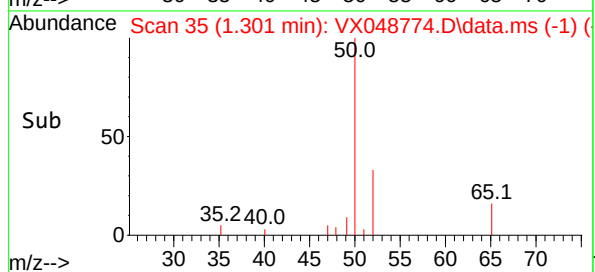
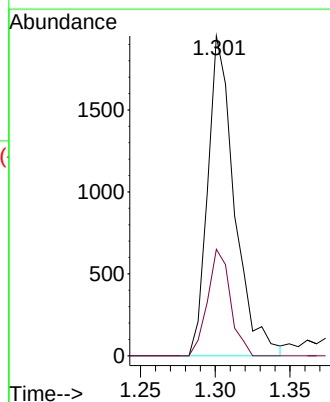
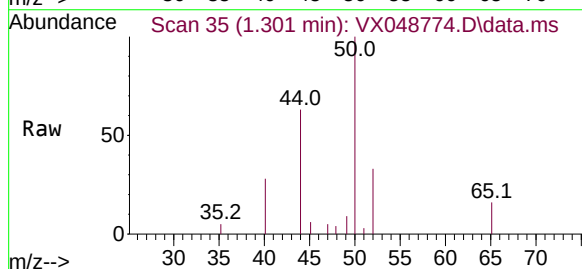
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-120525

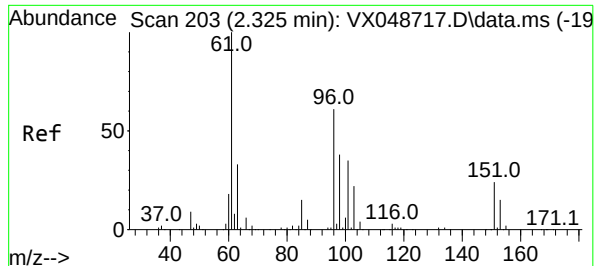
Tgt Ion:168 Resp: 135193
Ion Ratio Lower Upper
168 100
99 61.8 44.2 66.4



#3
Chloromethane
Concen: 1.399 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX048774.D
Acq: 09 Dec 2025 11:45

Tgt Ion: 50 Resp: 2432
Ion Ratio Lower Upper
50 100
52 33.3 26.4 39.6





#12

1,1-Dichloroethene

Concen: 119.596 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX048774.D

Acq: 09 Dec 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

OWBR-05-135-120525

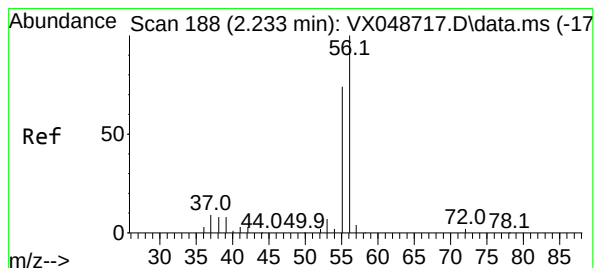
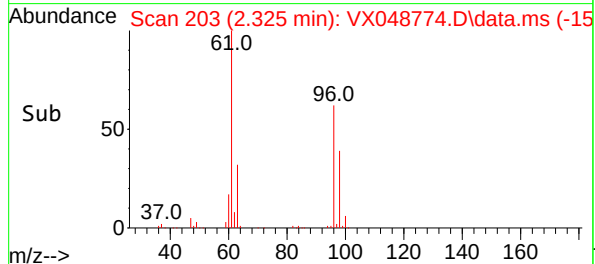
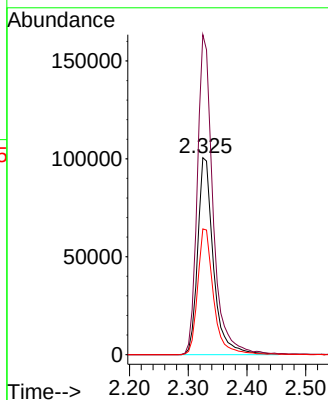
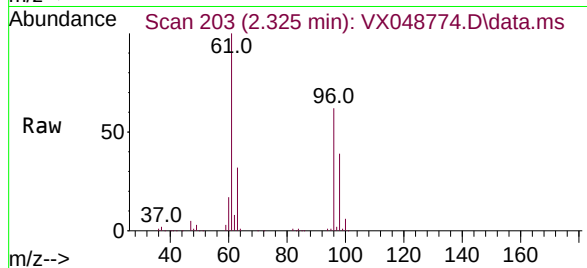
Tgt Ion: 96 Resp: 187750

Ion Ratio Lower Upper

96 100

61 162.5 130.7 196.1

98 63.8 49.8 74.8



#13

Acrolein

Concen: 41.073 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.018 min

Lab File: VX048774.D

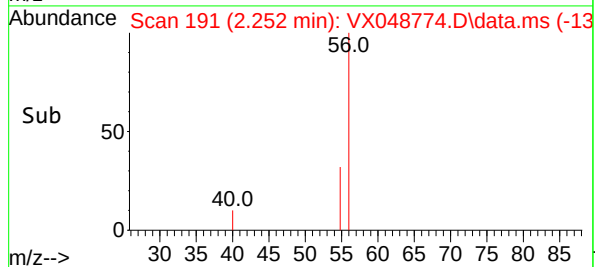
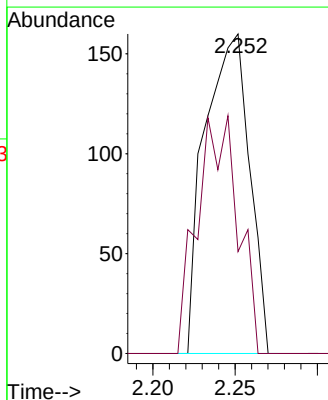
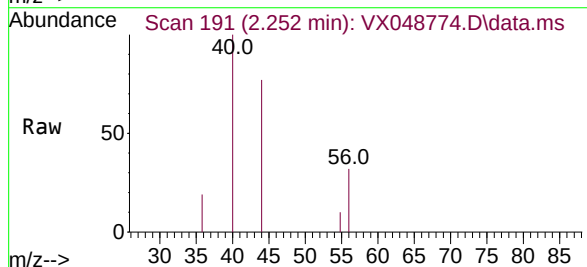
Acq: 09 Dec 2025 11:45

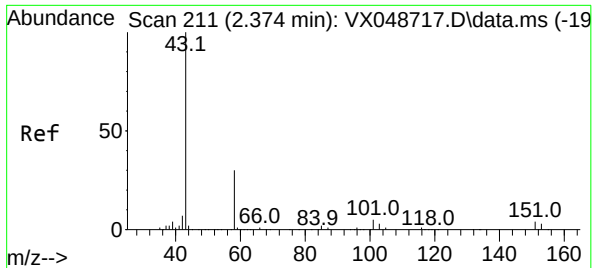
Tgt Ion: 56 Resp: 302

Ion Ratio Lower Upper

56 100

55 67.9 55.8 83.6





#16

Acetone

Concen: 12.457 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX048774.D

Acq: 09 Dec 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

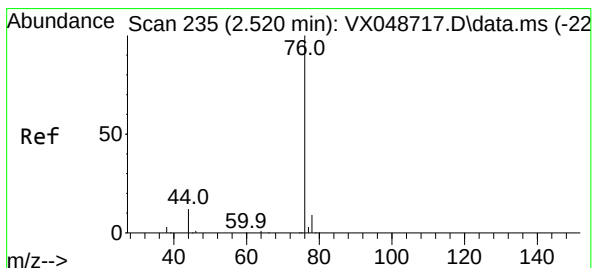
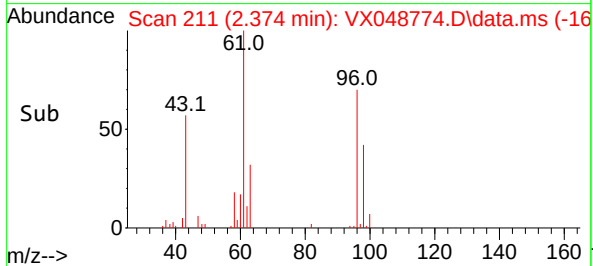
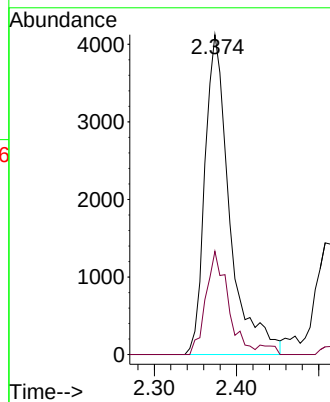
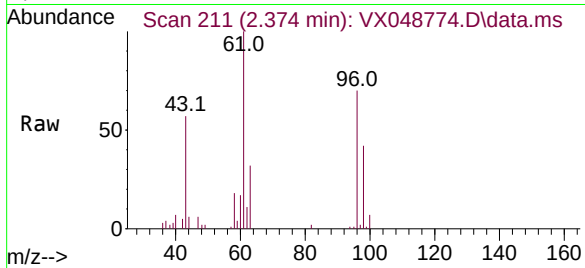
OWBR-05-135-120525

Tgt Ion: 43 Resp: 8653

Ion Ratio Lower Upper

43 100

58 32.3 25.0 37.4



#17

Carbon Disulfide

Concen: 4.251 ug/l

RT: 2.520 min Scan# 235

Delta R.T. 0.000 min

Lab File: VX048774.D

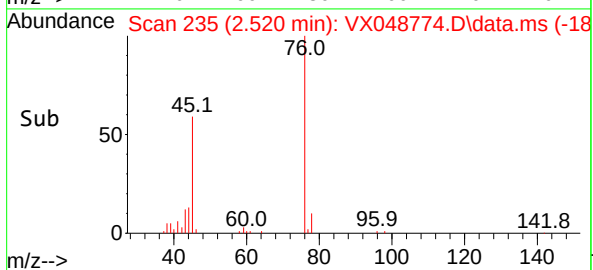
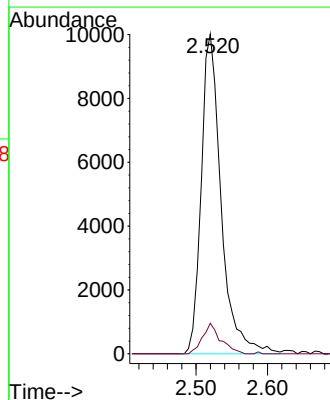
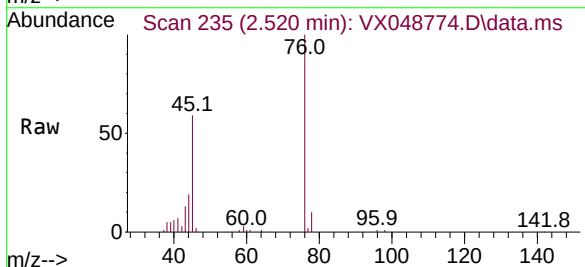
Acq: 09 Dec 2025 11:45

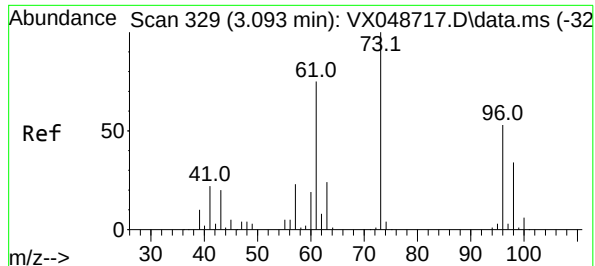
Tgt Ion: 76 Resp: 19382

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2





#21

trans-1,2-Dichloroethene

Concen: 11.411 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX048774.D

Acq: 09 Dec 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

OWBR-05-135-120525

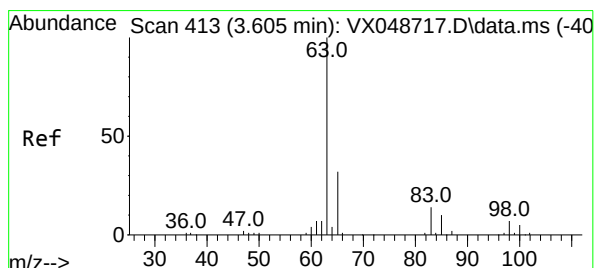
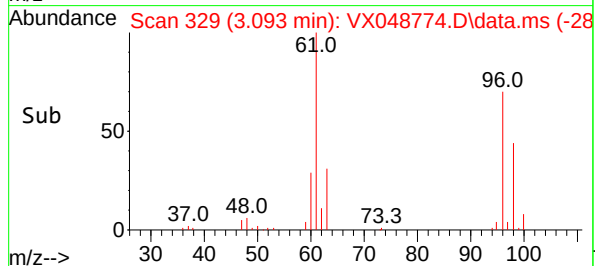
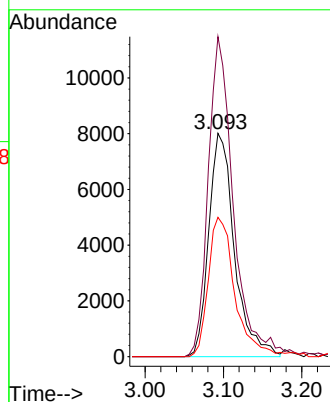
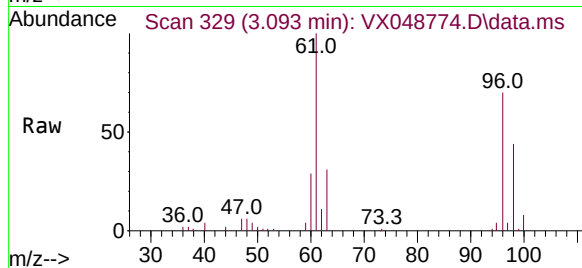
Tgt Ion: 96 Resp: 18284

Ion Ratio Lower Upper

96 100

61 143.3 112.8 169.2

98 62.4 51.0 76.4



#24

1,1-Dichloroethane

Concen: 9.344 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX048774.D

Acq: 09 Dec 2025 11:45

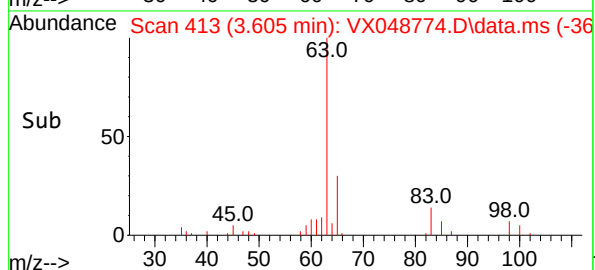
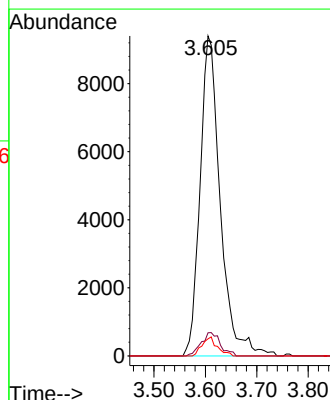
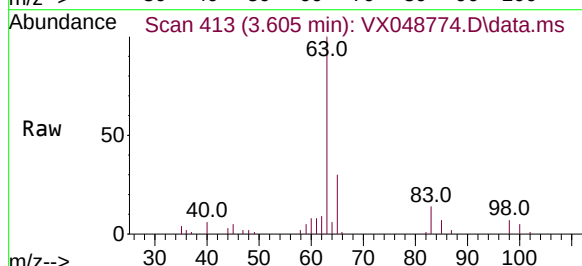
Tgt Ion: 63 Resp: 25666

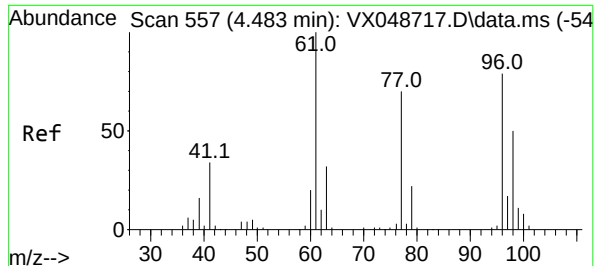
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.6

100 5.3 2.5 7.4





#27

cis-1,2-Dichloroethene

Concen: 92.623 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX048774.D

Acq: 09 Dec 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

OWBR-05-135-120525

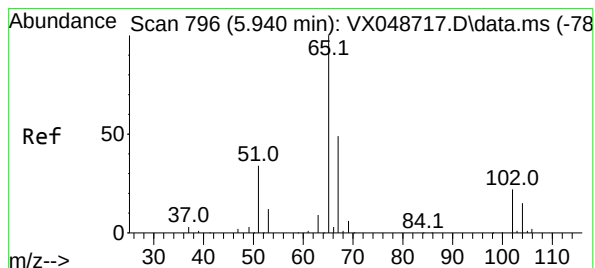
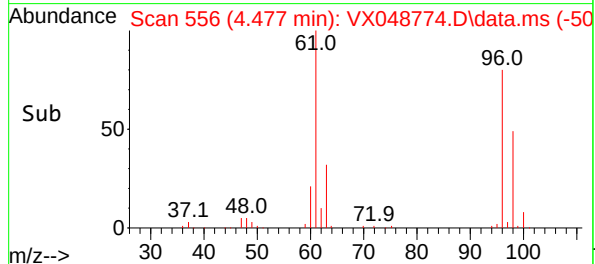
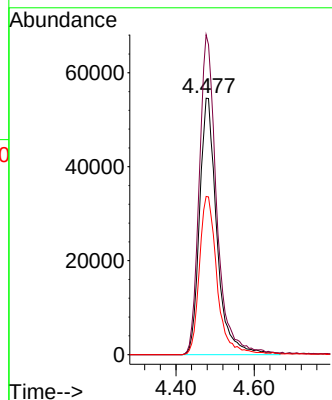
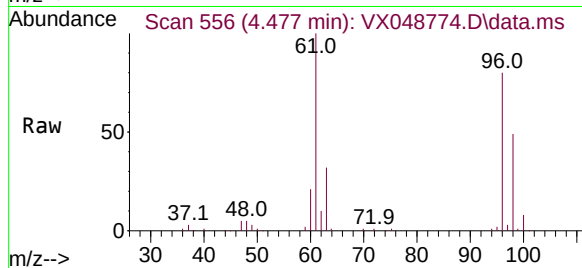
Tgt Ion: 96 Resp: 167466

Ion Ratio Lower Upper

96 100

61 125.7 0.0 271.0

98 63.1 0.0 130.2



#33

1,2-Dichloroethane-d4

Concen: 52.207 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048774.D

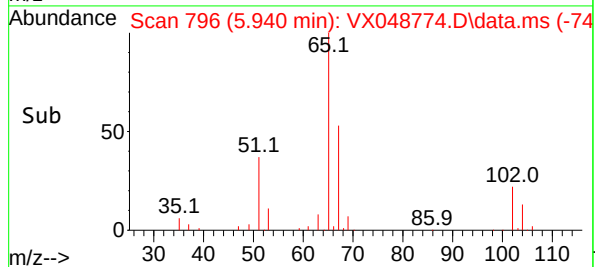
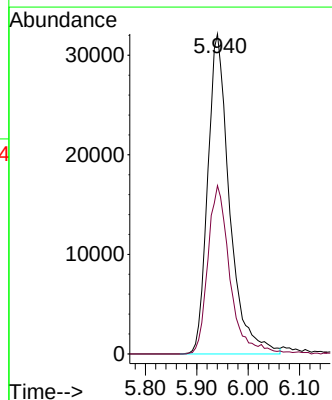
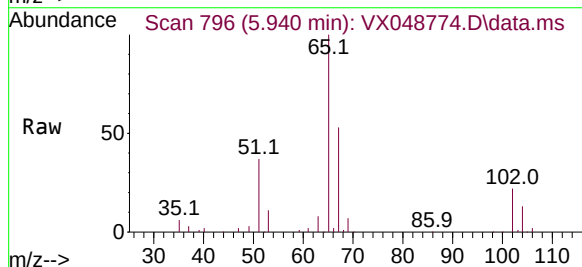
Acq: 09 Dec 2025 11:45

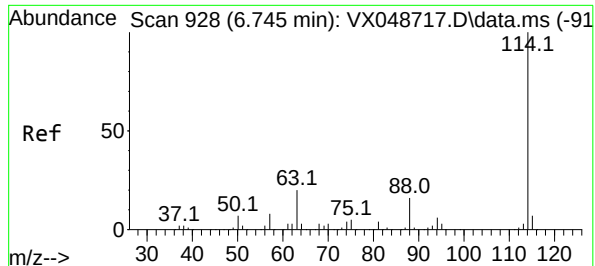
Tgt Ion: 65 Resp: 94731

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX048774.D

Acq: 09 Dec 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

OWBR-05-135-120525

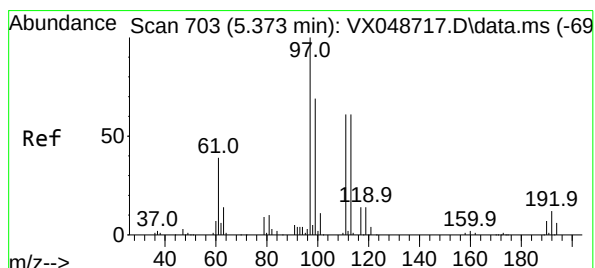
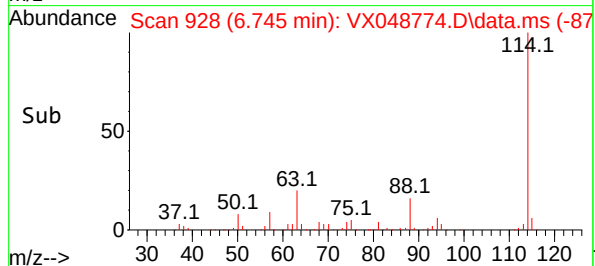
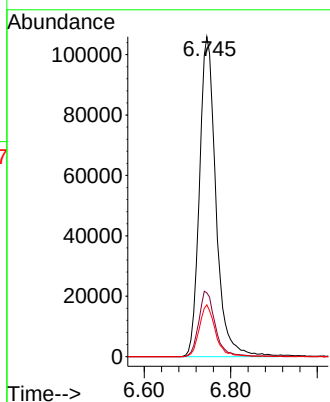
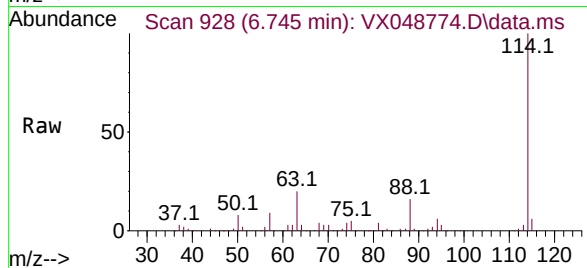
Tgt Ion:114 Resp: 279762

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

88 16.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.117 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048774.D

Acq: 09 Dec 2025 11:45

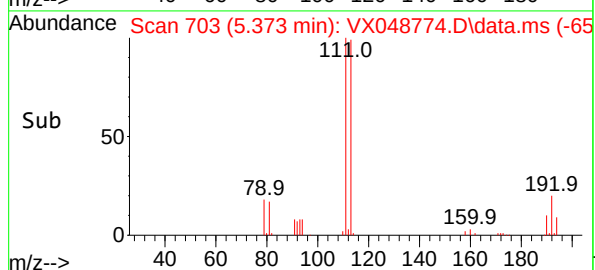
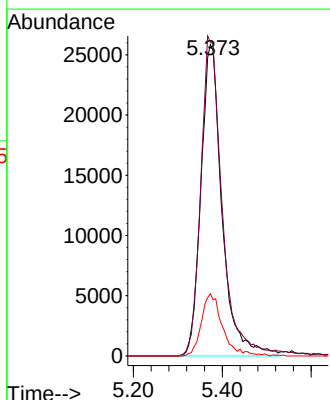
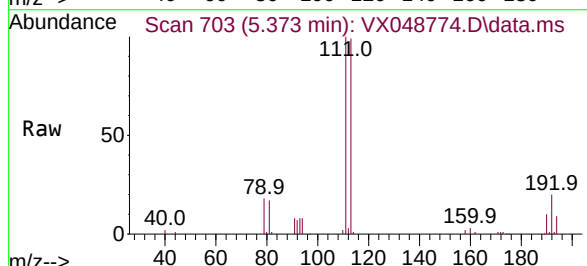
Tgt Ion:113 Resp: 84981

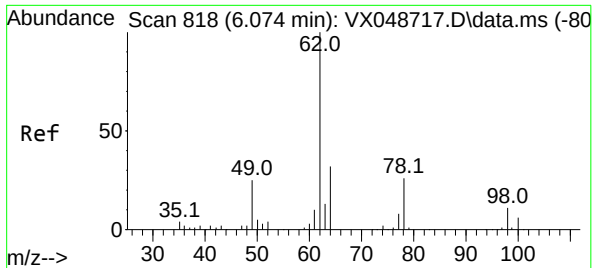
Ion Ratio Lower Upper

113 100

111 103.2 79.5 119.3

192 20.0 16.1 24.1





#42

1,2-Dichloroethane

Concen: 5.133 ug/l

RT: 6.074 min Scan# 818

Delta R.T. 0.000 min

Lab File: VX048774.D

Acq: 09 Dec 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

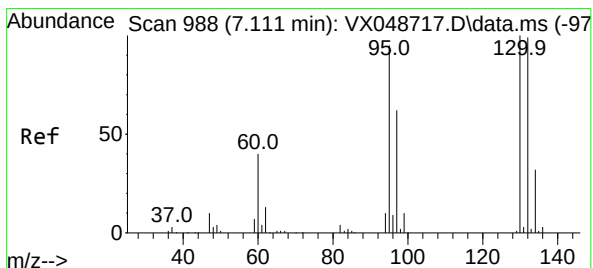
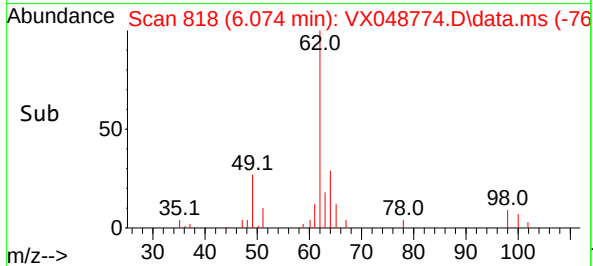
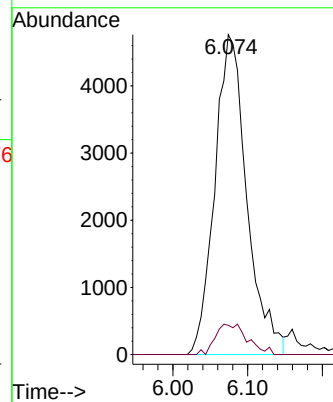
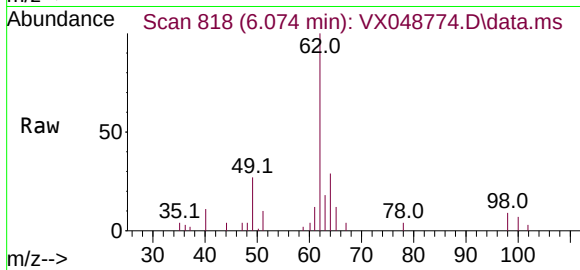
OWBR-05-135-120525

Tgt Ion: 62 Resp: 14210

Ion Ratio Lower Upper

62 100

98 9.5 0.0 20.2



#44

Trichloroethene

Concen: 22.527 ug/l

RT: 7.111 min Scan# 988

Delta R.T. 0.000 min

Lab File: VX048774.D

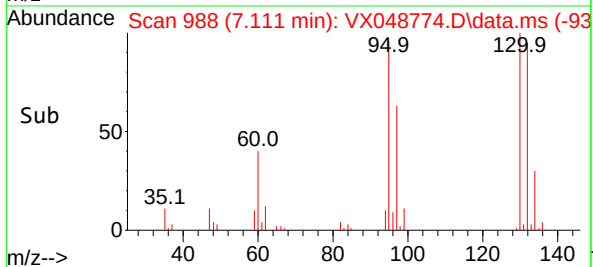
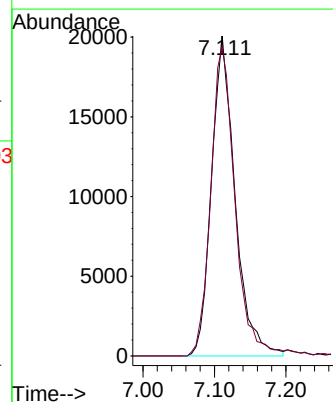
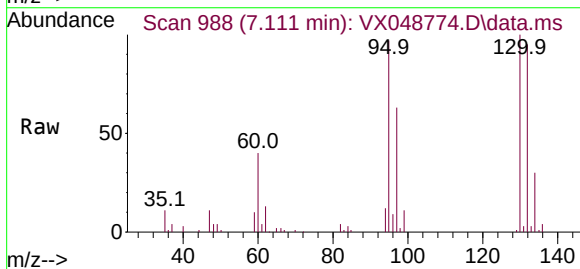
Acq: 09 Dec 2025 11:45

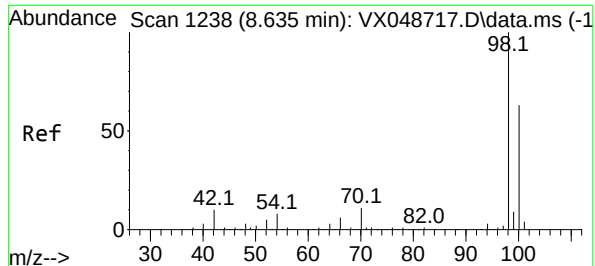
Tgt Ion:130 Resp: 45972

Ion Ratio Lower Upper

130 100

95 96.5 0.0 189.6





#50

Toluene-d8

Concen: 45.115 ug/l

RT: 8.635 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048774.D

Acq: 09 Dec 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

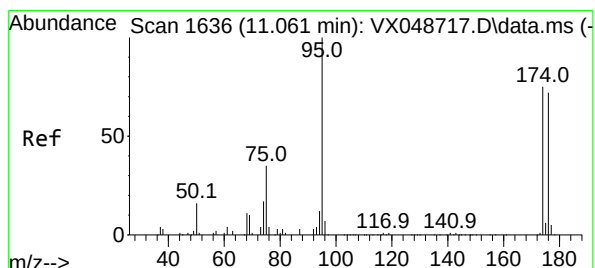
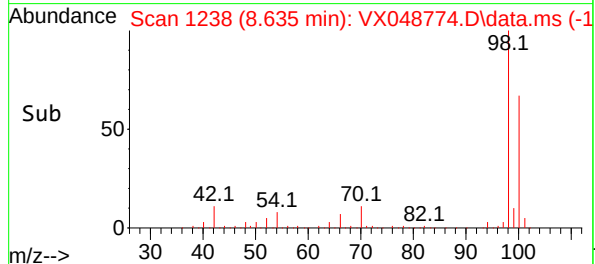
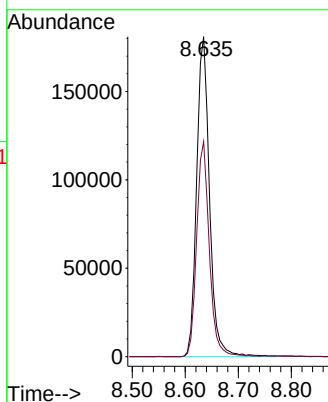
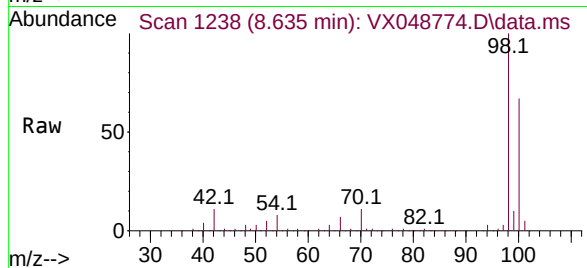
OWBR-05-135-120525

Tgt Ion: 98 Resp: 304625

Ion Ratio Lower Upper

98 100

100 66.1 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 56.437 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048774.D

Acq: 09 Dec 2025 11:45

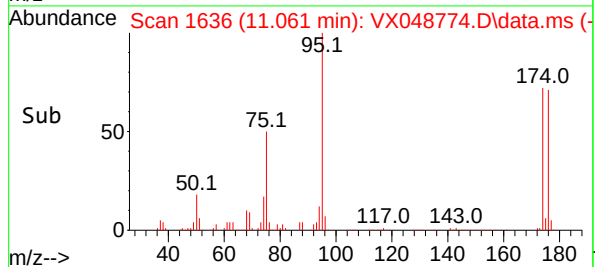
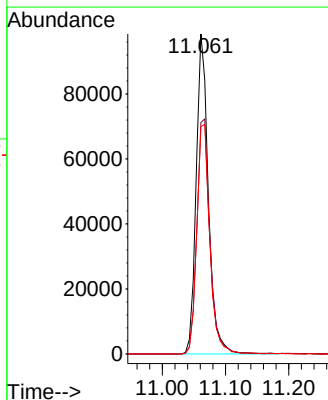
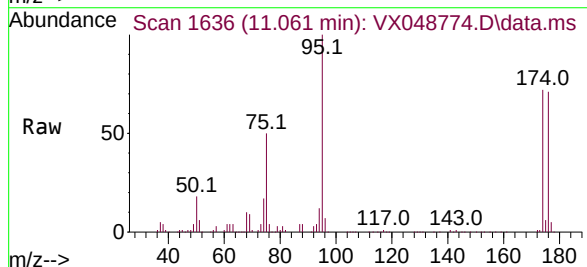
Tgt Ion: 95 Resp: 131405

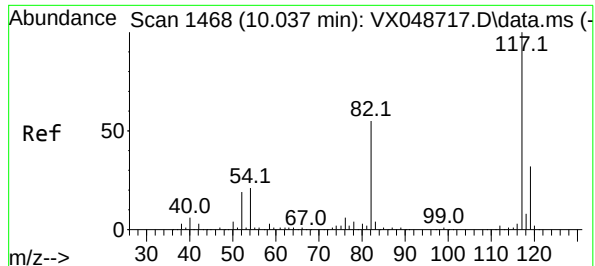
Ion Ratio Lower Upper

95 100

174 78.1 0.0 157.8

176 76.7 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: VX048774.D

Acq: 09 Dec 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

OWBR-05-135-120525

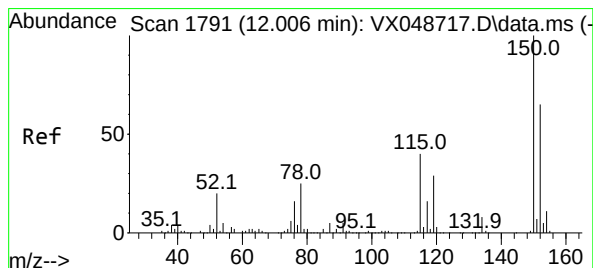
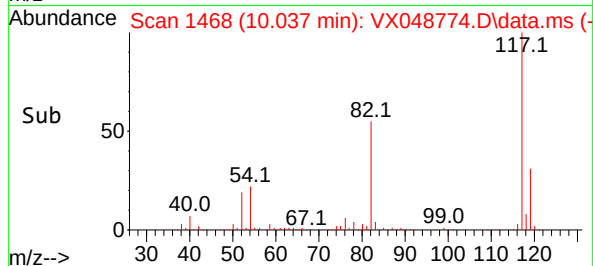
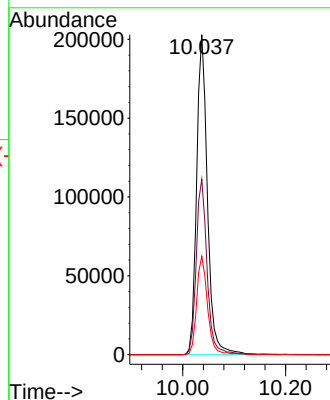
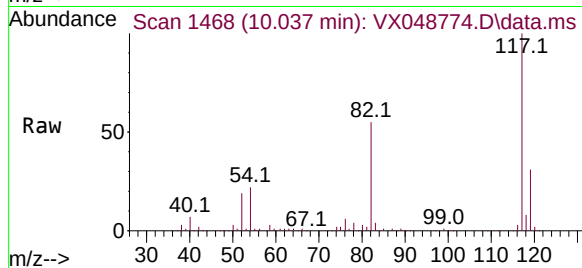
Tgt Ion:117 Resp: 295744

Ion Ratio Lower Upper

117 100

82 54.8 44.1 66.1

119 30.8 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: VX048774.D

Acq: 09 Dec 2025 11:45

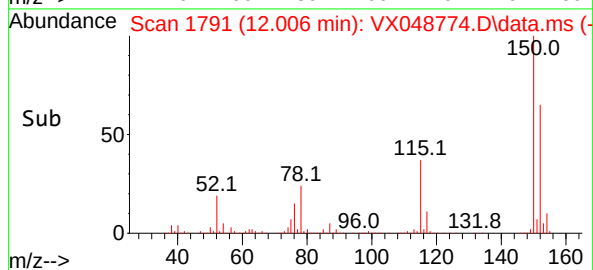
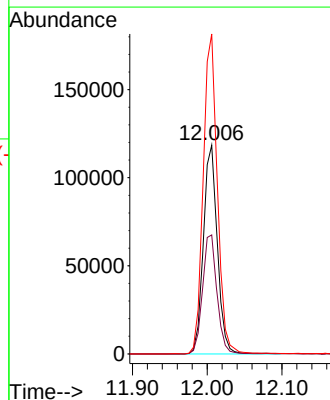
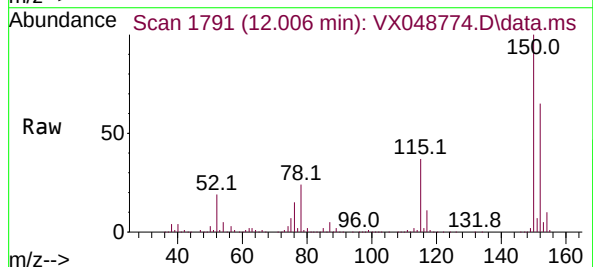
Tgt Ion:152 Resp: 153431

Ion Ratio Lower Upper

152 100

115 58.8 42.1 126.4

150 155.7 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048814.D
 Acq On : 10 Dec 2025 16:13
 Operator : JC/MD
 Sample : Q3788-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-01B-66.5-120525

Quant Time: Dec 11 00:25:53 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)

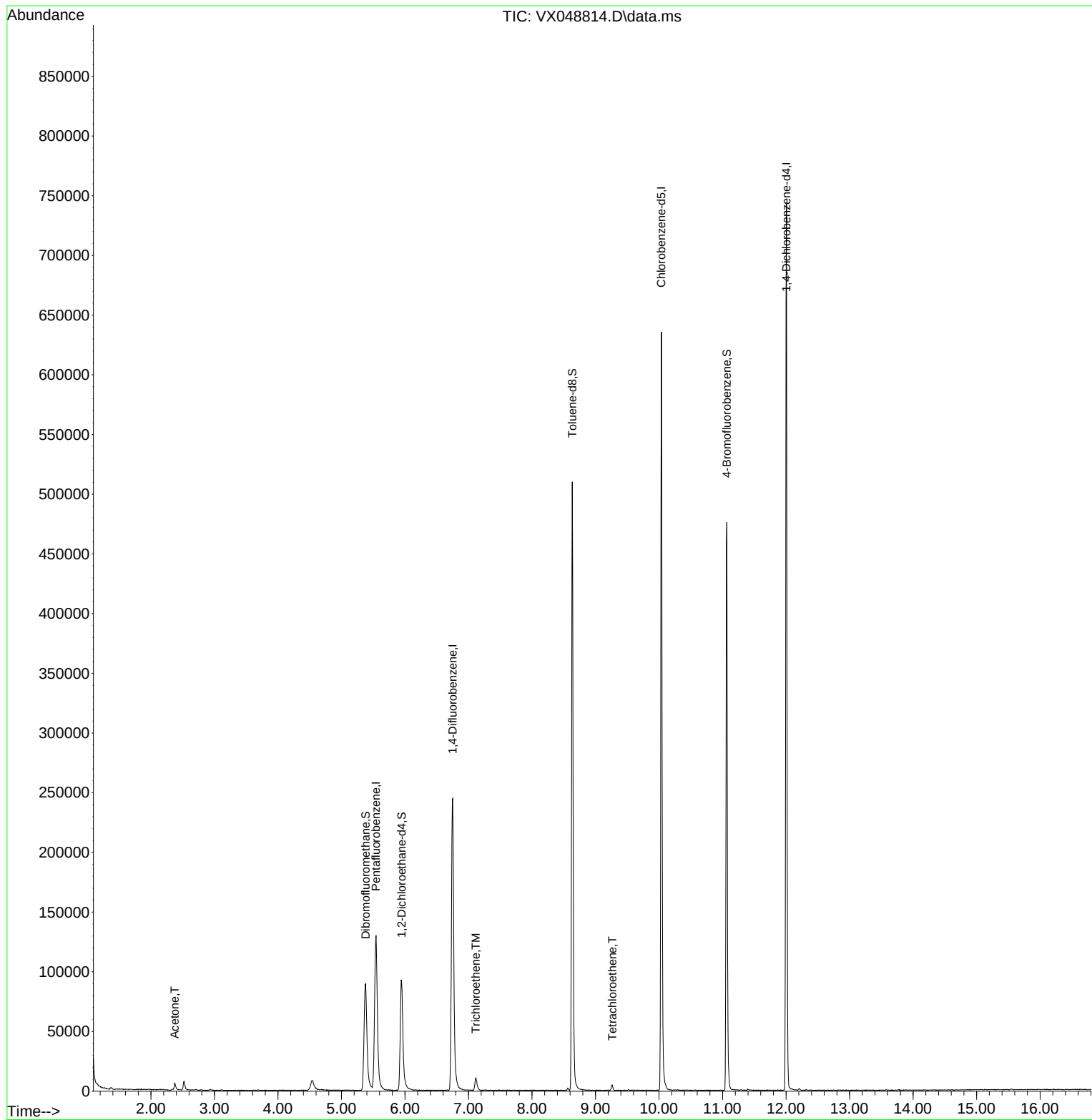
Internal Standards						
1) Pentafluorobenzene	5.543	168	134347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	281654	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	303661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	163248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103705	57.512	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.020%
35) Dibromofluoromethane	5.379	113	90521	46.677	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.360%
50) Toluene-d8	8.634	98	321038	47.226	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.460%
62) 4-Bromofluorobenzene	11.067	95	141576	60.396	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	120.800%
Target Compounds						
					Qvalue	
16) Acetone	2.373	43	7351	10.649	ug/l #	87
44) Trichloroethene	7.116	130	4959	2.414	ug/l	94
64) Tetrachloroethene	9.262	164	1000	0.452	ug/l #	82

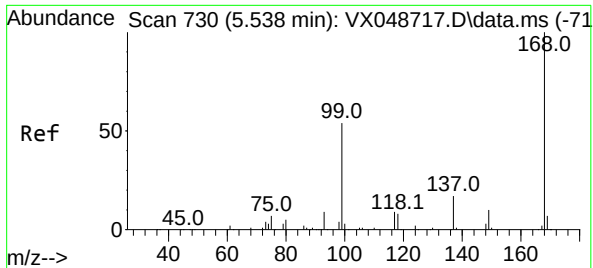
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048814.D
Acq On : 10 Dec 2025 16:13
Operator : JC/MD
Sample : Q3788-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

Quant Time: Dec 11 00:25:53 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: 5.543 min Scan# 71

Delta R.T. 0.005 min

Lab File: VX048814.D

Acq: 10 Dec 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

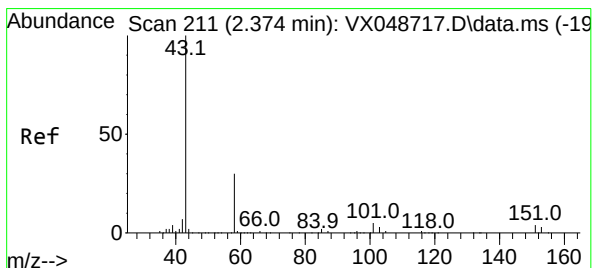
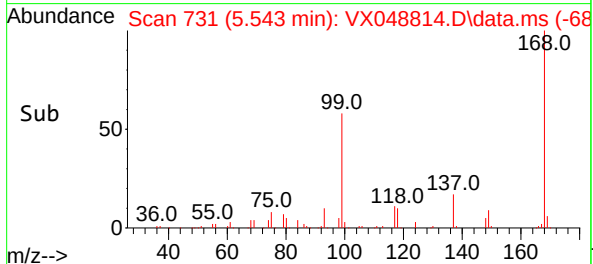
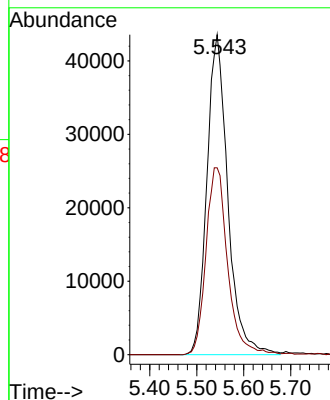
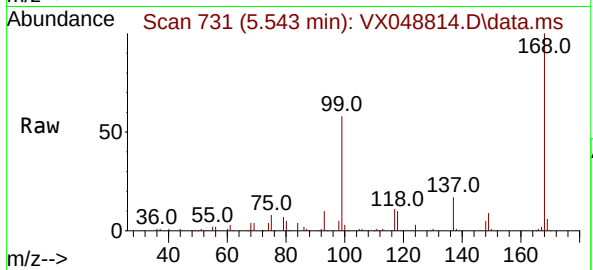
OW-01B-66.5-120525

Tgt Ion:168 Resp: 134347

Ion Ratio Lower Upper

168 100

99 58.4 44.2 66.4



#16

Acetone

Concen: 10.649 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048814.D

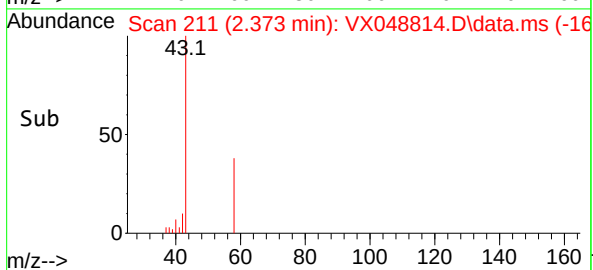
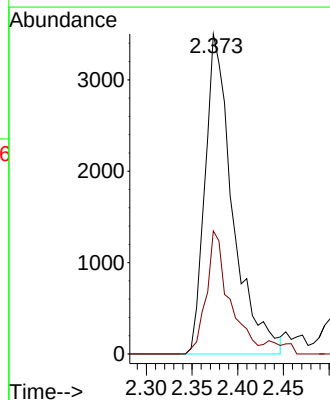
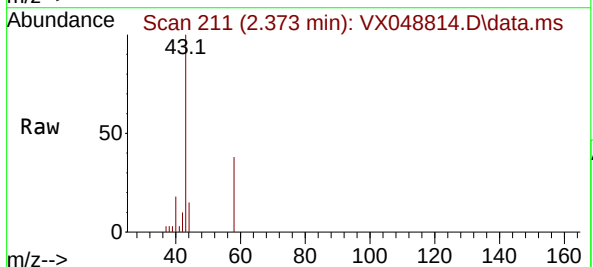
Acq: 10 Dec 2025 16:13

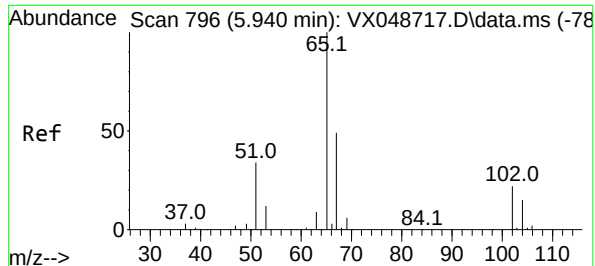
Tgt Ion: 43 Resp: 7351

Ion Ratio Lower Upper

43 100

58 38.4 25.0 37.4#





#33

1,2-Dichloroethane-d4

Concen: 57.512 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048814.D

Acq: 10 Dec 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

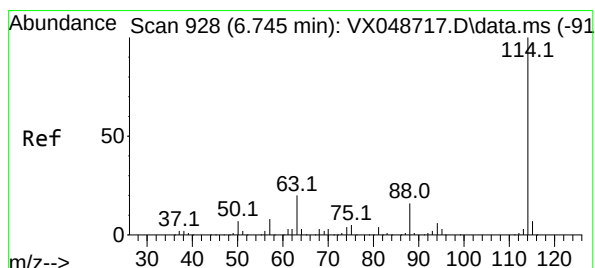
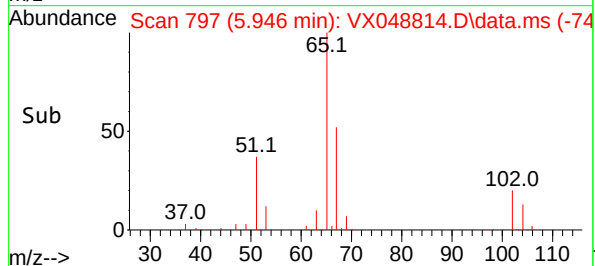
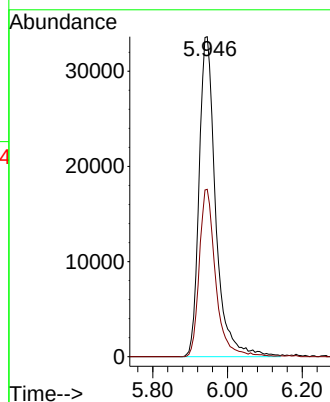
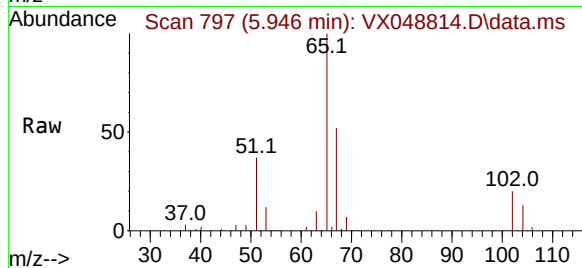
OW-01B-66.5-120525

Tgt Ion: 65 Resp: 103705

Ion Ratio Lower Upper

65 100

67 51.6 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: VX048814.D

Acq: 10 Dec 2025 16:13

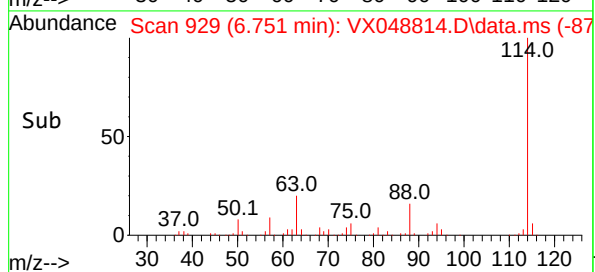
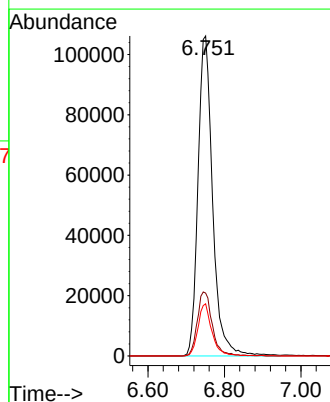
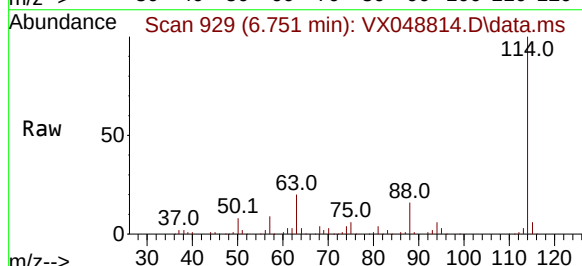
Tgt Ion: 114 Resp: 281654

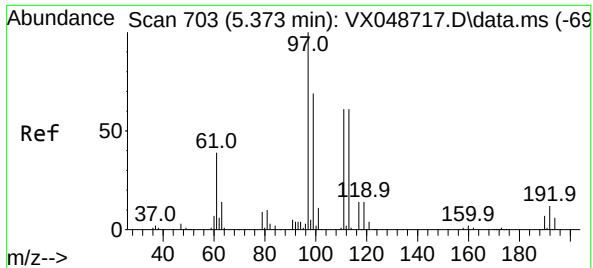
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

88 16.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.677 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048814.D

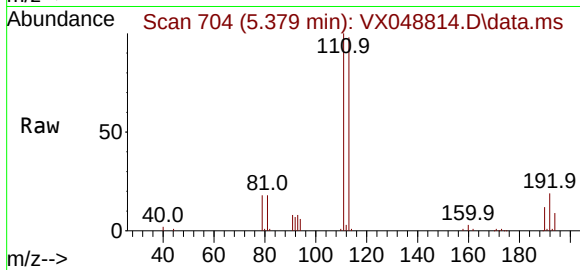
Acq: 10 Dec 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

OW-01B-66.5-120525



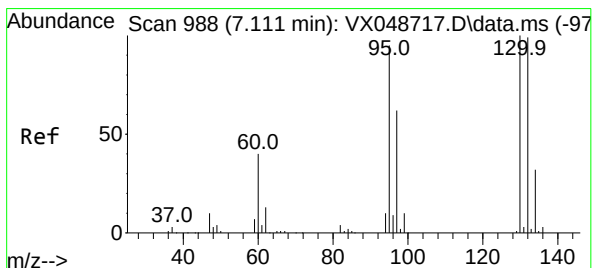
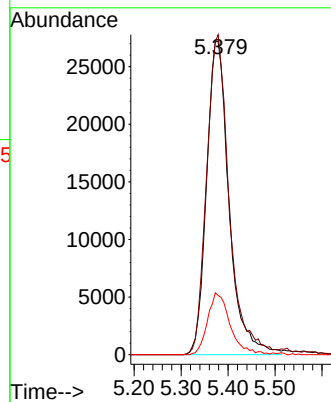
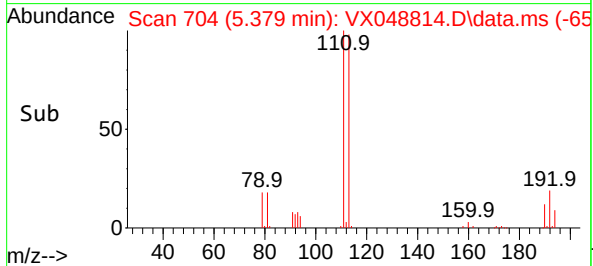
Tgt Ion:113 Resp: 90521

Ion Ratio Lower Upper

113 100

111 102.6 79.5 119.3

192 19.7 16.1 24.1



#44

Trichloroethene

Concen: 2.414 ug/l

RT: 7.116 min Scan# 989

Delta R.T. 0.006 min

Lab File: VX048814.D

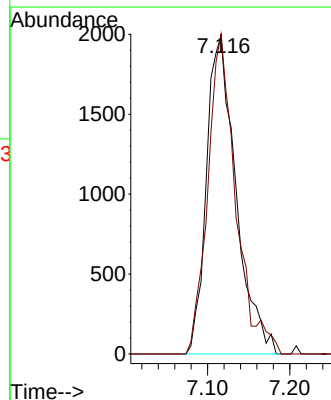
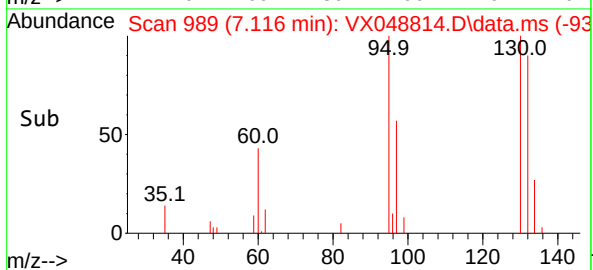
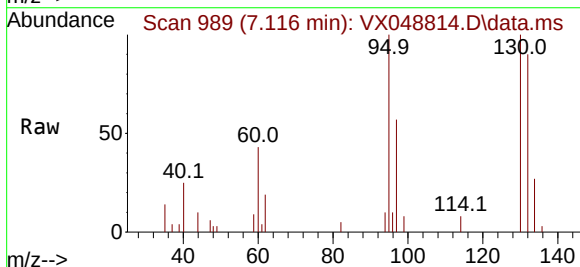
Acq: 10 Dec 2025 16:13

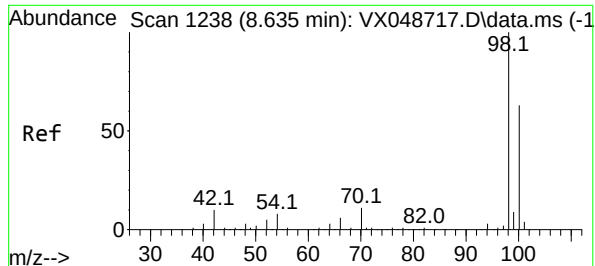
Tgt Ion:130 Resp: 4959

Ion Ratio Lower Upper

130 100

95 100.5 0.0 189.6





#50

Toluene-d8

Concen: 47.226 ug/l

RT: 8.634 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048814.D

Acq: 10 Dec 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

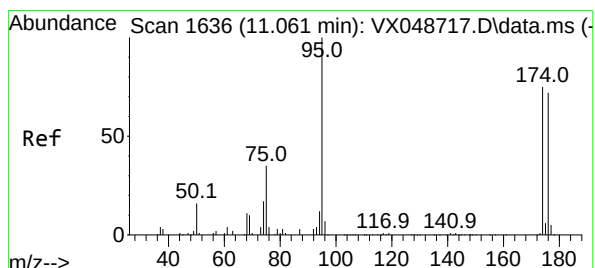
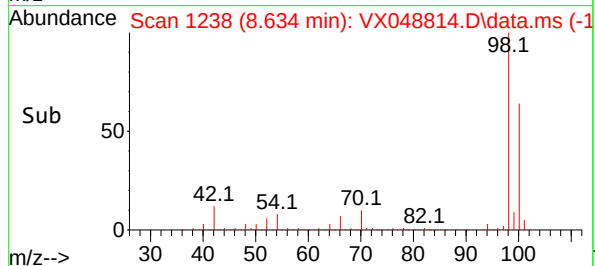
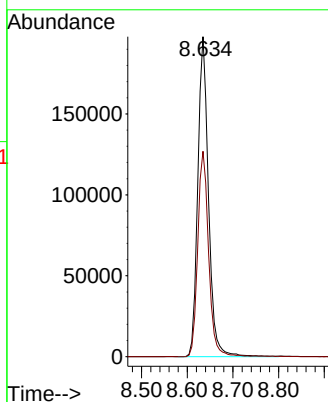
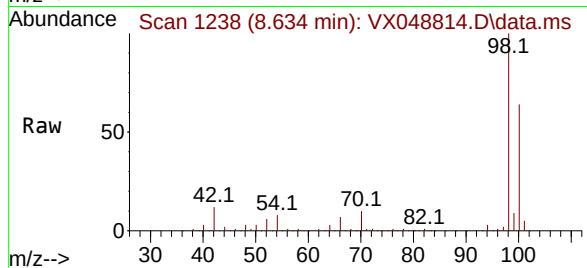
OW-01B-66.5-120525

Tgt Ion: 98 Resp: 321038

Ion Ratio Lower Upper

98 100

100 65.1 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 60.396 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. 0.006 min

Lab File: VX048814.D

Acq: 10 Dec 2025 16:13

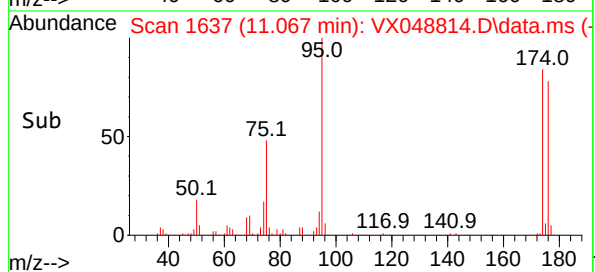
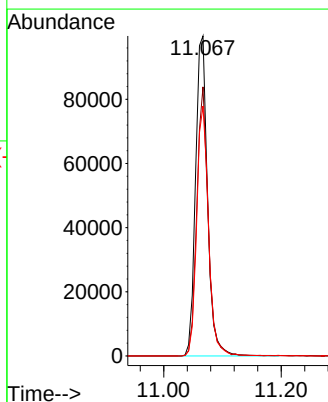
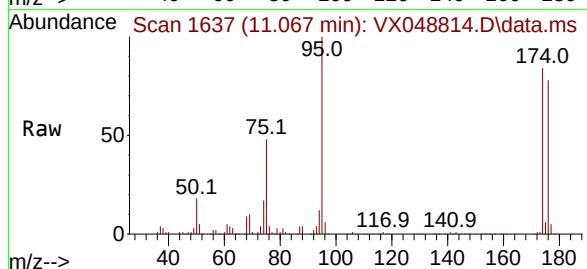
Tgt Ion: 95 Resp: 141576

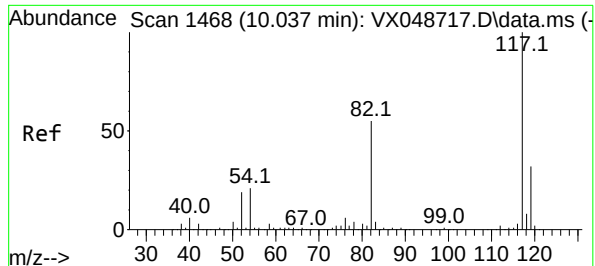
Ion Ratio Lower Upper

95 100

174 80.2 0.0 157.8

176 77.2 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: VX048814.D

Acq: 10 Dec 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

OW-01B-66.5-120525

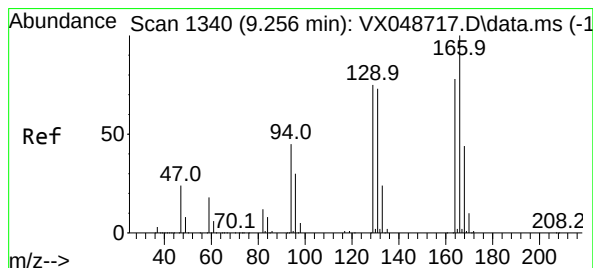
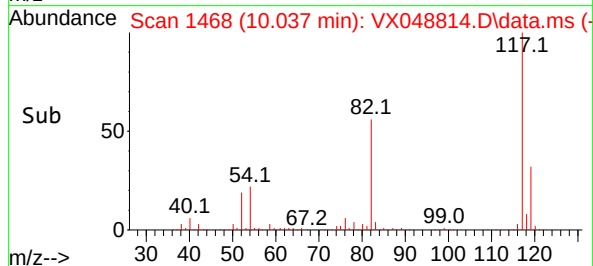
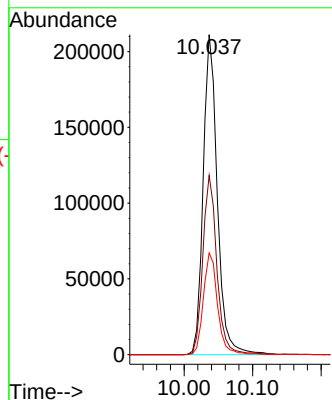
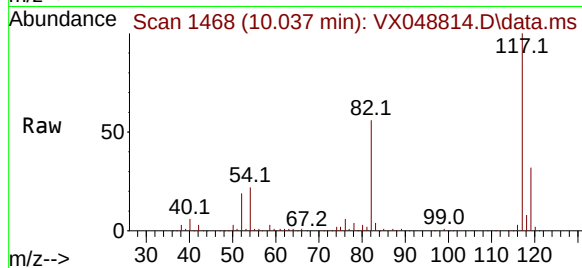
Tgt Ion:117 Resp: 303661

Ion Ratio Lower Upper

117 100

82 56.0 44.1 66.1

119 31.8 25.2 37.8



#64

Tetrachloroethene

Concen: 0.452 ug/l

RT: 9.262 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX048814.D

Acq: 10 Dec 2025 16:13

Tgt Ion:164 Resp: 1000

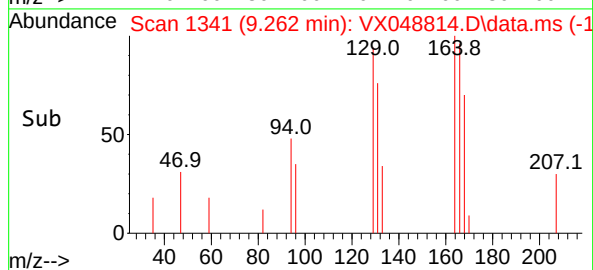
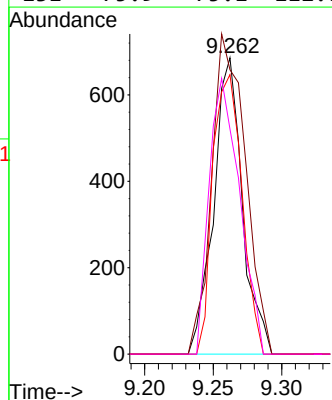
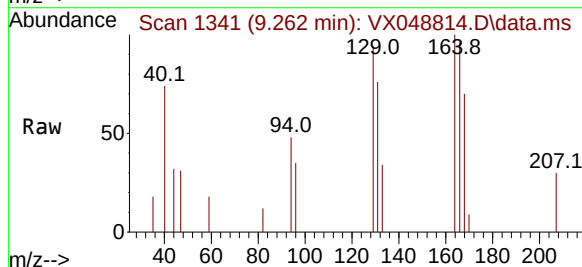
Ion Ratio Lower Upper

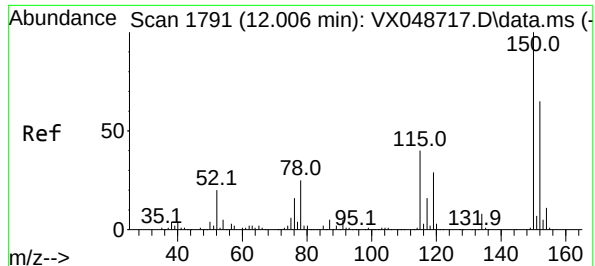
164 100

166 95.9 103.1 154.7#

129 94.3 76.9 115.3

131 75.9 75.1 112.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048814.D

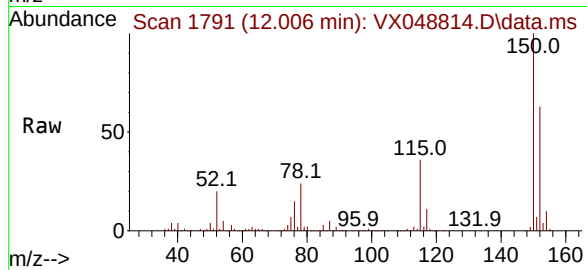
Acq: 10 Dec 2025 16:13

Instrument :

MSVOA_X

ClientSampleId :

OW-01B-66.5-120525



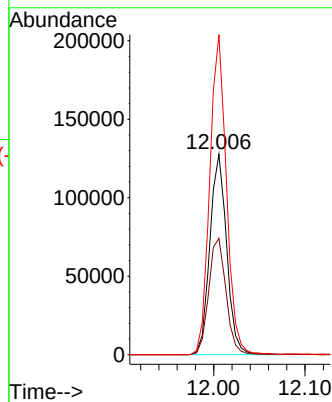
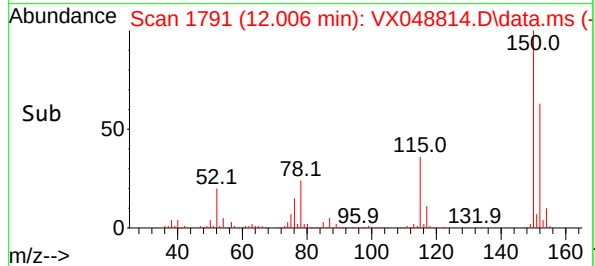
Tgt Ion:152 Resp: 163248

Ion Ratio Lower Upper

152 100

115 59.9 42.1 126.4

150 158.2 0.0 347.8



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
 Data File : VX048761.D
 Acq On : 08 Dec 2025 17:21
 Operator : JC/MD
 Sample : Q3788-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-05-465-120525

Quant Time: Dec 09 04:13:47 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)

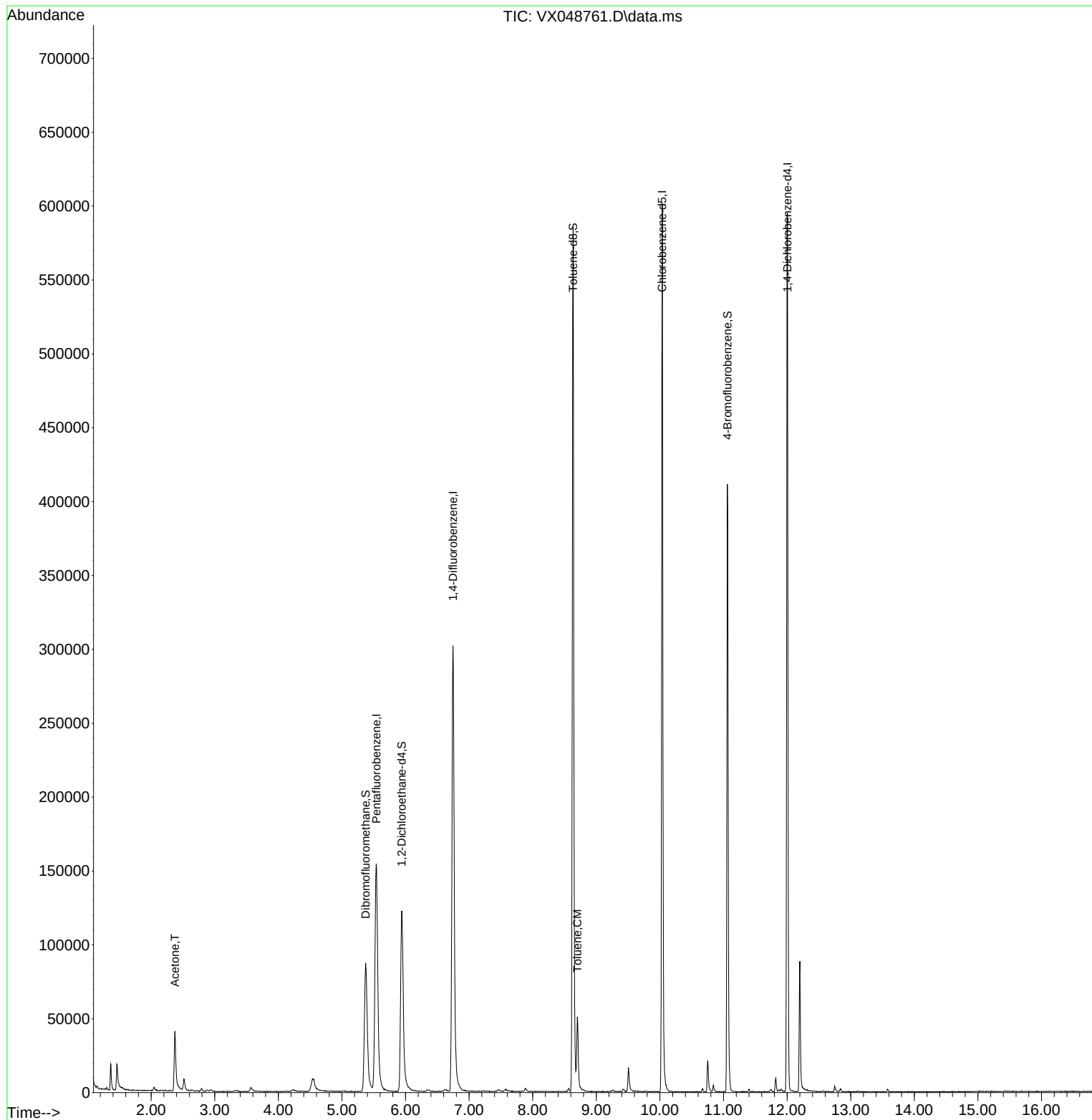
Internal Standards						
1) Pentafluorobenzene	5.544	168	158795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	333603	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	259658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	136681	64.130	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	128.260%#
35) Dibromofluoromethane	5.373	113	85386	37.173	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	74.340%#
50) Toluene-d8	8.634	98	360181	44.734	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.460%#
62) 4-Bromofluorobenzene	11.061	95	108254	38.990	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	77.980%#
Target Compounds						
16) Acetone	2.373	43	54679	67.016	ug/l	99
52) Toluene	8.702	92	18766	3.337	ug/l	98

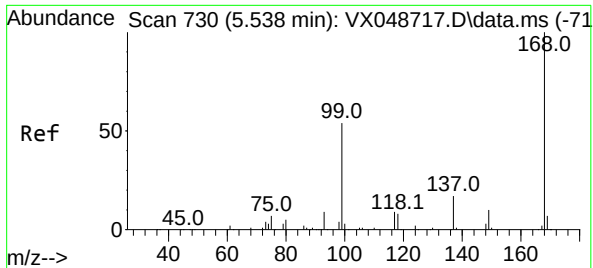
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048761.D
Acq On : 08 Dec 2025 17:21
Operator : JC/MD
Sample : Q3788-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-120525

Quant Time: Dec 09 04:13:47 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# 71

Delta R.T. 0.006 min

Lab File: VX048761.D

Acq: 08 Dec 2025 17:21

Instrument :

MSVOA_X

ClientSampleId :

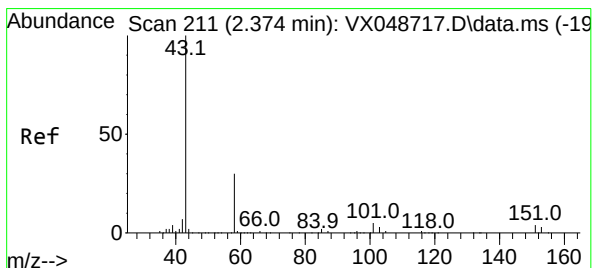
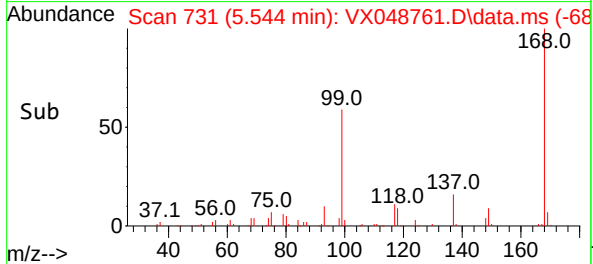
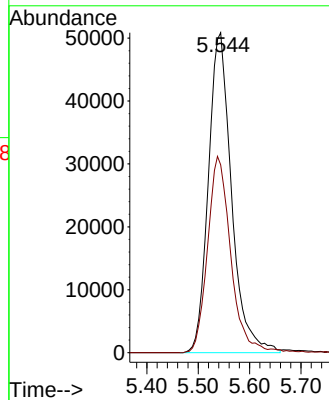
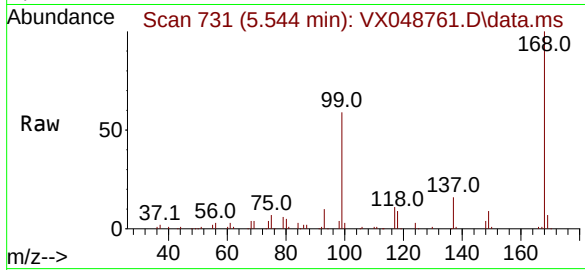
BR-05-465-120525

Tgt Ion:168 Resp: 158795

Ion Ratio Lower Upper

168 100

99 58.7 44.2 66.4



#16

Acetone

Concen: 67.016 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048761.D

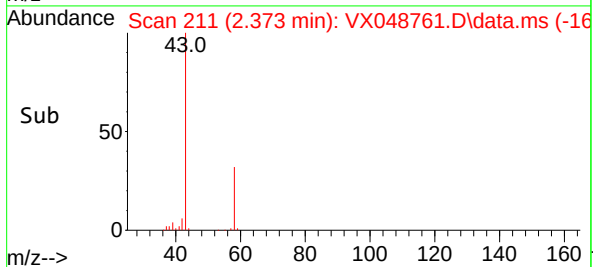
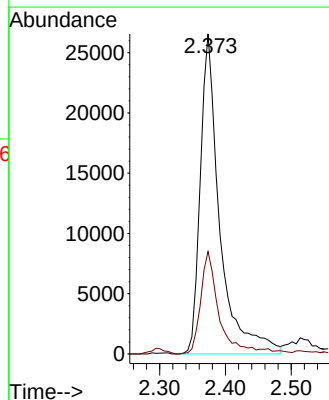
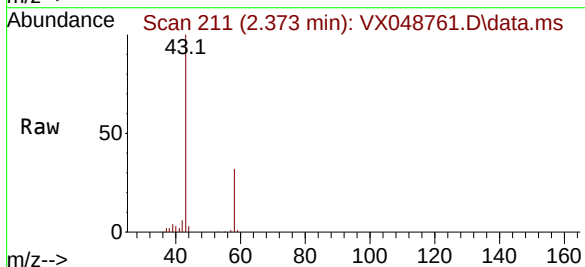
Acq: 08 Dec 2025 17:21

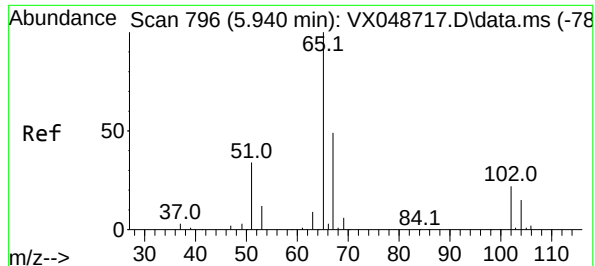
Tgt Ion: 43 Resp: 54679

Ion Ratio Lower Upper

43 100

58 32.0 25.0 37.4





#33

1,2-Dichloroethane-d4

Concen: 64.130 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048761.D

Acq: 08 Dec 2025 17:21

Instrument :

MSVOA_X

ClientSampleId :

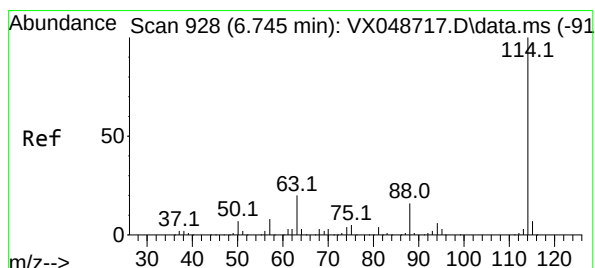
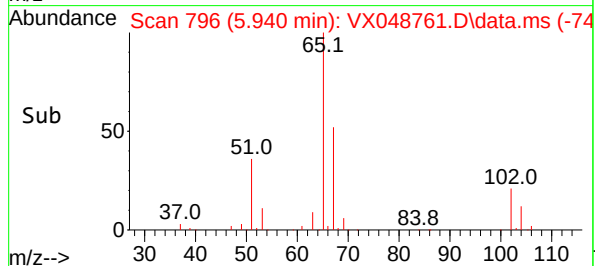
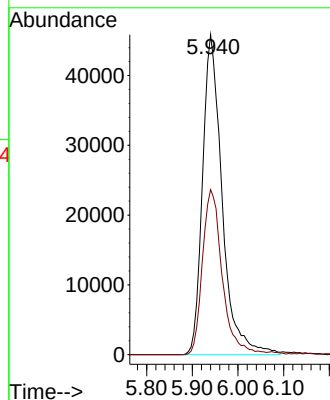
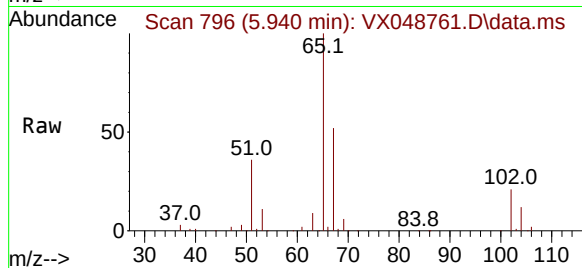
BR-05-465-120525

Tgt Ion: 65 Resp: 136681

Ion Ratio Lower Upper

65 100

67 51.9 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: VX048761.D

Acq: 08 Dec 2025 17:21

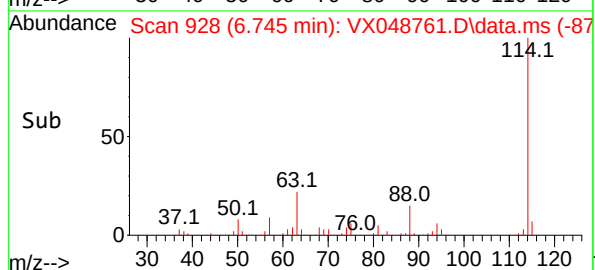
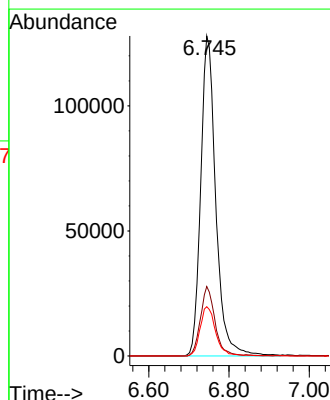
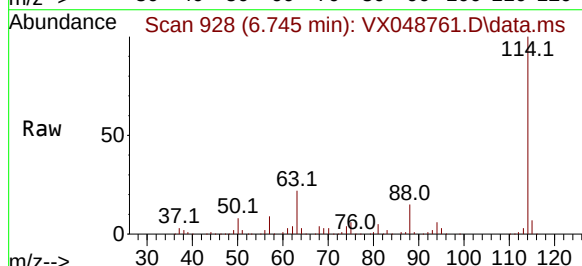
Tgt Ion: 114 Resp: 333603

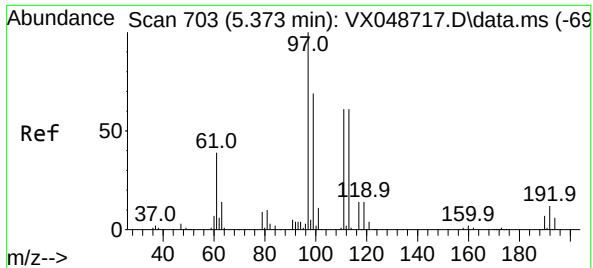
Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.0

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 37.173 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048761.D

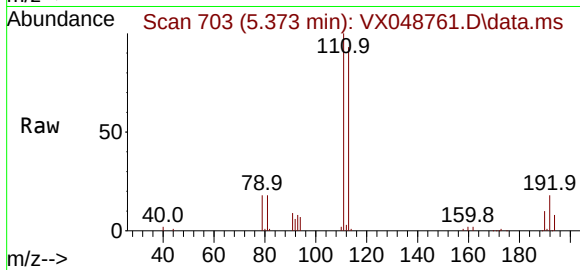
Acq: 08 Dec 2025 17:21

Instrument :

MSVOA_X

ClientSampleId :

BR-05-465-120525



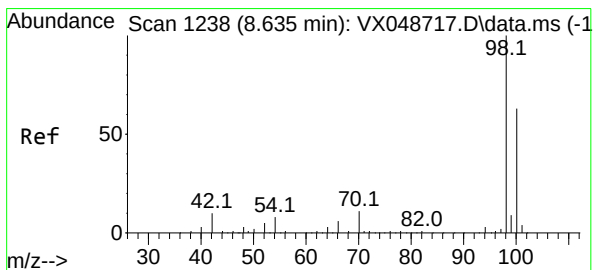
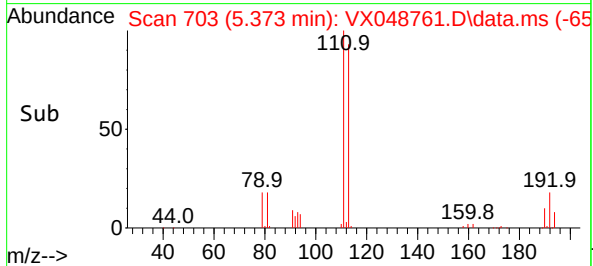
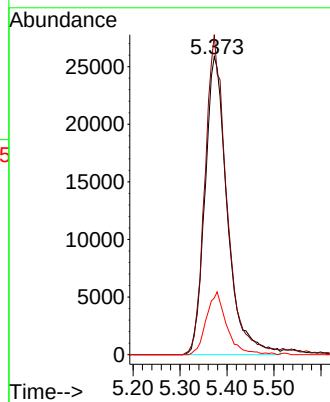
Tgt Ion:113 Resp: 85386

Ion Ratio Lower Upper

113 100

111 104.5 79.5 119.3

192 19.2 16.1 24.1



#50

Toluene-d8

Concen: 44.734 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048761.D

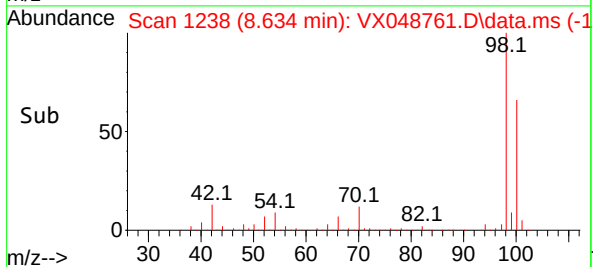
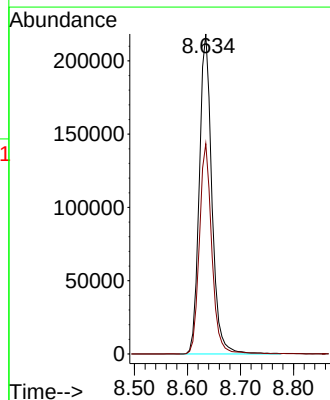
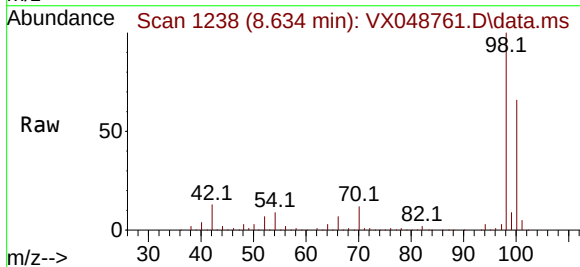
Acq: 08 Dec 2025 17:21

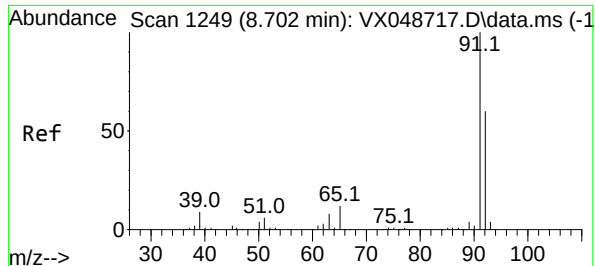
Tgt Ion: 98 Resp: 360181

Ion Ratio Lower Upper

98 100

100 64.9 53.4 80.0





#52

Toluene

Concen: 3.337 ug/l

RT: 8.702 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048761.D

Acq: 08 Dec 2025 17:21

Instrument :

MSVOA_X

ClientSampleId :

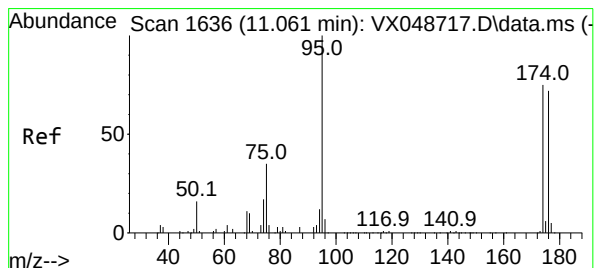
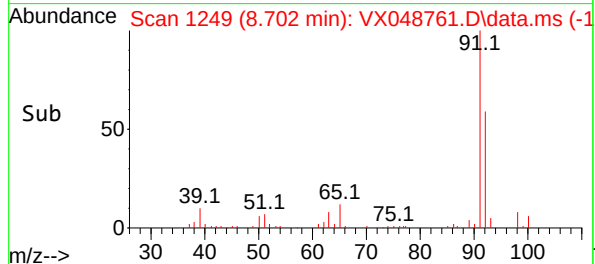
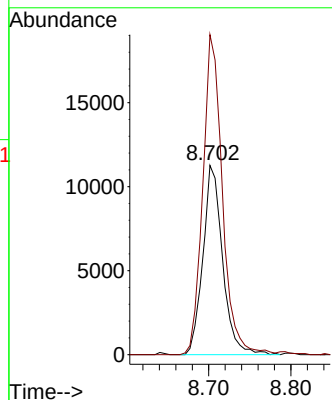
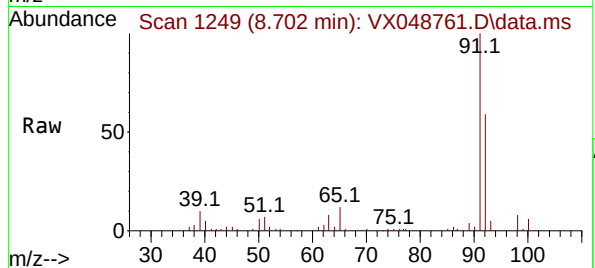
BR-05-465-120525

Tgt Ion: 92 Resp: 18766

Ion Ratio Lower Upper

92 100

91 168.2 136.3 204.5



#62

4-Bromofluorobenzene

Concen: 38.990 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048761.D

Acq: 08 Dec 2025 17:21

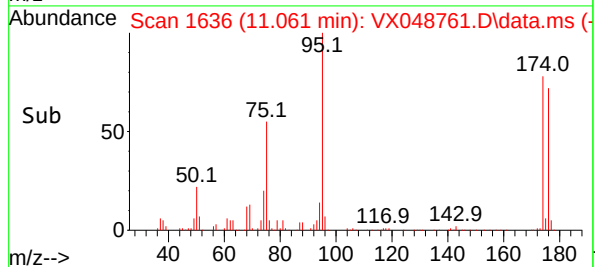
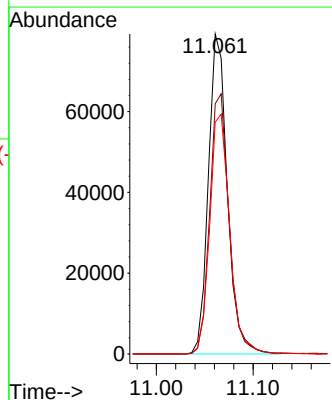
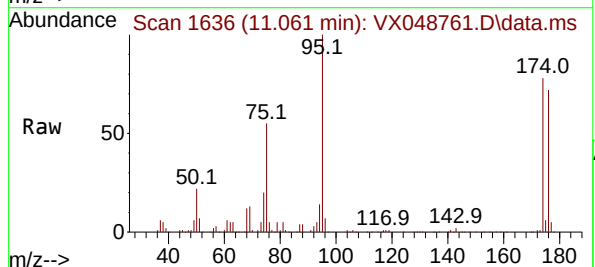
Tgt Ion: 95 Resp: 108254

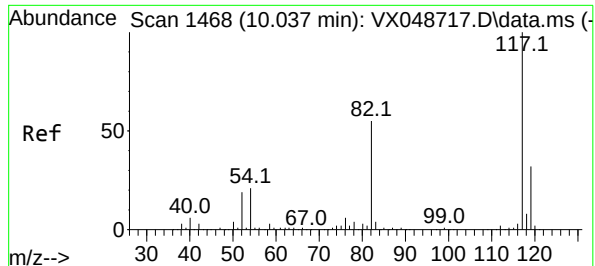
Ion Ratio Lower Upper

95 100

174 83.5 0.0 157.8

176 79.1 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: VX048761.D

Acq: 08 Dec 2025 17:21

Instrument :

MSVOA_X

ClientSampleId :

BR-05-465-120525

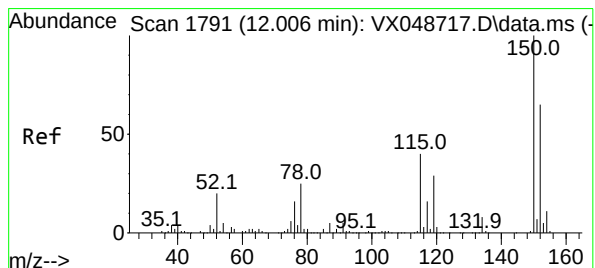
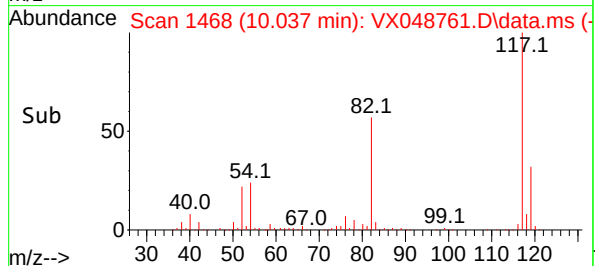
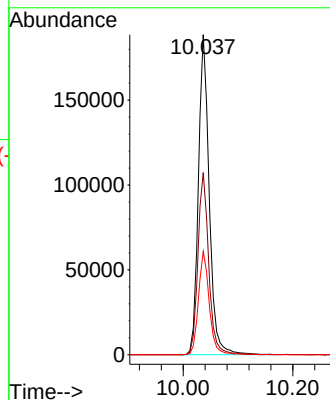
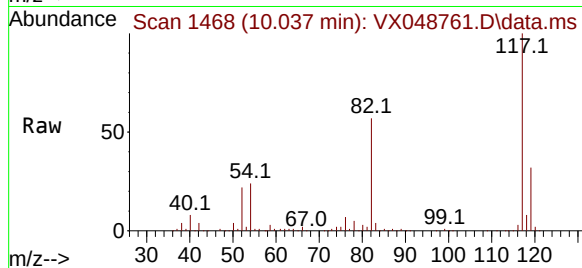
Tgt Ion:117 Resp: 259658

Ion Ratio Lower Upper

117 100

82 56.9 44.1 66.1

119 32.2 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: VX048761.D

Acq: 08 Dec 2025 17:21

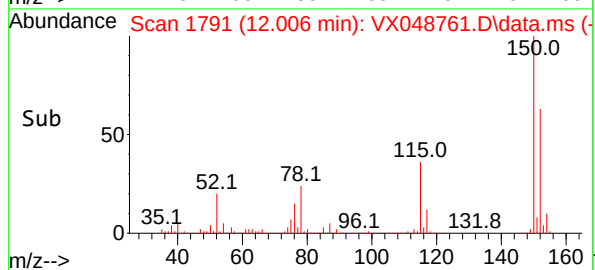
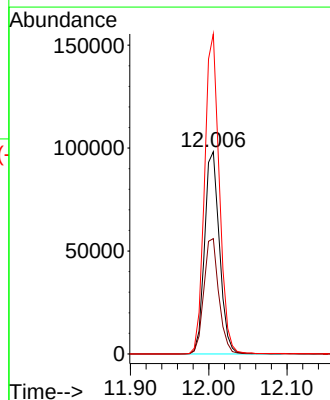
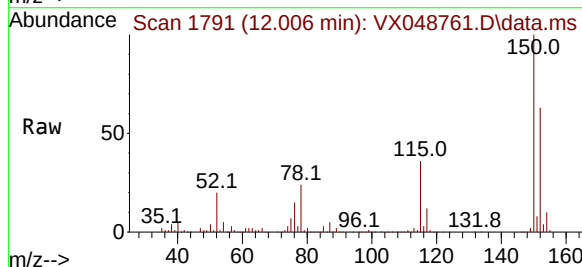
Tgt Ion:152 Resp: 129696

Ion Ratio Lower Upper

152 100

115 57.5 42.1 126.4

150 156.2 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048815.D
Acq On : 10 Dec 2025 16:34
Operator : JC/MD
Sample : Q3788-09RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-120525RE

Quant Time: Dec 11 00:26:16 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)

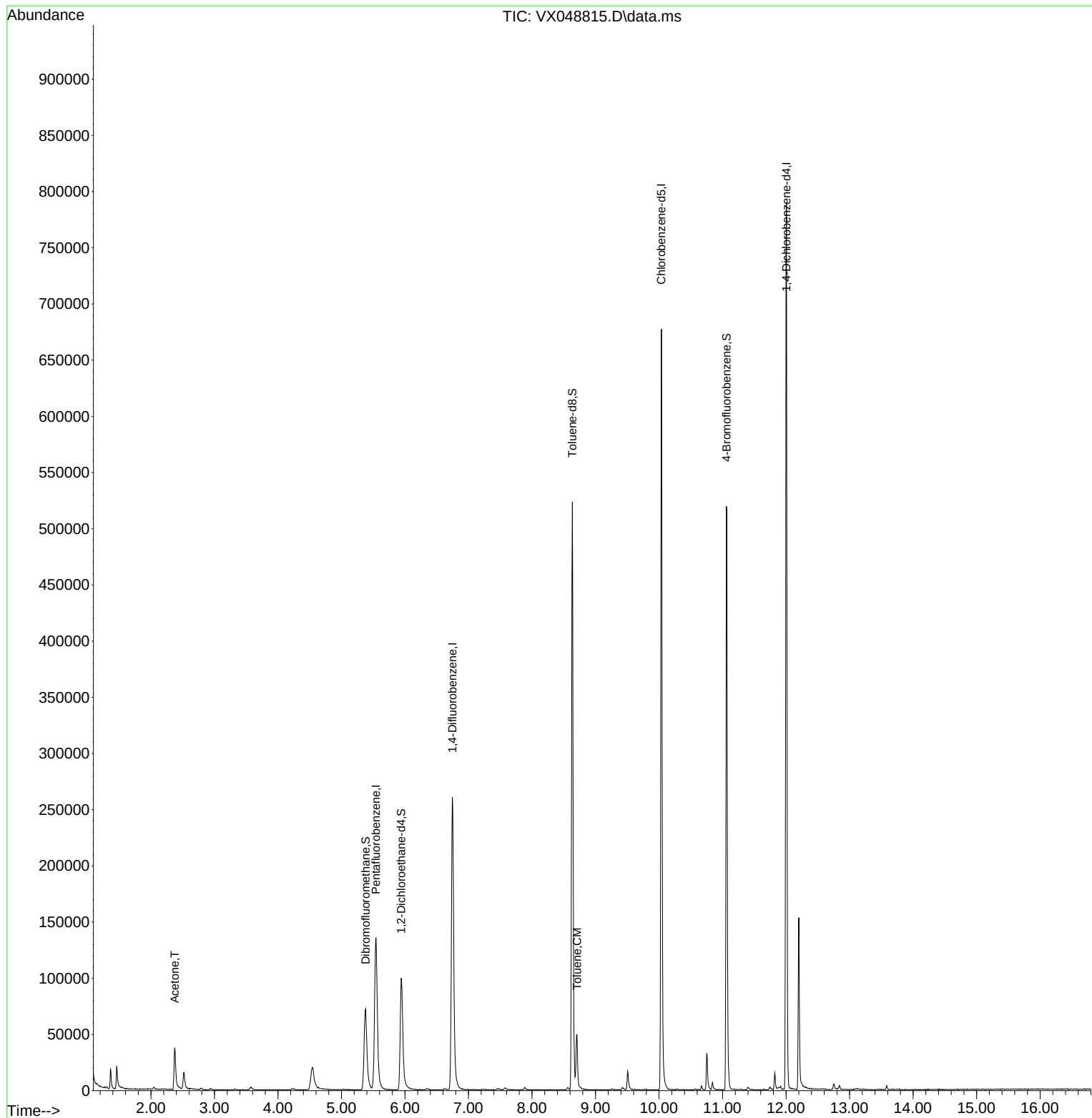
Internal Standards							
1) Pentafluorobenzene		5.544	168	141844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		6.745	114	294856	50.000	ug/l	0.00
63) Chlorobenzene-d5		10.037	117	321925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		12.006	152	176216	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		5.940	65	109464	57.497	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.000%	
35) Dibromofluoromethane		5.379	113	72006	35.467	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	70.940%#	
50) Toluene-d8		8.635	98	333543	46.869	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.740%	
62) 4-Bromofluorobenzene		11.061	95	150896	61.490	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	122.980%	
Target Compounds							
16) Acetone		2.373	43	50972	69.938	ug/l	100
52) Toluene		8.708	92	19617	3.947	ug/l	100

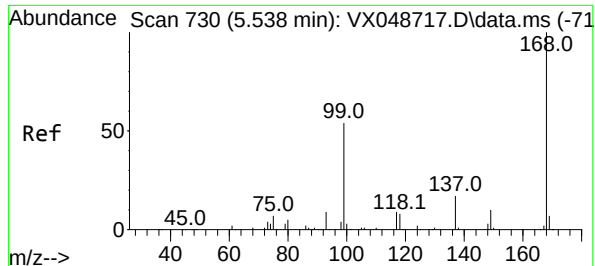
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048815.D
Acq On : 10 Dec 2025 16:34
Operator : JC/MD
Sample : Q3788-09RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-120525RE

Quant Time: Dec 11 00:26:16 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# 731

Delta R.T. 0.006 min

Lab File: VX048815.D

Acq: 10 Dec 2025 16:34

Instrument :

MSVOA_X

ClientSampleId :

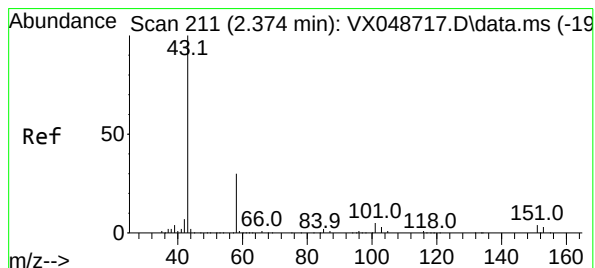
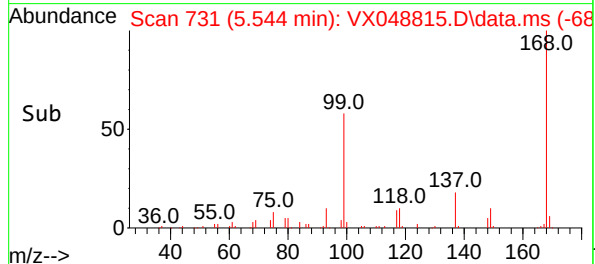
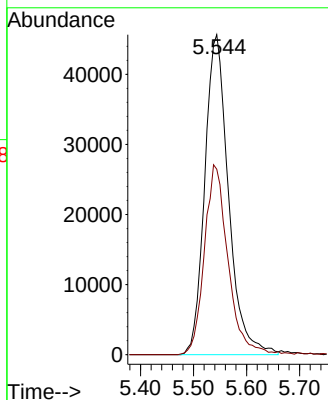
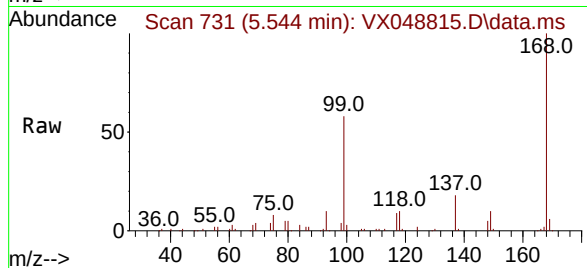
BR-05-465-120525RE

Tgt Ion:168 Resp: 141844

Ion Ratio Lower Upper

168 100

99 58.0 44.2 66.4



#16

Acetone

Concen: 69.938 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048815.D

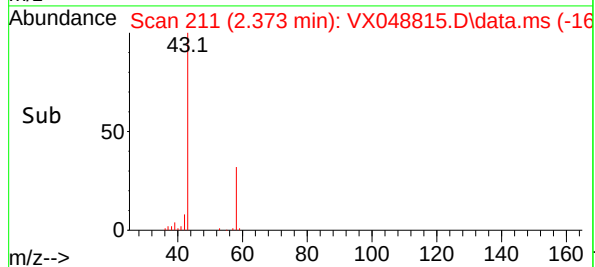
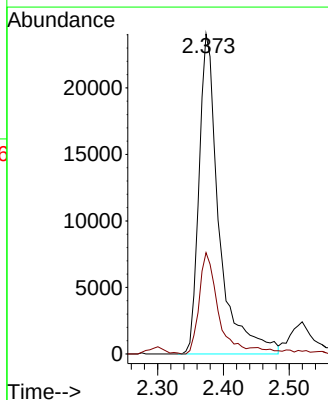
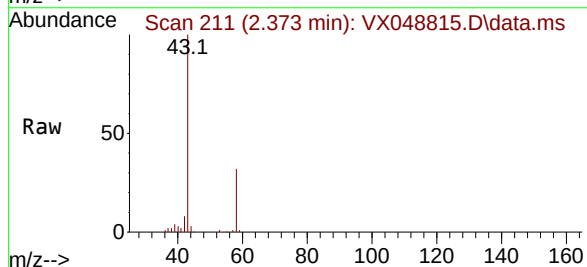
Acq: 10 Dec 2025 16:34

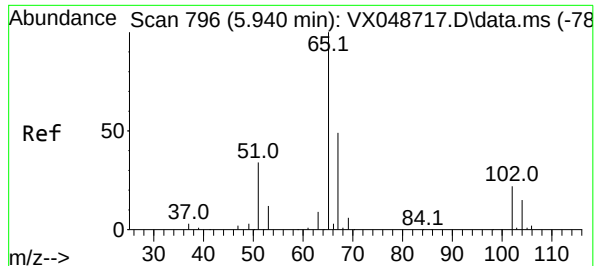
Tgt Ion: 43 Resp: 50972

Ion Ratio Lower Upper

43 100

58 31.4 25.0 37.4





#33

1,2-Dichloroethane-d4

Concen: 57.497 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048815.D

Acq: 10 Dec 2025 16:34

Instrument :

MSVOA_X

ClientSampleId :

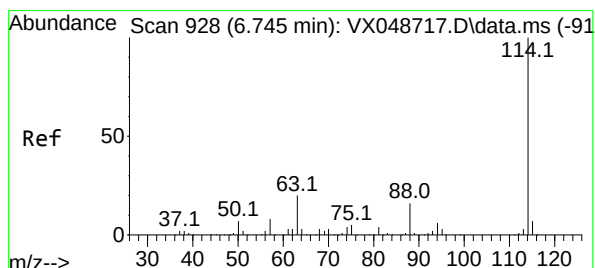
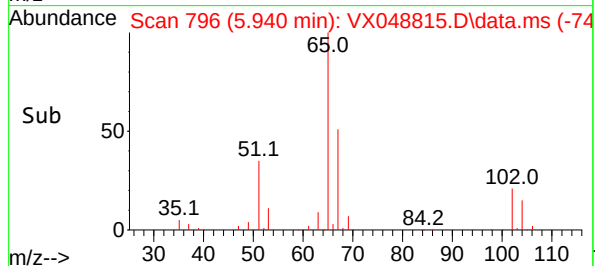
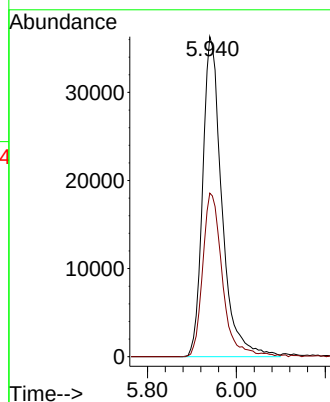
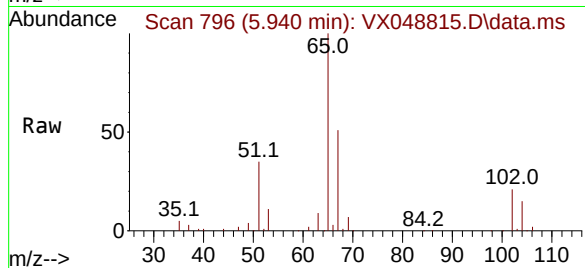
BR-05-465-120525RE

Tgt Ion: 65 Resp: 109464

Ion Ratio Lower Upper

65 100

67 51.7 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: VX048815.D

Acq: 10 Dec 2025 16:34

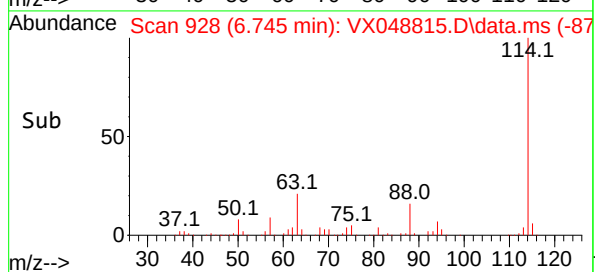
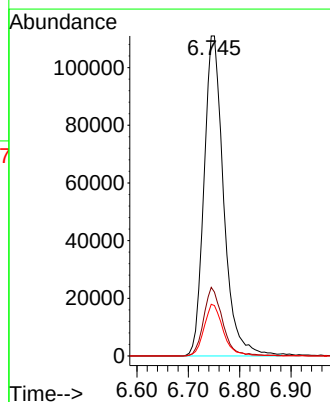
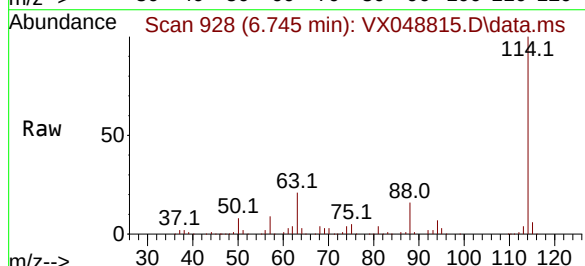
Tgt Ion: 114 Resp: 294856

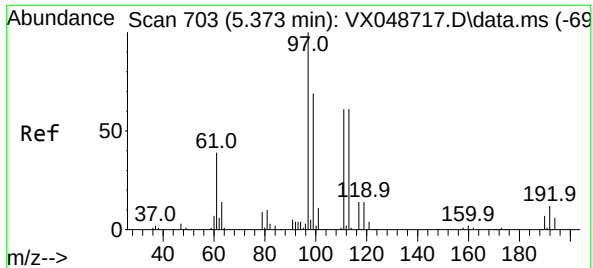
Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.0

88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 35.467 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048815.D

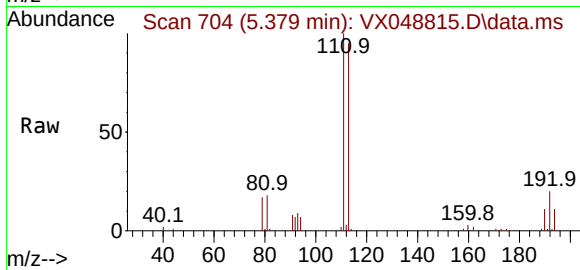
Acq: 10 Dec 2025 16:34

Instrument :

MSVOA_X

ClientSampleId :

BR-05-465-120525RE



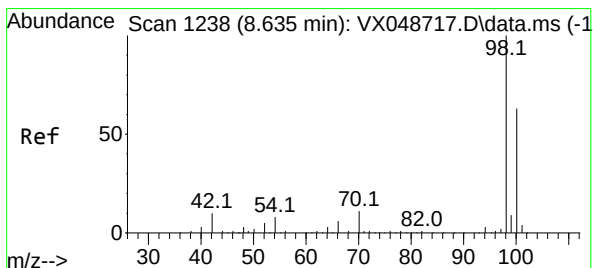
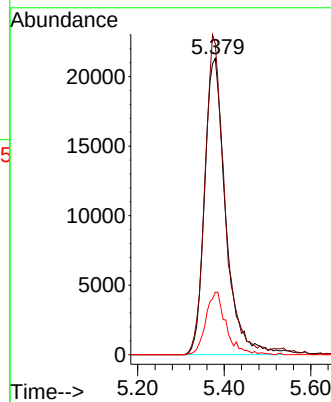
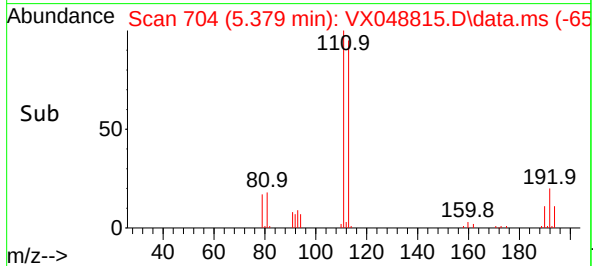
Tgt Ion:113 Resp: 72006

Ion Ratio Lower Upper

113 100

111 100.6 79.5 119.3

192 20.4 16.1 24.1



#50

Toluene-d8

Concen: 46.869 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048815.D

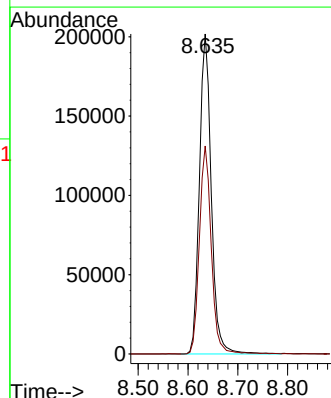
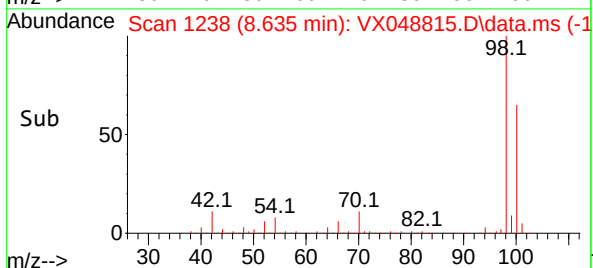
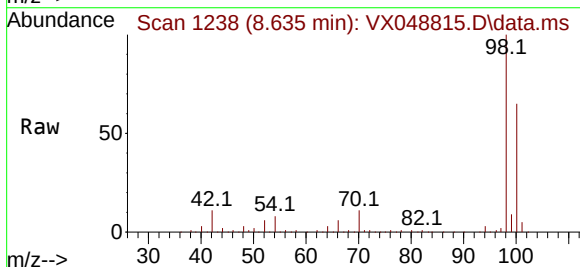
Acq: 10 Dec 2025 16:34

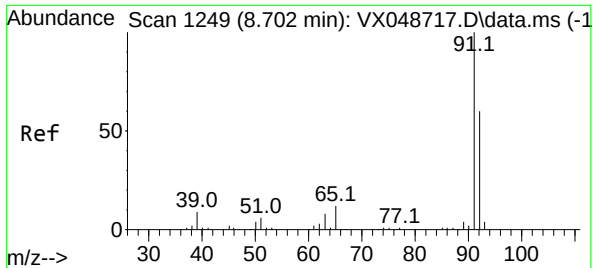
Tgt Ion: 98 Resp: 333543

Ion Ratio Lower Upper

98 100

100 65.2 53.4 80.0





#52

Toluene

Concen: 3.947 ug/l

RT: 8.708 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX048815.D

Acq: 10 Dec 2025 16:34

Instrument :

MSVOA_X

ClientSampleId :

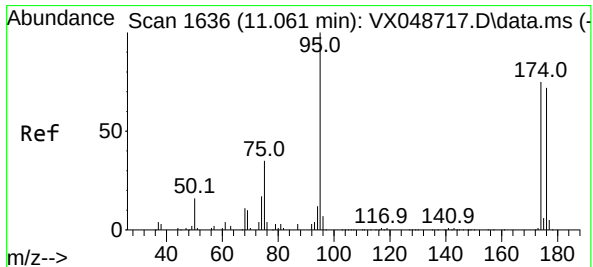
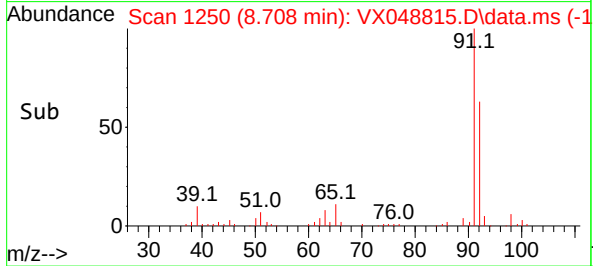
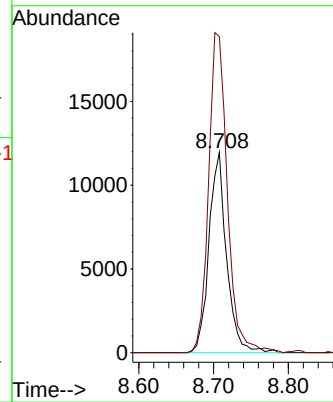
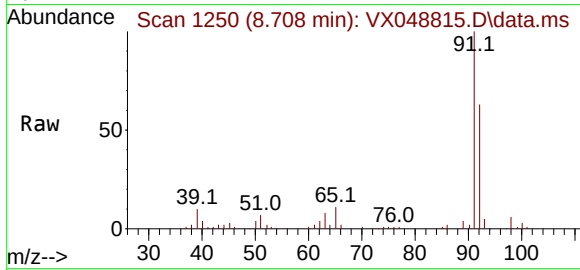
BR-05-465-120525RE

Tgt Ion: 92 Resp: 19617

Ion Ratio Lower Upper

92 100

91 169.8 136.3 204.5



#62

4-Bromofluorobenzene

Concen: 61.490 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048815.D

Acq: 10 Dec 2025 16:34

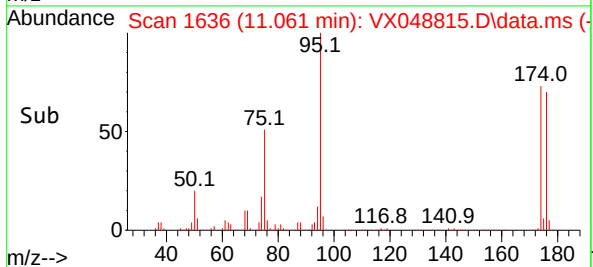
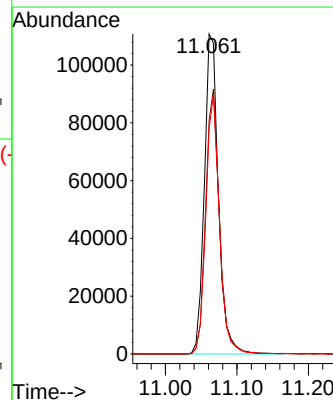
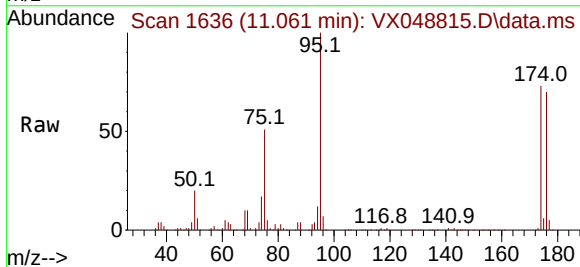
Tgt Ion: 95 Resp: 150896

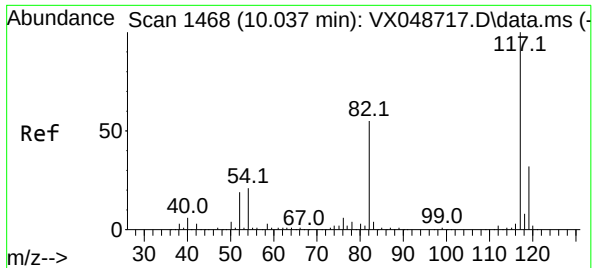
Ion Ratio Lower Upper

95 100

174 81.6 0.0 157.8

176 78.5 0.0 154.0

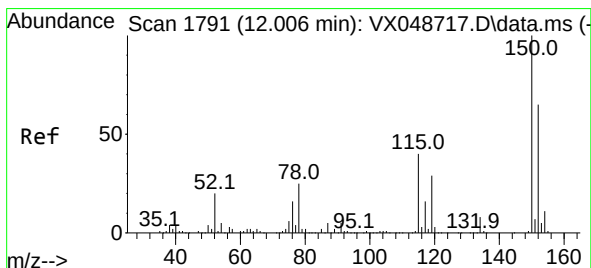
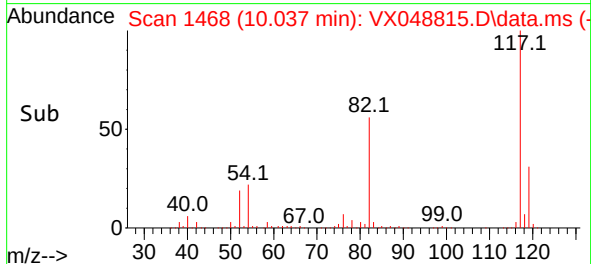
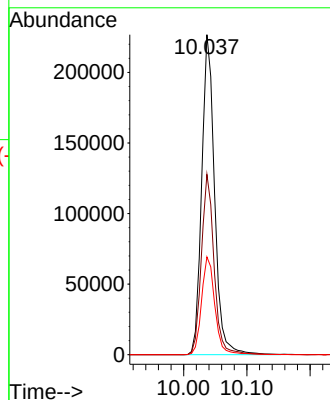
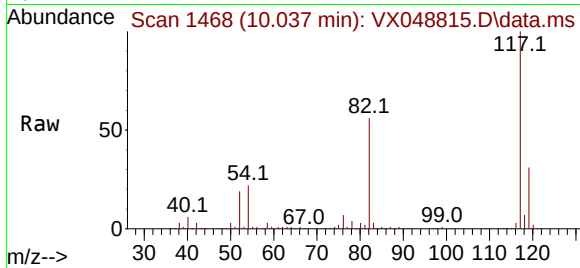




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048815.D
Acq: 10 Dec 2025 16:34

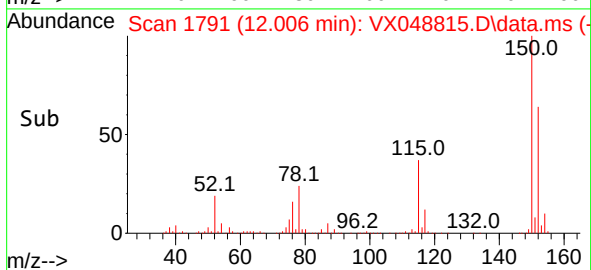
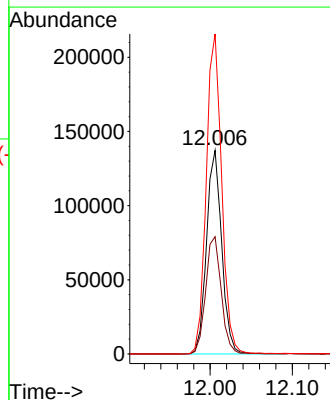
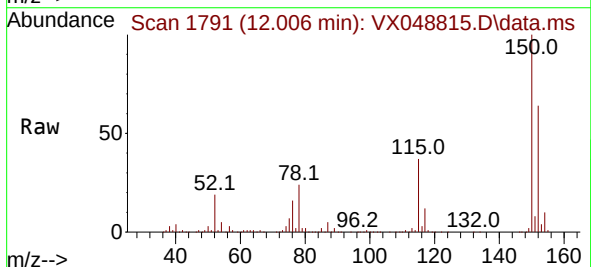
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-120525RE

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.1	66.1
119	30.5	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: VX048815.D
Acq: 10 Dec 2025 16:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	42.1	126.4
150	159.6	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048762.D
Acq On : 08 Dec 2025 17:41
Operator : JC/MD
Sample : Q3788-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525

Quant Time: Dec 09 04:14:11 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)

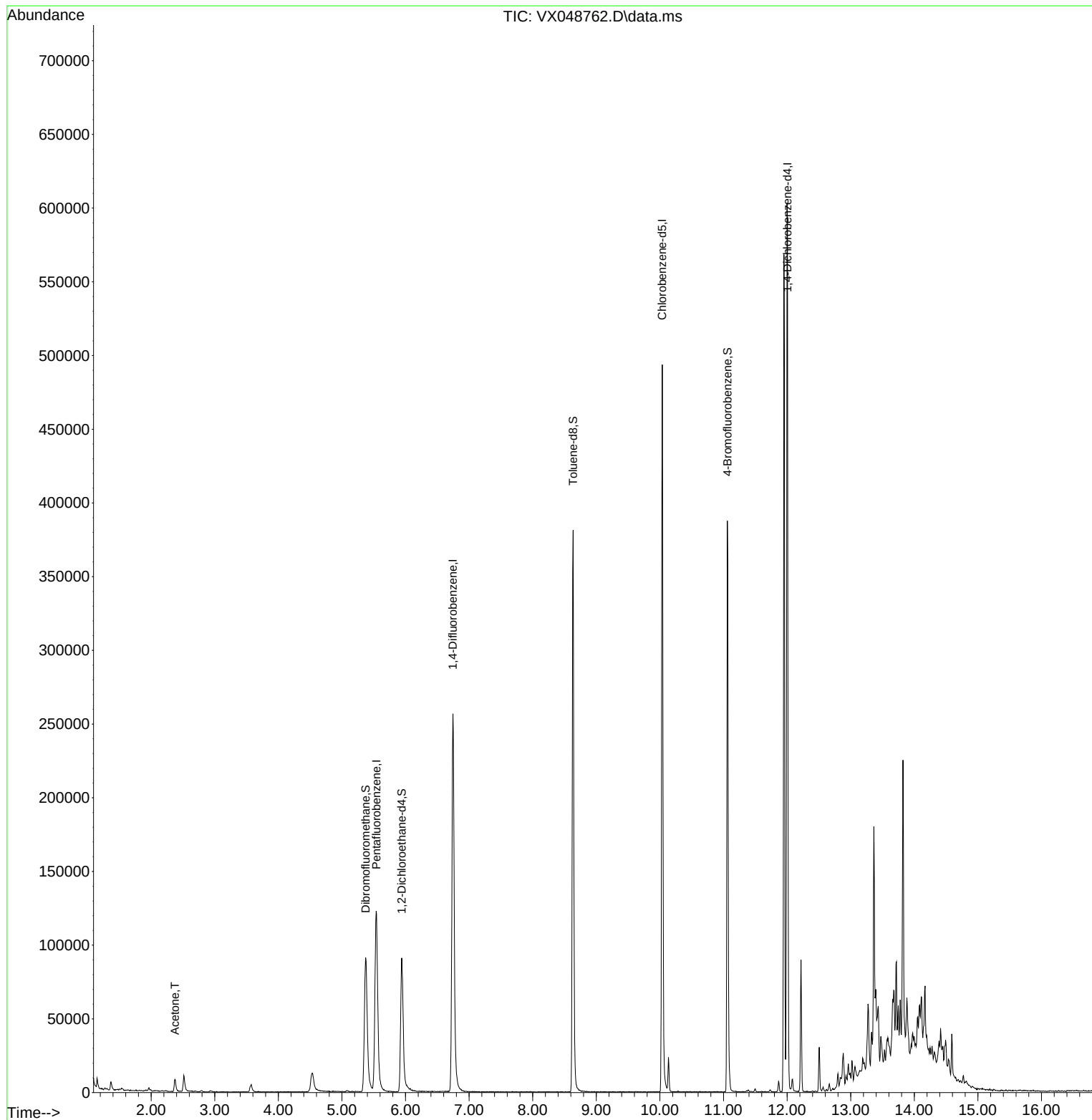
Internal Standards						
1) Pentafluorobenzene	5.544	168	123961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	277457	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	227659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	124497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	98874	59.427	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	118.860%	#
35) Dibromofluoromethane	5.373	113	90194	47.212	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.420%	
50) Toluene-d8	8.635	98	238014	35.543	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	71.080%	#
62) 4-Bromofluorobenzene	11.061	95	101242	43.843	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	87.680%	
Target Compounds						
					Qvalue	
16) Acetone	2.374	43	11034	17.324	ug/l	99

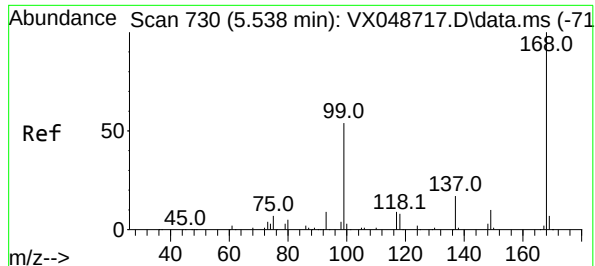
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048762.D
Acq On : 08 Dec 2025 17:41
Operator : JC/MD
Sample : Q3788-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525

Quant Time: Dec 09 04:14:11 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

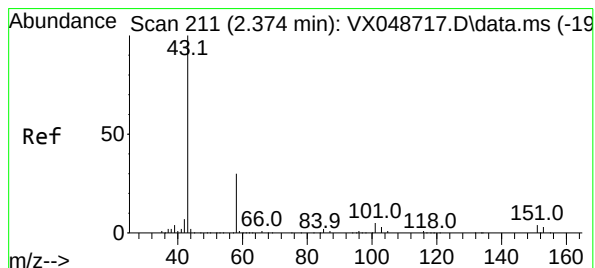
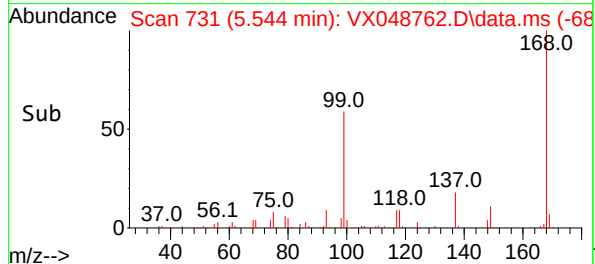
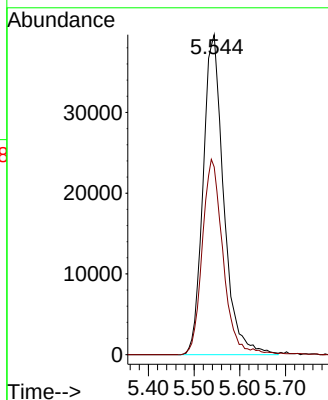
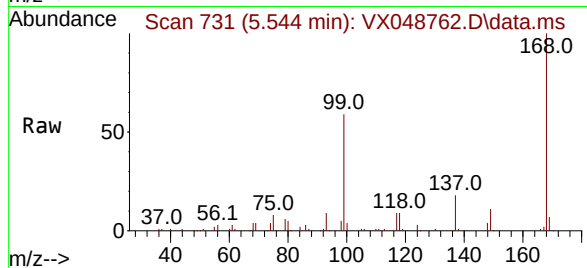




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX048762.D
Acq: 08 Dec 2025 17:41

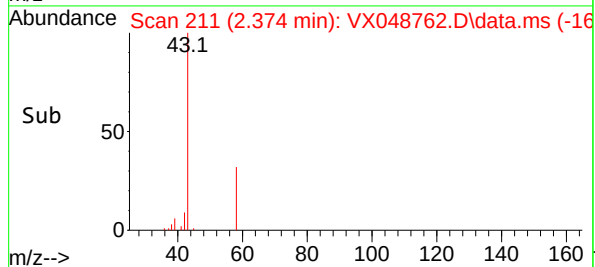
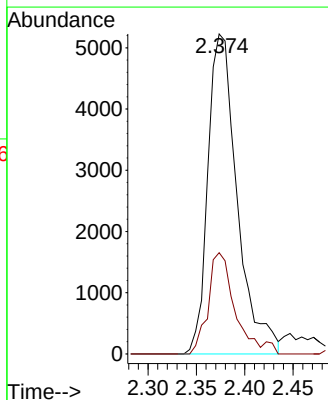
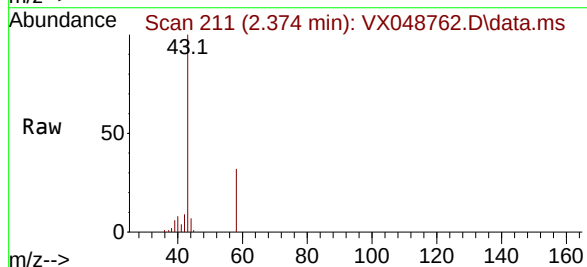
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525

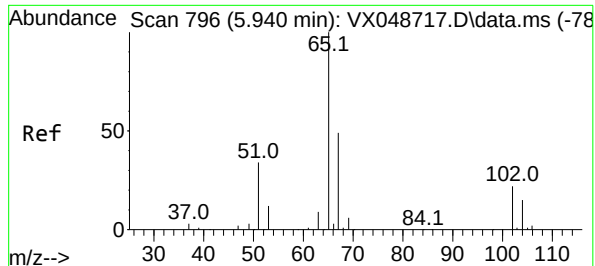
Tgt Ion:168 Resp: 123961
Ion Ratio Lower Upper
168 100
99 58.6 44.2 66.4



#16
Acetone
Concen: 17.324 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048762.D
Acq: 08 Dec 2025 17:41

Tgt Ion: 43 Resp: 11034
Ion Ratio Lower Upper
43 100
58 31.7 25.0 37.4





#33

1,2-Dichloroethane-d4

Concen: 59.427 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048762.D

Acq: 08 Dec 2025 17:41

Instrument :

MSVOA_X

ClientSampleId :

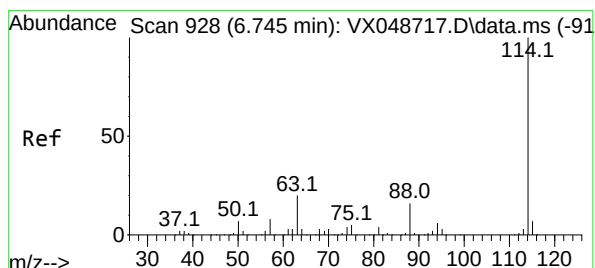
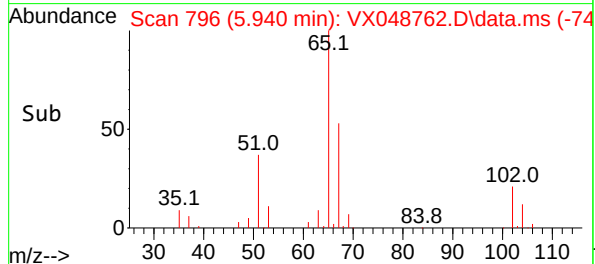
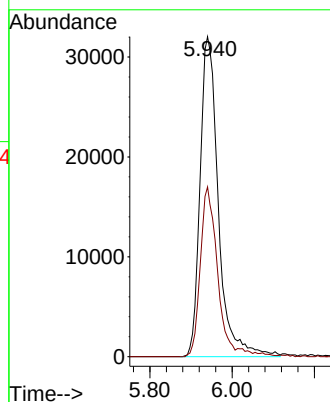
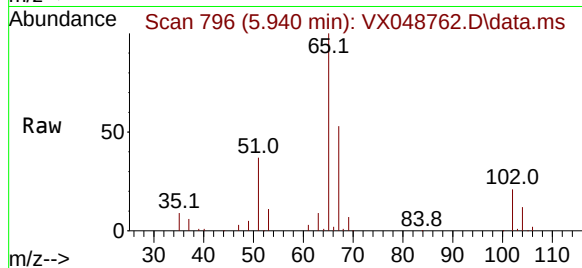
MW-16B-87.5-120525

Tgt Ion: 65 Resp: 98874

Ion Ratio Lower Upper

65 100

67 50.8 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: VX048762.D

Acq: 08 Dec 2025 17:41

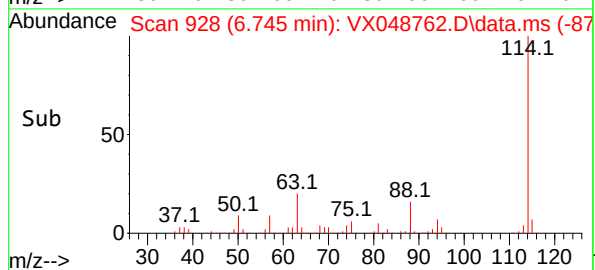
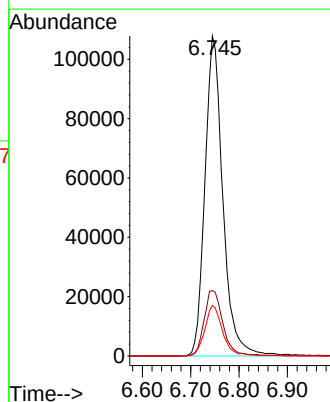
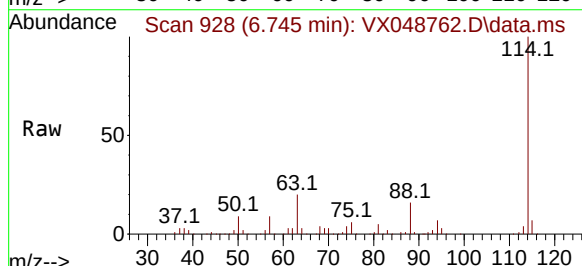
Tgt Ion: 114 Resp: 277457

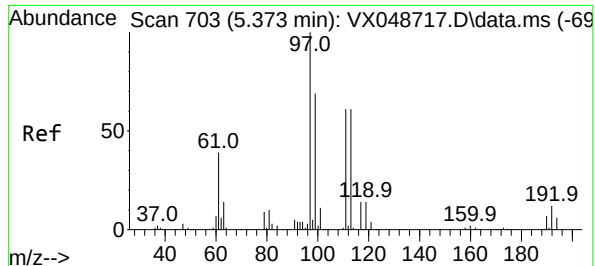
Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.0

88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.212 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048762.D

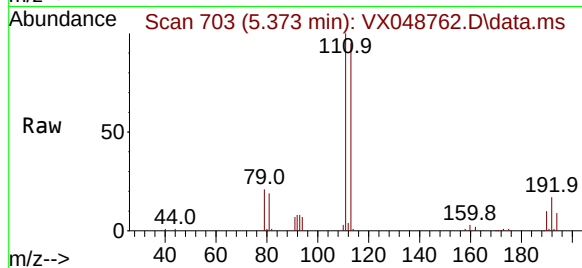
Acq: 08 Dec 2025 17:41

Instrument :

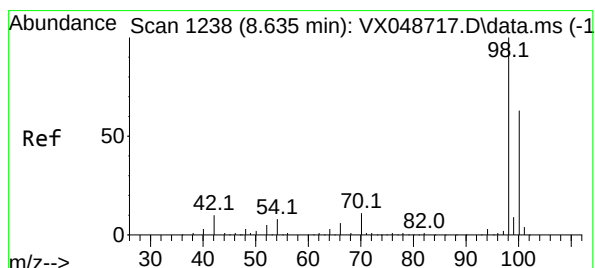
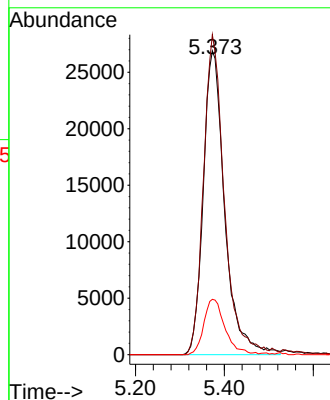
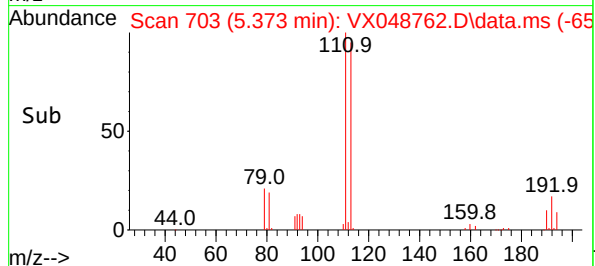
MSVOA_X

ClientSampleId :

MW-16B-87.5-120525



Tgt Ion:	113	Resp:	90194
Ion	Ratio	Lower	Upper
113	100		
111	102.3	79.5	119.3
192	18.0	16.1	24.1



#50

Toluene-d8

Concen: 35.543 ug/l

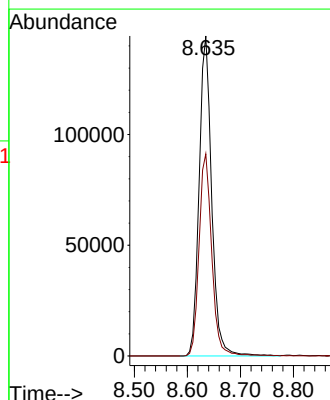
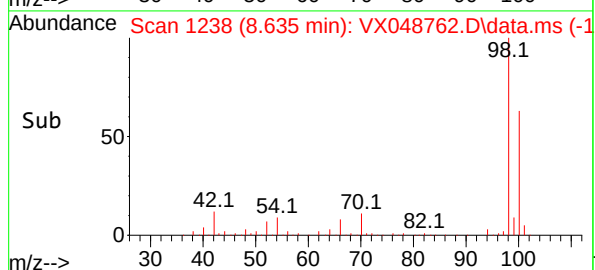
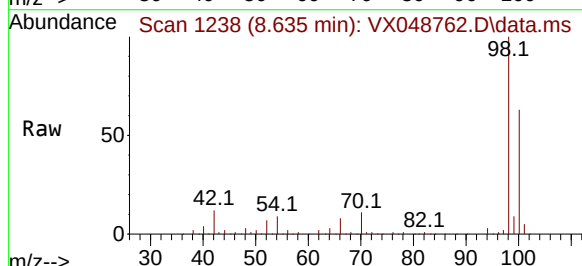
RT: 8.635 min Scan# 1238

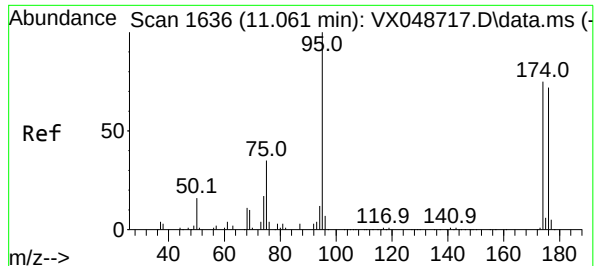
Delta R.T. 0.000 min

Lab File: VX048762.D

Acq: 08 Dec 2025 17:41

Tgt Ion:	98	Resp:	238014
Ion	Ratio	Lower	Upper
98	100		
100	64.1	53.4	80.0

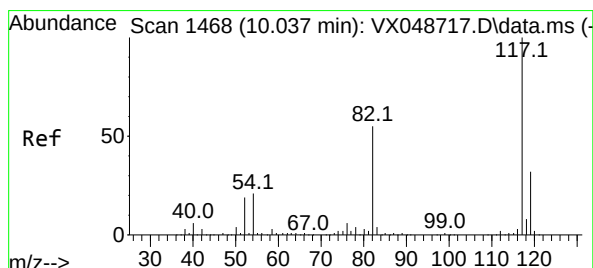
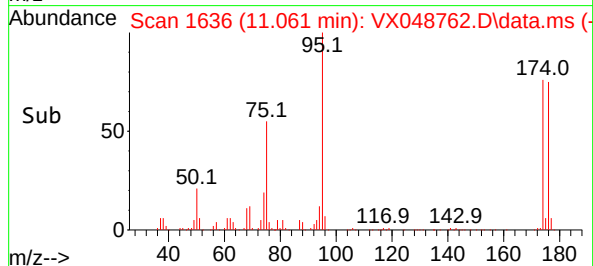
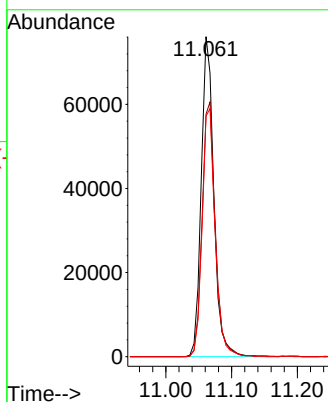
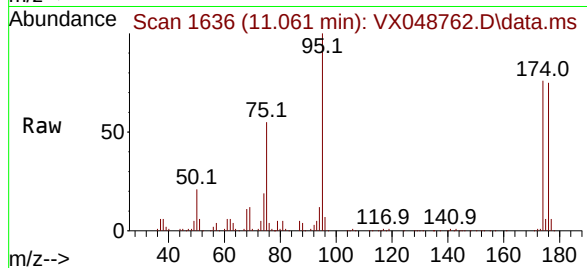




#62
4-Bromofluorobenzene
Concen: 43.843 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048762.D
Acq: 08 Dec 2025 17:41

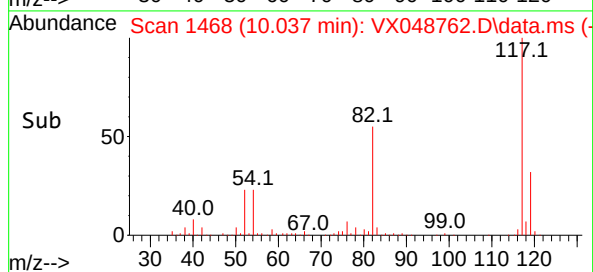
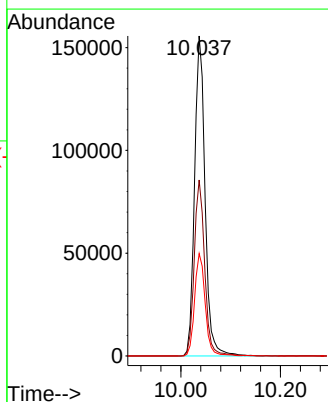
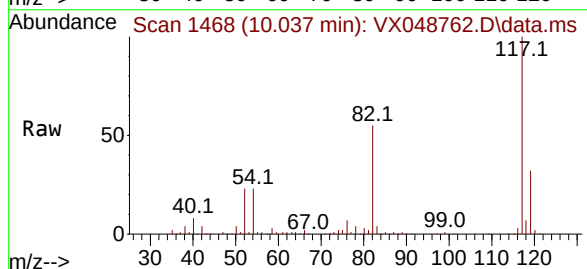
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525

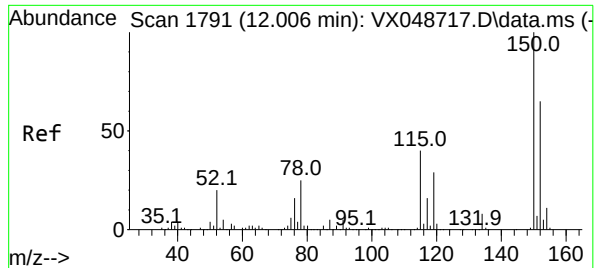
Tgt Ion: 95 Resp: 101242
Ion Ratio Lower Upper
95 100
174 83.5 0.0 157.8
176 80.1 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048762.D
Acq: 08 Dec 2025 17:41

Tgt Ion: 117 Resp: 227659
Ion Ratio Lower Upper
117 100
82 55.0 44.1 66.1
119 32.0 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048762.D

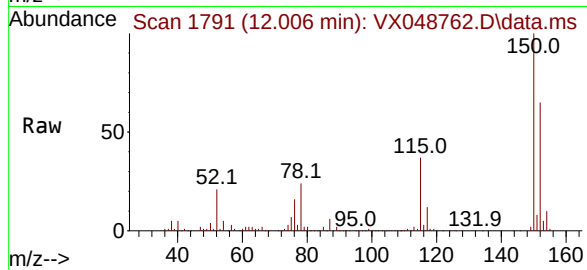
Acq: 08 Dec 2025 17:41

Instrument :

MSVOA_X

ClientSampleId :

MW-16B-87.5-120525



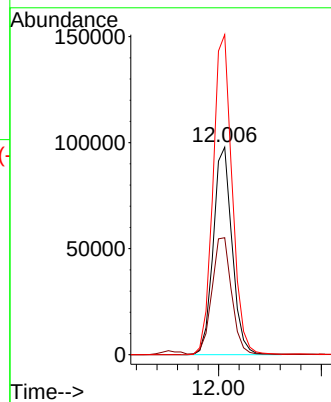
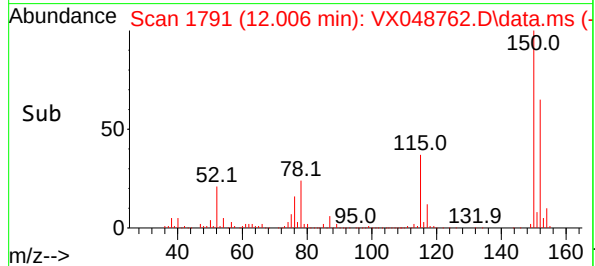
Tgt Ion:152 Resp: 124497

Ion Ratio Lower Upper

152 100

115 58.9 42.1 126.4

150 156.9 0.0 347.8



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048816.D
 Acq On : 10 Dec 2025 16:54
 Operator : JC/MD
 Sample : Q3788-11RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16B-87.5-120525RE

Quant Time: Dec 11 00:26:40 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)

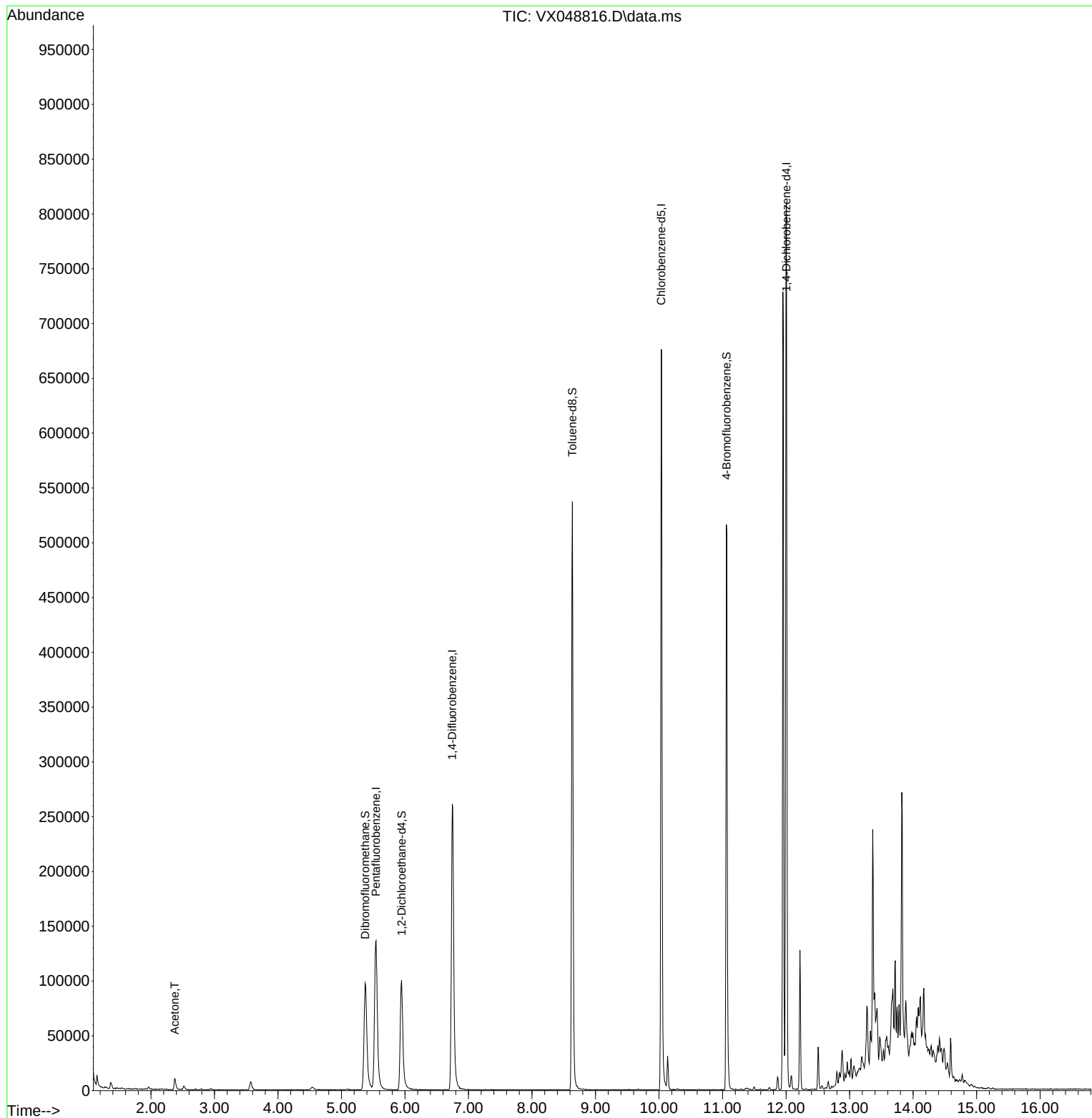
Internal Standards						
1) Pentafluorobenzene	5.544	168	145186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	297607	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	320506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	183436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	109578	56.232	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.460%
35) Dibromofluoromethane	5.373	113	97169	47.419	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.840%
50) Toluene-d8	8.634	98	341748	47.578	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.160%
62) 4-Bromofluorobenzene	11.061	95	151134	61.018	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	122.040%
Target Compounds						
16) Acetone	2.373	43	14606	19.579	ug/l	Qvalue 95

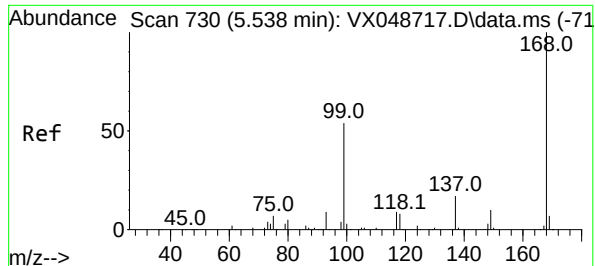
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048816.D
Acq On : 10 Dec 2025 16:54
Operator : JC/MD
Sample : Q3788-11RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525RE

Quant Time: Dec 11 00:26:40 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

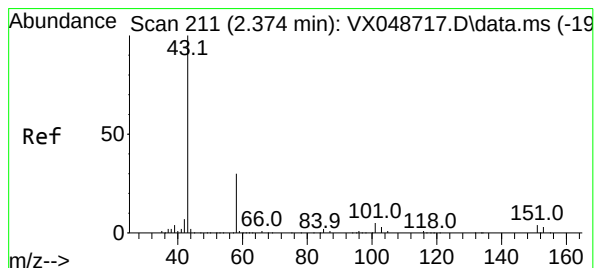
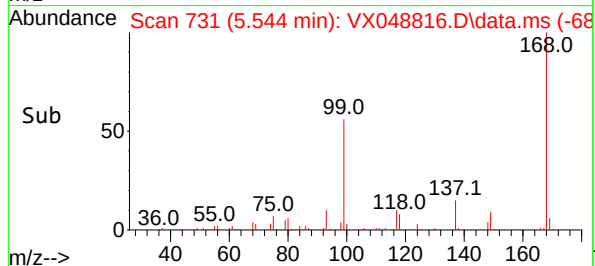
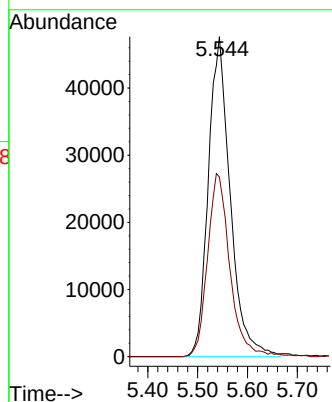
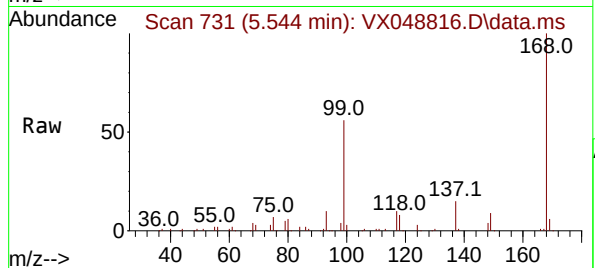




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

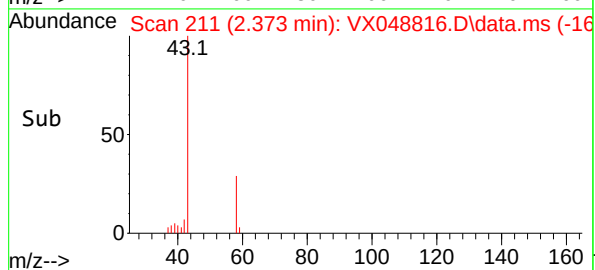
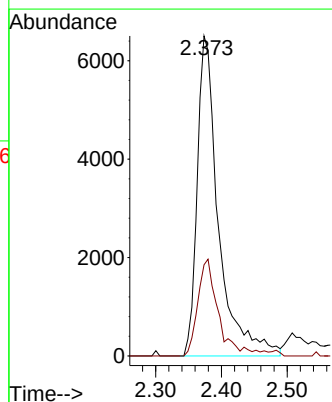
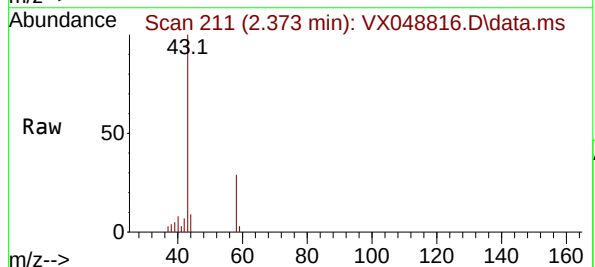
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-87.5-120525RE

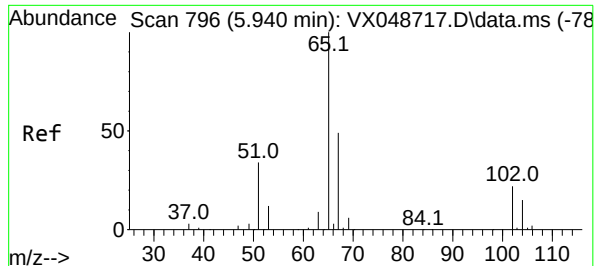
Tgt Ion:168 Resp: 145186
Ion Ratio Lower Upper
168 100
99 56.2 44.2 66.4



#16
Acetone
Concen: 19.579 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048816.D
Acq: 10 Dec 2025 16:54

Tgt Ion: 43 Resp: 14606
Ion Ratio Lower Upper
43 100
58 28.5 25.0 37.4





#33

1,2-Dichloroethane-d4

Concen: 56.232 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048816.D

Acq: 10 Dec 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

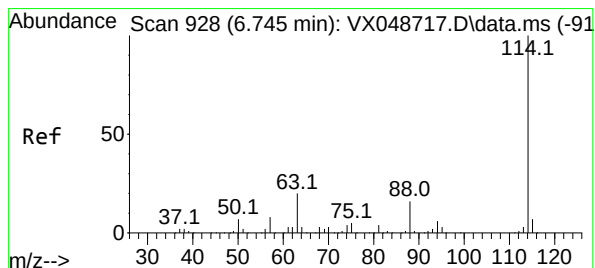
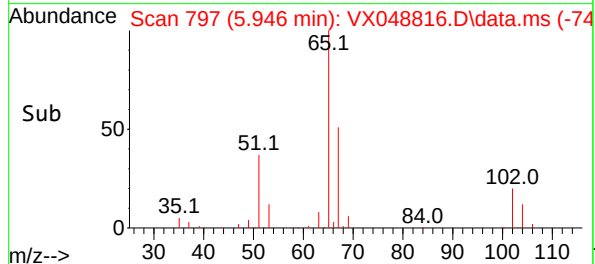
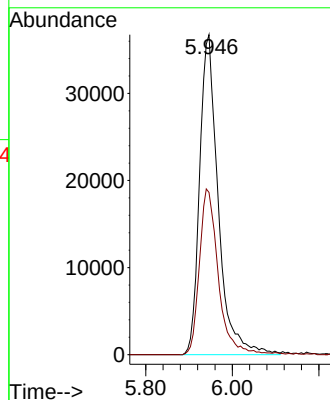
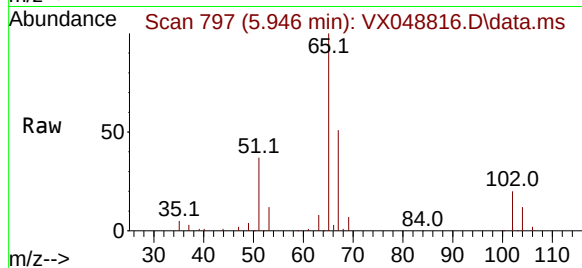
MW-16B-87.5-120525RE

Tgt Ion: 65 Resp: 109578

Ion Ratio Lower Upper

65 100

67 52.5 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: VX048816.D

Acq: 10 Dec 2025 16:54

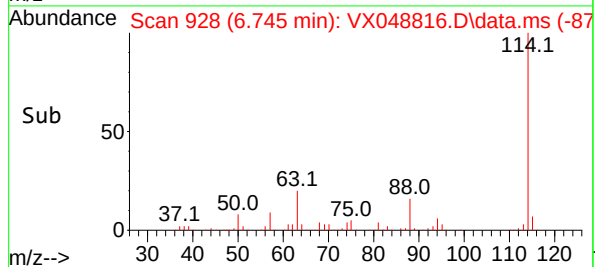
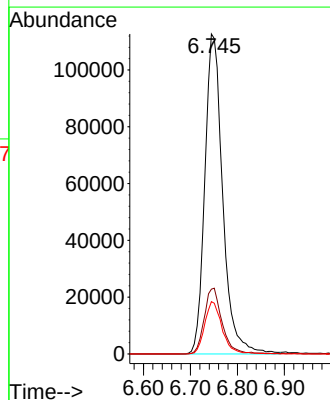
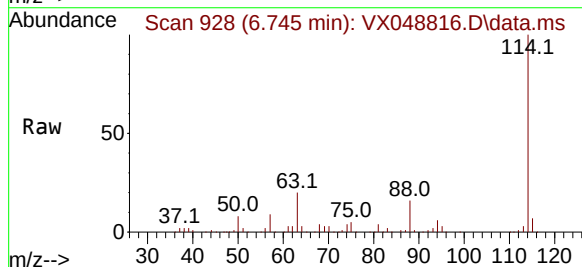
Tgt Ion: 114 Resp: 297607

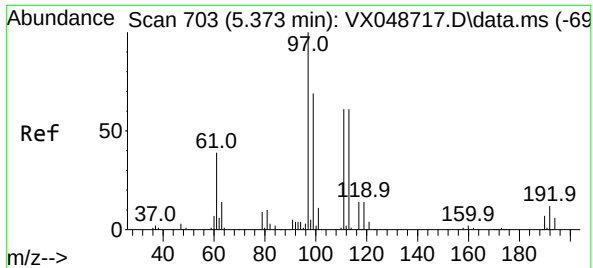
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

88 16.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.419 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048816.D

Acq: 10 Dec 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

MW-16B-87.5-120525RE

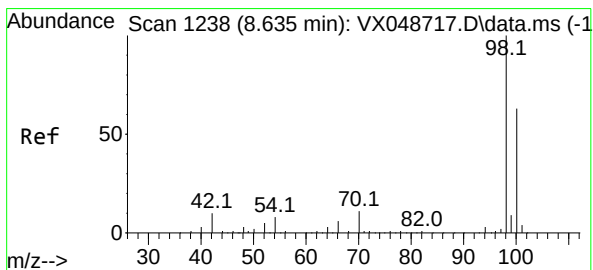
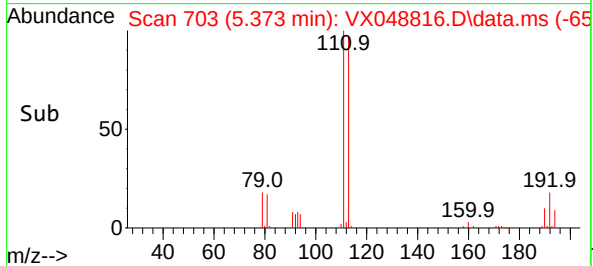
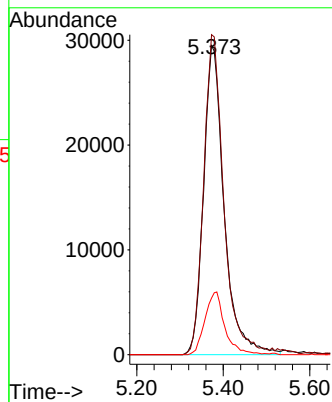
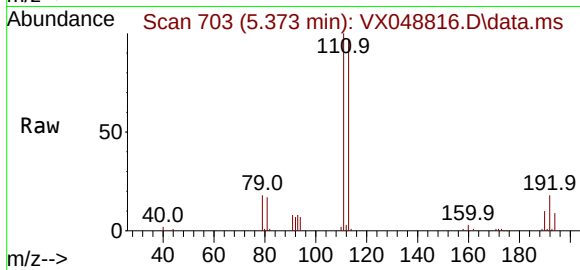
Tgt Ion:113 Resp: 97169

Ion Ratio Lower Upper

113 100

111 101.5 79.5 119.3

192 19.7 16.1 24.1



#50

Toluene-d8

Concen: 47.578 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048816.D

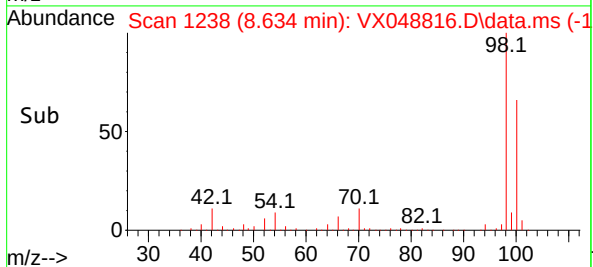
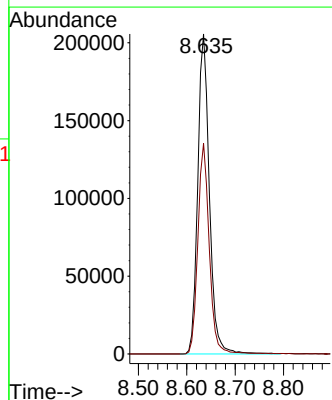
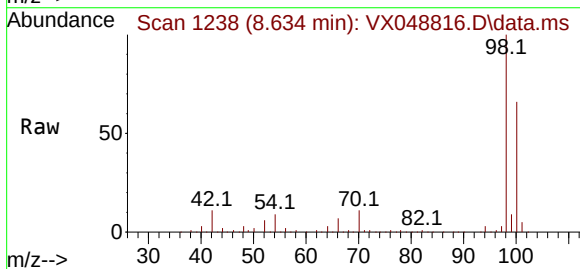
Acq: 10 Dec 2025 16:54

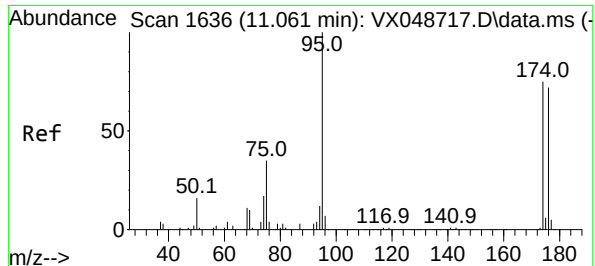
Tgt Ion: 98 Resp: 341748

Ion Ratio Lower Upper

98 100

100 64.7 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 61.018 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048816.D

Acq: 10 Dec 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

MW-16B-87.5-120525RE

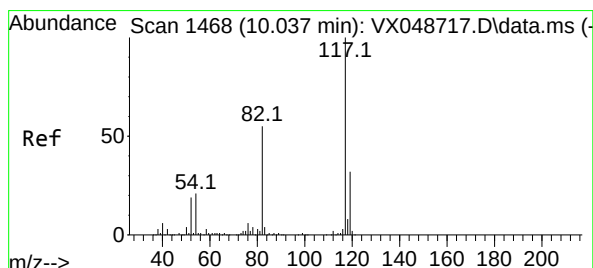
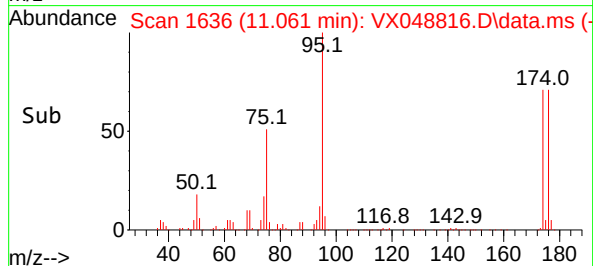
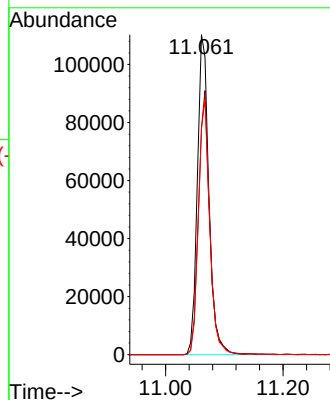
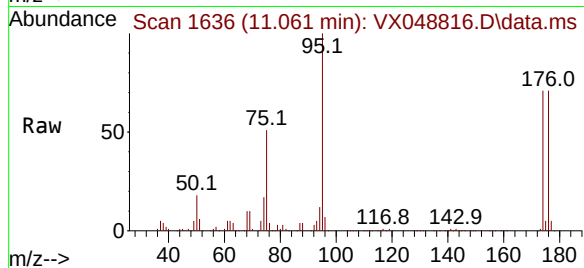
Tgt Ion: 95 Resp: 151134

Ion Ratio Lower Upper

95 100

174 79.5 0.0 157.8

176 77.9 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: VX048816.D

Acq: 10 Dec 2025 16:54

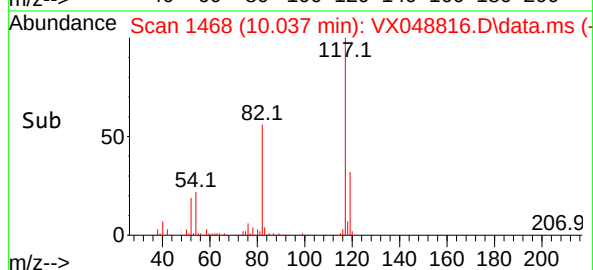
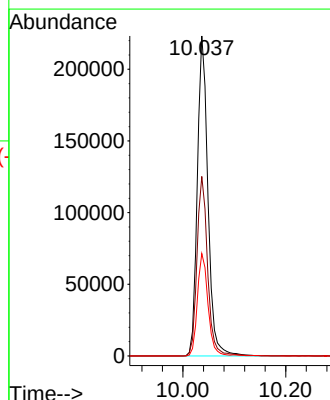
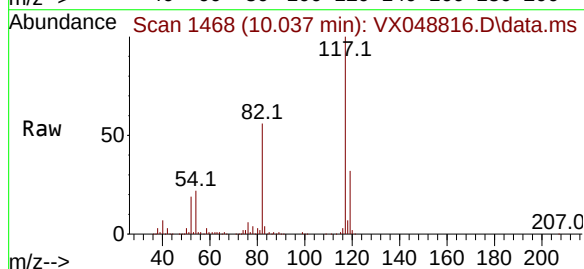
Tgt Ion: 117 Resp: 320506

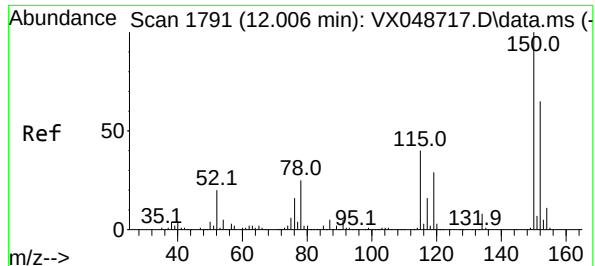
Ion Ratio Lower Upper

117 100

82 56.1 44.1 66.1

119 32.0 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048816.D

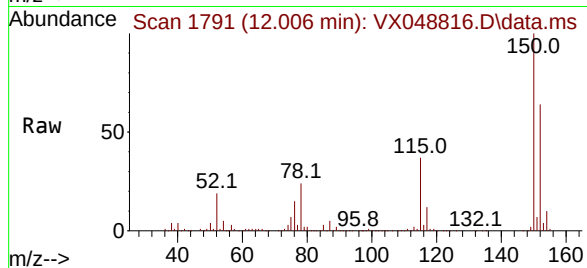
Acq: 10 Dec 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

MW-16B-87.5-120525RE



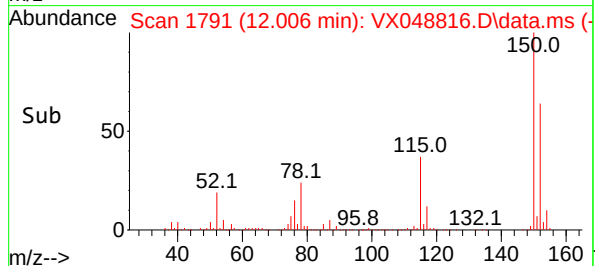
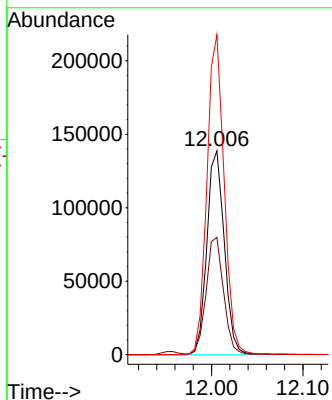
Tgt Ion:152 Resp: 183436

Ion Ratio Lower Upper

152 100

115 57.7 42.1 126.4

150 154.6 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048763.D
Acq On : 08 Dec 2025 18:02
Operator : JC/MD
Sample : Q3788-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-120525

Quant Time: Dec 09 04:14:39 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	147710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	303651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	326109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	173863	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	109857	55.412	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.820%
35) Dibromofluoromethane	5.373	113	97240	46.510	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.020%
50) Toluene-d8	8.635	98	346584	47.291	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.580%
62) 4-Bromofluorobenzene	11.061	95	148448	58.740	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.480%

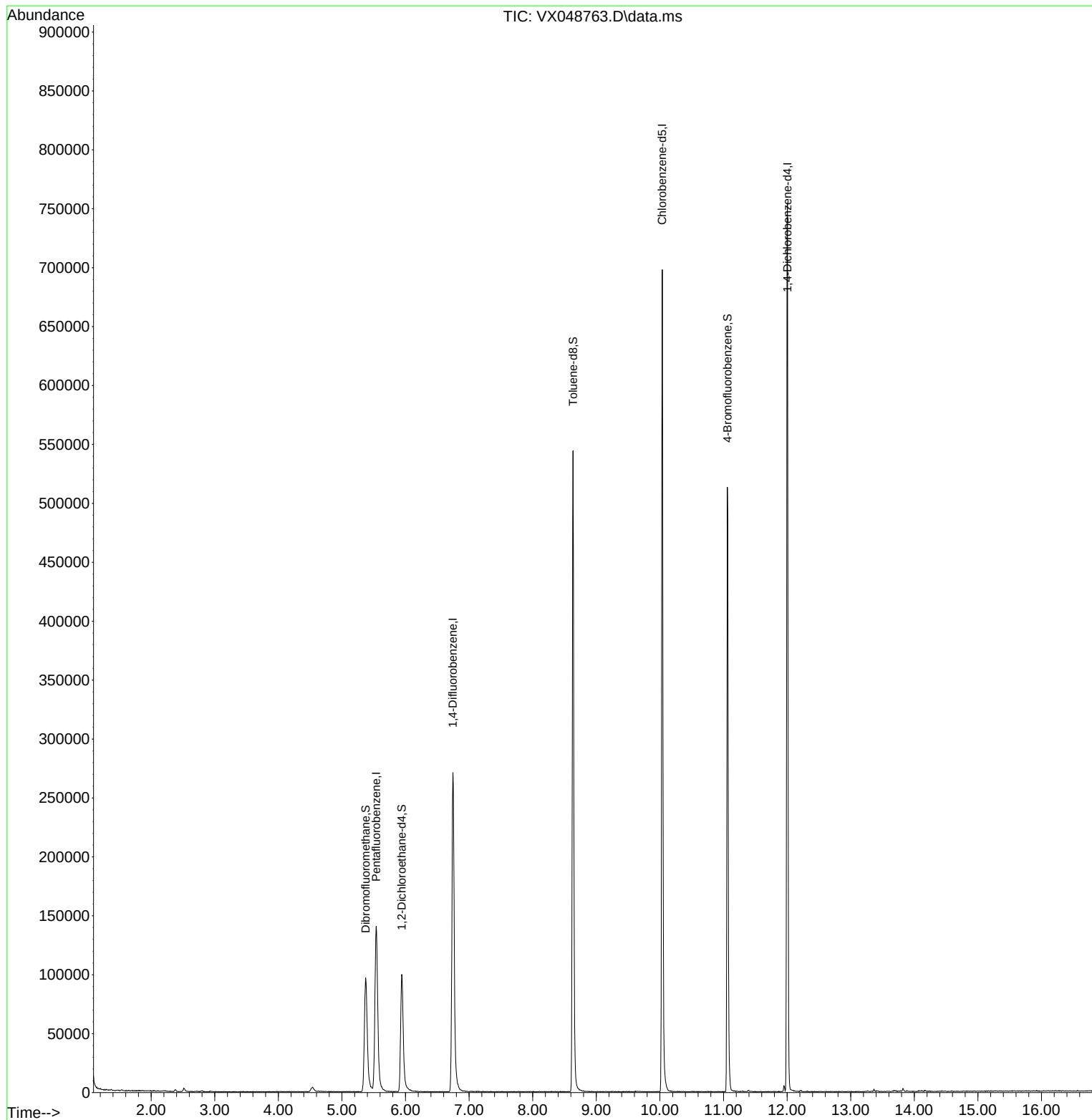
Target Compounds	Qvalue

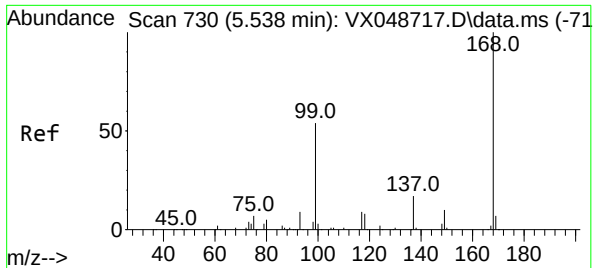
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048763.D
Acq On : 08 Dec 2025 18:02
Operator : JC/MD
Sample : Q3788-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-120525

Quant Time: Dec 09 04:14:39 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

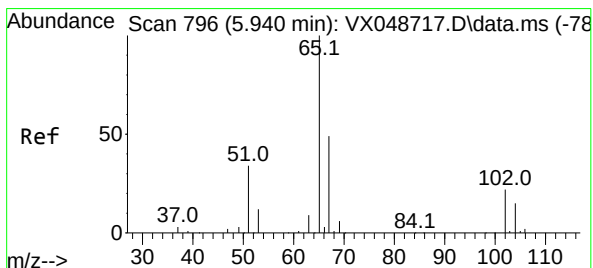
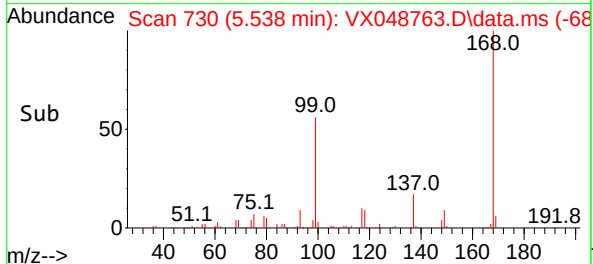
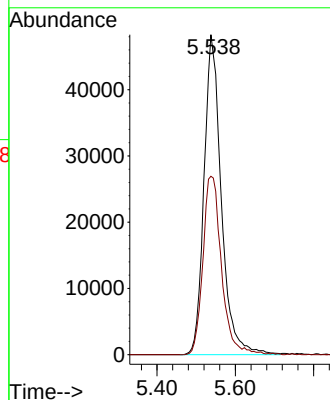
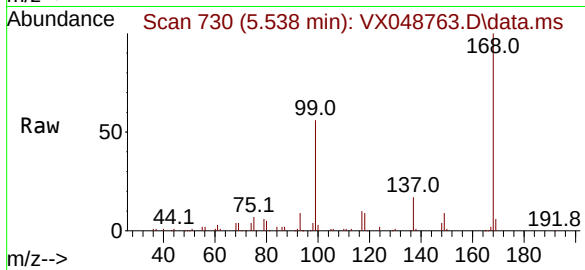




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048763.D
Acq: 08 Dec 2025 18:02

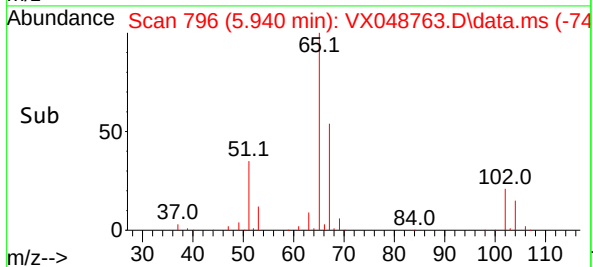
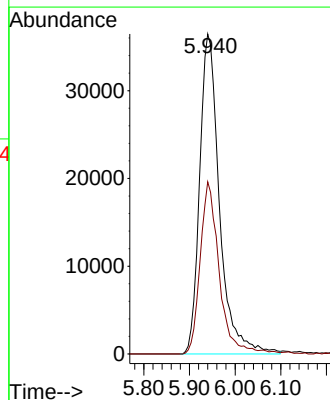
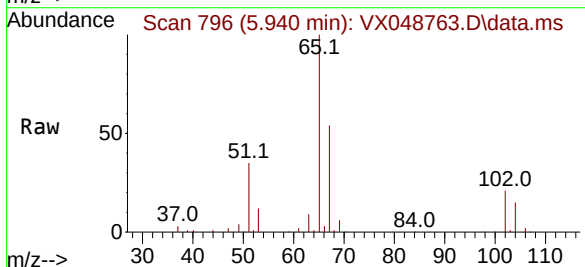
Instrument :
MSVOA_X
ClientSampleId :
TB01-120525

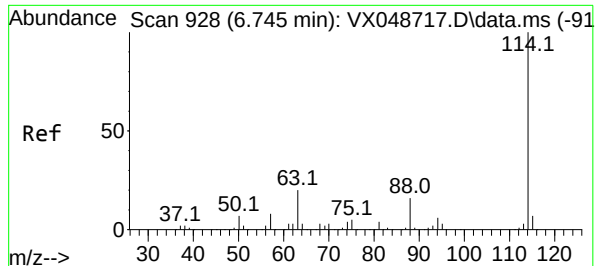
Tgt Ion:168 Resp: 147710
Ion Ratio Lower Upper
168 100
99 55.7 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 55.412 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048763.D
Acq: 08 Dec 2025 18:02

Tgt Ion: 65 Resp: 109857
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX048763.D

Acq: 08 Dec 2025 18:02

Instrument :

MSVOA_X

ClientSampleId :

TB01-120525

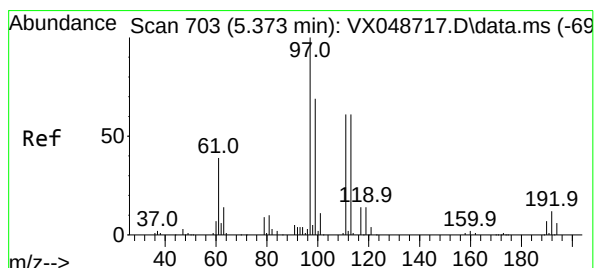
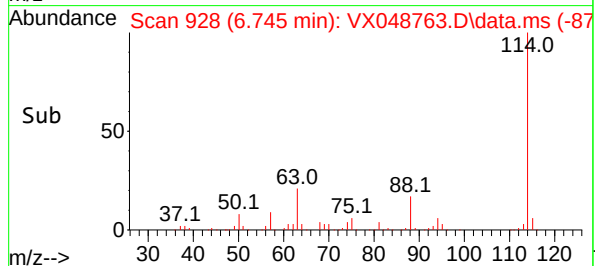
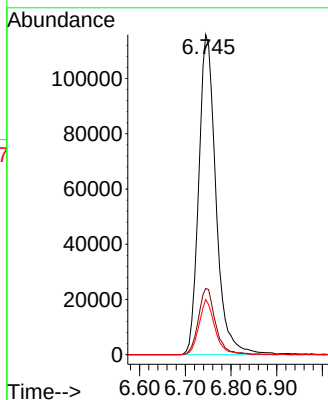
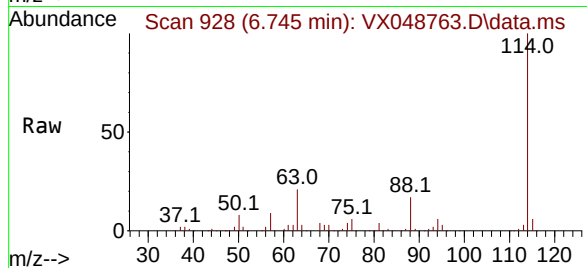
Tgt Ion:114 Resp: 303651

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

88 17.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.510 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048763.D

Acq: 08 Dec 2025 18:02

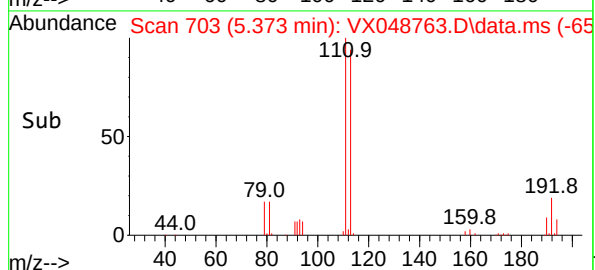
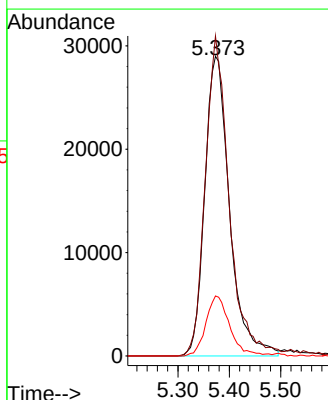
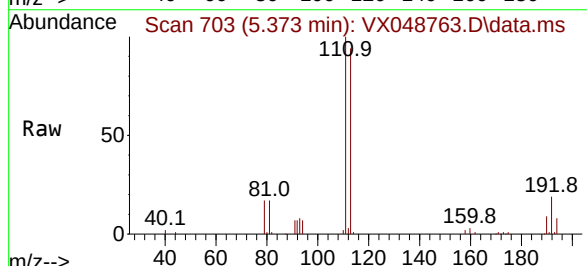
Tgt Ion:113 Resp: 97240

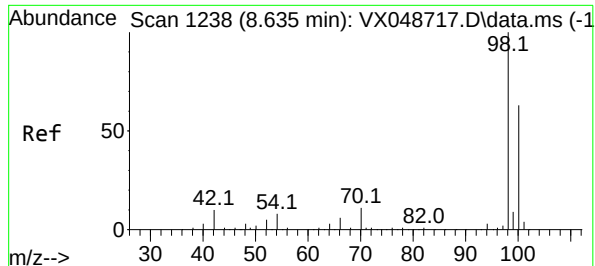
Ion Ratio Lower Upper

113 100

111 102.8 79.5 119.3

192 19.3 16.1 24.1





#50

Toluene-d8

Concen: 47.291 ug/l

RT: 8.635 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048763.D

Acq: 08 Dec 2025 18:02

Instrument :

MSVOA_X

ClientSampleId :

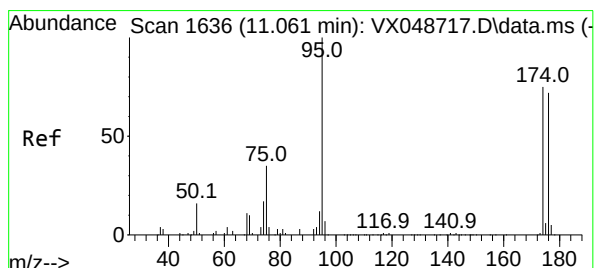
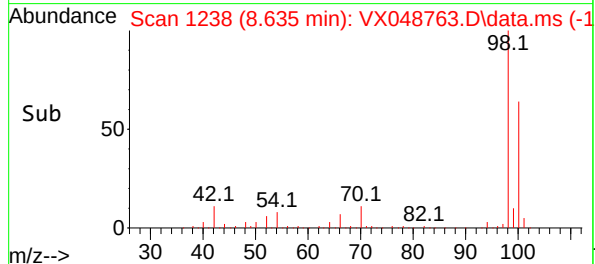
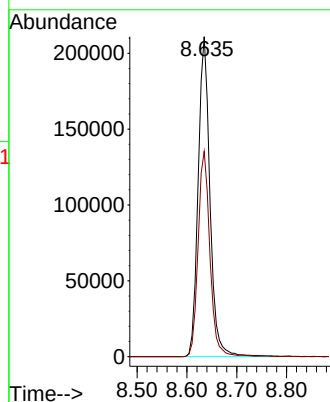
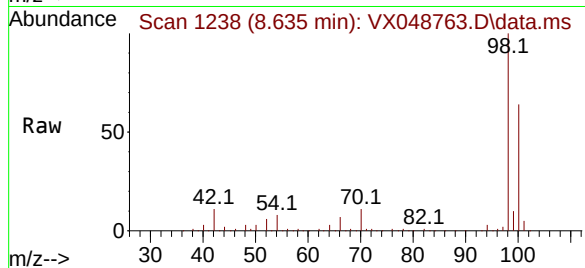
TB01-120525

Tgt Ion: 98 Resp: 346584

Ion Ratio Lower Upper

98 100

100 64.2 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 58.740 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048763.D

Acq: 08 Dec 2025 18:02

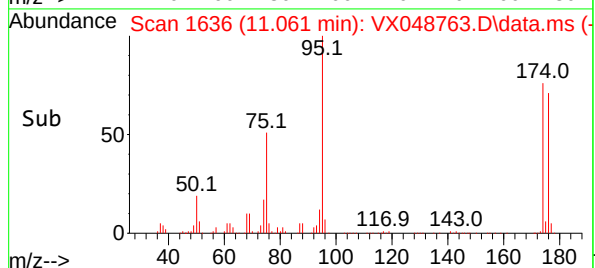
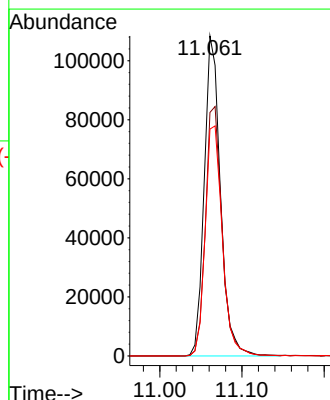
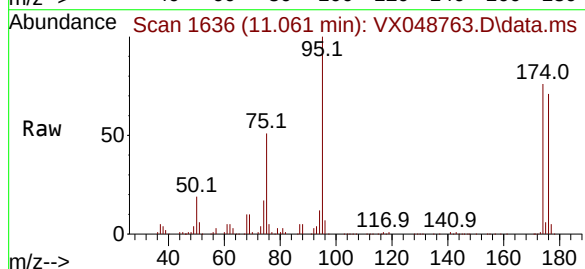
Tgt Ion: 95 Resp: 148448

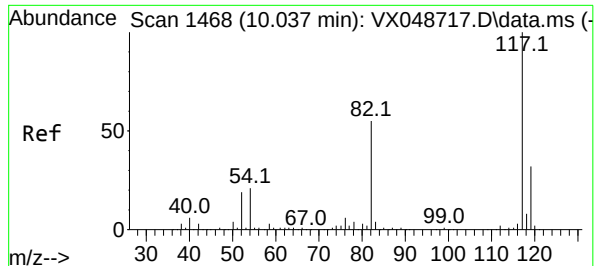
Ion Ratio Lower Upper

95 100

174 80.2 0.0 157.8

176 76.1 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: VX048763.D

Acq: 08 Dec 2025 18:02

Instrument :

MSVOA_X

ClientSampleId :

TB01-120525

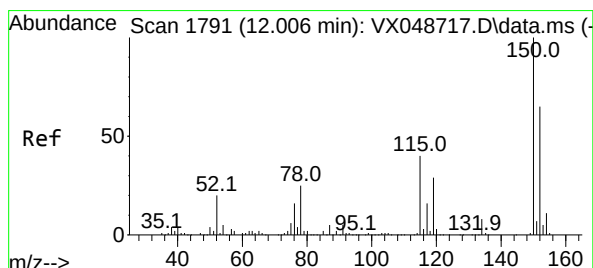
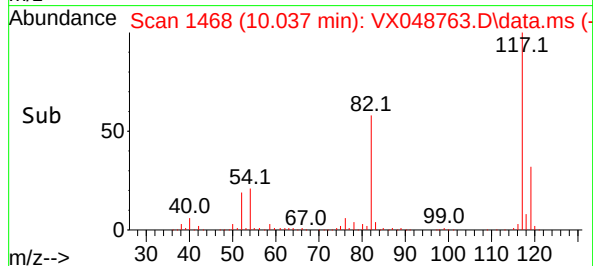
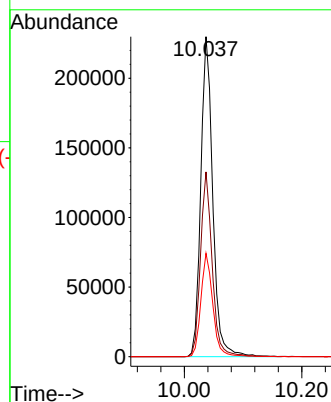
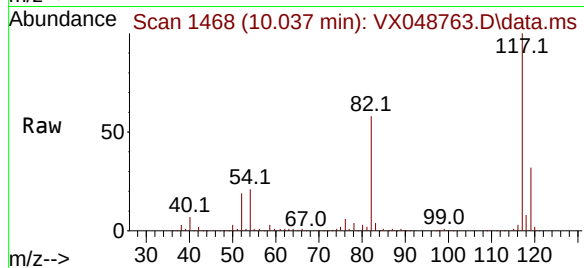
Tgt Ion:117 Resp: 326109

Ion Ratio Lower Upper

117 100

82 57.8 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: VX048763.D

Acq: 08 Dec 2025 18:02

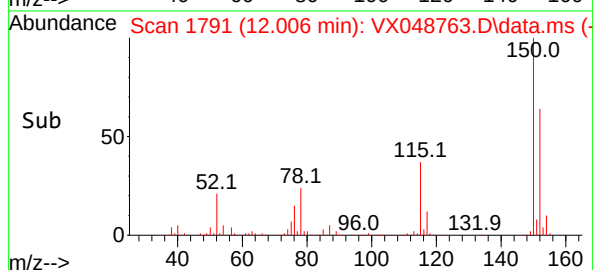
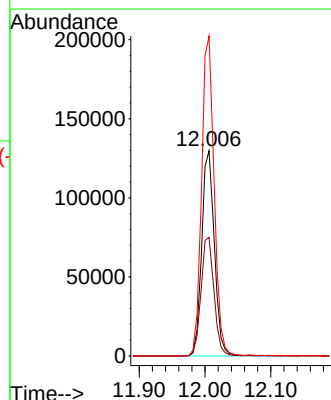
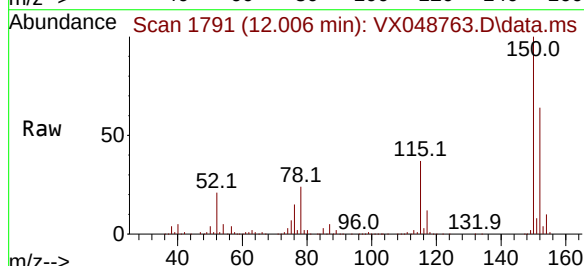
Tgt Ion:152 Resp: 173863

Ion Ratio Lower Upper

152 100

115 59.2 42.1 126.4

150 154.1 0.0 347.8



5

A

B

C

D

E

F

G

H

I

J

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%

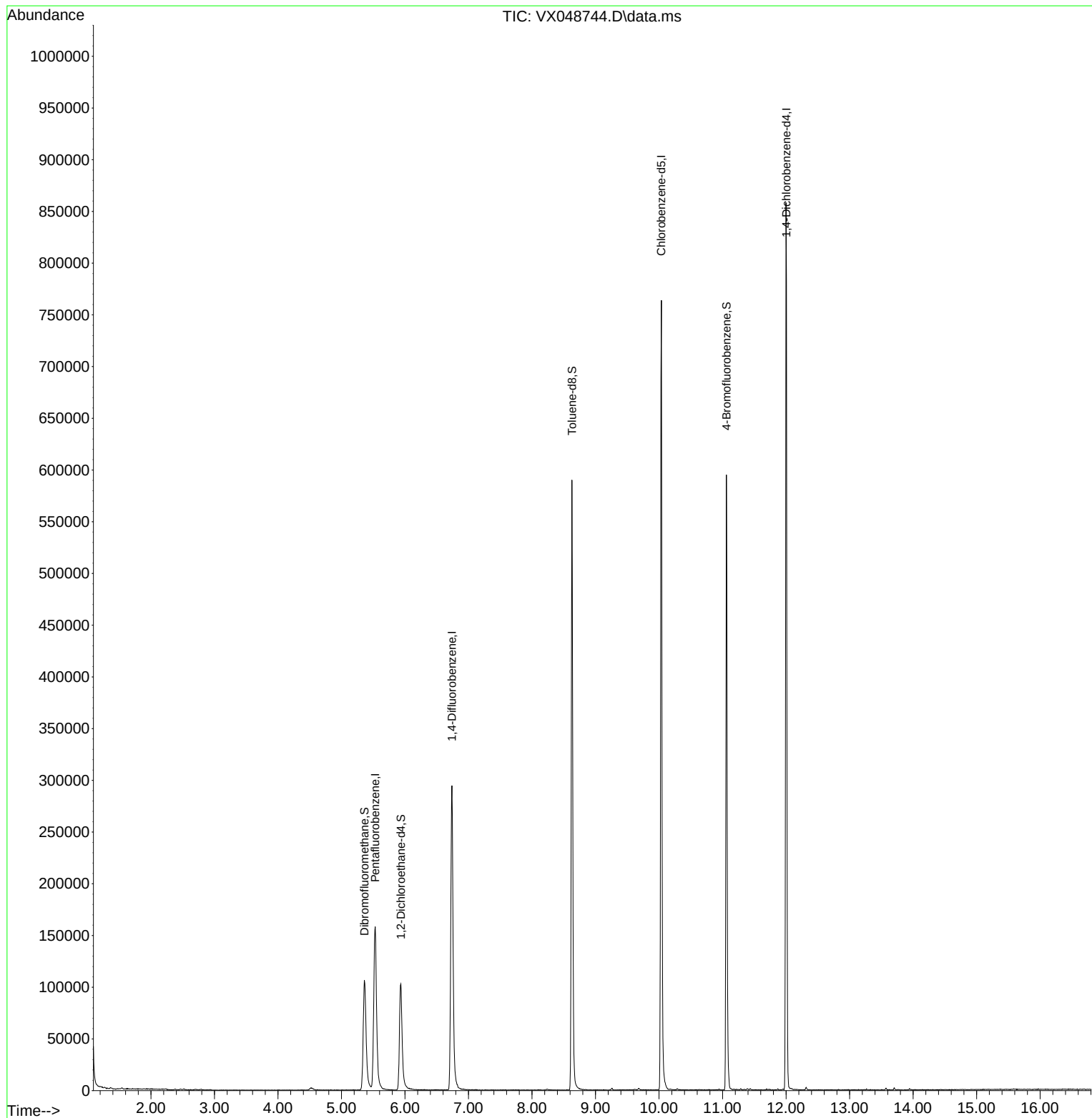
Target Compounds	Qvalue

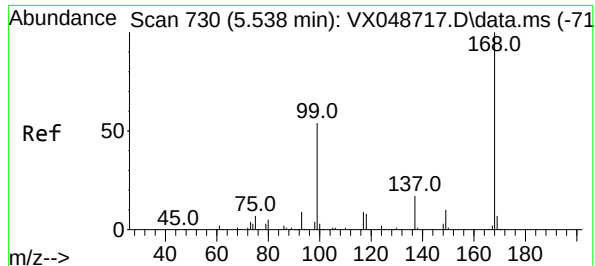
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

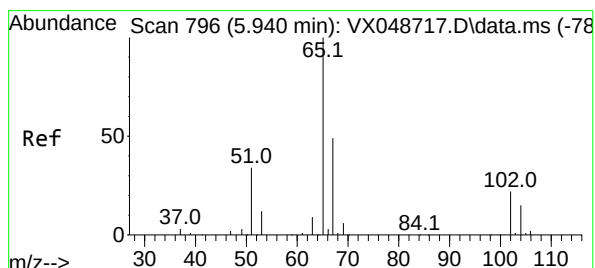
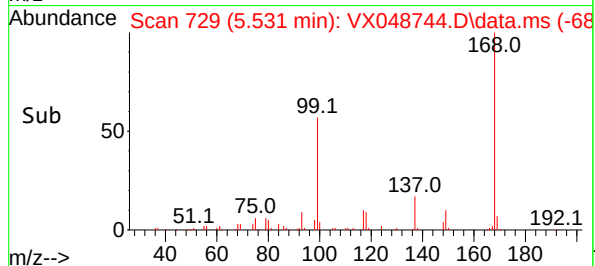
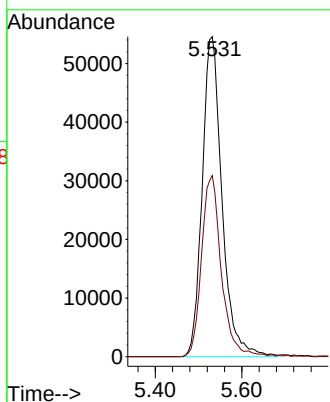
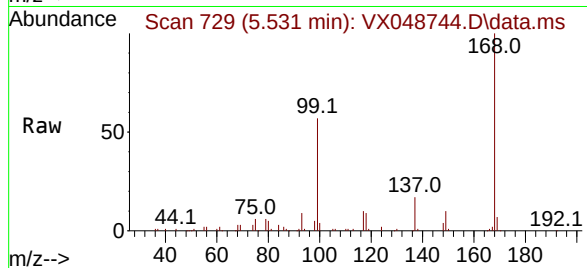




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

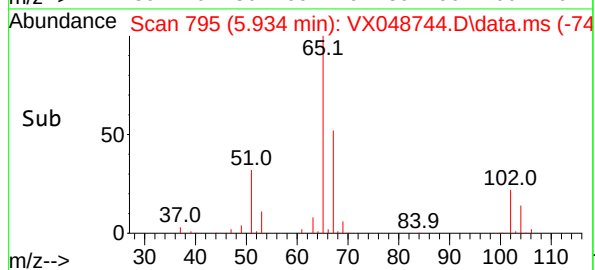
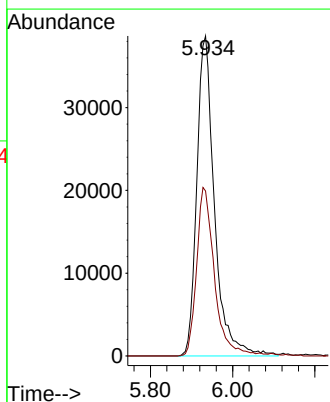
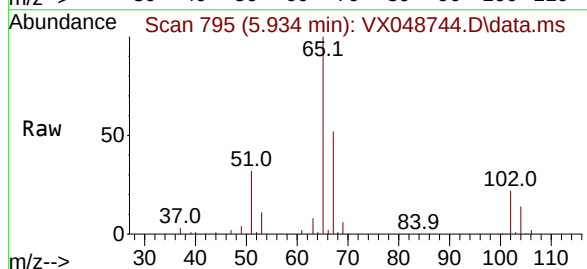
Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

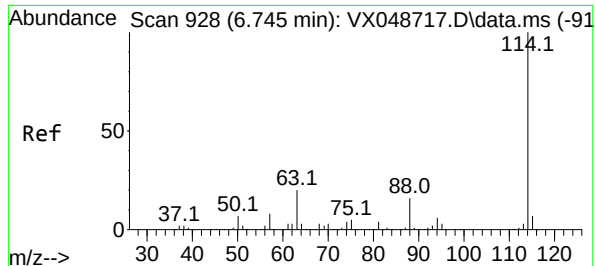
Tgt Ion:168 Resp: 173343
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

VX1208WBL01

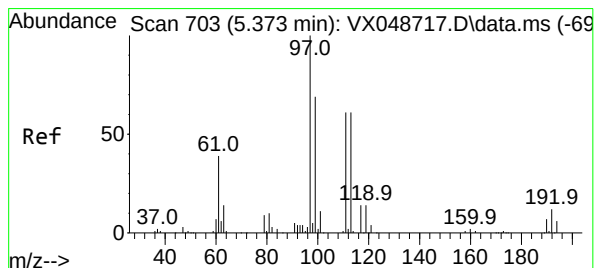
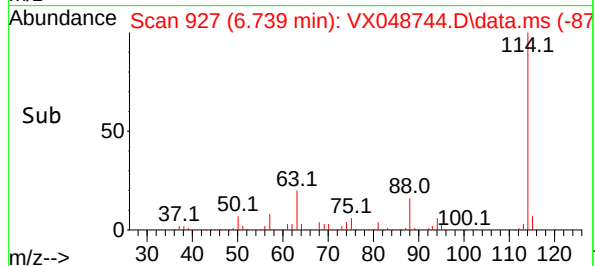
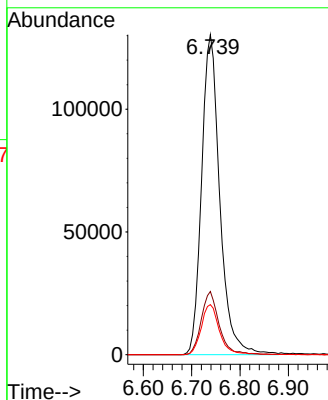
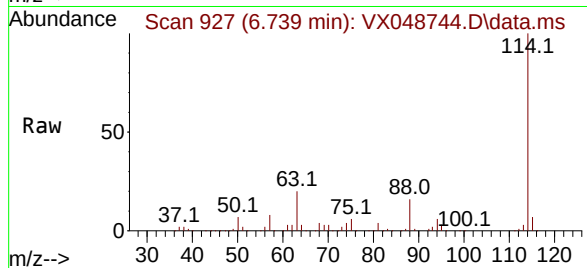
Tgt Ion:114 Resp: 340953

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

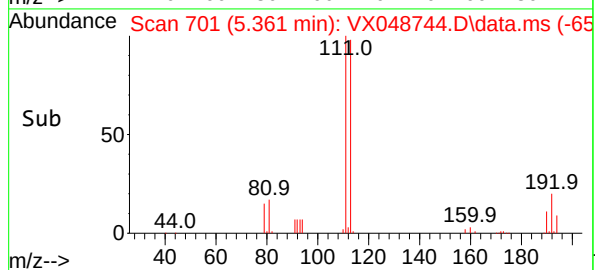
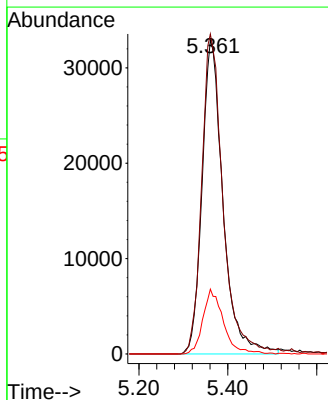
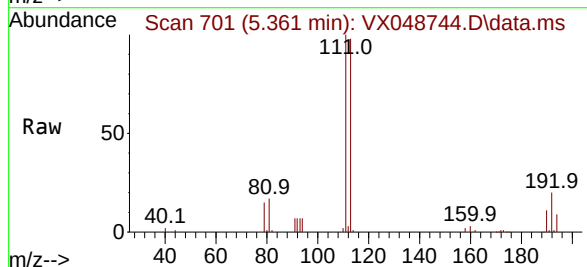
Tgt Ion:113 Resp: 107991

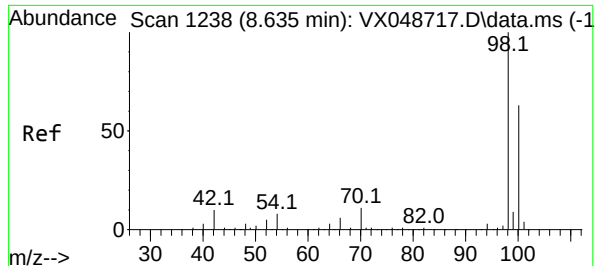
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

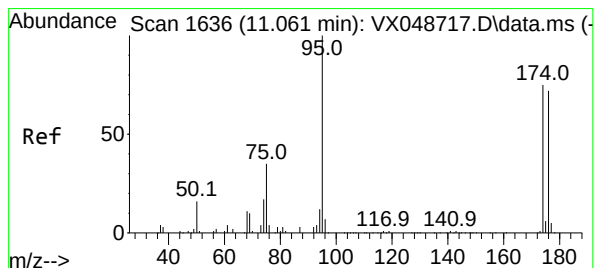
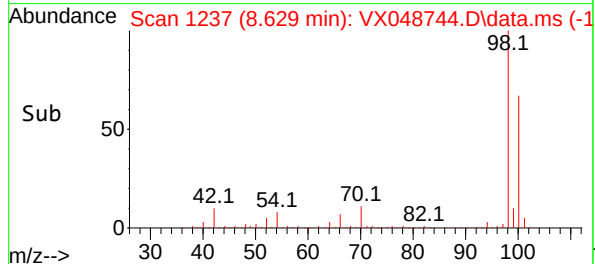
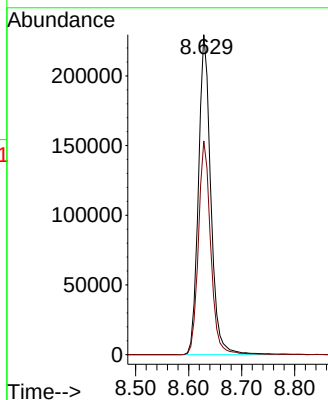
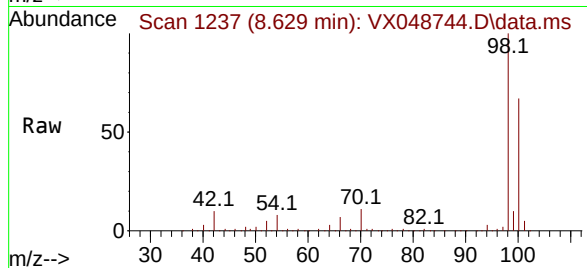
VX1208WBL01

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

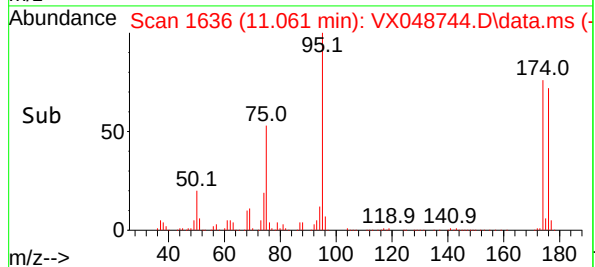
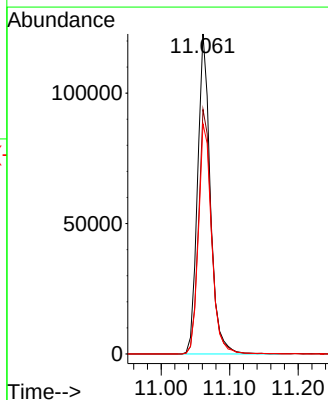
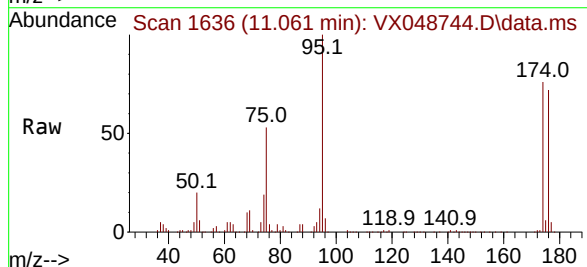
Tgt Ion: 95 Resp: 158378

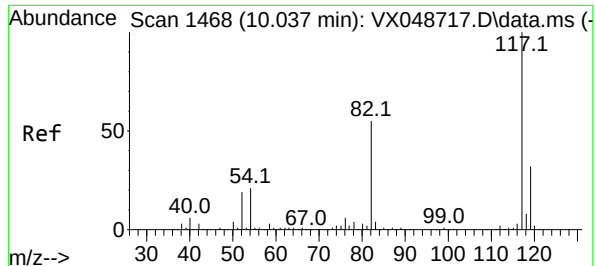
Ion Ratio Lower Upper

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# 1468

Delta R.T. -0.000 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

VX1208WBL01

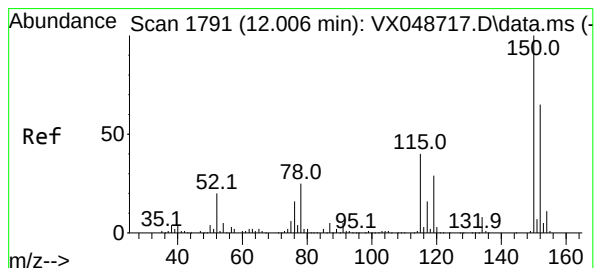
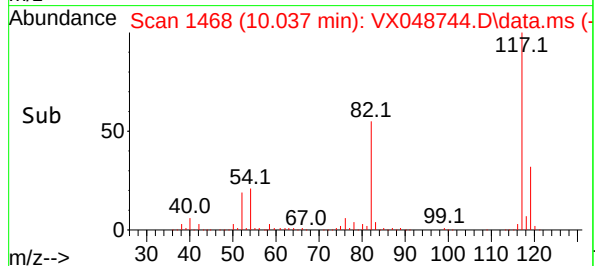
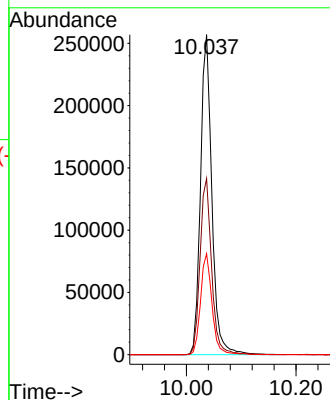
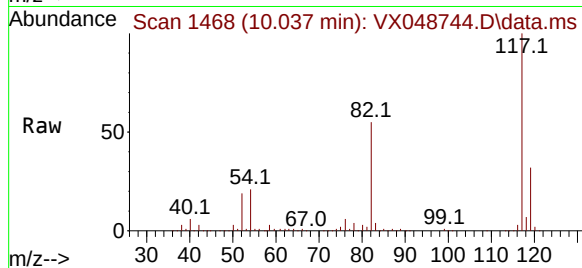
Tgt Ion:117 Resp: 370451

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

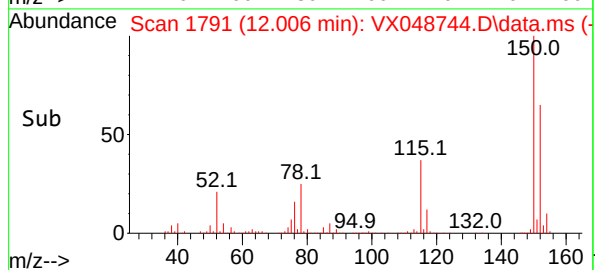
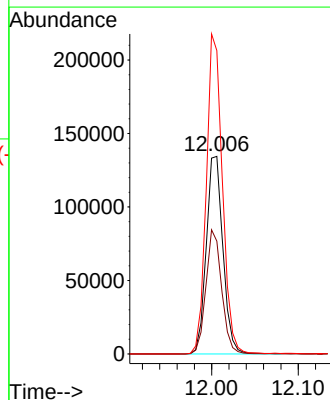
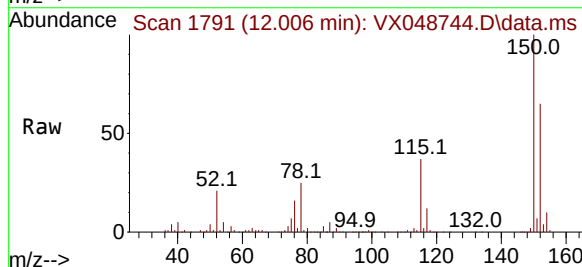
Tgt Ion:152 Resp: 179749

Ion Ratio Lower Upper

152 100

115 59.4 42.1 126.4

150 155.9 0.0 347.8



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
Data File : VX048769.D
Acq On : 09 Dec 2025 09:46
Operator : JC/MD
Sample : VX1209WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

Quant Time: Dec 10 00:13:22 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	129302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	266304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	149395	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	97271	56.049	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.100%
35) Dibromofluoromethane	5.373	113	83404	45.486	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.980%
50) Toluene-d8	8.635	98	299705	46.630	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.260%
62) 4-Bromofluorobenzene	11.061	95	127733	57.632	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.260%

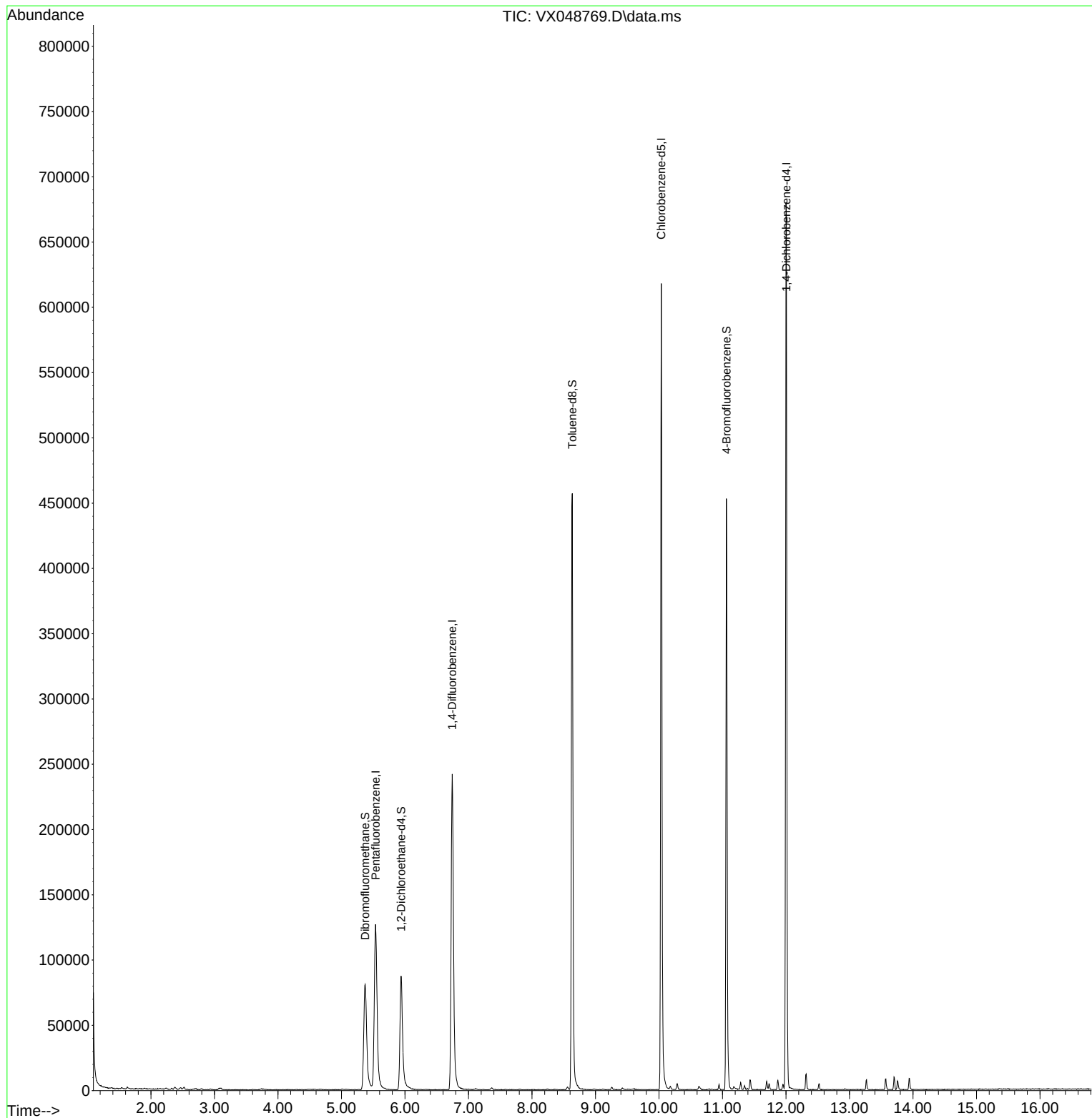
Target Compounds	Qvalue

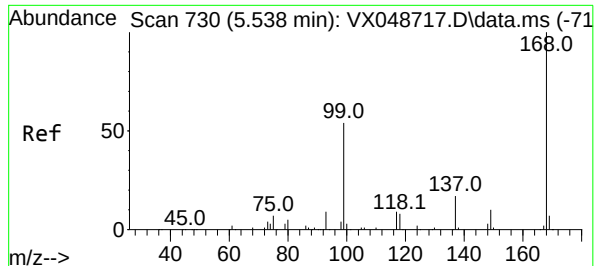
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
Data File : VX048769.D
Acq On : 09 Dec 2025 09:46
Operator : JC/MD
Sample : VX1209WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

Quant Time: Dec 10 00:13:22 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

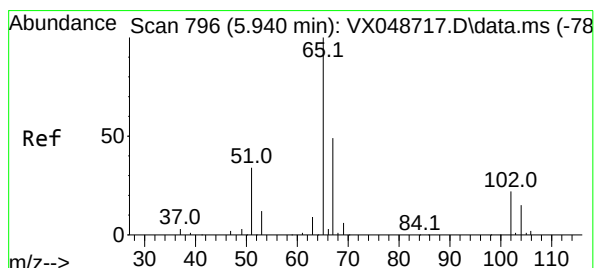
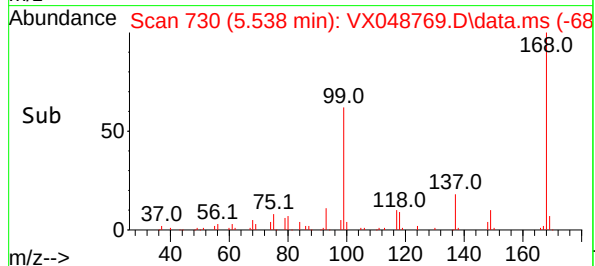
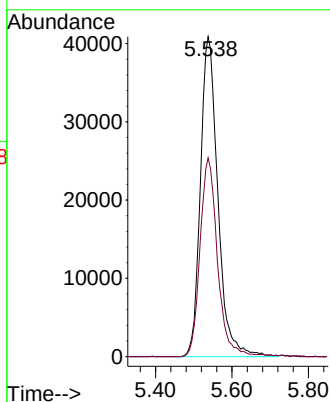
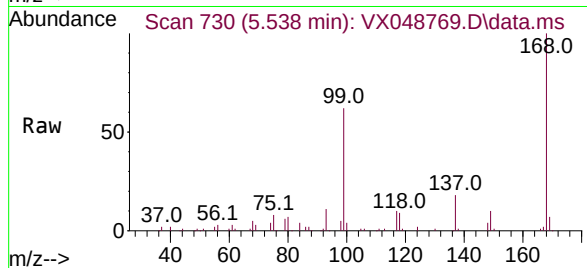




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.000 min
Lab File: VX048769.D
Acq: 09 Dec 2025 09:46

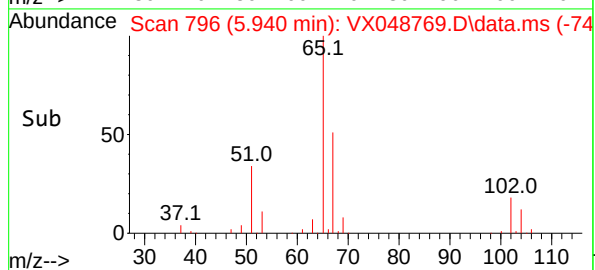
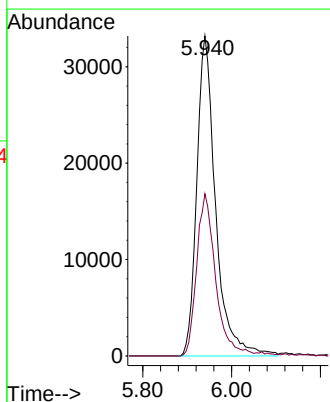
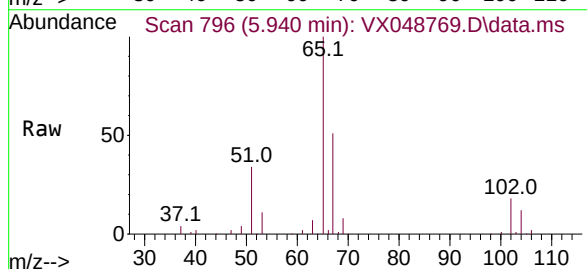
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

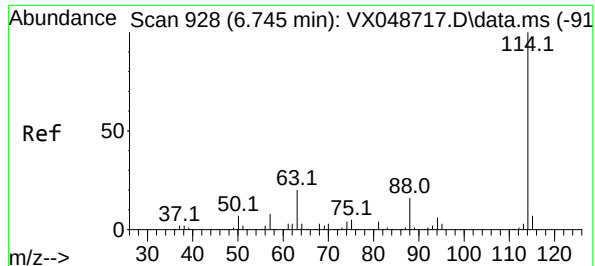
Tgt Ion:168 Resp: 129302
Ion Ratio Lower Upper
168 100
99 62.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 56.049 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048769.D
Acq: 09 Dec 2025 09:46

Tgt Ion: 65 Resp: 97271
Ion Ratio Lower Upper
65 100
67 51.0 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048769.D

Acq: 09 Dec 2025 09:46

Instrument :

MSVOA_X

ClientSampleId :

VX1209WBL01

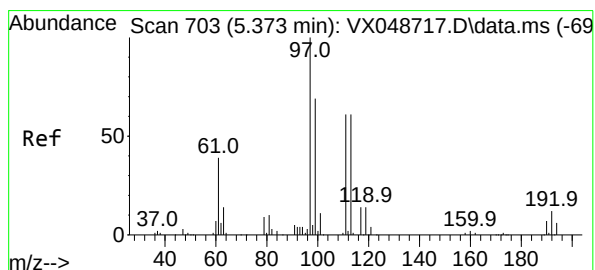
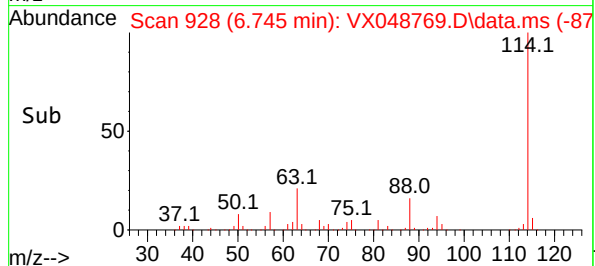
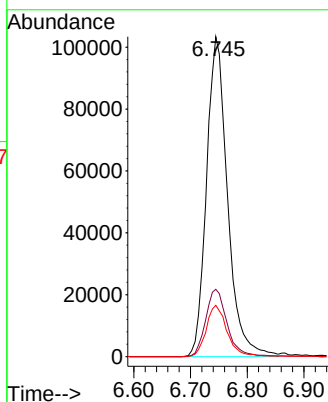
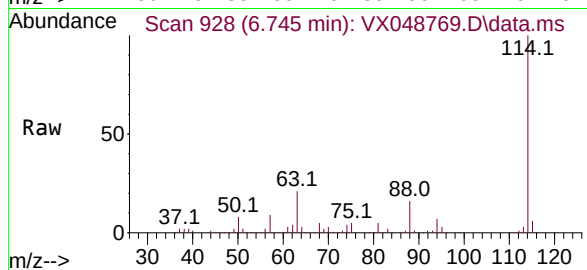
Tgt Ion:114 Resp: 266304

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.0

88 16.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.486 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048769.D

Acq: 09 Dec 2025 09:46

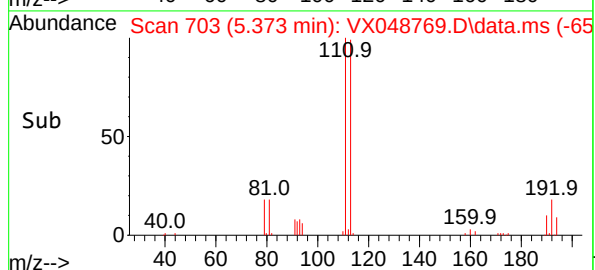
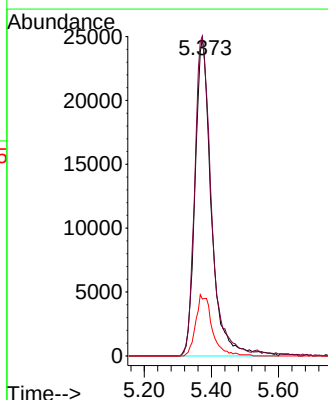
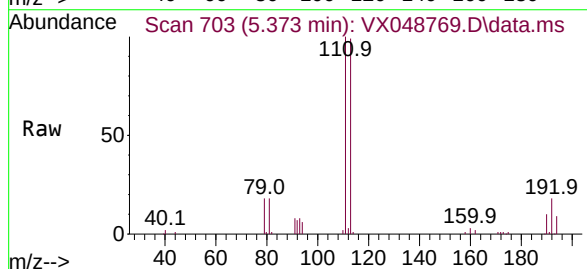
Tgt Ion:113 Resp: 83404

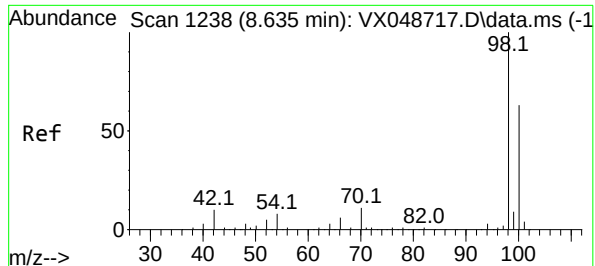
Ion Ratio Lower Upper

113 100

111 102.6 79.5 119.3

192 19.4 16.1 24.1





#50

Toluene-d8

Concen: 46.630 ug/l

RT: 8.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048769.D

Acq: 09 Dec 2025 09:46

Instrument :

MSVOA_X

ClientSampleId :

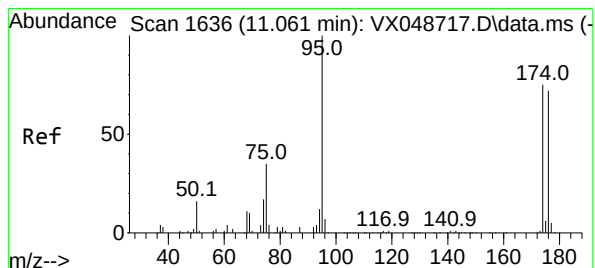
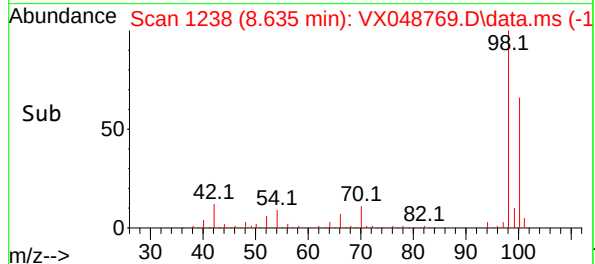
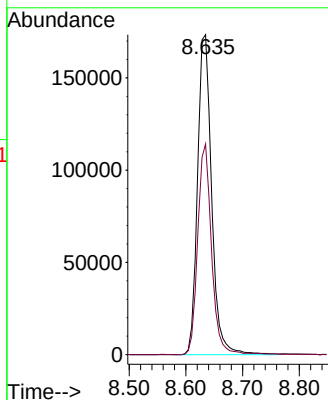
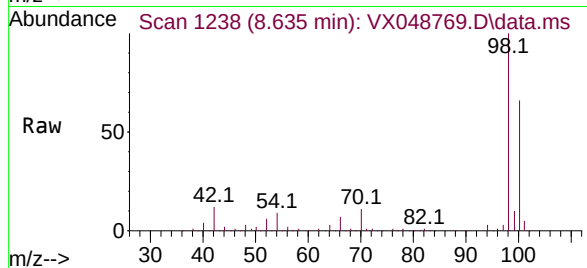
VX1209WBL01

Tgt Ion: 98 Resp: 299705

Ion Ratio Lower Upper

98 100

100 64.6 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 57.632 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048769.D

Acq: 09 Dec 2025 09:46

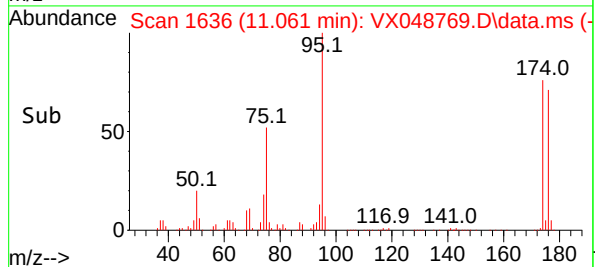
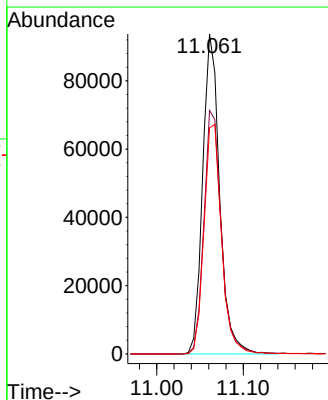
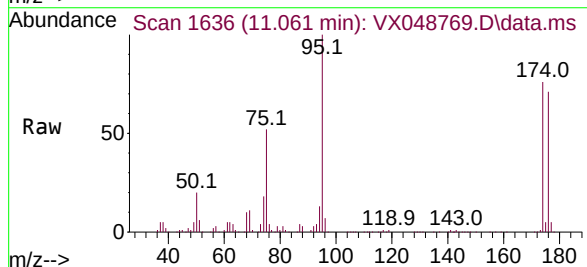
Tgt Ion: 95 Resp: 127733

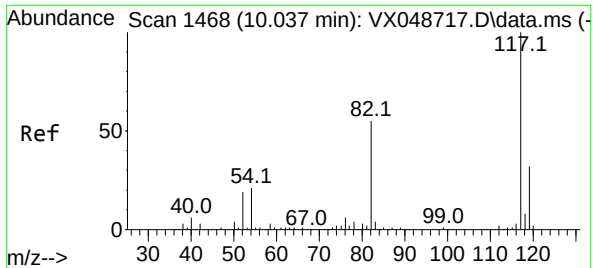
Ion Ratio Lower Upper

95 100

174 77.9 0.0 157.8

176 74.2 0.0 154.0

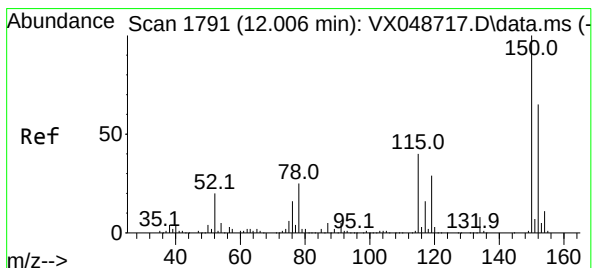
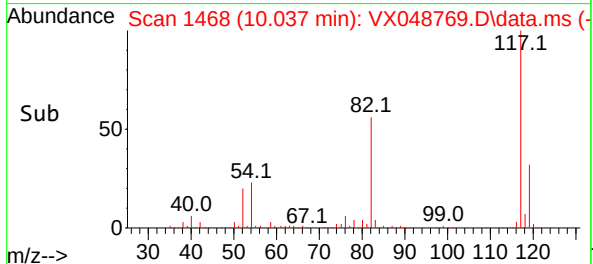
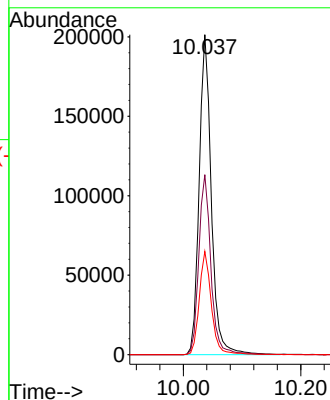
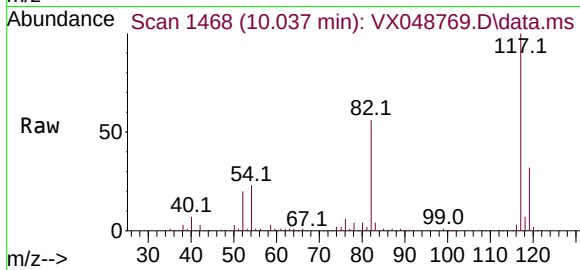




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048769.D
Acq: 09 Dec 2025 09:46

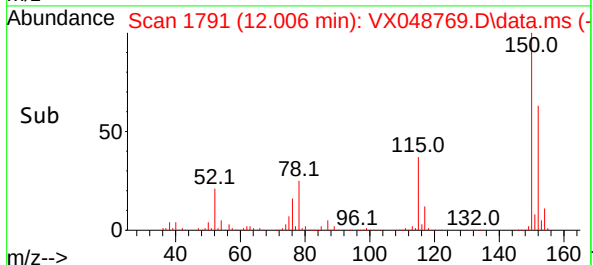
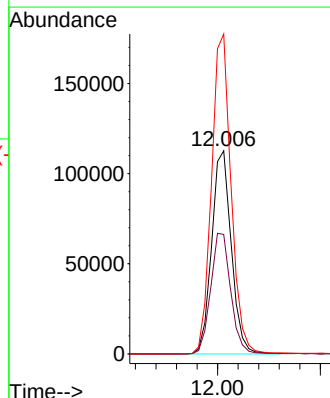
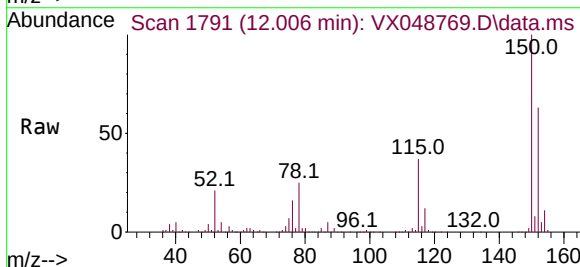
Instrument :
MSVOA_X
ClientSampleId :
VX1209WBL01

Tgt Ion:117 Resp: 288359
Ion Ratio Lower Upper
117 100
82 56.2 44.1 66.1
119 32.2 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: VX048769.D
Acq: 09 Dec 2025 09:46

Tgt Ion:152 Resp: 149395
Ion Ratio Lower Upper
152 100
115 60.6 42.1 126.4
150 157.9 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048797.D
Acq On : 10 Dec 2025 10:10
Operator : JC/MD
Sample : VX1210WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Quant Time: Dec 11 00:18:16 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	5.525	168	143182	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	288257	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	306883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	162084	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	98828	51.426	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.860%
35) Dibromofluoromethane	5.367	113	89655	45.172	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.340%
50) Toluene-d8	8.628	98	324876	46.696	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.400%
62) 4-Bromofluorobenzene	11.061	95	137328	57.242	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.480%

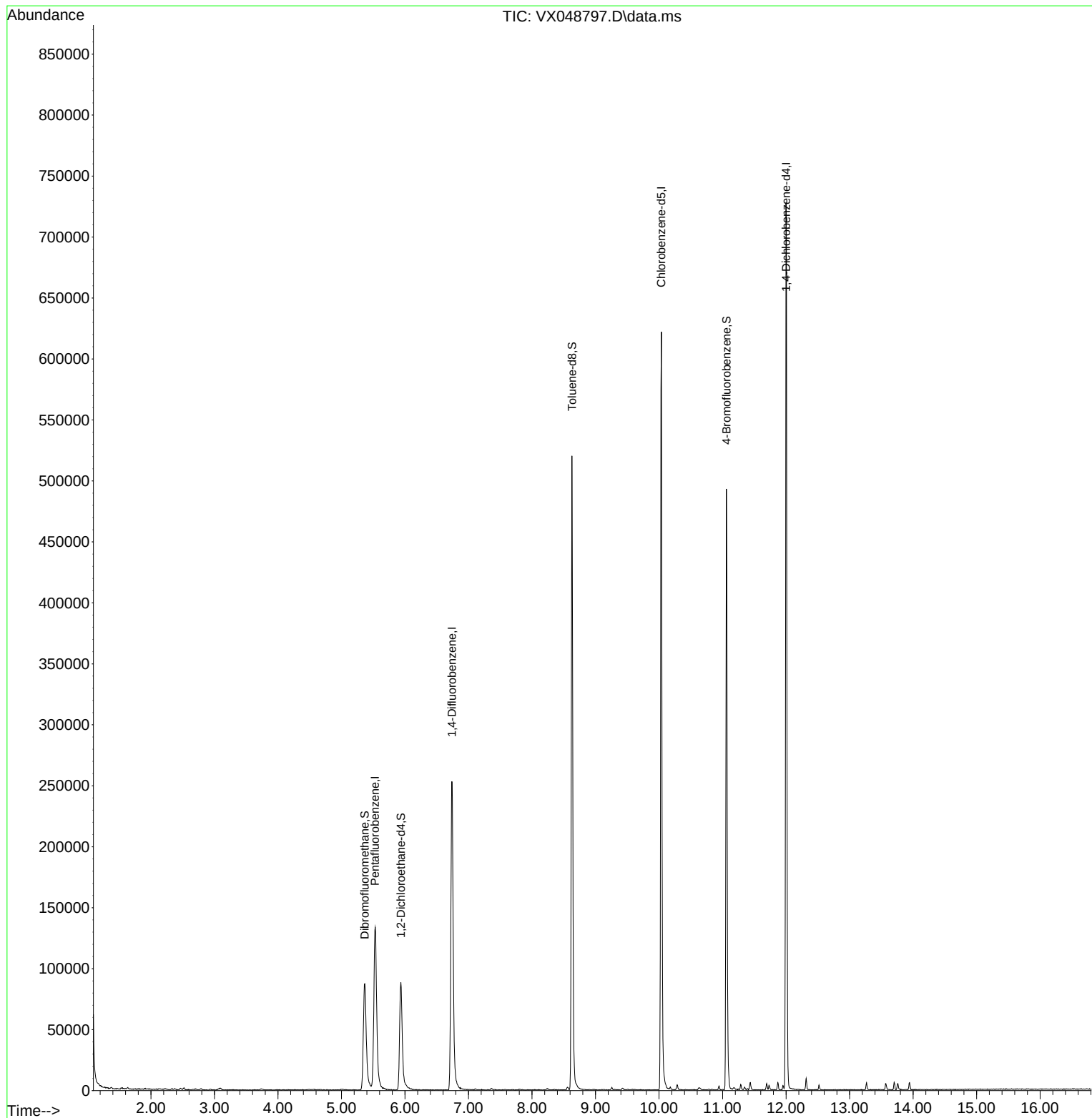
Target Compounds	Qvalue

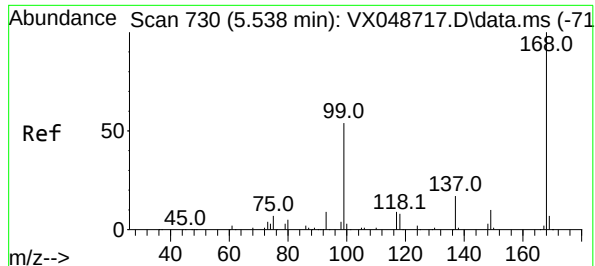
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048797.D
Acq On : 10 Dec 2025 10:10
Operator : JC/MD
Sample : VX1210WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Quant Time: Dec 11 00:18:16 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: 5.525 min Scan# 71

Delta R.T. -0.013 min

Lab File: VX048797.D

Acq: 10 Dec 2025 10:10

Instrument :

MSVOA_X

ClientSampleId :

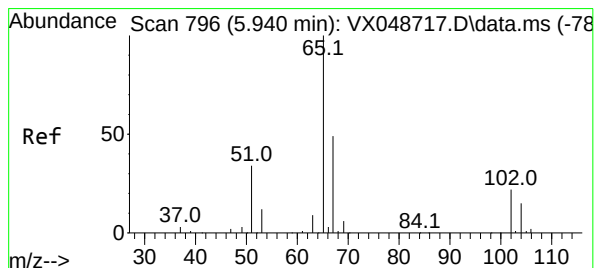
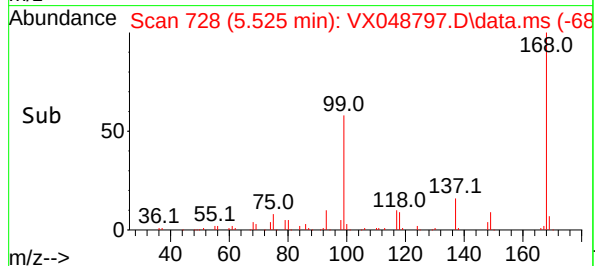
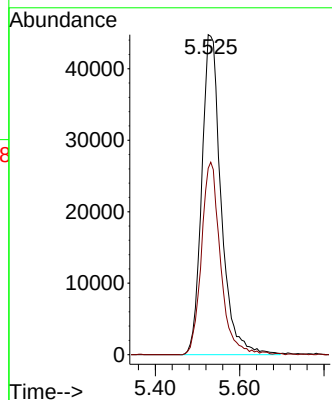
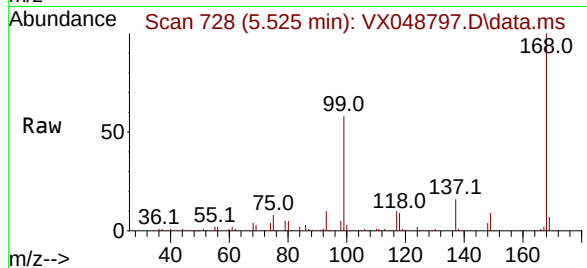
VX1210WBL01

Tgt Ion:168 Resp: 143182

Ion Ratio Lower Upper

168 100

99 58.2 44.2 66.4



#33

1,2-Dichloroethane-d4

Concen: 51.426 ug/l

RT: 5.934 min Scan# 795

Delta R.T. -0.006 min

Lab File: VX048797.D

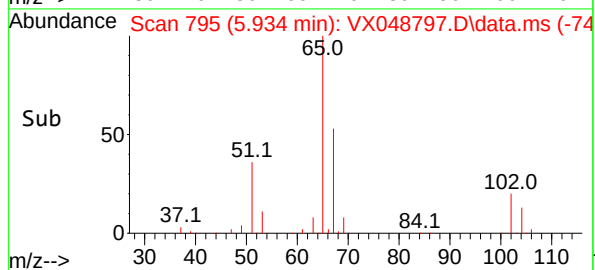
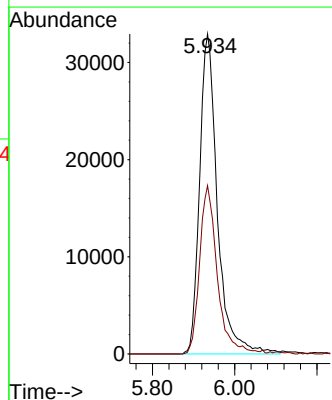
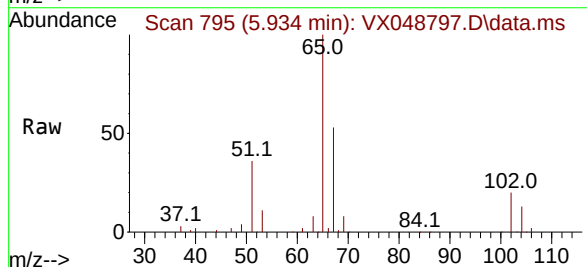
Acq: 10 Dec 2025 10:10

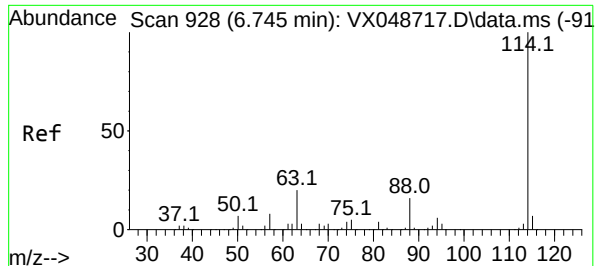
Tgt Ion: 65 Resp: 98828

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX048797.D

Acq: 10 Dec 2025 10:10

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL01

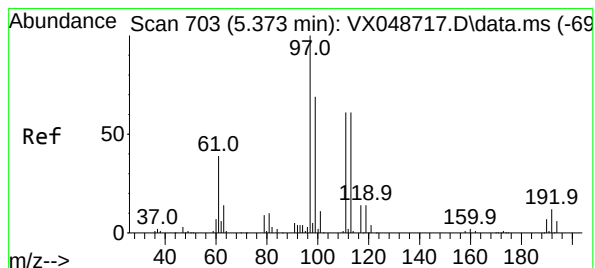
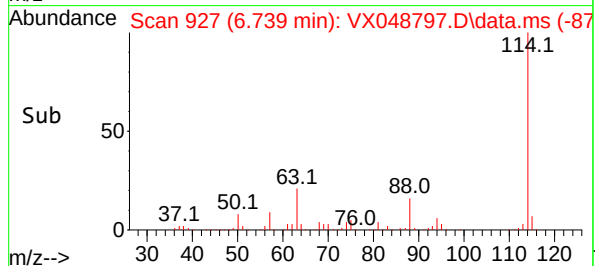
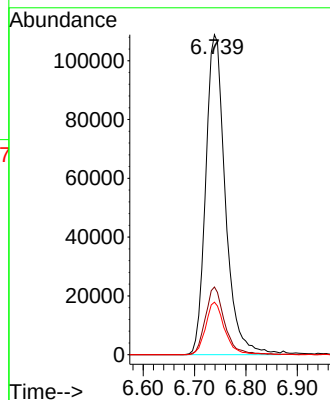
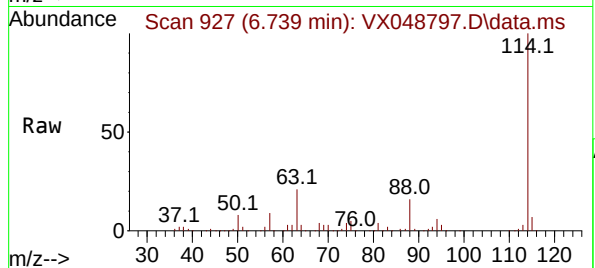
Tgt Ion:114 Resp: 288257

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.0

88 16.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.172 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX048797.D

Acq: 10 Dec 2025 10:10

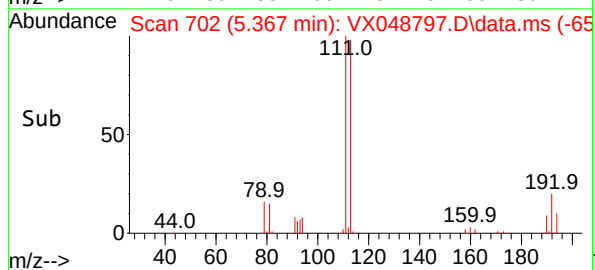
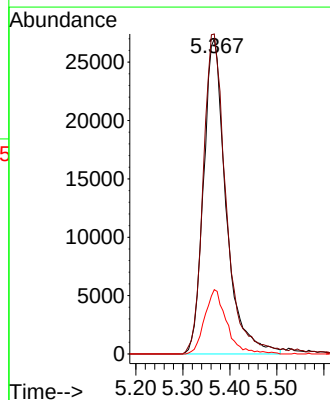
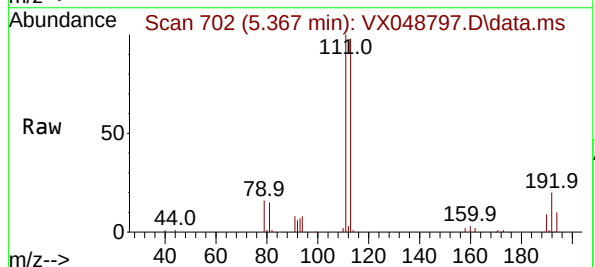
Tgt Ion:113 Resp: 89655

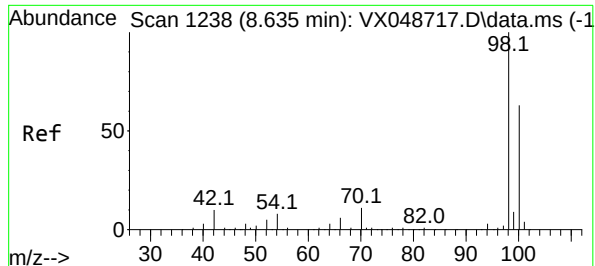
Ion Ratio Lower Upper

113 100

111 103.4 79.5 119.3

192 20.1 16.1 24.1





#50

Toluene-d8

Concen: 46.696 ug/l

RT: 8.628 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX048797.D

Acq: 10 Dec 2025 10:10

Instrument :

MSVOA_X

ClientSampleId :

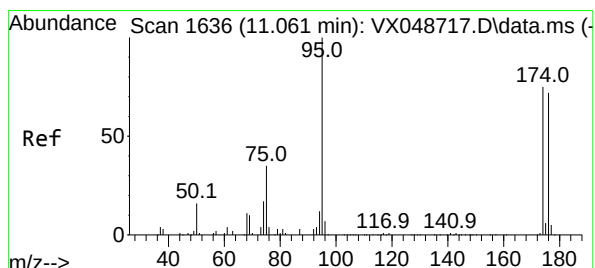
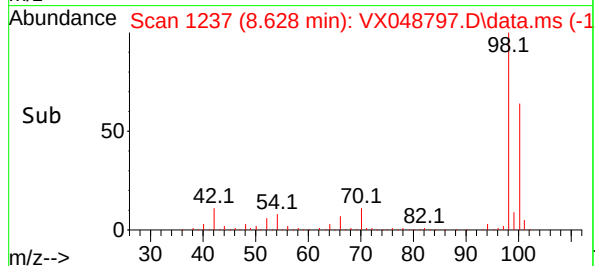
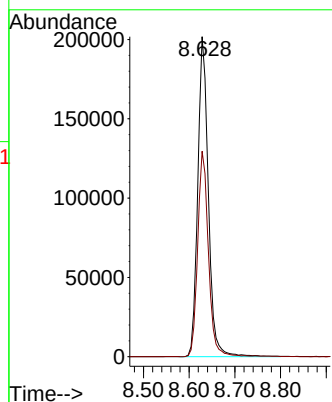
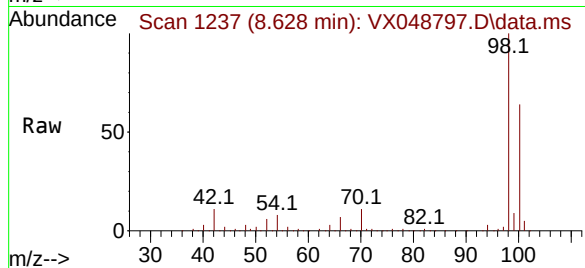
VX1210WBL01

Tgt Ion: 98 Resp: 324876

Ion Ratio Lower Upper

98 100

100 65.2 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 57.242 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048797.D

Acq: 10 Dec 2025 10:10

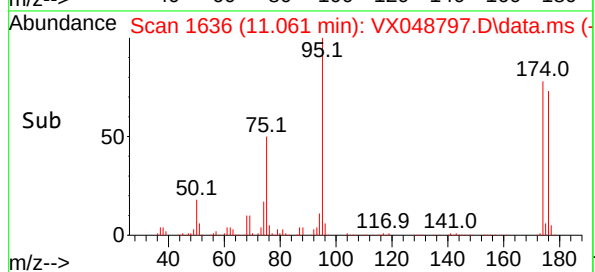
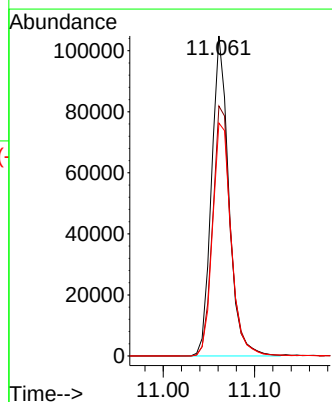
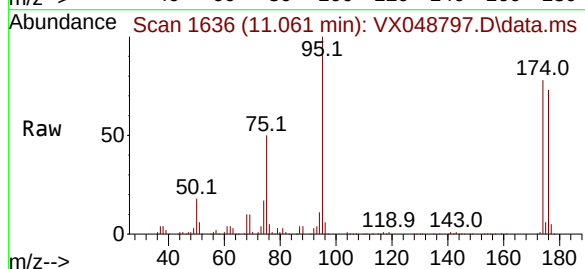
Tgt Ion: 95 Resp: 137328

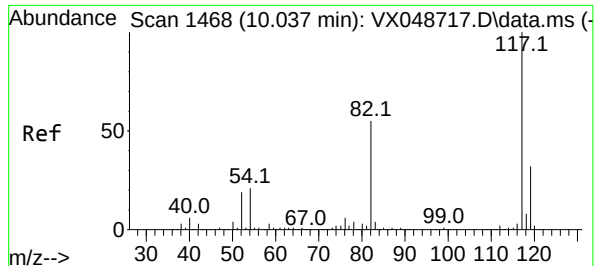
Ion Ratio Lower Upper

95 100

174 82.3 0.0 157.8

176 78.3 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: VX048797.D

Acq: 10 Dec 2025 10:10

Instrument :

MSVOA_X

ClientSampleId :

VX1210WBL01

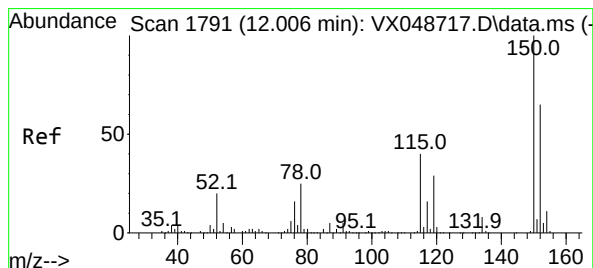
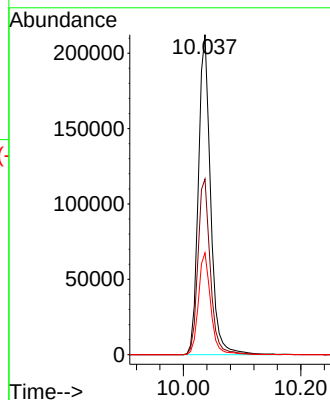
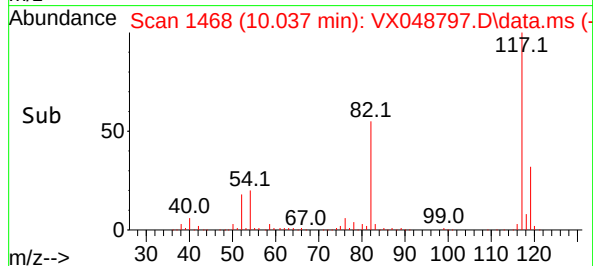
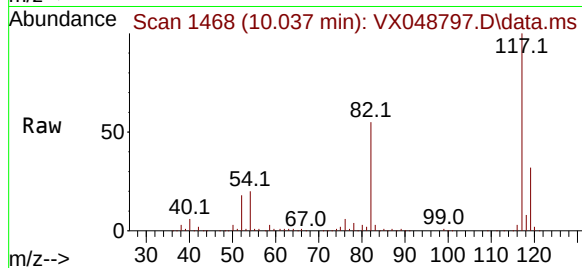
Tgt Ion:117 Resp: 306883

Ion Ratio Lower Upper

117 100

82 54.9 44.1 66.1

119 31.9 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.000 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VX048797.D

Acq: 10 Dec 2025 10:10

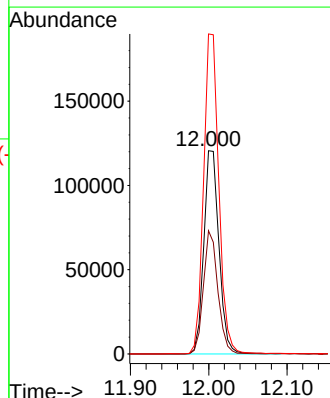
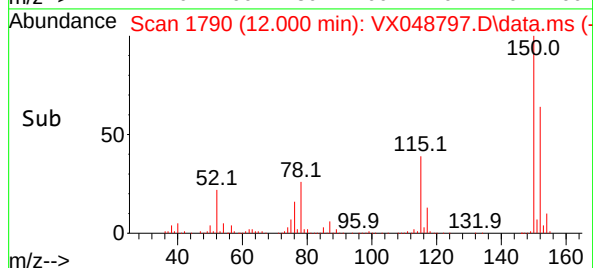
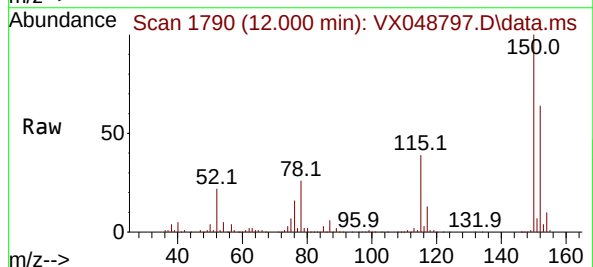
Tgt Ion:152 Resp: 162084

Ion Ratio Lower Upper

152 100

115 57.9 42.1 126.4

150 158.2 0.0 347.8



5

A

B

C

D

E

F

G

H

I

J

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

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1208WBS01

Manual Integrations APPROVED

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

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

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

5

A

B

C

D

E

F

G

H

I

J

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

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1208WBS01

Manual Integrations APPROVED

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

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

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

5

A

B

C

D

E

F

G

H

I

J

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

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBS01

Manual Integrations
APPROVED

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

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

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

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

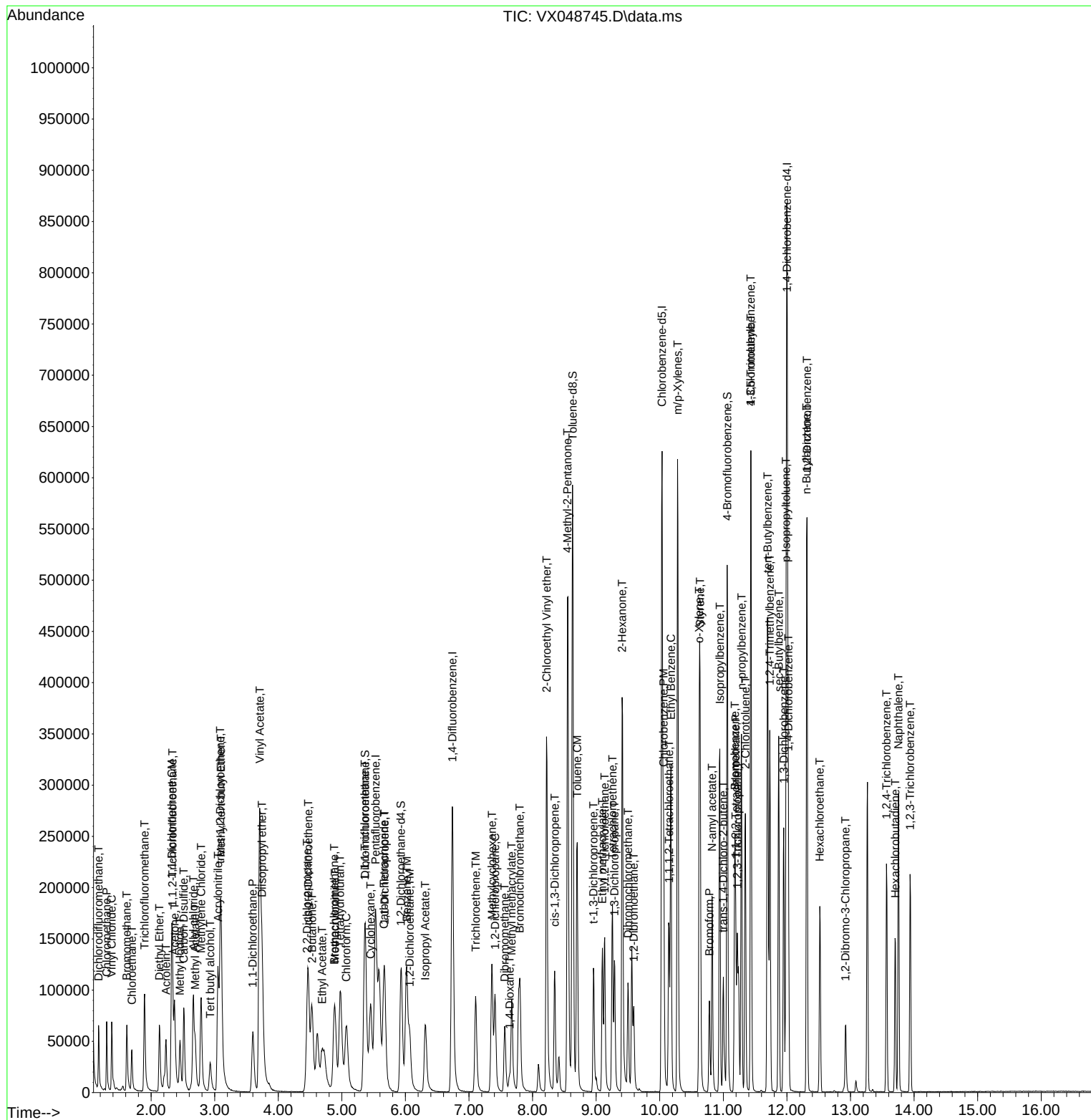
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\  
Data File : VX048745.D  
Acq On    : 08 Dec 2025  11:44  
Operator  : JC/MD  
Sample    : VX1208WBS01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBS01

Manual Integrations APPROVED

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048773.D
 Acq On : 09 Dec 2025 11:24
 Operator : JC/MD
 Sample : VX1209WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS02

Manual Integrations APPROVED

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

Quant Time: Dec 10 00:16:02 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	5.531	168	172951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	289026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	260322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	127982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	107937	46.498	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.000%		
35) Dibromofluoromethane	5.361	113	88867	44.656	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.320%		
50) Toluene-d8	8.628	98	313766	44.979	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.960%#		
62) 4-Bromofluorobenzene	11.061	95	111703	46.437	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	38081	21.610	ug/l	97
3) Chloromethane	1.300	50	40559	18.240	ug/l	99
4) Vinyl Chloride	1.380	62	41549	17.544	ug/l	97
5) Bromomethane	1.617	94	28865	19.723	ug/l	100
6) Chloroethane	1.697	64	25421	17.247	ug/l	96
7) Trichlorofluoromethane	1.898	101	60483	17.819	ug/l	95
8) Diethyl Ether	2.130	74	23832	17.591	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	34664	17.616	ug/l	98
10) Methyl Iodide	2.453	142	49459	17.656	ug/l	98
11) Tert butyl alcohol	2.922	59	31921	85.173	ug/l	99
12) 1,1-Dichloroethene	2.325	96	34119	16.989	ug/l	95
13) Acrolein	2.233	56	35540	122.612	ug/l	97
14) Allyl chloride	2.666	41	65989	19.571	ug/l	99
15) Acrylonitrile	3.050	53	116893	100.098	ug/l	98
16) Acetone	2.367	43	89026	100.181	ug/l	97
17) Carbon Disulfide	2.514	76	100701	17.266	ug/l	98
18) Methyl Acetate	2.690	43	48622	19.446	ug/l	98
19) Methyl tert-butyl Ether	3.099	73	124108	18.988	ug/l	99
20) Methylene Chloride	2.788	84	39649	17.850	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	36986	18.044	ug/l	99
22) Diisopropyl ether	3.739	45	130955	20.781	ug/l	84
23) Vinyl Acetate	3.702	43	559797	105.722	ug/l	97
24) 1,1-Dichloroethane	3.605	63	68569	19.513	ug/l	99
25) 2-Butanone	4.526	43	140416	107.060	ug/l	94
26) 2,2-Dichloropropane	4.458	77	57568	18.514	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	44176	19.099	ug/l	93
28) Bromochloromethane	4.885	49	33569	19.490	ug/l	84
29) Tetrahydrofuran	4.971	42	98618	98.473	ug/l	95
30) Chloroform	5.074	83	71019	18.861	ug/l	98
31) Cyclohexane	5.446	56	60101	19.156	ug/l	90
32) 1,1,1-Trichloroethane	5.367	97	62884	18.639	ug/l	98
36) 1,1-Dichloropropene	5.672	75	48110	17.651	ug/l	97
37) Ethyl Acetate	4.684	43	68083	20.904	ug/l	98
38) Carbon Tetrachloride	5.659	117	55496	17.975	ug/l	96
39) Methylcyclohexane	7.360	83	57786	17.929	ug/l	97
40) Benzene	6.019	78	149794	18.539	ug/l	100

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048773.D
 Acq On : 09 Dec 2025 11:24
 Operator : JC/MD
 Sample : VX1209WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS02

Manual Integrations APPROVED

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

Quant Time: Dec 10 00:16:02 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)
41) Methacrylonitrile	4.903	41	31012	20.928	ug/l	93
42) 1,2-Dichloroethane	6.068	62	54177	18.944	ug/l	96
43) Isopropyl Acetate	6.312	43	94882	19.239	ug/l	95
44) Trichloroethene	7.104	130	36998	17.549	ug/l	90
45) 1,2-Dichloropropane	7.409	63	38261	18.945	ug/l	100
46) Dibromomethane	7.568	93	28326	18.495	ug/l	98
47) Bromodichloromethane	7.799	83	57651	18.055	ug/l	98
48) Methyl methacrylate	7.671	41	46293	18.660	ug/l	98
49) 1,4-Dioxane	7.635	88	10003	293.180	ug/l	96
51) 4-Methyl-2-Pentanone	8.549	43	309825	101.214	ug/l	97
52) Toluene	8.702	92	94496	19.394	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	58051	19.110	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	62775	19.228	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	37754	19.258	ug/l	98
56) Ethyl methacrylate	9.098	69	60442	19.697	ug/l	99
57) 1,3-Dichloropropane	9.287	76	63894	19.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	152612	92.017	ug/l	97
59) 2-Hexanone	9.409	43	223072	103.811	ug/l	99
60) Dibromochloromethane	9.500	129	45837	18.908	ug/l	98
61) 1,2-Dibromoethane	9.592	107	40677	19.171	ug/l	100
64) Tetrachloroethene	9.256	164	32279	17.011	ug/l	97
65) Chlorobenzene	10.061	112	101616	17.833	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.140	131	36523	17.920	ug/l	98
67) Ethyl Benzene	10.177	91	172469	18.549	ug/l	98
68) m/p-Xylenes	10.281	106	133567	36.877	ug/l	99
69) o-Xylene	10.622	106	64240	18.928	ug/l	98
70) Styrene	10.634	104	110143	18.904	ug/l	98
71) Bromoform	10.780	173	31426	17.271	ug/l #	99
73) Isopropylbenzene	10.945	105	164703	19.097	ug/l	100
74) N-amyl acetate	10.823	43	79173	21.128	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	55673	19.131	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	45308m	19.007	ug/l	
77) Bromobenzene	11.177	156	41826	18.170	ug/l	99
78) n-propylbenzene	11.286	91	194276	19.449	ug/l	100
79) 2-Chlorotoluene	11.347	91	116511	19.128	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	133756	18.868	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	19172	19.105	ug/l	94
82) 4-Chlorotoluene	11.433	91	136381	19.187	ug/l	99
83) tert-Butylbenzene	11.695	119	132907	18.043	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	135838	18.995	ug/l	99
85) sec-Butylbenzene	11.872	105	170558	19.106	ug/l	100
86) p-Isopropyltoluene	11.988	119	142787	18.712	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	76521	18.032	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	79274	18.077	ug/l	98
89) n-Butylbenzene	12.311	91	131918	18.464	ug/l	99
90) Hexachloroethane	12.518	117	26593	17.075	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	74334	18.068	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	12345	17.431	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	46131	16.977	ug/l	99
94) Hexachlorobutadiene	13.701	225	18539	16.495	ug/l	97
95) Naphthalene	13.756	128	146332	20.573	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	43539	17.375	ug/l	98

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
Data File : VX048773.D
Acq On : 09 Dec 2025 11:24
Operator : JC/MD
Sample : VX1209WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Manual Integrations
APPROVED

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

Quant Time: Dec 10 00:16:02 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.	Q	Ion	Response	Conc	Units	Dev(Min)
----------	------	---	-----	----------	------	-------	----------

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

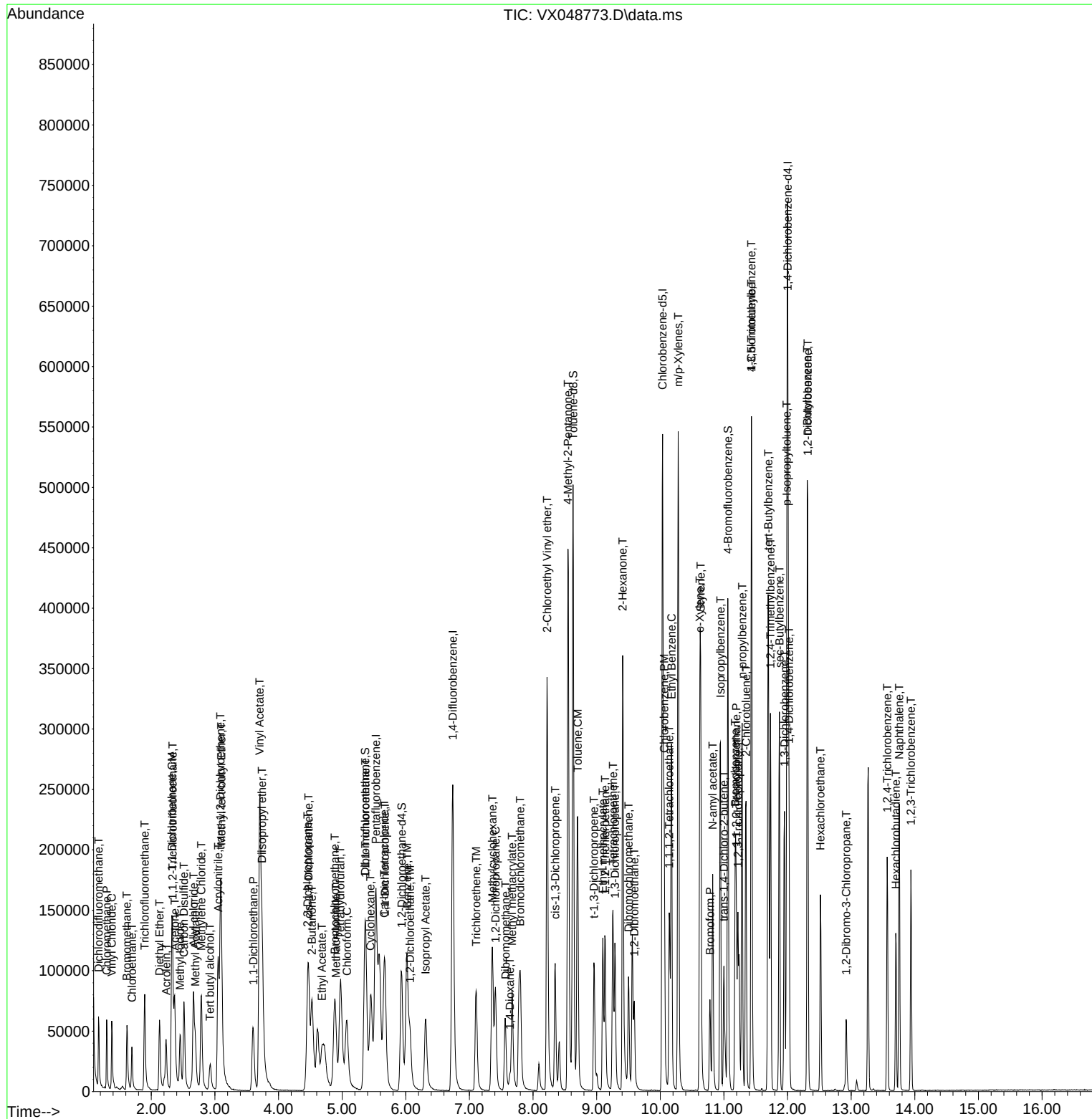

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
Data File : VX048773.D
Acq On    : 09 Dec 2025  11:24
Operator  : JC/MD
Sample    : VX1209WBS02
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 7      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VX1209WBS02

Manual Integrations APPROVED

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

Quant Time: Dec 10 00:16:02 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



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048799.D
 Acq On : 10 Dec 2025 10:58
 Operator : JC/MD
 Sample : VX1210WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/11/2025

Quant Time: Dec 11 00:19:13 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	153473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	261026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	236663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	123629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	113079	54.896	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.800%			
35) Dibromofluoromethane	5.367	113	91472	50.895	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.800%			
50) Toluene-d8	8.629	98	309867	49.185	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.380%			
62) 4-Bromofluorobenzene	11.061	95	116717	53.726	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	32364	20.697	ug/l	98
3) Chloromethane	1.301	50	35090	17.783	ug/l	100
4) Vinyl Chloride	1.380	62	35160	16.731	ug/l	96
5) Bromomethane	1.618	94	26138	20.126	ug/l	100
6) Chloroethane	1.697	64	21108	16.139	ug/l	97
7) Trichlorofluoromethane	1.898	101	50890	16.896	ug/l	99
8) Diethyl Ether	2.130	74	21221	17.652	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	29535	16.915	ug/l	98
10) Methyl Iodide	2.453	142	42780	17.210	ug/l	99
11) Tert butyl alcohol	2.928	59	33819	101.690	ug/l	99
12) 1,1-Dichloroethene	2.325	96	30092	16.885	ug/l	94
13) Acrolein	2.233	56	29078	116.183	ug/l	98
14) Allyl chloride	2.666	41	57512	19.222	ug/l	98
15) Acrylonitrile	3.050	53	104393	100.740	ug/l	97
16) Acetone	2.368	43	72041	91.357	ug/l	97
17) Carbon Disulfide	2.514	76	87274	16.863	ug/l	98
18) Methyl Acetate	2.697	43	46593	21.000	ug/l	99
19) Methyl tert-butyl Ether	3.099	73	112920	19.469	ug/l	99
20) Methylene Chloride	2.788	84	37424	18.987	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	32641	17.945	ug/l	94
22) Diisopropyl ether	3.745	45	116904	20.906	ug/l	95
23) Vinyl Acetate	3.709	43	503903	107.244	ug/l	97
24) 1,1-Dichloroethane	3.605	63	61629	19.763	ug/l	97
25) 2-Butanone	4.532	43	129063	110.893	ug/l	90
26) 2,2-Dichloropropane	4.459	77	50830	18.422	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	40384	19.675	ug/l	98
28) Bromochloromethane	4.879	49	28414	18.590	ug/l	88
29) Tetrahydrofuran	4.977	42	96129	108.169	ug/l	89
30) Chloroform	5.074	83	65330	19.552	ug/l	97
31) Cyclohexane	5.458	56	48299	17.348	ug/l	94
32) 1,1,1-Trichloroethane	5.361	97	54533	18.215	ug/l	96
36) 1,1-Dichloropropene	5.672	75	42128	17.114	ug/l	98
37) Ethyl Acetate	4.690	43	64281	21.854	ug/l	97
38) Carbon Tetrachloride	5.660	117	48751	17.484	ug/l	93
39) Methylcyclohexane	7.361	83	46361	15.927	ug/l	99
40) Benzene	6.019	78	135431	18.559	ug/l	99

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048799.D
 Acq On : 10 Dec 2025 10:58
 Operator : JC/MD
 Sample : VX1210WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1210WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/11/2025

Quant Time: Dec 11 00:19:13 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)
41) Methacrylonitrile	4.898	41	28007	20.927	ug/l	94
42) 1,2-Dichloroethane	6.062	62	48849	18.913	ug/l	97
43) Isopropyl Acetate	6.312	43	87088	19.553	ug/l	97
44) Trichloroethene	7.104	130	34053	17.884	ug/l	99
45) 1,2-Dichloropropane	7.409	63	34778	19.068	ug/l	99
46) Dibromomethane	7.562	93	25955	18.765	ug/l	98
47) Bromodichloromethane	7.806	83	51991	18.029	ug/l	99
48) Methyl methacrylate	7.671	41	42389	18.920	ug/l	97
49) 1,4-Dioxane	7.641	88	10942	355.103	ug/l	97
51) 4-Methyl-2-Pentanone	8.549	43	286166	103.513	ug/l	97
52) Toluene	8.702	92	81590	18.542	ug/l	97
53) t-1,3-Dichloropropene	8.958	75	53349	19.446	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	56368	19.118	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	34363	19.408	ug/l	97
56) Ethyl methacrylate	9.098	69	55208	19.921	ug/l	98
57) 1,3-Dichloropropane	9.293	76	57952	19.684	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	134999	90.129	ug/l	98
59) 2-Hexanone	9.409	43	205981	106.140	ug/l	99
60) Dibromochloromethane	9.500	129	41742	19.066	ug/l	99
61) 1,2-Dibromoethane	9.592	107	36893	19.253	ug/l	99
64) Tetrachloroethene	9.257	164	28110	16.295	ug/l	97
65) Chlorobenzene	10.061	112	92589	17.873	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.147	131	32798	17.701	ug/l	98
67) Ethyl Benzene	10.177	91	153845	18.200	ug/l	98
68) m/p-Xylenes	10.281	106	117680	35.739	ug/l	99
69) o-Xylene	10.622	106	56724	18.384	ug/l	100
70) Styrene	10.634	104	100712	19.013	ug/l	97
71) Bromoform	10.781	173	29323	17.727	ug/l #	100
73) Isopropylbenzene	10.945	105	144763	17.376	ug/l	100
74) N-amyl acetate	10.823	43	70709	19.533	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	51287	18.245	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	40646m	17.652	ug/l	
77) Bromobenzene	11.177	156	38570	17.345	ug/l	97
78) n-propylbenzene	11.287	91	169660	17.583	ug/l	99
79) 2-Chlorotoluene	11.348	91	103446	17.581	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	119587	17.463	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	17237	17.782	ug/l	97
82) 4-Chlorotoluene	11.433	91	123216	17.945	ug/l	100
83) tert-Butylbenzene	11.695	119	118741	16.688	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	120936	17.507	ug/l	100
85) sec-Butylbenzene	11.872	105	143834	16.679	ug/l	98
86) p-Isopropyltoluene	11.988	119	123532	16.759	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	70441	17.184	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	72494	17.113	ug/l	99
89) n-Butylbenzene	12.317	91	113458	16.439	ug/l	99
90) Hexachloroethane	12.518	117	23343	15.516	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	66812	16.811	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.927	75	11419	16.691	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	41866	15.950	ug/l	98
94) Hexachlorobutadiene	13.707	225	16507	15.204	ug/l	96
95) Naphthalene	13.756	128	138162	20.107	ug/l	100
96) 1,2,3-Trichlorobenzene	13.945	180	40058	16.549	ug/l	98

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048799.D
Acq On : 10 Dec 2025 10:58
Operator : JC/MD
Sample : VX1210WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025

Quant Time: Dec 11 00:19:13 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)
----------	------	------	----------	------	-------	----------

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

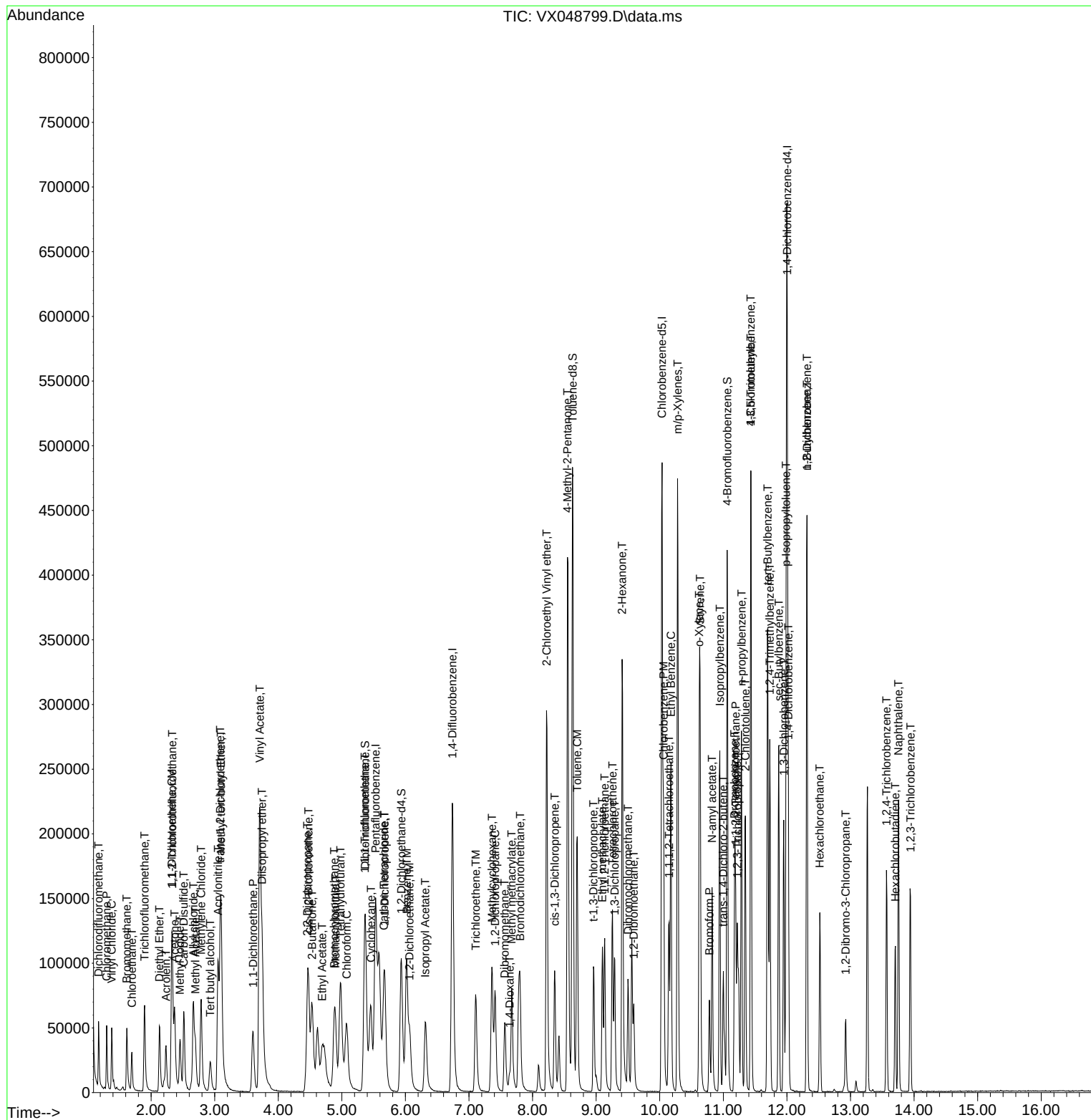
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048799.D
Acq On    : 10 Dec 2025  10:58
Operator  : JC/MD
Sample    : VX1210WBS01
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 5   Sample Multiplier: 1
```

Quant Time: Dec 11 00:19:13 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 :
VX1210WBS01

Manual Integrations

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048793.D
 Acq On : 09 Dec 2025 18:12
 Operator : JC/MD
 Sample : Q3788-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-05-135-120525MS

Quant Time: Dec 10 00:30:21 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

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) Pentafluorobenzene	5.538	168	135862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	235253	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	212826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106800	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.940	65	86491	47.431	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.860%
35) Dibromofluoromethane	5.367	113	70662	43.624	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.240%
50) Toluene-d8	8.635	98	247323	43.559	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	87.120%#
62) 4-Bromofluorobenzene	11.061	95	92199	47.090	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.180%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	73772	53.293	ug/l	98
3) Chloromethane	1.301	50	86461	49.496	ug/l	98
4) Vinyl Chloride	1.380	62	86180	46.324	ug/l	99
5) Bromomethane	1.618	94	58836	51.176	ug/l	99
6) Chloroethane	1.697	64	52239	45.118	ug/l	93
7) Trichlorofluoromethane	1.898	101	117779	44.173	ug/l	99
8) Diethyl Ether	2.136	74	51205	48.114	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	65619	42.452	ug/l	100
10) Methyl Iodide	2.459	142	109394	49.711	ug/l	100
11) Tert butyl alcohol	2.934	59	84817	288.095	ug/l	100
12) 1,1-Dichloroethene	2.325	96	256746	162.740	ug/l	95
13) Acrolein	2.233	56	77904	270.202	ug/l	99
14) Allyl chloride	2.666	41	141576	53.451	ug/l	99
15) Acrylonitrile	3.056	53	261289	284.829	ug/l	99
16) Acetone	2.374	43	213792	306.257	ug/l	99
17) Carbon Disulfide	2.514	76	225734	49.271	ug/l	99
18) Methyl Acetate	2.697	43	108805	55.396	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	276190	53.793	ug/l	98
20) Methylene Chloride	2.788	84	85693	49.111	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	96662	60.032	ug/l	92
22) Diisopropyl ether	3.751	45	276574	55.870	ug/l	98
23) Vinyl Acetate	3.709	43	1228265	295.293	ug/l	98
24) 1,1-Dichloroethane	3.605	63	172431	62.464	ug/l	99
25) 2-Butanone	4.532	43	338813	328.849	ug/l	94
26) 2,2-Dichloropropane	4.471	77	117054	47.923	ug/l	91
27) cis-1,2-Dichloroethene	4.477	96	250899	138.086	ug/l	98
28) Bromochloromethane	4.885	49	58780	43.443	ug/l	88
29) Tetrahydrofuran	4.983	42	230997	293.623	ug/l	94
30) Chloroform	5.080	83	152100	51.422	ug/l	98
31) Cyclohexane	5.458	56	109996	44.630	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	125868	47.493	ug/l	97
36) 1,1-Dichloropropene	5.684	75	95456	43.026	ug/l	98
37) Ethyl Acetate	4.696	43	141688	53.448	ug/l	99
38) Carbon Tetrachloride	5.666	117	110526	43.982	ug/l	96
39) Methylcyclohexane	7.367	83	107842	41.108	ug/l	97
40) Benzene	6.025	78	322873	49.092	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048793.D
 Acq On : 09 Dec 2025 18:12
 Operator : JC/MD
 Sample : Q3788-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-05-135-120525MS

Manual Integrations
 APPROVED

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

Quant Time: Dec 10 00:30:21 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)
41) Methacrylonitrile	4.898	41	67710	56.137	ug/l	96
42) 1,2-Dichloroethane	6.074	62	127152	54.623	ug/l	99
43) Isopropyl Acetate	6.318	43	210357	52.404	ug/l	97
44) Trichloroethene	7.111	130	124536	72.571	ug/l	96
45) 1,2-Dichloropropane	7.415	63	81628	49.658	ug/l	100
46) Dibromomethane	7.568	93	61457	49.301	ug/l	100
47) Bromodichloromethane	7.806	83	123473	47.508	ug/l	96
48) Methyl methacrylate	7.678	41	104806	51.903	ug/l	98
49) 1,4-Dioxane	7.641	88	36430	1311.794	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	686301	275.449	ug/l	100
52) Toluene	8.702	92	201614	50.837	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	129406	52.337	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	134574	50.643	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	81207	50.891	ug/l	95
56) Ethyl methacrylate	9.098	69	139651	55.912	ug/l	99
57) 1,3-Dichloropropane	9.293	76	136275	51.359	ug/l	99
59) 2-Hexanone	9.415	43	510215	291.712	ug/l	100
60) Dibromochloromethane	9.506	129	99011	50.179	ug/l	98
61) 1,2-Dibromoethane	9.592	107	87969	50.936	ug/l	100
64) Tetrachloroethene	9.257	164	64007	41.260	ug/l	98
65) Chlorobenzene	10.061	112	220538	47.341	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	78469	47.094	ug/l	99
67) Ethyl Benzene	10.177	91	370452	48.733	ug/l	100
68) m/p-Xylenes	10.287	106	282883	95.532	ug/l	98
69) o-Xylene	10.622	106	138772	50.013	ug/l	98
70) Styrene	10.634	104	241974	50.799	ug/l	99
71) Bromoform	10.781	173	72040	48.428	ug/l #	99
73) Isopropylbenzene	10.945	105	341213	47.410	ug/l	100
74) N-amyl acetate	10.823	43	176401	56.410	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	123420	50.823	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	99943m	50.243	ug/l	
77) Bromobenzene	11.177	156	92358	48.079	ug/l	96
78) n-propylbenzene	11.287	91	399588	47.938	ug/l	100
79) 2-Chlorotoluene	11.348	91	242953	47.798	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	279665	47.274	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	43166	51.547	ug/l #	79
82) 4-Chlorotoluene	11.433	91	285817	48.186	ug/l	99
83) tert-Butylbenzene	11.695	119	285168	46.392	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	287351	48.152	ug/l	99
85) sec-Butylbenzene	11.872	105	340091	45.652	ug/l	99
86) p-Isopropyltoluene	11.988	119	288197	45.258	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	165194	46.649	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	169404	46.292	ug/l	99
89) n-Butylbenzene	12.311	91	263521	44.199	ug/l	100
90) Hexachloroethane	12.518	117	55057	42.363	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	161948	47.171	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.921	75	27689	46.850	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	100514	44.328	ug/l	98
94) Hexachlorobutadiene	13.707	225	37509	39.992	ug/l	96
95) Naphthalene	13.756	128	350323	53.803	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	96168	45.989	ug/l	99

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
Data File : VX048793.D
Acq On : 09 Dec 2025 18:12
Operator : JC/MD
Sample : Q3788-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-120525MS

Manual Integrations
APPROVED

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

Quant Time: Dec 10 00:30:21 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)

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

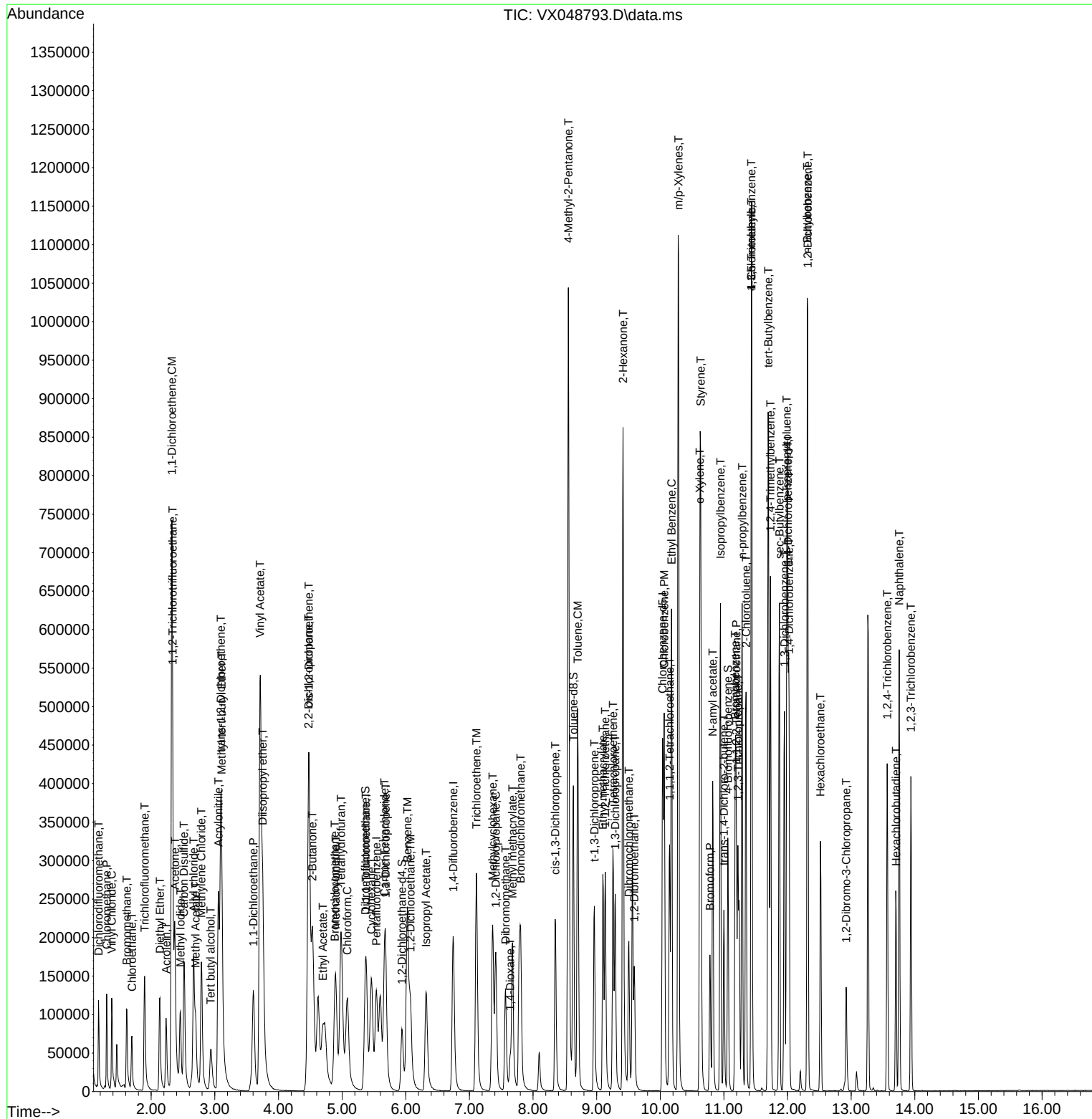

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\  
Data File : VX048793.D  
Acq On    : 09 Dec 2025  18:12  
Operator  : JC/MD  
Sample    : Q3788-02MS  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 27   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-120525MS

Manual Integrations APPROVED

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

Quant Time: Dec 10 00:30:21 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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048776.D
 Acq On : 09 Dec 2025 12:25
 Operator : JC/MD
 Sample : Q3788-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-05-135-120525MSD

Quant Time: Dec 10 00:18:37 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

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) Pentafluorobenzene	5.538	168	135940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	240144	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	217048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	109904	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	103307	56.620	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.240%	
35) Dibromofluoromethane	5.373	113	83892	50.736	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.480%	
50) Toluene-d8	8.635	98	285687	49.291	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.580%	
62) 4-Bromofluorobenzene	11.061	95	105889	52.981	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.960%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	81540	58.870	ug/l	97
3) Chloromethane	1.301	50	95748	54.781	ug/l	98
4) Vinyl Chloride	1.386	62	94039	50.520	ug/l	100
5) Bromomethane	1.618	94	66896	58.154	ug/l	98
6) Chloroethane	1.697	64	57507	49.639	ug/l	99
7) Trichlorofluoromethane	1.898	101	130671	48.980	ug/l	99
8) Diethyl Ether	2.136	74	59537	55.911	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	74729	48.317	ug/l	99
10) Methyl Iodide	2.459	142	124403	56.499	ug/l	100
11) Tert butyl alcohol	2.934	59	86113	292.329	ug/l	99
12) 1,1-Dichloroethene	2.325	96	235971	149.486	ug/l	99
13) Acrolein	2.233	56	100392	336.432	ug/l	100
14) Allyl chloride	2.666	41	155415	58.642	ug/l	99
15) Acrylonitrile	3.056	53	287107	312.793	ug/l	99
16) Acetone	2.374	43	244967	350.714	ug/l	99
17) Carbon Disulfide	2.520	76	295598	64.483	ug/l	99
18) Methyl Acetate	2.697	43	122780	62.476	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	310256	60.393	ug/l	96
20) Methylene Chloride	2.794	84	98797	56.589	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	104314	64.747	ug/l	97
22) Diisopropyl ether	3.751	45	319958	64.597	ug/l	97
23) Vinyl Acetate	3.715	43	1433465	344.429	ug/l	97
24) 1,1-Dichloroethane	3.605	63	188848	68.372	ug/l	99
25) 2-Butanone	4.538	43	372205	361.052	ug/l	95
26) 2,2-Dichloropropane	4.471	77	135308	55.364	ug/l	91
27) cis-1,2-Dichloroethene	4.483	96	256423	141.045	ug/l	97
28) Bromochloromethane	4.891	49	72321	53.420	ug/l	87
29) Tetrahydrofuran	4.983	42	248048	315.116	ug/l	95
30) Chloroform	5.086	83	172718	58.359	ug/l	97
31) Cyclohexane	5.464	56	123528	50.092	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	140608	53.024	ug/l	96
36) 1,1-Dichloropropene	5.684	75	105364	46.525	ug/l	100
37) Ethyl Acetate	4.690	43	173099	63.967	ug/l	98
38) Carbon Tetrachloride	5.666	117	120680	47.045	ug/l	96
39) Methylcyclohexane	7.367	83	121764	45.470	ug/l	96
40) Benzene	6.025	78	363394	54.128	ug/l	100

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048776.D
 Acq On : 09 Dec 2025 12:25
 Operator : JC/MD
 Sample : Q3788-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-05-135-120525MSD

Manual Integrations
 APPROVED

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

Quant Time: Dec 10 00:18:37 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)
41) Methacrylonitrile	4.904	41	76440	62.084	ug/l	96
42) 1,2-Dichloroethane	6.074	62	144386	60.764	ug/l	98
43) Isopropyl Acetate	6.324	43	240230	58.627	ug/l	98
44) Trichloroethene	7.110	130	123553	70.532	ug/l	97
45) 1,2-Dichloropropane	7.415	63	93799	55.900	ug/l	98
46) Dibromomethane	7.568	93	69618	54.710	ug/l	99
47) Bromodichloromethane	7.805	83	141319	53.267	ug/l	96
48) Methyl methacrylate	7.677	41	117192	56.855	ug/l	99
49) 1,4-Dioxane	7.641	88	31654	1116.602	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	777250	305.598	ug/l	99
52) Toluene	8.702	92	226550	55.961	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	146830	58.174	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	154983	57.136	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	93455	57.374	ug/l	98
56) Ethyl methacrylate	9.098	69	158829	62.296	ug/l	100
57) 1,3-Dichloropropane	9.293	76	158429	58.493	ug/l	99
59) 2-Hexanone	9.415	43	578128	323.809	ug/l	99
60) Dibromochloromethane	9.506	129	113475	56.338	ug/l	99
61) 1,2-Dibromoethane	9.592	107	99150	56.241	ug/l	98
64) Tetrachloroethene	9.256	164	70144	44.336	ug/l	98
65) Chlorobenzene	10.061	112	250428	52.711	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	91020	53.563	ug/l	98
67) Ethyl Benzene	10.177	91	415201	53.557	ug/l	98
68) m/p-Xylenes	10.287	106	321363	106.416	ug/l	97
69) o-Xylene	10.622	106	156529	55.315	ug/l	98
70) Styrene	10.640	104	272688	56.133	ug/l	99
71) Bromoform	10.781	173	80660	53.168	ug/l #	99
73) Isopropylbenzene	10.945	105	383893	51.833	ug/l	99
74) N-amyl acetate	10.823	43	201939	62.752	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	140146	56.081	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	112448m	54.933	ug/l	
77) Bromobenzene	11.183	156	104461	52.844	ug/l	99
78) n-propylbenzene	11.287	91	447602	52.181	ug/l	99
79) 2-Chlorotoluene	11.348	91	275343	52.640	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	321637	52.833	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	50706	58.841	ug/l #	77
82) 4-Chlorotoluene	11.433	91	329661	54.008	ug/l	99
83) tert-Butylbenzene	11.695	119	328897	51.995	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	325878	53.066	ug/l	100
85) sec-Butylbenzene	11.872	105	383423	50.015	ug/l	99
86) p-Isopropyltoluene	11.988	119	329860	50.338	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	190566	52.294	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	190715	50.644	ug/l	98
89) n-Butylbenzene	12.311	91	299686	48.845	ug/l	100
90) Hexachloroethane	12.518	117	63630	47.576	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	182424	51.634	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	31843	52.357	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	115578	49.532	ug/l	100
94) Hexachlorobutadiene	13.707	225	40076	41.522	ug/l	96
95) Naphthalene	13.756	128	397534	58.338	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	107060	49.751	ug/l	98

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
Data File : VX048776.D
Acq On : 09 Dec 2025 12:25
Operator : JC/MD
Sample : Q3788-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 10 00:18:37 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 :
OWBR-05-135-120525MSD

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)

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

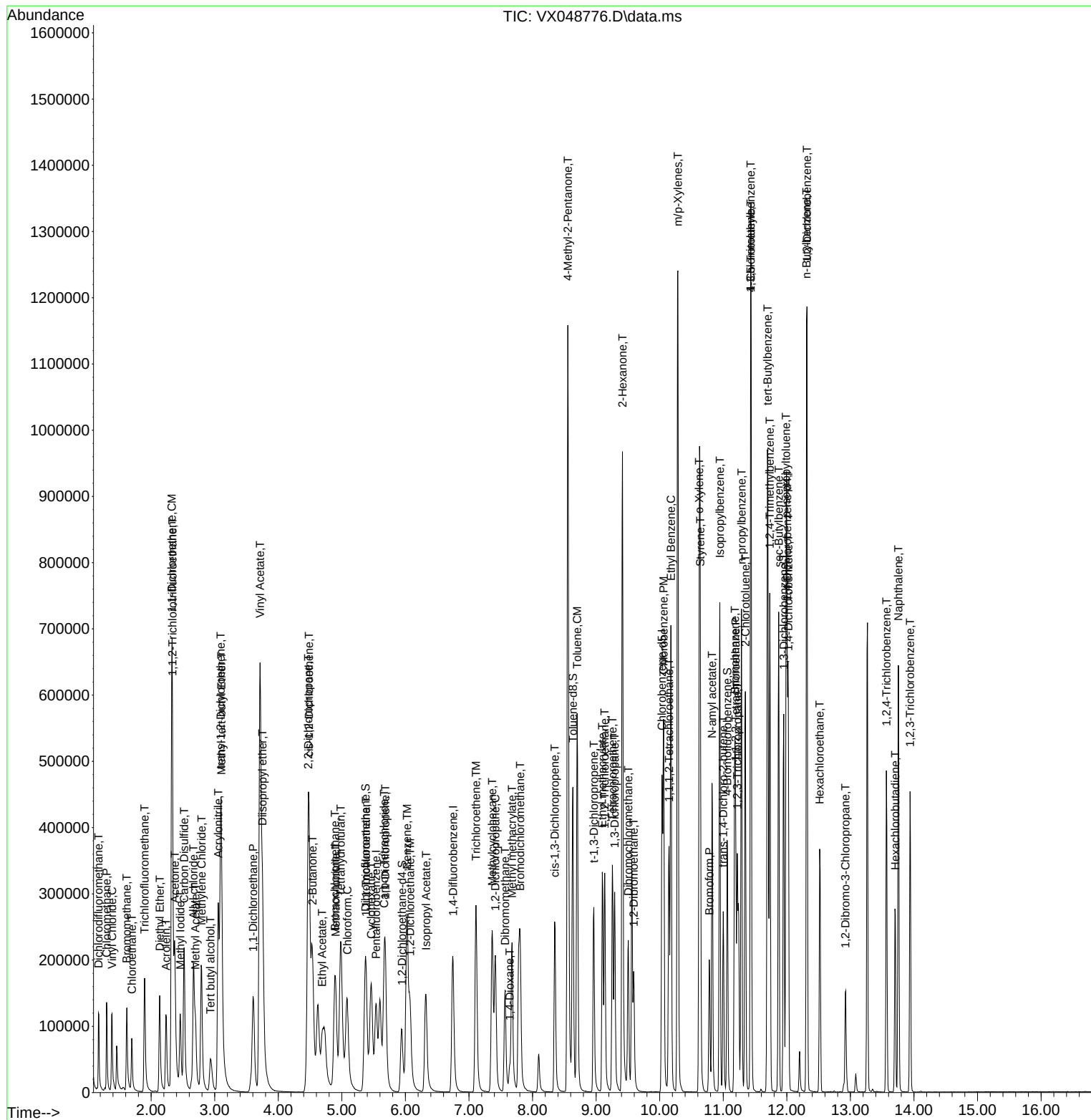
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
Data File : VX048776.D
Acq On    : 09 Dec 2025  12:25
Operator  : JC/MD
Sample    : Q3788-03MSD
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 10   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-120525MSD

Manual Integrations APPROVED

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

Quant Time: Dec 10 00:18:37 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



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

Manual Integration Report

Sequence:	VX120425	Instrument	MSVOA_x
-----------	----------	------------	---------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	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
VSTDIC005	VX048715.D	Toluene-d8	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDIC005	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
VSTDIC020	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
VSTDIC050	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
VSTDIC100	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
VSTDIC150	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

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

Manual Integration Report

Sequence:	VX120925	Instrument	MSVOA_x
-----------	----------	------------	---------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048768.D	1,2,3-Trichloropropane	JOHN	12/10/2025 8:08:21 AM	MMDadoda	12/10/2025 11:32:18 AM	Peak Integrated by Software
VX1209WBS02	VX048773.D	1,2,3-Trichloropropane	JOHN	12/10/2025 8:08:31 AM	MMDadoda	12/10/2025 11:32:24 AM	Peak Integrated by Software
Q3788-03MSD	VX048776.D	1,2,3-Trichloropropane	JOHN	12/10/2025 8:08:50 AM	MMDadoda	12/10/2025 11:32:31 AM	Peak Integrated by Software
Q3788-02MS	VX048793.D	1,2,3-Trichloropropane	JOHN	12/10/2025 8:09:57 AM	MMDadoda	12/10/2025 11:33:10 AM	Peak Integrated by Software
VSTDCCC050	VX048794.D	1,2,3-Trichloropropane	JOHN	12/10/2025 8:10:02 AM	MMDadoda	12/10/2025 11:33:13 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX121025	Instrument	MSVOA_x
-----------	----------	------------	---------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048796.D	1,2,3-Trichloropropane	MMDadoda	12/11/2025 11:46:39 AM	sam	12/11/2025 12:33:45 PM	Peak Integrated by Software
VX1210WBS01	VX048799.D	1,2,3-Trichloropropane	MMDadoda	12/11/2025 11:46:42 AM	sam	12/11/2025 12:33:50 PM	Peak Integrated by Software
VSTDCCC050	VX048820.D	1,2,3-Trichloropropane	MMDadoda	12/11/2025 11:46:51 AM	sam	12/11/2025 12:34:09 PM	Peak Integrated by Software

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch 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	VSTDIC001	VX048714.D	04 Dec 2025 08:47	JC/MD	Ok,M
3	VSTDIC005	VX048715.D	04 Dec 2025 09:16	JC/MD	Ok,M
4	VSTDIC020	VX048716.D	04 Dec 2025 09:36	JC/MD	Ok,M
5	VSTDIC050	VX048717.D	04 Dec 2025 09:57	JC/MD	Ok,M
6	VSTDIC100	VX048718.D	04 Dec 2025 10:17	JC/MD	Ok,M
7	VSTDIC150	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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120825

Review By	John Carlone	Review On	12/9/2025 8:11:51 AM
Supervise By	Maresh 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 Initial Calibration Stds	VP136561		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136570,VP136571		

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

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 Initial Calibration Stds	VP136561		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136570,VP136571		

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120925

Review By	John Carlone	Review On	12/10/2025 8:35:12 AM
Supervise By	Maresh Dadoda	Supervise On	12/10/2025 11:33:33 AM
SubDirectory	VX120925	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136583		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136584,VP136585		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048767.D	09 Dec 2025 08:16	JC/MD	Ok
2	VSTDCCC050	VX048768.D	09 Dec 2025 09:25	JC/MD	Ok,M
3	VX1209WBL01	VX048769.D	09 Dec 2025 09:46	JC/MD	Ok
4	VX1209MBL01	VX048770.D	09 Dec 2025 10:06	JC/MD	Ok
5	Q3803-01	VX048771.D	09 Dec 2025 10:36	JC/MD	Not Ok
6	VX1209WBS01	VX048772.D	09 Dec 2025 10:56	JC/MD	Not Ok
7	VX1209WBS02	VX048773.D	09 Dec 2025 11:24	JC/MD	Ok,M
8	Q3788-01	VX048774.D	09 Dec 2025 11:45	JC/MD	Ok
9	Q3788-02MS	VX048775.D	09 Dec 2025 12:05	JC/MD	Not Ok
10	Q3788-03MSD	VX048776.D	09 Dec 2025 12:25	JC/MD	Ok,M
11	Q3803-01	VX048777.D	09 Dec 2025 12:46	JC/MD	Ok,M
12	Q3803-02	VX048778.D	09 Dec 2025 13:06	JC/MD	Ok,M
13	Q3803-03	VX048779.D	09 Dec 2025 13:26	JC/MD	Ok,M
14	Q3803-04	VX048780.D	09 Dec 2025 13:47	JC/MD	Ok
15	Q3803-05	VX048781.D	09 Dec 2025 14:07	JC/MD	Ok
16	Q3803-06	VX048782.D	09 Dec 2025 14:27	JC/MD	Ok
17	Q3803-07	VX048783.D	09 Dec 2025 14:48	JC/MD	Ok,M
18	Q3803-08	VX048784.D	09 Dec 2025 15:08	JC/MD	Dilution
19	Q3803-09	VX048785.D	09 Dec 2025 15:29	JC/MD	Dilution
20	Q3803-10	VX048786.D	09 Dec 2025 15:49	JC/MD	ReRun
21	Q3803-11	VX048787.D	09 Dec 2025 16:09	JC/MD	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120925

Review By	John Carlone	Review On	12/10/2025 8:35:12 AM
Supervise By	Maresh Dadoda	Supervise On	12/10/2025 11:33:33 AM
SubDirectory	VX120925	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136583		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136584,VP136585		

22	Q3803-12	VX048788.D	09 Dec 2025 16:30	JC/MD	ReRun
23	Q3803-13	VX048789.D	09 Dec 2025 16:50	JC/MD	ReRun
24	Q3803-14	VX048790.D	09 Dec 2025 17:11	JC/MD	Ok
25	IBLK	VX048791.D	09 Dec 2025 17:31	JC/MD	Ok
26	VX1209WBSD02	VX048792.D	09 Dec 2025 17:52	JC/MD	Not Ok
27	Q3788-02MS	VX048793.D	09 Dec 2025 18:12	JC/MD	Ok,M
28	VSTDCCC050	VX048794.D	09 Dec 2025 18:32	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX121025

Review By	Mahesh Dadoda	Review On	12/11/2025 11:58:26 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/11/2025 12:34:32 PM
SubDirectory	VX121025	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136598		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136599,VP136600		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048795.D	10 Dec 2025 09:13	JC/MD	Ok
2	VSTDCCC050	VX048796.D	10 Dec 2025 09:40	JC/MD	Ok,M
3	VX1210WBL01	VX048797.D	10 Dec 2025 10:10	JC/MD	Ok
4	VX1210MBL01	VX048798.D	10 Dec 2025 10:31	JC/MD	Ok
5	VX1210WBS01	VX048799.D	10 Dec 2025 10:58	JC/MD	Ok,M
6	VX1210WBSD01	VX048800.D	10 Dec 2025 11:26	JC/MD	Ok,M
7	Q3803-08DL	VX048801.D	10 Dec 2025 11:47	JC/MD	Ok
8	Q3803-09DL	VX048802.D	10 Dec 2025 12:07	JC/MD	Ok
9	Q3803-11	VX048803.D	10 Dec 2025 12:28	JC/MD	Ok
10	Q3803-12	VX048804.D	10 Dec 2025 12:48	JC/MD	Ok,M
11	Q3803-13RE	VX048805.D	10 Dec 2025 13:09	JC/MD	Confirms
12	IBLK	VX048806.D	10 Dec 2025 13:29	JC/MD	Ok
13	Q3787-07RE	VX048807.D	10 Dec 2025 13:49	JC/MD	Confirms
14	Q3787-09RE	VX048808.D	10 Dec 2025 14:10	JC/MD	Confirms
15	Q3787-11RE	VX048809.D	10 Dec 2025 14:30	JC/MD	Confirms
16	Q3787-13RE	VX048810.D	10 Dec 2025 14:51	JC/MD	Confirms
17	Q3787-17RE	VX048811.D	10 Dec 2025 15:11	JC/MD	Confirms
18	Q3787-19	VX048812.D	10 Dec 2025 15:32	JC/MD	Ok
19	Q3787-21	VX048813.D	10 Dec 2025 15:53	JC/MD	Ok
20	Q3788-07	VX048814.D	10 Dec 2025 16:13	JC/MD	Ok
21	Q3788-09RE	VX048815.D	10 Dec 2025 16:34	JC/MD	Confirms

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX121025

Review By	Mahesh Dadoda	Review On	12/11/2025 11:58:26 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/11/2025 12:34:32 PM
SubDirectory	VX121025	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136598		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136599,VP136600		

22	Q3788-11RE	VX048816.D	10 Dec 2025 16:54	JC/MD	Confirms
23	Q3776-01	VX048817.D	10 Dec 2025 17:15	JC/MD	ReRun
24	Q3776-02	VX048818.D	10 Dec 2025 17:35	JC/MD	ReRun
25	PB170875TB	VX048819.D	10 Dec 2025 17:56	JC/MD	Ok
26	VSTDCCC050	VX048820.D	10 Dec 2025 18:37	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch 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#	Sampleld	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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch 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 Initial Calibration Stds	VP136561		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136570,VP136571		

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-42.5-120425M	VX048750.D	08 Dec 2025 13:35	Not Spiked	JC/MD	Not Ok
11	Q3787-03MSD	MW-15B-42.5-120425M	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	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	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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120825

Review By	John Carlone	Review On	12/9/2025 8:11:51 AM
Supervise By	Maresh 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 Initial Calibration Stds	VP136561		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136570,VP136571		

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	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-42.5-120425M	VX048764.D	08 Dec 2025 18:22	vial A pH<2	JC/MD	Ok,M
25	Q3787-03MSD	MW-15B-42.5-120425M	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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120925

Review By	John Carlone	Review On	12/10/2025 8:35:12 AM
Supervise By	Maresh Dadoda	Supervise On	12/10/2025 11:33:33 AM
SubDirectory	VX120925	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136583		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136584,VP136585		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048767.D	09 Dec 2025 08:16		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048768.D	09 Dec 2025 09:25	pH#Lot#V12668	JC/MD	Ok,M
3	VX1209WBL01	VX1209WBL01	VX048769.D	09 Dec 2025 09:46		JC/MD	Ok
4	VX1209MBL01	VX1209MBL01	VX048770.D	09 Dec 2025 10:06		JC/MD	Ok
5	Q3803-01	CHASE-A	VX048771.D	09 Dec 2025 10:36	Need straight run	JC/MD	Not Ok
6	VX1209WBS01	VX1209WBS01	VX048772.D	09 Dec 2025 10:56	Recovery fail	JC/MD	Not Ok
7	VX1209WBS02	VX1209WBS02	VX048773.D	09 Dec 2025 11:24		JC/MD	Ok,M
8	Q3788-01	OWBR-05-135-120525	VX048774.D	09 Dec 2025 11:45	vial A pH<2	JC/MD	Ok
9	Q3788-02MS	OWBR-05-135-120525	VX048775.D	09 Dec 2025 12:05	Recovery Fail For Many Compund	JC/MD	Not Ok
10	Q3788-03MSD	OWBR-05-135-120525	VX048776.D	09 Dec 2025 12:25	vial A pH<2	JC/MD	Ok,M
11	Q3803-01	CHASE-A	VX048777.D	09 Dec 2025 12:46	vial A pH#5.0	JC/MD	Ok,M
12	Q3803-02	CHASE-B	VX048778.D	09 Dec 2025 13:06	vial A pH#5.0	JC/MD	Ok,M
13	Q3803-03	CHASE-C	VX048779.D	09 Dec 2025 13:26	vial A pH#5.0	JC/MD	Ok,M
14	Q3803-04	CHASE-D	VX048780.D	09 Dec 2025 13:47	vial A pH#5.0	JC/MD	Ok
15	Q3803-05	CHASE-E	VX048781.D	09 Dec 2025 14:07	vial A pH#5.0	JC/MD	Ok
16	Q3803-06	CHASE-F	VX048782.D	09 Dec 2025 14:27	vial A pH#5.0	JC/MD	Ok
17	Q3803-07	CHASE-G	VX048783.D	09 Dec 2025 14:48	vial A pH#5.0	JC/MD	Ok,M

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120925

Review By	John Carlone	Review On	12/10/2025 8:35:12 AM
Supervise By	Maresh Dadoda	Supervise On	12/10/2025 11:33:33 AM
SubDirectory	VX120925	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136583		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136584,VP136585		

18	Q3803-08	CHASE-H	VX048784.D	09 Dec 2025 15:08	vial A pH#5.0 Need 5X	JC/MD	Dilution
19	Q3803-09	CHASE-I	VX048785.D	09 Dec 2025 15:29	vial A pH#5.0 Need 10X	JC/MD	Dilution
20	Q3803-10	CHASE-J	VX048786.D	09 Dec 2025 15:49	Internal standard fail;Surrogate fail	JC/MD	ReRun
21	Q3803-11	CHASE-K	VX048787.D	09 Dec 2025 16:09	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
22	Q3803-12	CHASE-L	VX048788.D	09 Dec 2025 16:30	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
23	Q3803-13	CHASE-M	VX048789.D	09 Dec 2025 16:50	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
24	Q3803-14	CHASE-N	VX048790.D	09 Dec 2025 17:11	vial A pH#5.0	JC/MD	Ok
25	IBLK	IBLK	VX048791.D	09 Dec 2025 17:31		JC/MD	Ok
26	VX1209WBSD02	VX1209WBSD02	VX048792.D	09 Dec 2025 17:52	Recovery fail	JC/MD	Not Ok
27	Q3788-02MS	OWBR-05-135-120525	VX048793.D	09 Dec 2025 18:12	vial A pH<2	JC/MD	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX048794.D	09 Dec 2025 18:32		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX121025

Review By	Mahesh Dadoda	Review On	12/11/2025 11:58:26 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/11/2025 12:34:32 PM
SubDirectory	VX121025	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136598		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136599,VP136600		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048795.D	10 Dec 2025 09:13		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048796.D	10 Dec 2025 09:40	pH#lot#v14222	JC/MD	Ok,M
3	VX1210WBL01	VX1210WBL01	VX048797.D	10 Dec 2025 10:10		JC/MD	Ok
4	VX1210MBL01	VX1210MBL01	VX048798.D	10 Dec 2025 10:31		JC/MD	Ok
5	VX1210WBS01	VX1210WBS01	VX048799.D	10 Dec 2025 10:58		JC/MD	Ok,M
6	VX1210WBSD01	VX1210WBSD01	VX048800.D	10 Dec 2025 11:26		JC/MD	Ok,M
7	Q3803-08DL	CHASE-HDL	VX048801.D	10 Dec 2025 11:47	vial B pH#5.0	JC/MD	Ok
8	Q3803-09DL	CHASE-IDL	VX048802.D	10 Dec 2025 12:07	vial B pH#5.0	JC/MD	Ok
9	Q3803-11	CHASE-K	VX048803.D	10 Dec 2025 12:28	vial B pH#5.0	JC/MD	Ok
10	Q3803-12	CHASE-L	VX048804.D	10 Dec 2025 12:48	vial B pH#5.0	JC/MD	Ok,M
11	Q3803-13RE	CHASE-MRE	VX048805.D	10 Dec 2025 13:09	vial B pH#5.0 ,Surrogate Fail	JC/MD	Confirms
12	IBLK	IBLK	VX048806.D	10 Dec 2025 13:29		JC/MD	Ok
13	Q3787-07RE	OWBR-02-170-120425	VX048807.D	10 Dec 2025 13:49	vial B pH<2 ,Surrogate fail	JC/MD	Confirms
14	Q3787-09RE	OWBR-02-170-120425	VX048808.D	10 Dec 2025 14:10	vial B pH<2 ,Surrogate fail	JC/MD	Confirms
15	Q3787-11RE	OW-03B-51.5-120425R	VX048809.D	10 Dec 2025 14:30	vial B pH<2 Surrogate fail	JC/MD	Confirms
16	Q3787-13RE	OW-03B-51.5-120425-F	VX048810.D	10 Dec 2025 14:51	vial B pH<2 Surrogate fail	JC/MD	Confirms
17	Q3787-17RE	OW-08B-72.5-120425-F	VX048811.D	10 Dec 2025 15:11	vial B pH<2 Surrogate fail	JC/MD	Confirms
18	Q3787-19	OW-02B-21.2-120425	VX048812.D	10 Dec 2025 15:32	vial B pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX121025

Review By	Maresh Dadoda	Review On	12/11/2025 11:58:26 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/11/2025 12:34:32 PM
SubDirectory	VX121025	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136598		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136599,VP136600		

19	Q3787-21	TB01-120425	VX048813.D	10 Dec 2025 15:53	vial B pH<2 ,TB	JC/MD	Ok
20	Q3788-07	OW-01B-66.5-120525	VX048814.D	10 Dec 2025 16:13	vial B pH<2	JC/MD	Ok
21	Q3788-09RE	BR-05-465-120525RE	VX048815.D	10 Dec 2025 16:34	vial B pH<2 ,Surrogate fail	JC/MD	Confirms
22	Q3788-11RE	MW-16B-87.5-120525R	VX048816.D	10 Dec 2025 16:54	vial B pH<2 ,Surrogate fail	JC/MD	Confirms
23	Q3776-01	IDW-RAD-20251203	VX048817.D	10 Dec 2025 17:15	vial A pH<2 Surrogate fail	JC/MD	ReRun
24	Q3776-02	TB-20251203	VX048818.D	10 Dec 2025 17:35	vial A pH<2 ,TB;Surrogate fail	JC/MD	ReRun
25	PB170875TB	PB170875TB	VX048819.D	10 Dec 2025 17:56		JC/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VX048820.D	10 Dec 2025 18:37		JC/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3788	OrderDate:	12/5/2025 7:44:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3788-01	OWBR-05-135-12052 5	Water	VOCMS Group3	8260-Low	12/05/25		12/09/25	12/05/25
Q3788-04	OWBR-05-135-12052 5-SIM	Water	VOC-SIM	SFAM_VOCSI M	12/05/25		12/08/25	12/05/25
Q3788-07	OW-01B-66.5-120525	Water	VOCMS Group3	8260-Low	12/05/25		12/10/25	12/05/25
Q3788-08	OW-01B-66.5-120525 -SIM	Water	VOC-SIM	SFAM_VOCSI M	12/05/25		12/10/25	12/05/25
Q3788-09	BR-05-465-120525	Water	VOCMS Group3	8260-Low	12/05/25		12/08/25	12/05/25
Q3788-09RE	BR-05-465-120525RE	Water	VOCMS Group3	8260-Low	12/05/25		12/10/25	12/05/25
Q3788-10	BR-05-465-120525-SI M	Water	VOC-SIM	SFAM_VOCSI M	12/05/25		12/10/25	12/05/25
Q3788-10RE	BR-05-465-120525-SI MRE	Water	VOC-SIM	SFAM_VOCSI M	12/05/25		12/10/25	12/05/25
Q3788-11	MW-16B-87.5-120525	Water			12/05/25			12/05/25

LAB CHRONICLE

Q3788-11RE	MW-16B-87.5-120525 RE	Water	VOCMS Group3	8260-Low	12/08/25	12/05/25	12/05/25
			VOCMS Group3	8260-Low	12/10/25		
Q3788-12	MW-16B-87.5-120525 -SIM	Water	VOC-SIM	SFAM_VOCSI M	12/10/25	12/05/25	12/05/25
			VOCMS Group3 VOC-SIM	8260-Low SFAM_VOCSI M	12/08/25 12/08/25		
Q3788-13	TB01-120525	Water	VOC-SIM	SFAM_VOCSI M	12/10/25	12/05/25	12/05/25
			VOC-SIM	SFAM_VOCSI M	12/10/25		

Hit Summary Sheet
SW-846

SDG No.: Q3788
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q3788-04	OWBR-05-135-120525-SIM OWBR-05-135-120	Water	Vinyl chloride	0.65		0.020	0.020	ug/L
			Total Voc :	0.65				
			Total Concentration:	0.65				
Client ID: Q3788-10	BR-05-465-120525-SIM BR-05-465-120525-	Water	Vinyl chloride	0.060		0.020	0.020	ug/L
			Total Voc :	0.060				
			Total Concentration:	0.060				
Client ID: Q3788-10RE	BR-05-465-120525-SIMRE BR-05-465-120525-	Water	Vinyl chloride	0.080		0.020	0.020	ug/L
			Total Voc :	0.080				
			Total Concentration:	0.080				
Client ID: Q3788-12	MW-16B-87.5-120525-SIM MW-16B-87.5-1205	Water	Vinyl chloride	0.050		0.020	0.020	ug/L
			Total Voc :	0.050				
			Total Concentration:	0.050				



SAMPLE DATA

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: OWBR-05-135-120525-SIM
 Lab Sample ID: Q3788-04
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 Test: VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.65		1	0.020	0.020	ug/L	12/08/25 14:59	VV120825
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.51			40 - 130	102.6%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.79	*		70 - 130	157.2%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.42			60 - 140	83.6%	SPK: 0.5		
2037-26-5	Toluene-d8	0.50			70 - 130	100.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.53			65 - 120	106%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	6260							
540-36-3	1,4-Difluorobenzene	6770							
3855-82-1	1,4-Dichlorobenzene-d4	3160							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: OW-01B-66.5-120525-SIM
 Lab Sample ID: Q3788-08
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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	12/10/25 10:40	VV121025
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.53			40 - 130	106.4%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.44			70 - 130	87.4%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.40			60 - 140	79.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.45			70 - 130	89.4%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.51			65 - 120	101.8%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	6620							
540-36-3	1,4-Difluorobenzene	6760							
3855-82-1	1,4-Dichlorobenzene-d4	3450							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: BR-05-465-120525-SIM
 Lab Sample ID: Q3788-10
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 Test: VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.060		1	0.020	0.020	ug/L	12/10/25 11:02	VV121025
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.57			40 - 130	113.2%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.43			70 - 130	85.6%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.39			60 - 140	77.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.44			70 - 130	88.8%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	1.00	*		65 - 120	0.4%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	7530							
540-36-3	1,4-Difluorobenzene	7170							
3855-82-1	1,4-Dichlorobenzene-d4	4230							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: BR-05-465-120525-SIMRE
 Lab Sample ID: Q3788-10RE
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 Test: VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.080		1	0.020	0.020	ug/L	12/10/25 14:12	VV121025
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	87.2%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.38			60 - 140	76.6%	SPK: 0.5		
2037-26-5	Toluene-d8	0.44			70 - 130	87.4%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	1.00	*		65 - 120	0.8%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	6520							
540-36-3	1,4-Difluorobenzene	6030							
3855-82-1	1,4-Dichlorobenzene-d4	3750							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: MW-16B-87.5-120525-SIM
 Lab Sample ID: Q3788-12
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 Test: VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.050		1	0.020	0.020	ug/L	12/10/25 11:23	VV121025
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.56			40 - 130	111.2%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.43			70 - 130	85%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.43			60 - 140	85.4%	SPK: 0.5		
2037-26-5	Toluene-d8	0.47			70 - 130	93.8%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.52			65 - 120	103.8%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	6750							
540-36-3	1,4-Difluorobenzene	7570							
3855-82-1	1,4-Dichlorobenzene-d4	7640							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: TB01-120525
 Lab Sample ID: Q3788-13
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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	12/08/25 14:38	VV120825
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.58			40 - 130	116.8%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.46			70 - 130	92.4%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.42			60 - 140	84.8%	SPK: 0.5		
2037-26-5	Toluene-d8	0.46			70 - 130	92.8%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.53			65 - 120	105.4%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	5890							
540-36-3	1,4-Difluorobenzene	5980							
3855-82-1	1,4-Dichlorobenzene-d4	3060							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VHBLK001
 Lab Sample ID: Q3788-14
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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	12/10/25 15:16	VV121025
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	98.6%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.45			60 - 140	89.4%	SPK: 0.5		
2037-26-5	Toluene-d8	0.49			70 - 130	97.2%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.58			65 - 120	116%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	5820							
540-36-3	1,4-Difluorobenzene	5730							
3855-82-1	1,4-Dichlorobenzene-d4	2990							

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

Surrogate Summary

SDG No.: Q3788

Client: JACOBS Engineering Group, Inc.

Analytical Method: SWSFAM_VOCSIM

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3788-04	OWBR-05-135-120525-SIM	Vinyl chloride-d3	0.5	0.51	103		40	130
		1,2-Dichloroethane-d4	0.5	0.79	157	*	70	130
		1,2-Dichloropropane-d6	0.5	0.42	84		60	140
		Toluene-d8	0.5	0.50	101		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.53	106		65	120
Q3788-05MS	OWBR-05-135-120525-SIMMS	Vinyl chloride-d3	0.5	0.53	107		40	130
		1,2-Dichloroethane-d4	0.5	0.81	162	*	70	130
		1,2-Dichloropropane-d6	0.5	0.56	112		60	140
		Toluene-d8	0.5	0.53	106		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.54	108		65	120
Q3788-06MSD	OWBR-05-135-120525-SIMMSD	Vinyl chloride-d3	0.5	0.49	98		40	130
		1,2-Dichloroethane-d4	0.5	0.81	163	*	70	130
		1,2-Dichloropropane-d6	0.5	0.53	106		60	140
		Toluene-d8	0.5	0.51	101		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.51	102		65	120
Q3788-08	OW-01B-66.5-120525-SIM	Vinyl chloride-d3	0.5	0.53	106		40	130
		1,2-Dichloroethane-d4	0.5	0.44	87		70	130
		1,2-Dichloropropane-d6	0.5	0.40	79		60	140
		Toluene-d8	0.5	0.45	89		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.51	102		65	120
Q3788-10	BR-05-465-120525-SIM	Vinyl chloride-d3	0.5	0.57	113		40	130
		1,2-Dichloroethane-d4	0.5	0.43	86		70	130
		1,2-Dichloropropane-d6	0.5	0.39	77		60	140
		Toluene-d8	0.5	0.44	89		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0	0	*	65	120
Q3788-10RE	BR-05-465-120525-SIMRE	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	0.38	77		60	140
		Toluene-d8	0.5	0.44	87		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0	1	*	65	120
Q3788-12	MW-16B-87.5-120525-SIM	Vinyl chloride-d3	0.5	0.56	111		40	130
		1,2-Dichloroethane-d4	0.5	0.43	85		70	130
		1,2-Dichloropropane-d6	0.5	0.43	85		60	140
		Toluene-d8	0.5	0.47	94		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.52	104		65	120
Q3788-13	TB01-120525	Vinyl chloride-d3	0.5	0.58	117		40	130
		1,2-Dichloroethane-d4	0.5	0.46	92		70	130
		1,2-Dichloropropane-d6	0.5	0.42	85		60	140
		Toluene-d8	0.5	0.46	93		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.53	105		65	120
Q3788-14	VHBLK001	Vinyl chloride-d3	0.5	0.58	116		40	130
		1,2-Dichloroethane-d4	0.5	0.49	99		70	130
		1,2-Dichloropropane-d6	0.5	0.45	89		60	140
		Toluene-d8	0.5	0.49	97		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.58	116		65	120
VV1208WBL01	VBLK237	Vinyl chloride-d3	0.5	0.52	105		40	130
		1,2-Dichloroethane-d4	0.5	0.42	84		70	130
		1,2-Dichloropropane-d6	0.5	0.40	79		60	140
		Toluene-d8	0.5	0.46	92		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.51	102		65	120

Surrogate Summary

SDG No.: Q3788

Client: JACOBS Engineering Group, Inc.

Analytical Method: SWSFAM_VOCSIM

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VV1210WBL01	VBLK239	Vinyl chloride-d3	0.5	0.58	116		40	130
		1,2-Dichloroethane-d4	0.5	0.48	95		70	130
		1,2-Dichloropropane-d6	0.5	0.44	88		60	140
		Toluene-d8	0.5	0.50	100		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.55	111		65	120

A

B

C

D

E

F

G

H

I

J

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3788

Analytical Method: SWSFAM_VOCSIM

Client: JACOBS Engineering Group, Inc.

Datafile : VV039496.D

Parameter	Spike	Sample Result	Result	Units	Rec			RPD	Limits		
					Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3788-05MS	Client Sample ID :	OWBR-05-135-120525-SIMMS								
Vinyl chloride	0.5	0.65	1.10	ug/L	90				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: <u>Q3788</u>	Analytical Method: <u>SWSFAM_VOCSIM</u>
Client: <u>JACOBS Engineering Group, Inc</u>	Datafile : <u>VV039497.D</u>

Parameter	Spike	Sample Result	Result	Units	Rec			RPD	Limits		
					Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q3788-06MSD	Client Sample ID :	OWBR-05-135-120525-SIMMSD								
Vinyl chloride	0.5	0.65	1.10	ug/L	90		3		70	130	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VBK237

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3788

Lab File ID: VV039487.D

Lab Sample ID: VV1208WBL01

Date Analyzed: 12/08/2025

Time Analyzed: 10:11

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
TB01-120525	Q3788-13	VV039491.D	12/08/2025
OWBR-05-135-120525-SIM	Q3788-04	VV039492.D	12/08/2025
OWBR-05-135-120525-SIMMS	Q3788-05MS	VV039496.D	12/08/2025
OWBR-05-135-120525-SIMMSD	Q3788-06MSD	VV039497.D	12/08/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VBLK239

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3788

Lab File ID: VV039518.D

Lab Sample ID: VV1210WBL01

Date Analyzed: 12/10/2025

Time Analyzed: 09:36

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
OW-01B-66.5-120525-SIM	Q3788-08	VV039520.D	12/10/2025
BR-05-465-120525-SIM	Q3788-10	VV039521.D	12/10/2025
MW-16B-87.5-120525-SIM	Q3788-12	VV039522.D	12/10/2025
BR-05-465-120525-SIMRE	Q3788-10RE	VV039528.D	12/10/2025
VHBLK001	Q3788-14	VV039531.D	12/10/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VV039444.D
Instrument ID: MSVOA_V
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05
SDG NO.: Q3788
BFB Injection Date: 12/03/2025
BFB Injection Time: 09:23
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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VV039485.D
Instrument ID: MSVOA_V
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05
SDG NO.: Q3788
BFB Injection Date: 12/08/2025
BFB Injection Time: 08:14
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	49.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.6 (1.7) 1
174	50.0 - 100.0% of mass 95	91.9
175	5.0 - 9.0% of mass 174	7 (7.7) 1
176	95.0 - 101.0% of mass 174	88.2 (96) 1
177	5.0 - 9.0% of mass 176	5.8 (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
VSTD0.5337	VSTDCCC0.5	VV039486.D	12/08/2025	09:00
VBLK237	VV1208WBL01	VV039487.D	12/08/2025	10:11
TB01-120525	Q3788-13	VV039491.D	12/08/2025	14:38
OWBR-05-135-120525-SIM	Q3788-04	VV039492.D	12/08/2025	14:59
OWBR-05-135-120525-SIMMS	Q3788-05MS	VV039496.D	12/08/2025	16:24
OWBR-05-135-120525-SIMMSD	Q3788-06MSD	VV039497.D	12/08/2025	16:45
VSTD0.5338	VSTDCCC0.5EC	VV039499.D	12/08/2025	17:27

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3788

Lab File ID: VV039516.D

BFB Injection Date: 12/10/2025

Instrument ID: MSVOA_V

BFB Injection Time: 08:29

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	19.1
75	30.0 - 60.0% of mass 95	49.6
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	94.9
175	5.0 - 9.0% of mass 174	7.2 (7.6) 1
176	95.0 - 101.0% of mass 174	90.7 (95.5) 1
177	5.0 - 9.0% of mass 176	6 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD0.5341	VSTDCCC0.5	VV039517.D	12/10/2025	09:10
VBLK239	VV1210WBL01	VV039518.D	12/10/2025	09:36
OW-01B-66.5-120525-SIM	Q3788-08	VV039520.D	12/10/2025	10:40
BR-05-465-120525-SIM	Q3788-10	VV039521.D	12/10/2025	11:02
MW-16B-87.5-120525-SIM	Q3788-12	VV039522.D	12/10/2025	11:23
BR-05-465-120525-SIMRE	Q3788-10RE	VV039528.D	12/10/2025	14:12
VHBLK001	Q3788-14	VV039531.D	12/10/2025	15:16
VSTD0.5342	VSTDCCC0.5EC	VV039532.D	12/10/2025	15:47

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05
Lab Code: ACE SDG NO.: Q3788
Lab File ID: VV039486.D Date Analyzed: 12/08/2025
Instrument ID: MSVOA_V Time Analyzed: 09:00
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	6968	5.57	7021	8.79	3931	11.18
UPPER LIMIT	13936	5.736	14042	8.955	7862	11.345
LOWER LIMIT	3484	5.396	3510.5	8.615	1965.5	11.005
EPA SAMPLE NO.						
OWBR-05-135-120525-SIM	6770	5.57	6255	8.80	3155	11.20
OWBR-05-135-120525-SIMMS	7409	5.57	7334	8.78	4127	11.18
OWBR-05-135-120525-SIMMSD	7167	5.57	7036	8.79	3963	11.18
TB01-120525	5977	5.57	5887	8.80	3057	11.20
VBLK237	7024	5.57	6420	8.79	3401	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05
Lab Code: ACE SDG NO.: Q3788
Lab File ID: VV039517.D Date Analyzed: 12/10/2025
Instrument ID: MSVOA_V Time Analyzed: 09:10
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	6796	5.57	6633	8.79	3778	11.18
UPPER LIMIT	13592	5.736	13266	8.955	7556	11.345
LOWER LIMIT	3398	5.396	3316.5	8.615	1889	11.005
EPA SAMPLE NO.						
OW-01B-66.5-120525-SIM	6755	5.57	6616	8.80	3449	11.20
BR-05-465-120525-SIM	7171	5.57	7534	8.79	4229	11.18
BR-05-465-120525-SIMRE	6027	5.57	6521	8.80	3749	11.18
MW-16B-87.5-120525-SIM	7573	5.57	6749	8.79	7636 *	11.18
VHBLK001	5732	5.57	5821	8.80	2993	11.20
VBLK239	5966	5.57	5775	8.80	2945	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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VBLK237
 Lab Sample ID: VV1208WBL01
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected:
 Date Received:
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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	12/08/25 10:11	VV120825
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.52			40 - 130	104.8%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.42			70 - 130	83.8%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.40			60 - 140	79.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.46			70 - 130	91.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.51			65 - 120	101.6%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	6420							
540-36-3	1,4-Difluorobenzene	7020							
3855-82-1	1,4-Dichlorobenzene-d4	3400							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VBLK239
 Lab Sample ID: VV1210WBL01
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected:
 Date Received:
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 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	12/10/25 09:36	VV121025
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.58			40 - 130	116.4%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.48			70 - 130	95%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.44			60 - 140	88.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.50			70 - 130	99.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.55			65 - 120	110.8%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	5780							
540-36-3	1,4-Difluorobenzene	5970							
3855-82-1	1,4-Dichlorobenzene-d4	2950							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: OWBR-05-135-120525-SIM
 Lab Sample ID: Q3788-05MS
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 Test: VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	1.10		1	0.020	0.020	ug/L	12/08/25 16:24	VV120825
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.53			40 - 130	106.8%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.81	*		70 - 130	162%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.56			60 - 140	112.4%	SPK: 0.5		
2037-26-5	Toluene-d8	0.53			70 - 130	106.4%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.54			65 - 120	108.4%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	7330							
540-36-3	1,4-Difluorobenzene	7410							
3855-82-1	1,4-Dichlorobenzene-d4	4130							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: OWBR-05-135-120525-SIM
 Lab Sample ID: Q3788-06MSD
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/05/25
 Date Received: 12/05/25
 SDG No.: Q3788
 Matrix: Water
 % Solid: 0
 Test: VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	1.10		1	0.020	0.020	ug/L	12/08/25 16:45	VV120825
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.49			40 - 130	97.8%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.81	*		70 - 130	162.8%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.53			60 - 140	106.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.51			70 - 130	101%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.51			65 - 120	102%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	7040							
540-36-3	1,4-Difluorobenzene	7170							
3855-82-1	1,4-Dichlorobenzene-d4	3960							

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JAC005
 Lab Code: ACE SDG No.: Q3788
 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	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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3788</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>12/08/2025</u> <u>09:00</u>
Lab File ID:	<u>VV039486.D</u>	Init. Calib. Date(s):	<u>12/03/2025</u> <u>12/03/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:55</u> <u>12:18</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	1.090	0.01	0.8	30
Vinyl Chloride-d3	0.491	0.509	0.01	3.6	30
1,2-Dichloroethane-d4	0.333	0.316	0.01	-5	25
1,2-Dichloropropane-d6	0.422	0.435	0.1	3.2	20
Toluene-d8	0.712	0.682	0.2	-4.2	20
1,1,2,2-Tetrachloroethane-d2	0.238	0.247	0.01	3.9	25

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3788</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>12/08/2025 17:27</u>
Lab File ID:	<u>VV039499.D</u>	Init. Calib. Date(s):	<u>12/03/2025 12/03/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:55 12:18</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	1.098	0.01	1.5	50
Vinyl Chloride-d3	0.491	0.535	0.01	8.9	50
1,2-Dichloroethane-d4	0.333	0.324	0.01	-2.7	50
1,2-Dichloropropane-d6	0.422	0.439	0.1	4	50
Toluene-d8	0.712	0.685	0.2	-3.7	50
1,1,2,2-Tetrachloroethane-d2	0.238	0.262	0.01	10.4	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3788</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>12/10/2025</u> <u>09:10</u>
Lab File ID:	<u>VV039517.D</u>	Init. Calib. Date(s):	<u>12/03/2025</u> <u>12/03/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:55</u> <u>12:18</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	1.050	0.01	-3	30
Vinyl Chloride-d3	0.491	0.515	0.01	4.9	30
1,2-Dichloroethane-d4	0.333	0.316	0.01	-5.2	25
1,2-Dichloropropane-d6	0.422	0.449	0.1	6.4	20
Toluene-d8	0.712	0.694	0.2	-2.5	20
1,1,2,2-Tetrachloroethane-d2	0.238	0.250	0.01	5.1	25

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3788</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>12/10/2025 15:47</u>
Lab File ID:	<u>VV039532.D</u>	Init. Calib. Date(s):	<u>12/03/2025 12/03/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:55 12:18</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	1.038	0.01	-4.1	50
Vinyl Chloride-d3	0.491	0.483	0.01	-1.6	50
1,2-Dichloroethane-d4	0.333	0.322	0.01	-3.2	50
1,2-Dichloropropane-d6	0.422	0.413	0.1	-2.2	50
Toluene-d8	0.712	0.671	0.2	-5.7	50
1,1,2,2-Tetrachloroethane-d2	0.238	0.241	0.01	1.2	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

6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
 Data File : VV039492.D
 Acq On : 08 Dec 2025 14:59
 Operator : SY/MD
 Sample : Q3788-04
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 OWBR-05-135-120525-SIM

Quant Time: Dec 09 01:27:49 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)

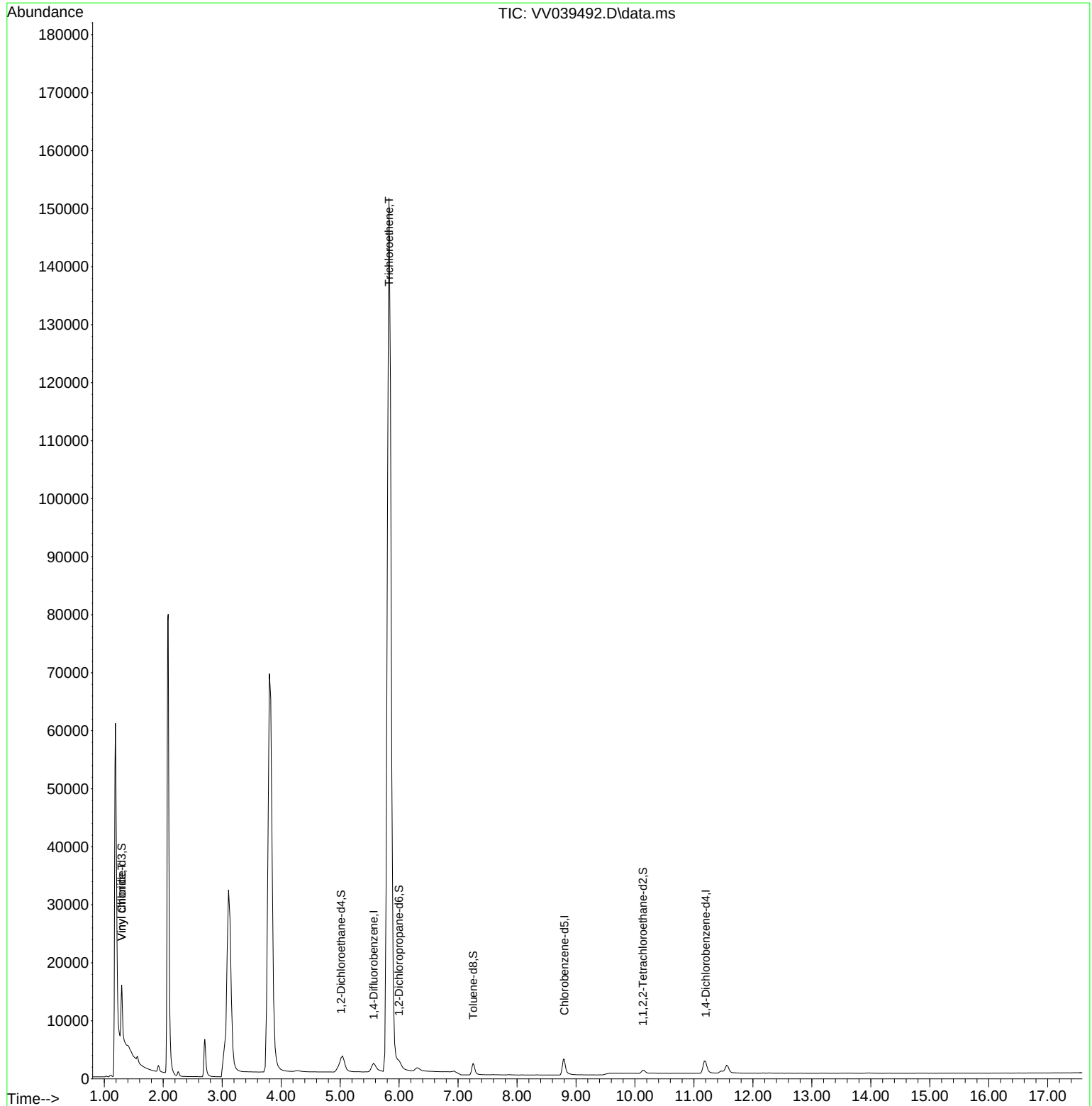
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6770	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6255	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3155	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3493	0.513	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 102.000%			
4) 1,2-Dichloroethane-d4	5.017	65	3545	0.786	ug/L	0.05
Spiked Amount 0.500	Range 70 - 130		Recovery = 158.000%#			
7) 1,2-Dichloropropane-d6	5.995	67	2208	0.418	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 84.000%			
8) Toluene-d8	7.253	98	4475	0.503	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 100.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1576	0.530	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 106.000%			
Target Compounds						
					Qvalue	
3) Vinyl chloride	1.294	62	9508	0.649	ug/L #	1
6) Trichloroethene	5.828	95	181618	23.426	ug/L	96

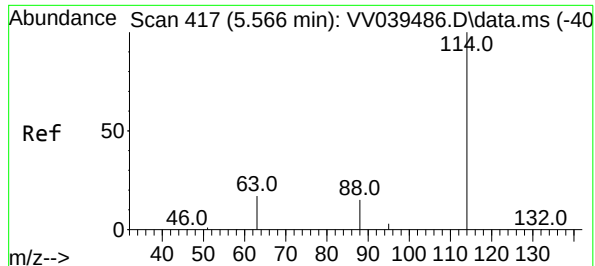
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
Data File : VV039492.D
Acq On : 08 Dec 2025 14:59
Operator : SY/MD
Sample : Q3788-04
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OWBR-05-135-120525-SIM

Quant Time: Dec 09 01:27:49 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# 417

Delta R.T. -0.000 min

Lab File: VV039492.D

Acq: 08 Dec 2025 14:59

Instrument :

MSVOA_V

ClientSampleId :

OWBR-05-135-120525-SIM

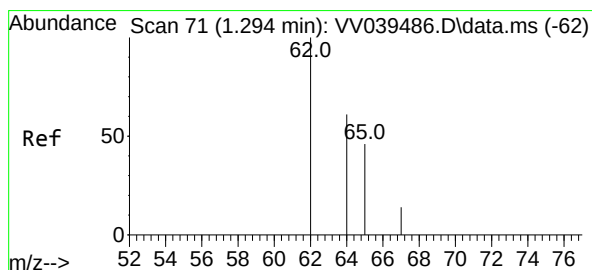
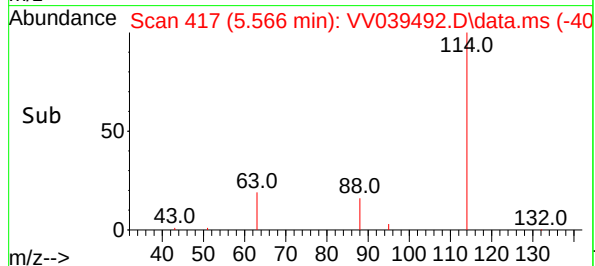
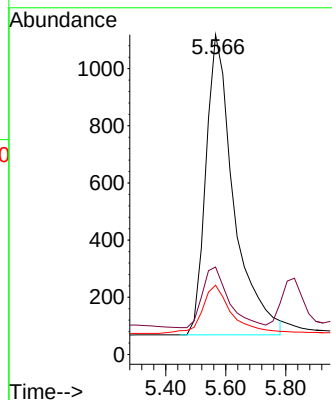
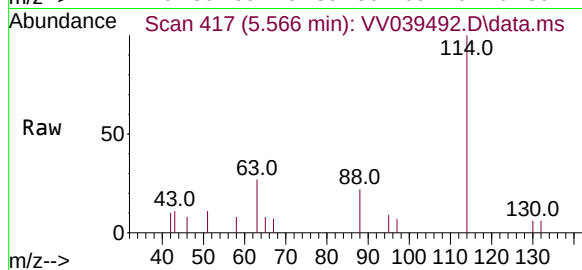
Tgt Ion:114 Resp: 6770

Ion Ratio Lower Upper

114 100

63 19.2 15.0 22.4

88 16.6 12.0 18.0



#2

Vinyl Chloride-d3

Concen: 0.513 ug/L

RT: 1.294 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV039492.D

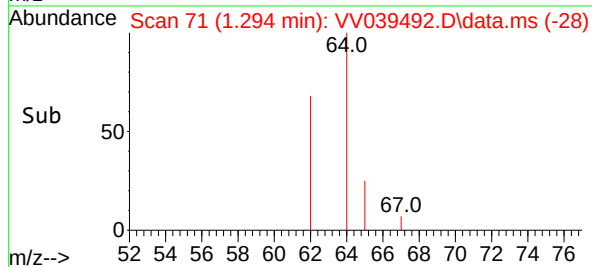
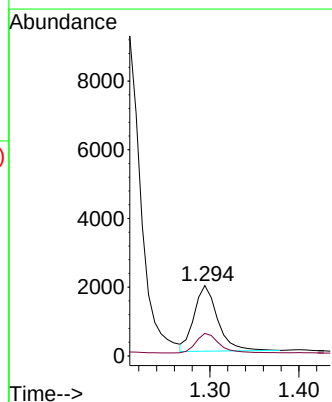
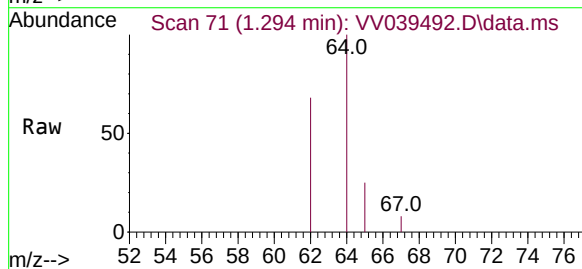
Acq: 08 Dec 2025 14:59

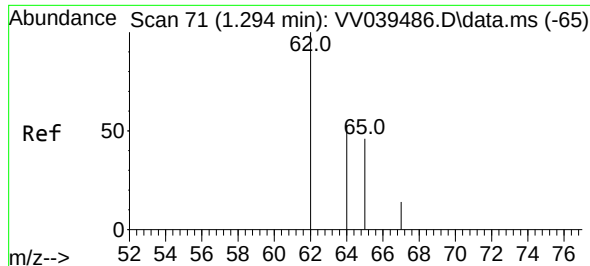
Tgt Ion: 65 Resp: 3493

Ion Ratio Lower Upper

65 100

67 29.4 22.3 41.5





#3

Vinyl chloride

Concen: 0.649 ug/L

RT: 1.294 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV039492.D

Acq: 08 Dec 2025 14:59

Instrument :

MSVOA_V

ClientSampleId :

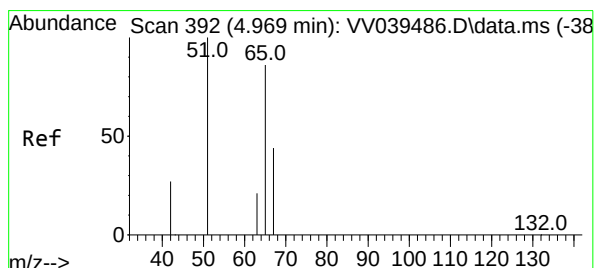
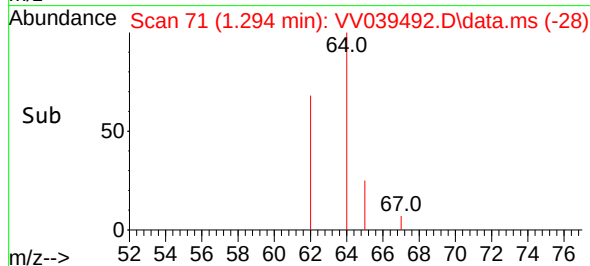
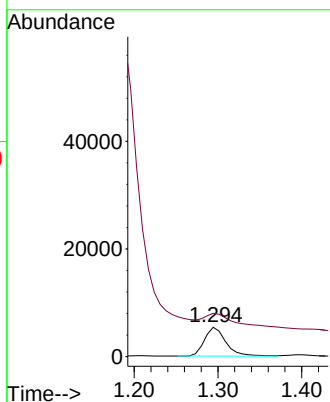
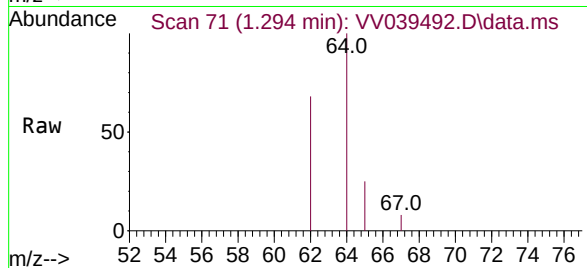
OWBR-05-135-120525-SIM

Tgt Ion: 62 Resp: 9508

Ion Ratio Lower Upper

62 100

64 147.1 24.8 46.0#



#4

1,2-Dichloroethane-d4

Concen: 0.786 ug/L

RT: 5.017 min Scan# 394

Delta R.T. 0.048 min

Lab File: VV039492.D

Acq: 08 Dec 2025 14:59

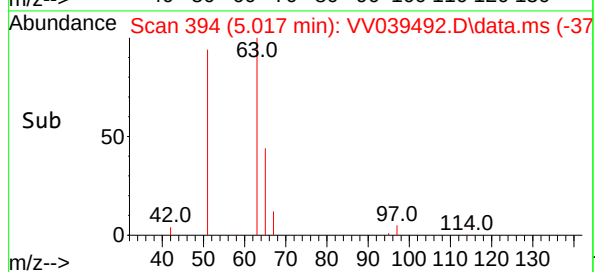
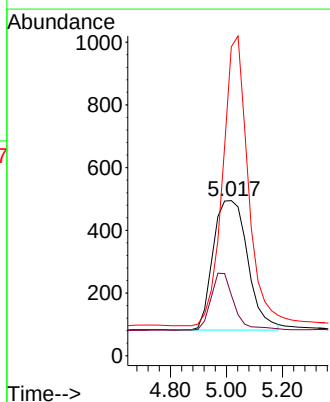
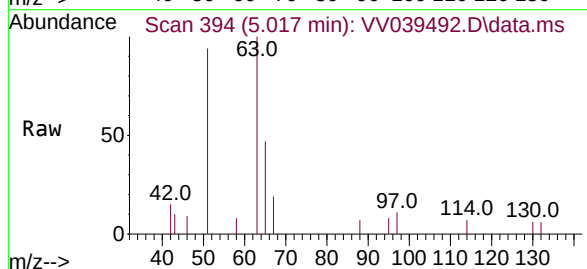
Tgt Ion: 65 Resp: 3545

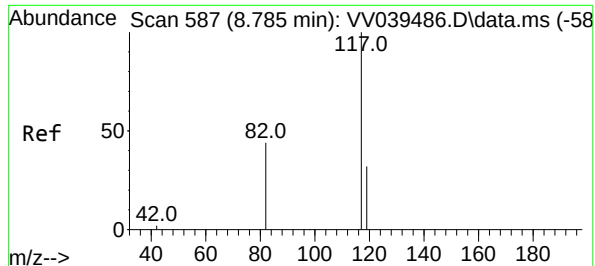
Ion Ratio Lower Upper

65 100

67 29.6 32.5 60.3#

51 163.6 121.4 225.6

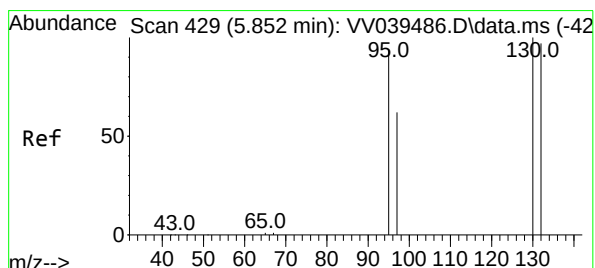
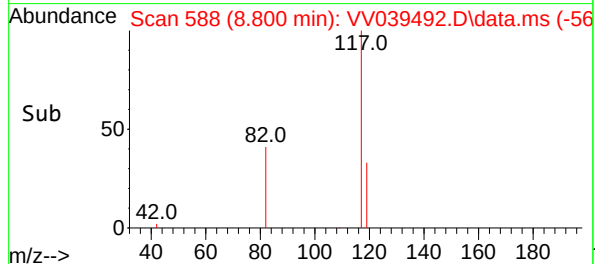
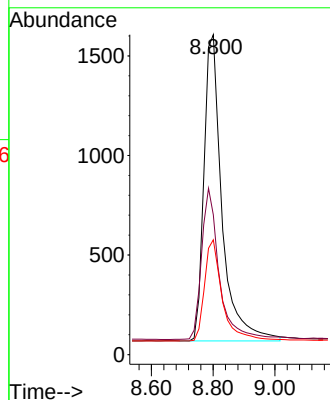
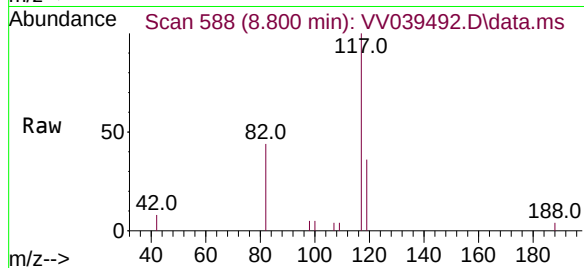




#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 587
Delta R.T. 0.015 min
Lab File: VV039492.D
Acq: 08 Dec 2025 14:59

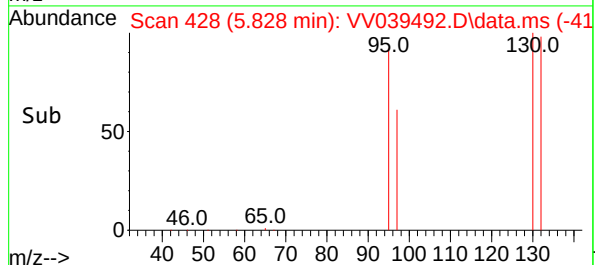
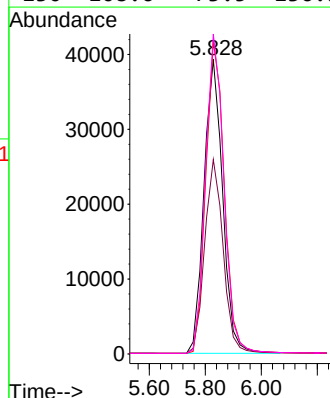
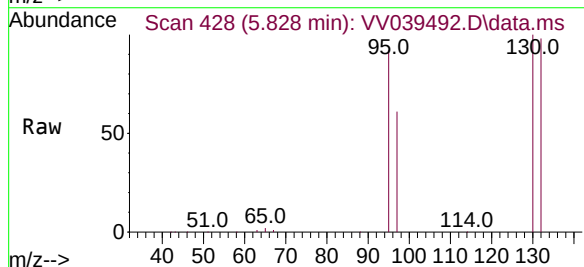
Instrument :
MSVOA_V
ClientSampleId :
OWBR-05-135-120525-SIM

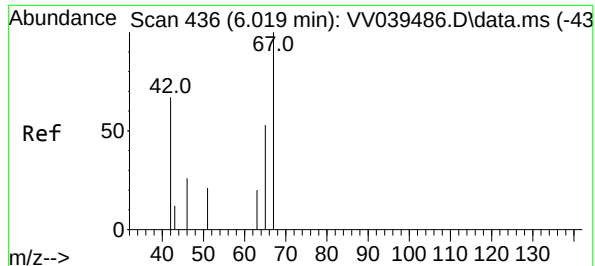
Tgt Ion:117	Resp:	6255
Ion	Ratio	Lower Upper
117	100	
82	48.5	39.4 59.2
119	32.7	26.2 39.2



#6
Trichloroethene
Concen: 23.426 ug/L
RT: 5.828 min Scan# 428
Delta R.T. -0.024 min
Lab File: VV039492.D
Acq: 08 Dec 2025 14:59

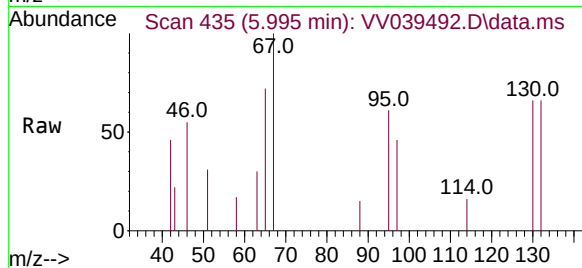
Tgt Ion: 95	Resp:	181618
Ion	Ratio	Lower Upper
95	100	
97	66.0	47.7 88.7
132	106.1	70.8 131.4
130	108.6	73.5 136.5



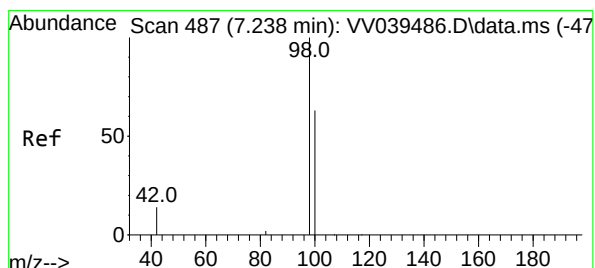
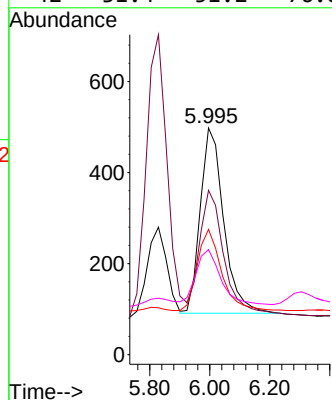
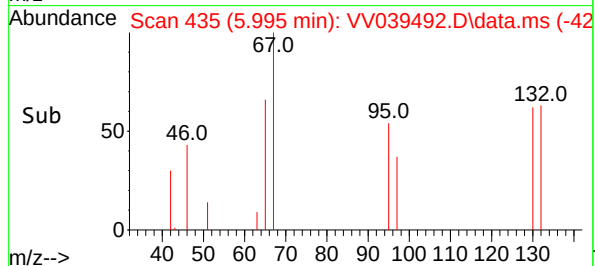


#7
1,2-Dichloropropane-d6
Concen: 0.418 ug/L
RT: 5.995 min Scan# 436
Delta R.T. -0.024 min
Lab File: VV039492.D
Acq: 08 Dec 2025 14:59

Instrument : MSVOA_V
ClientSampleId : OWBR-05-135-120525-SIM

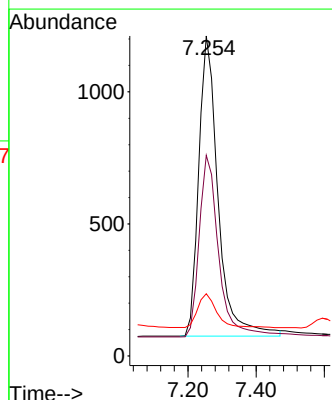
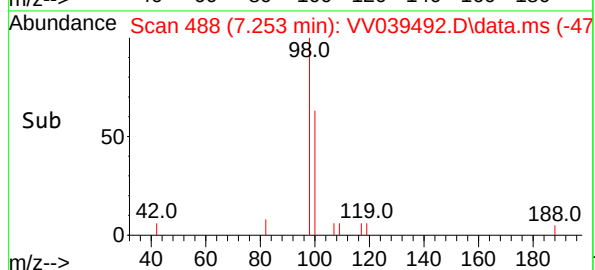
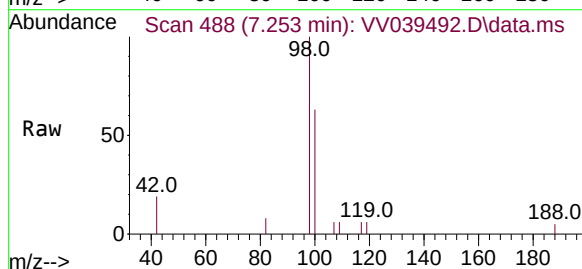


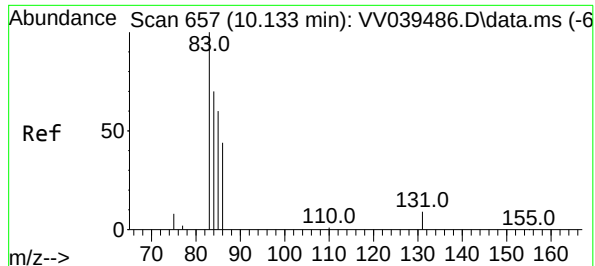
Tgt Ion:	67	Resp:	2208
Ion	Ratio	Lower	Upper
67	100		
65	66.7	37.9	56.9#
46	44.6	27.4	41.0#
42	31.4	51.2	76.8#



#8
Toluene-d8
Concen: 0.503 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039492.D
Acq: 08 Dec 2025 14:59

Tgt Ion:	98	Resp:	4475
Ion	Ratio	Lower	Upper
98	100		
100	61.1	44.5	82.7
42	11.2	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.530 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039492.D

Acq: 08 Dec 2025 14:59

Instrument :

MSVOA_V

ClientSampleId :

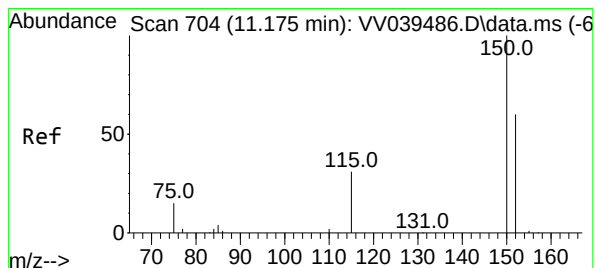
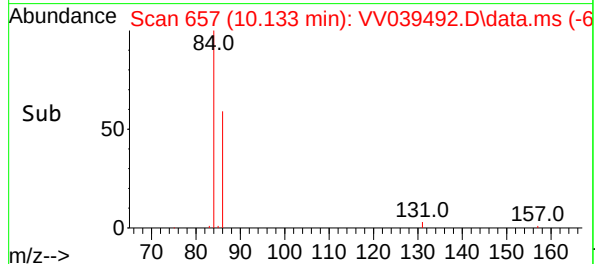
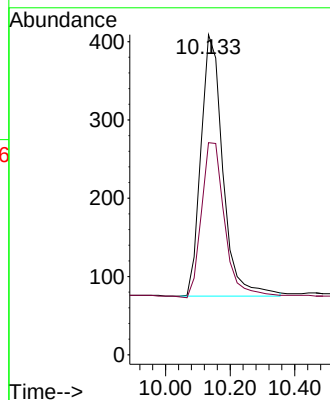
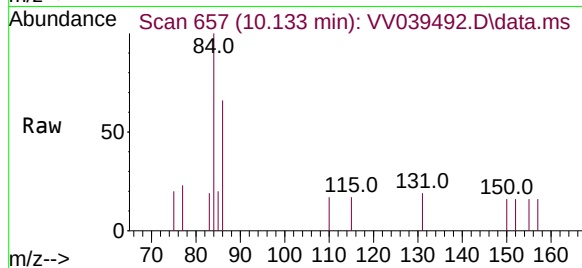
OWBR-05-135-120525-SIM

Tgt Ion: 84 Resp: 1576

Ion Ratio Lower Upper

84 100

86 62.1 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: VV039492.D

Acq: 08 Dec 2025 14:59

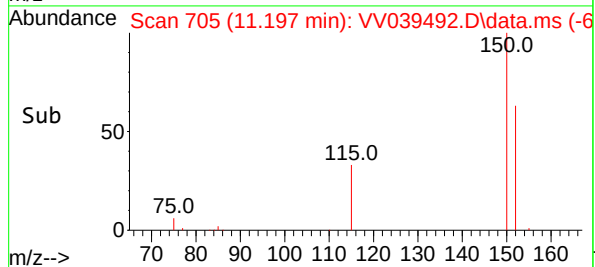
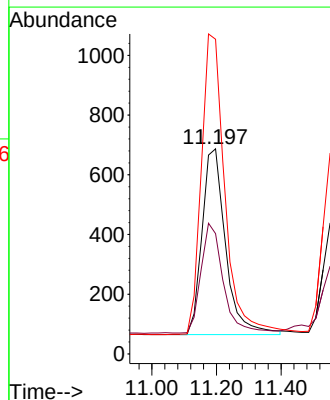
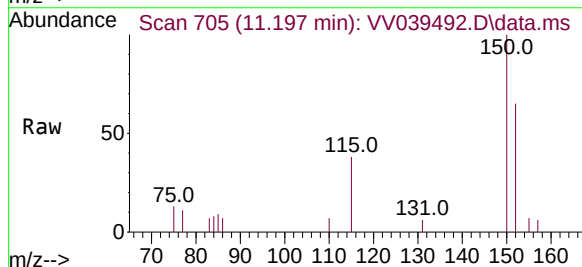
Tgt Ion:152 Resp: 3155

Ion Ratio Lower Upper

152 100

115 55.6 0.0 101.6

150 161.5 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039520.D
Acq On : 10 Dec 2025 10:40
Operator : SY/MD
Sample : Q3788-08
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OW-01B-66.5-120525-SIM

Quant Time: Dec 11 00:05:37 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)

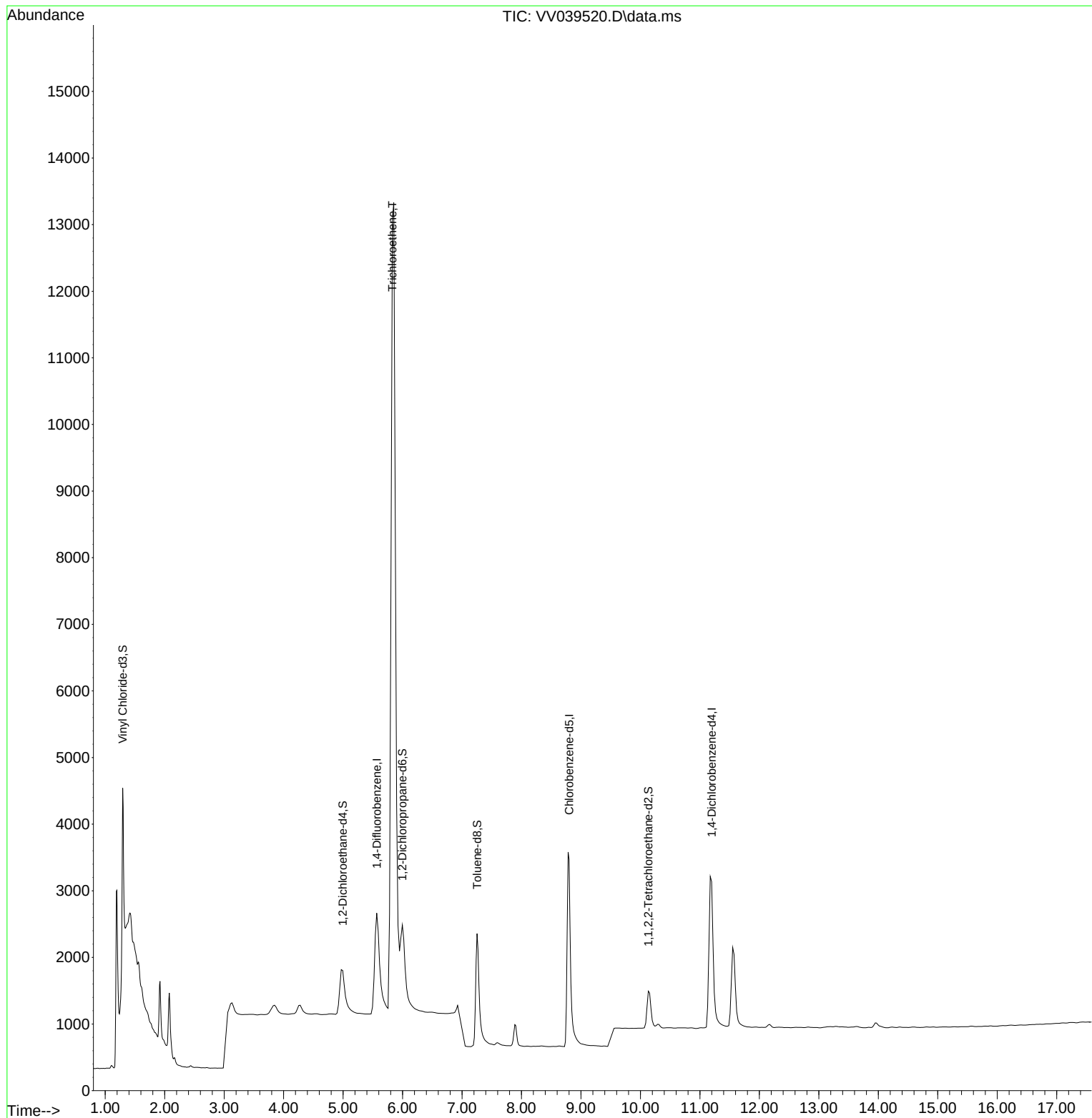
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6755	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6616	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.198	152	3449	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	3530	0.532	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	106.000%
4) 1,2-Dichloroethane-d4	4.994	65	1966	0.437	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	88.000%
7) 1,2-Dichloropropane-d6	5.996	67	2210	0.396	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	80.000%
8) Toluene-d8	7.254	98	4208	0.447	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	90.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1600	0.509	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	102.000%
Target Compounds						
6) Trichloroethene	5.829	95	17417	2.171	ug/L	Qvalue 91

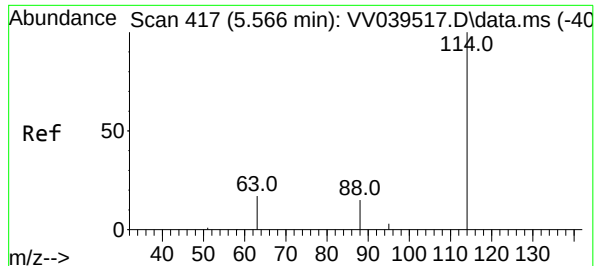
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039520.D
Acq On : 10 Dec 2025 10:40
Operator : SY/MD
Sample : Q3788-08
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OW-01B-66.5-120525-SIM

Quant Time: Dec 11 00:05:37 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# 417

Delta R.T. 0.000 min

Lab File: VV039520.D

Acq: 10 Dec 2025 10:40

Instrument :

MSVOA_V

ClientSampleId :

OW-01B-66.5-120525-SIM

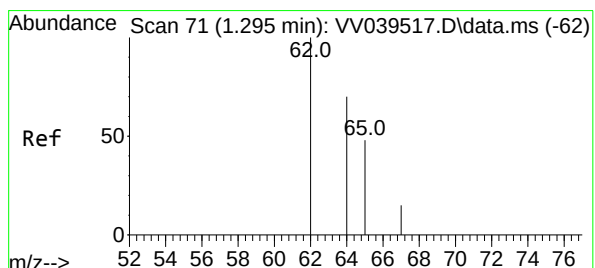
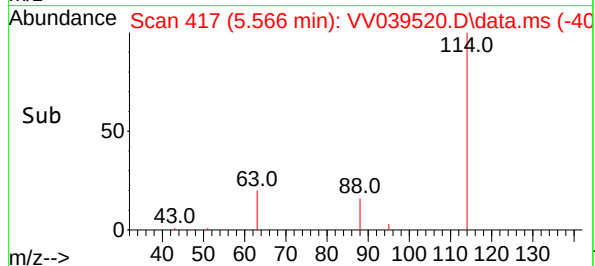
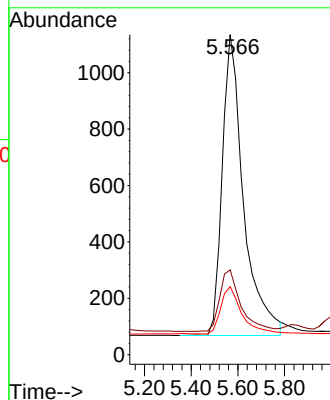
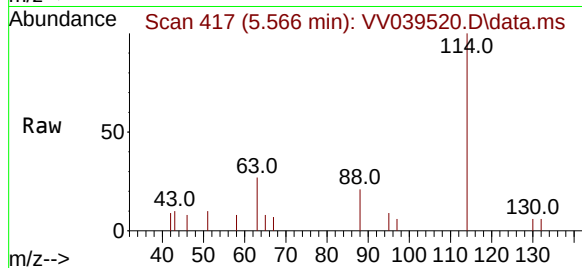
Tgt Ion:114 Resp: 6755

Ion Ratio Lower Upper

114 100

63 20.1 15.0 22.4

88 15.3 12.0 18.0



#2

Vinyl Chloride-d3

Concen: 0.532 ug/L

RT: 1.295 min Scan# 71

Delta R.T. 0.001 min

Lab File: VV039520.D

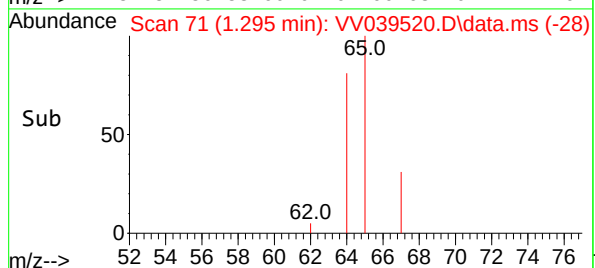
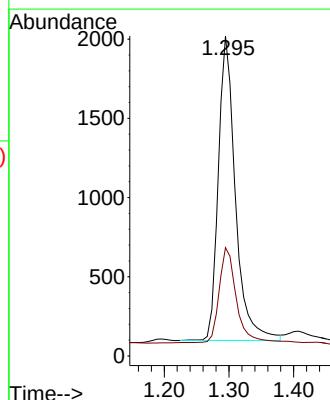
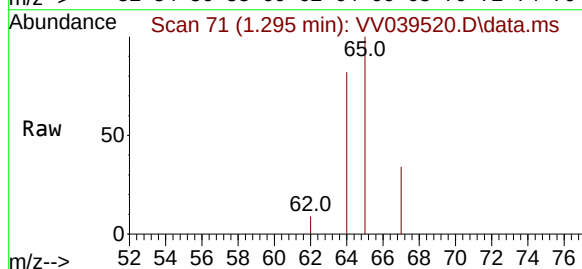
Acq: 10 Dec 2025 10:40

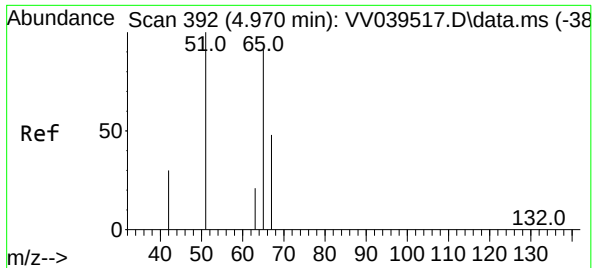
Tgt Ion: 65 Resp: 3530

Ion Ratio Lower Upper

65 100

67 32.9 22.3 41.5

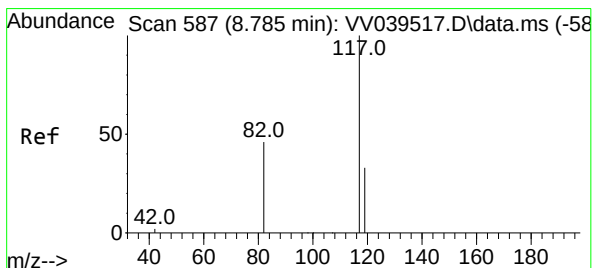
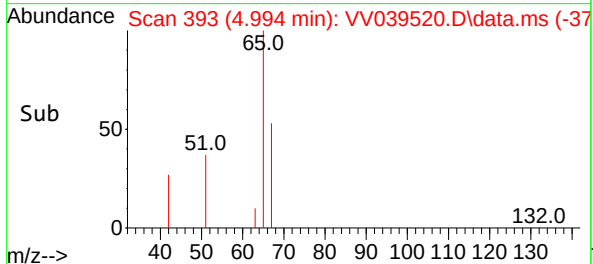
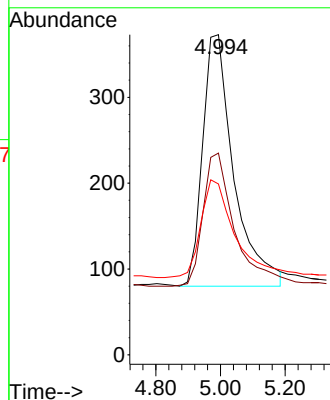
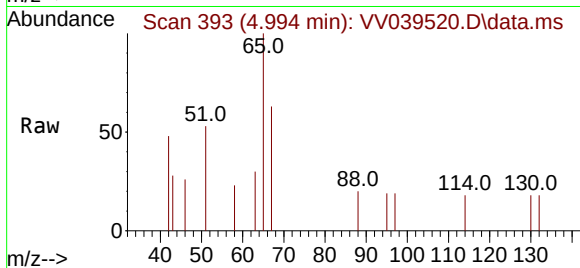




#4
1,2-Dichloroethane-d4
Concen: 0.437 ug/L
RT: 4.994 min Scan# 392
Delta R.T. 0.025 min
Lab File: VV039520.D
Acq: 10 Dec 2025 10:40

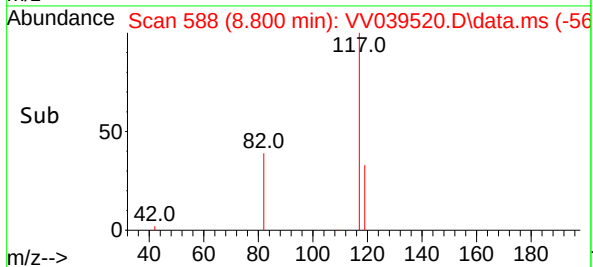
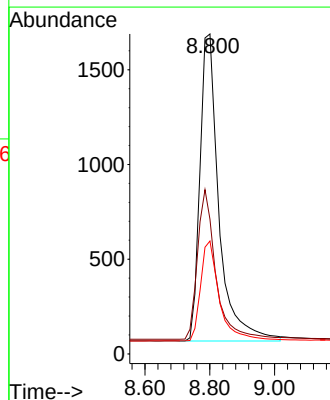
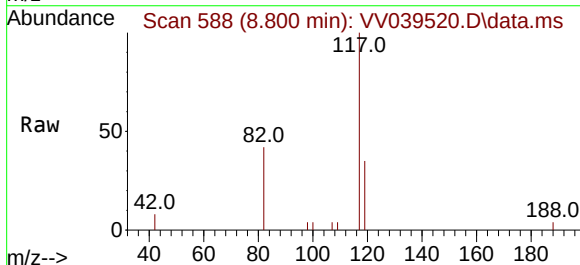
Instrument :
MSVOA_V
ClientSampleId :
OW-01B-66.5-120525-SIM

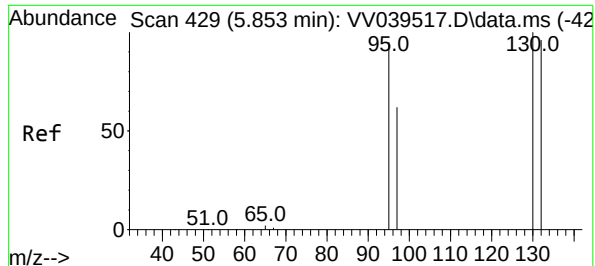
Tgt Ion: 65 Resp: 1966
Ion Ratio Lower Upper
65 100
67 53.5 32.5 60.3
51 42.1 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039520.D
Acq: 10 Dec 2025 10:40

Tgt Ion: 117 Resp: 6616
Ion Ratio Lower Upper
117 100
82 47.1 39.4 59.2
119 32.2 26.2 39.2



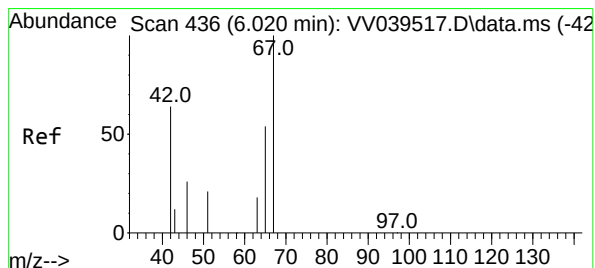
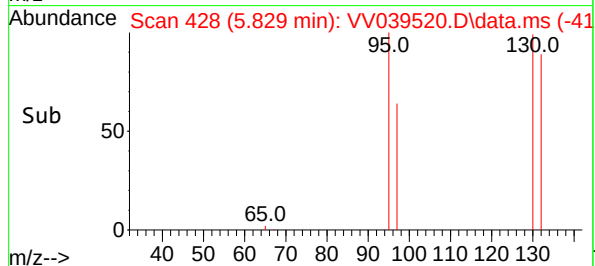
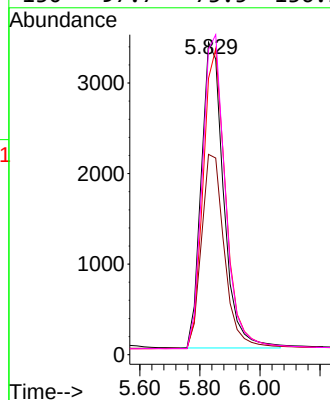
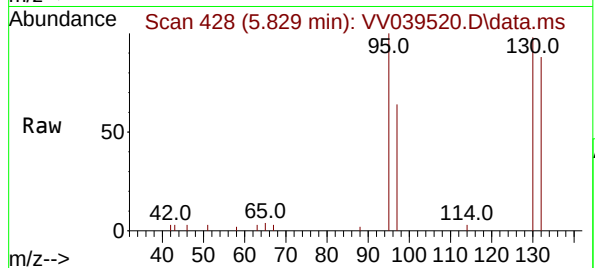


#6
 Trichloroethene
 Concen: 2.171 ug/L
 RT: 5.829 min Scan# 41
 Delta R.T. -0.023 min
 Lab File: VV039520.D
 Acq: 10 Dec 2025 10:40

Instrument :
 MSVOA_V
 ClientSampleId :
 OW-01B-66.5-120525-SIM

Tgt Ion: 95 Resp: 17417

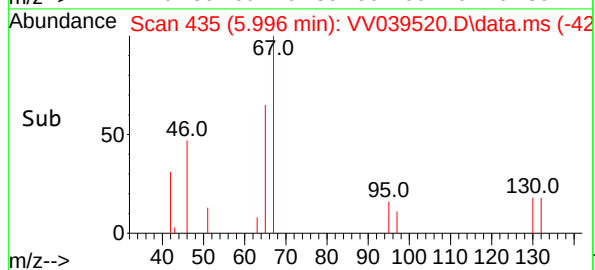
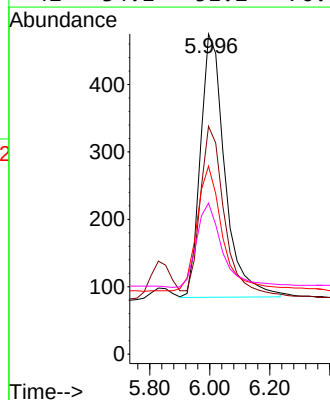
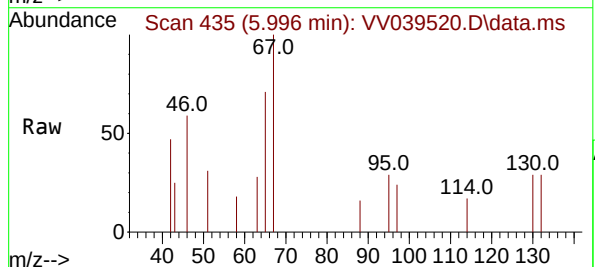
Ion	Ratio	Lower	Upper
95	100		
97	64.1	47.7	88.7
132	88.4	70.8	131.4
130	97.7	73.5	136.5

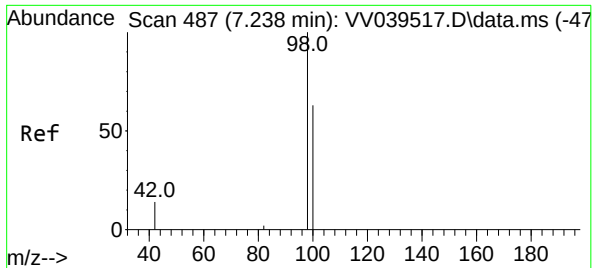


#7
 1,2-Dichloropropane-d6
 Concen: 0.396 ug/L
 RT: 5.996 min Scan# 435
 Delta R.T. -0.023 min
 Lab File: VV039520.D
 Acq: 10 Dec 2025 10:40

Tgt Ion: 67 Resp: 2210

Ion	Ratio	Lower	Upper
67	100		
65	62.7	37.9	56.9#
46	50.8	27.4	41.0#
42	34.1	51.2	76.8#

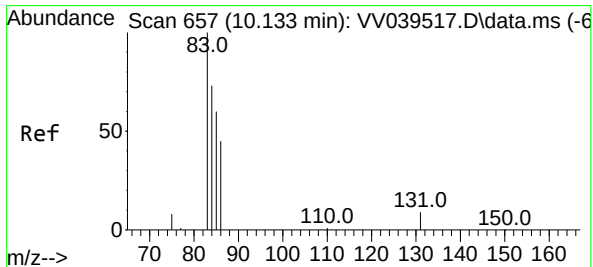
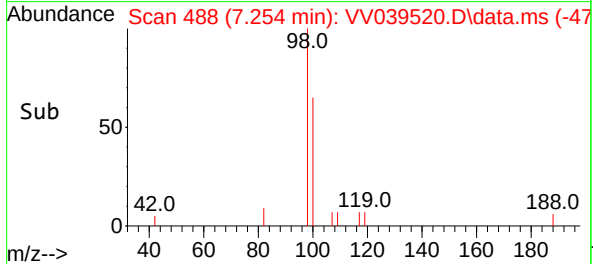
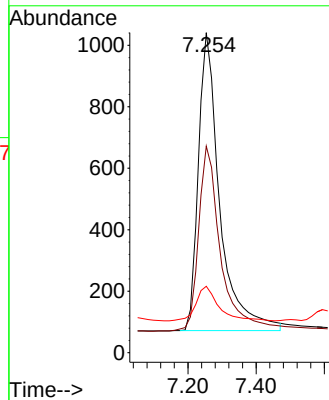
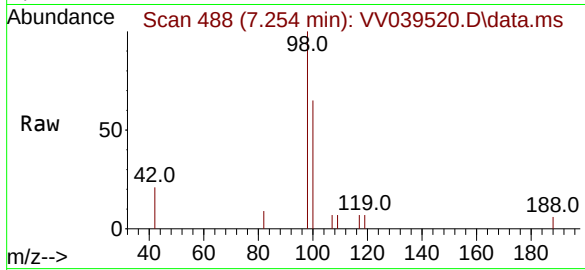




#8
Toluene-d8
Concen: 0.447 ug/L
RT: 7.254 min Scan# 41
Delta R.T. 0.016 min
Lab File: VV039520.D
Acq: 10 Dec 2025 10:40

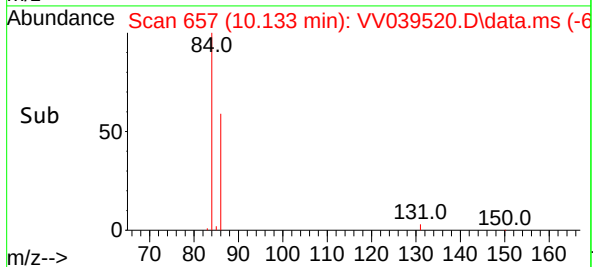
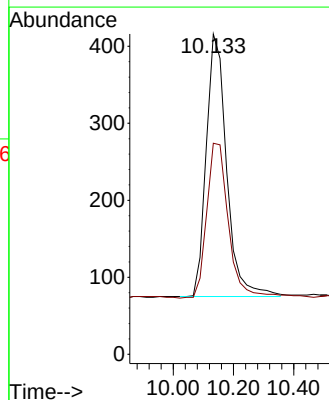
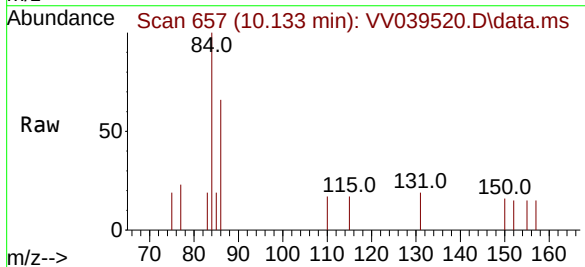
Instrument :
MSVOA_V
ClientSampleId :
OW-01B-66.5-120525-SIM

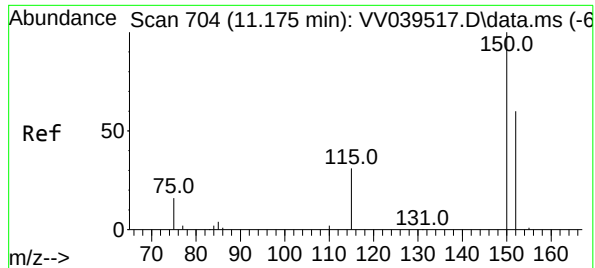
Tgt Ion:	98	Resp:	4208
Ion	Ratio	Lower	Upper
98	100		
100	63.0	44.5	82.7
42	12.1	10.1	18.7



#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.509 ug/L
RT: 10.133 min Scan# 657
Delta R.T. -0.000 min
Lab File: VV039520.D
Acq: 10 Dec 2025 10:40

Tgt Ion:	84	Resp:	1600
Ion	Ratio	Lower	Upper
84	100		
86	63.1	44.4	82.5





#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.198 min Scan# 70

Delta R.T. 0.022 min

Lab File: VV039520.D

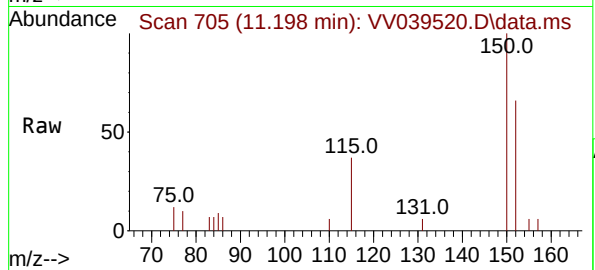
Acq: 10 Dec 2025 10:40

Instrument :

MSVOA_V

ClientSampleId :

OW-01B-66.5-120525-SIM



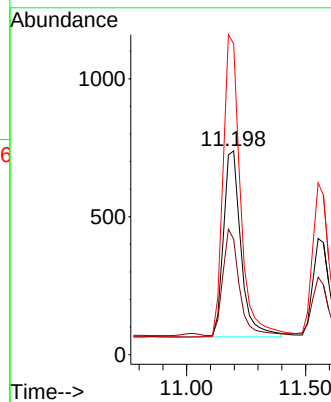
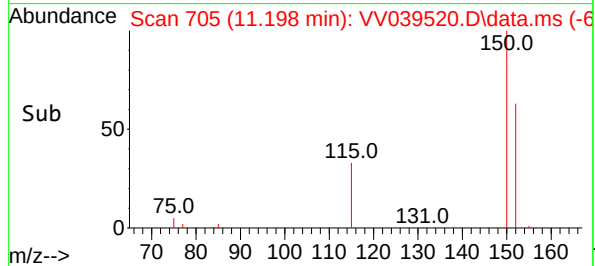
Tgt Ion:152 Resp: 3449

Ion Ratio Lower Upper

152 100

115 53.6 0.0 101.6

150 159.8 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
 Data File : VV039521.D
 Acq On : 10 Dec 2025 11:02
 Operator : SY/MD
 Sample : Q3788-10
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BR-05-465-120525-SIM

Quant Time: Dec 11 00:05:48 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)

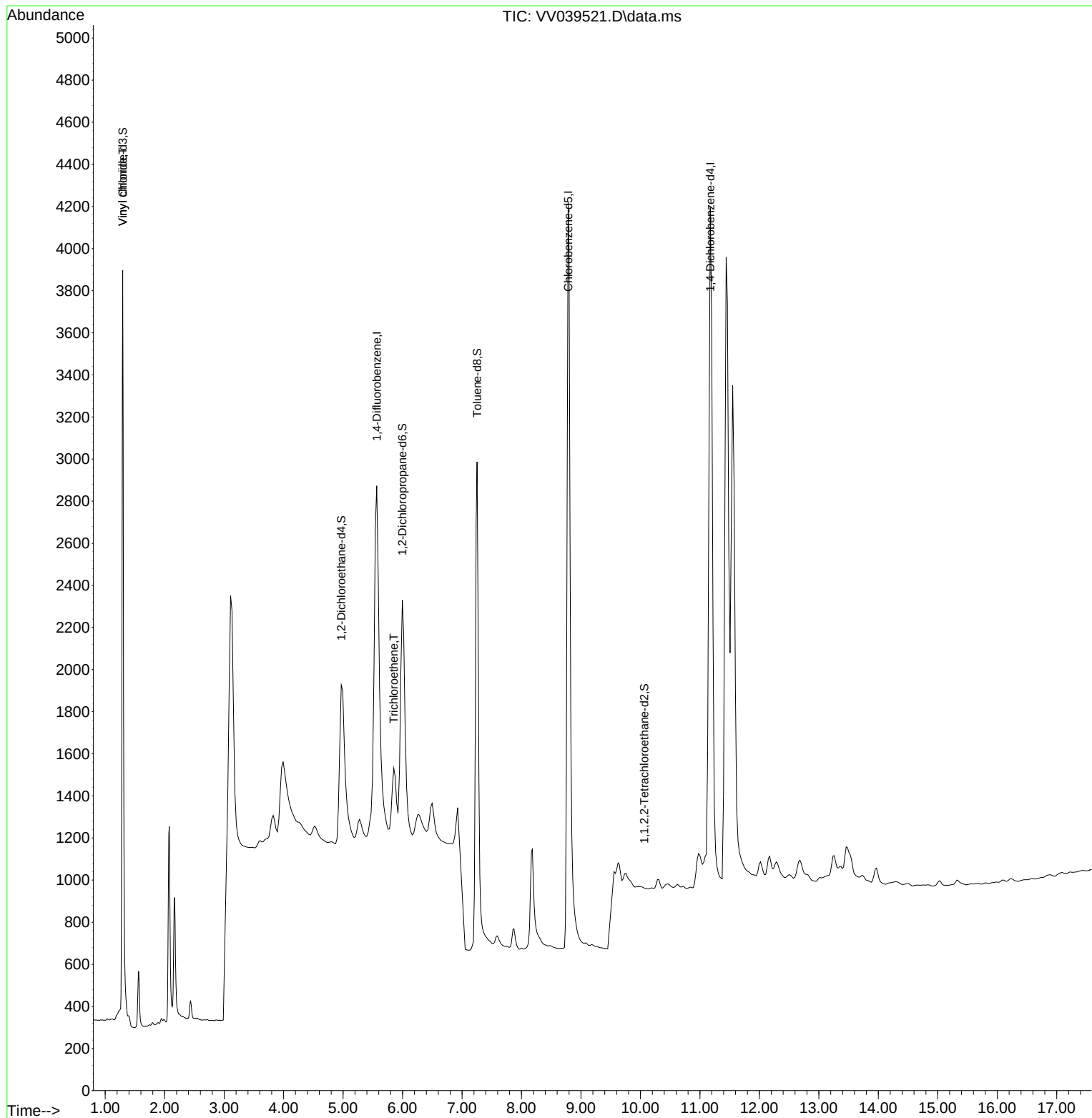
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7171	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	7534	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.175	152	4229	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3982	0.566	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	114.000%
4) 1,2-Dichloroethane-d4	4.970	65	2043	0.428	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	86.000%
7) 1,2-Dichloropropane-d6	5.996	67	2454	0.386	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	78.000%
8) Toluene-d8	7.254	98	4760	0.444	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	88.000%
10) 1,1,2,2-Tetrachloroeth...	10.066	84	7	0.002	ug/L	-0.07
Spiked Amount	0.500	Range	65 - 120	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
3) Vinyl chloride	1.294	62	993	0.064	ug/L #	76
6) Trichloroethene	5.852	95	428	0.047	ug/L	91

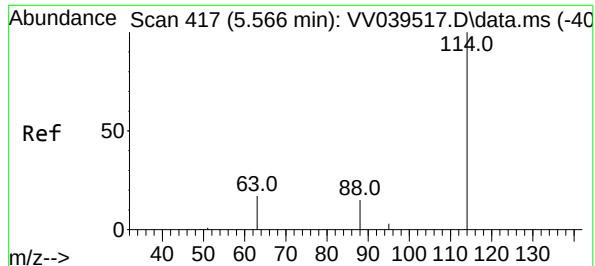
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039521.D
Acq On : 10 Dec 2025 11:02
Operator : SY/MD
Sample : Q3788-10
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BR-05-465-120525-SIM

Quant Time: Dec 11 00:05:48 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# 417

Delta R.T. 0.000 min

Lab File: VV039521.D

Acq: 10 Dec 2025 11:02

Instrument :

MSVOA_V

ClientSampleId :

BR-05-465-120525-SIM

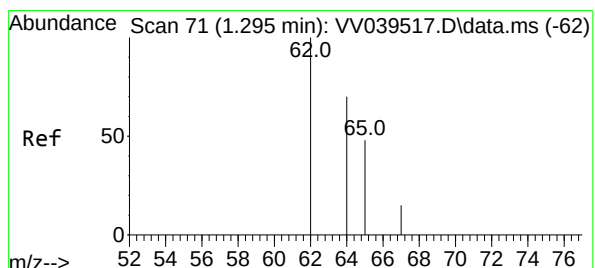
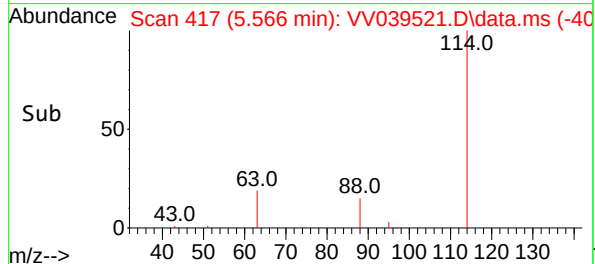
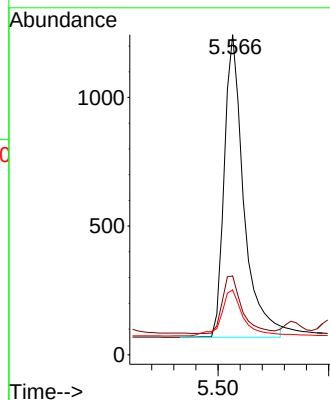
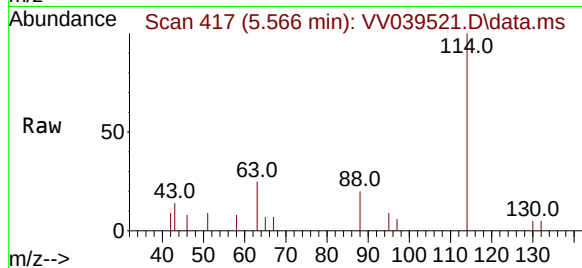
Tgt Ion:114 Resp: 7171

Ion Ratio Lower Upper

114 100

63 19.2 15.0 22.4

88 16.4 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: VV039521.D

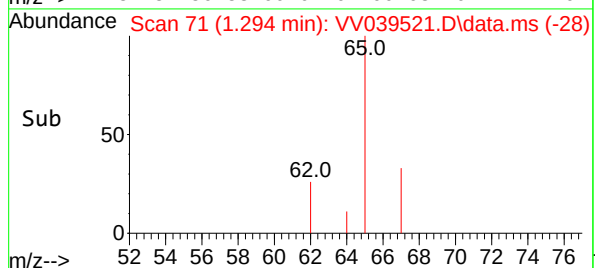
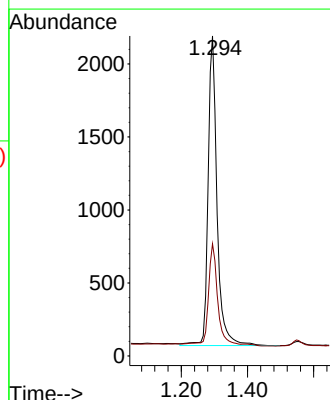
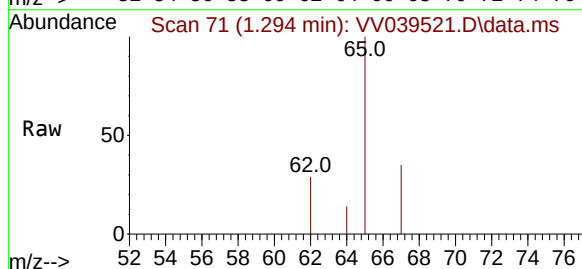
Acq: 10 Dec 2025 11:02

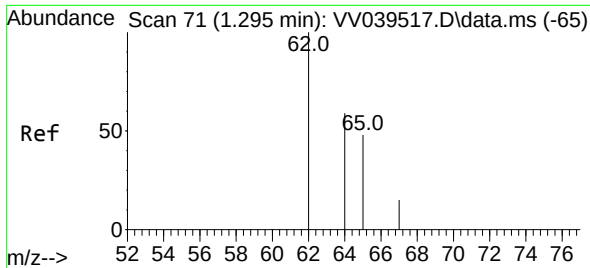
Tgt Ion: 65 Resp: 3982

Ion Ratio Lower Upper

65 100

67 31.8 22.3 41.5

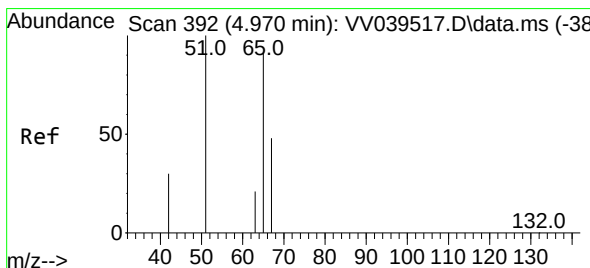
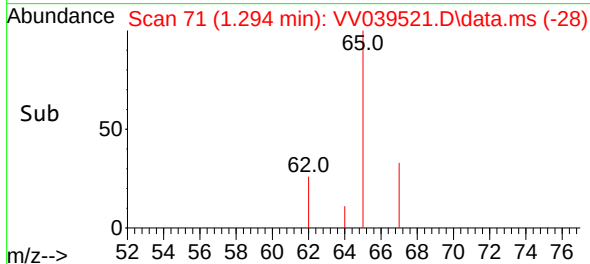
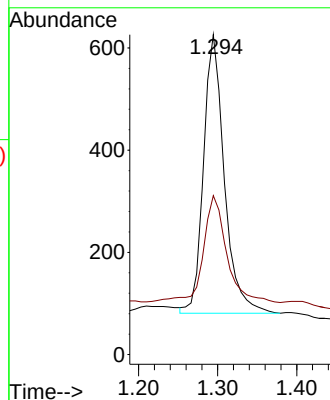
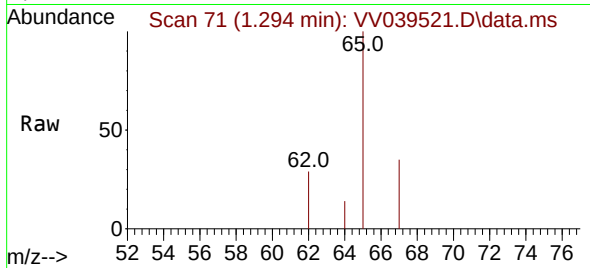




#3
Vinyl chloride
Concen: 0.064 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039521.D
Acq: 10 Dec 2025 11:02

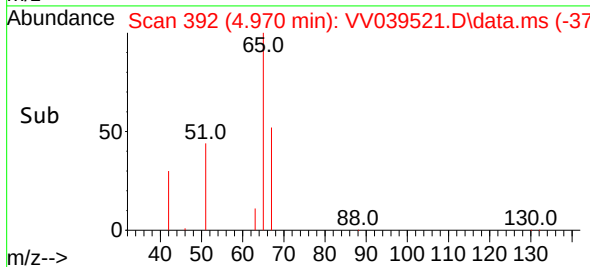
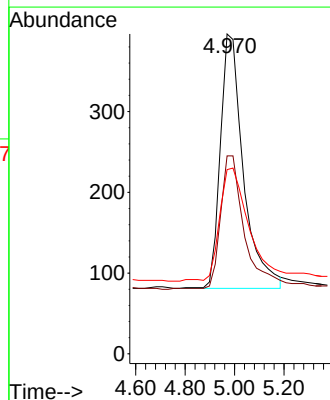
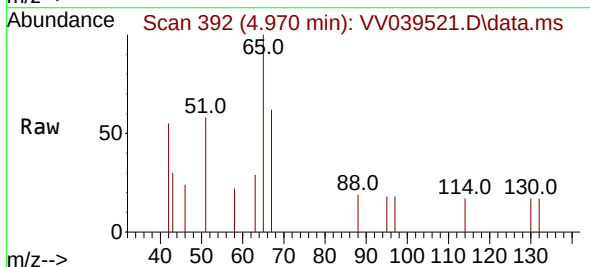
Instrument :
MSVOA_V
ClientSampleId :
BR-05-465-120525-SIM

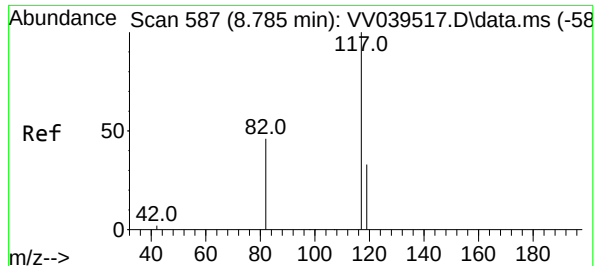
Tgt Ion: 62 Resp: 993
Ion Ratio Lower Upper
62 100
64 49.7 24.8 46.0#



#4
1,2-Dichloroethane-d4
Concen: 0.428 ug/L
RT: 4.970 min Scan# 392
Delta R.T. 0.001 min
Lab File: VV039521.D
Acq: 10 Dec 2025 11:02

Tgt Ion: 65 Resp: 2043
Ion Ratio Lower Upper
65 100
67 53.1 32.5 60.3
51 56.0 121.4 225.6#





#5

Chlorobenzene-d5

Concen: 0.500 ug/L

RT: 8.785 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV039521.D

Acq: 10 Dec 2025 11:02

Instrument :

MSVOA_V

ClientSampleId :

BR-05-465-120525-SIM

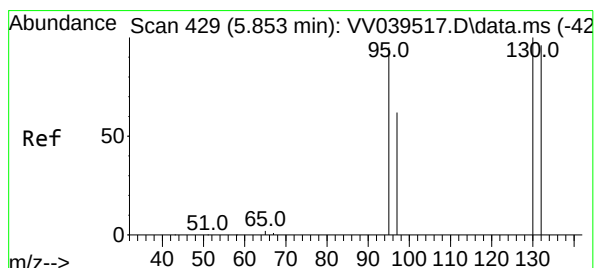
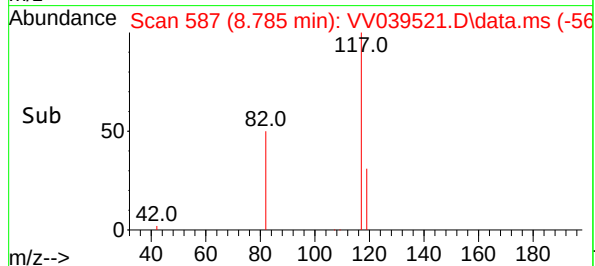
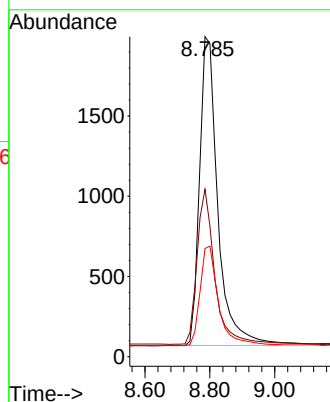
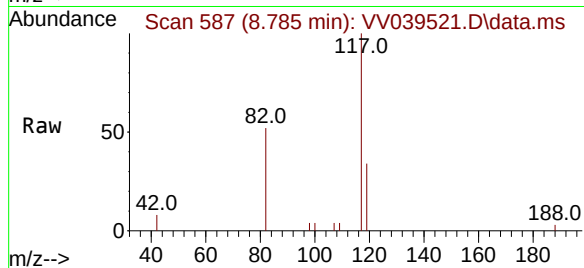
Tgt Ion:117 Resp: 7534

Ion Ratio Lower Upper

117 100

82 48.8 39.4 59.2

119 32.6 26.2 39.2



#6

Trichloroethene

Concen: 0.047 ug/L

RT: 5.852 min Scan# 429

Delta R.T. 0.000 min

Lab File: VV039521.D

Acq: 10 Dec 2025 11:02

Tgt Ion: 95 Resp: 428

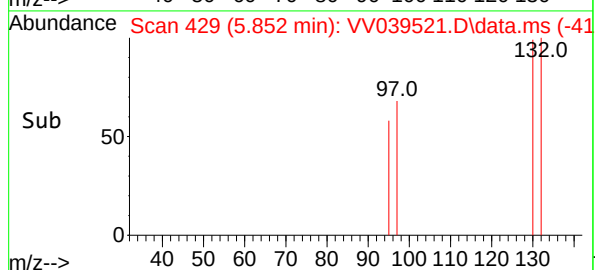
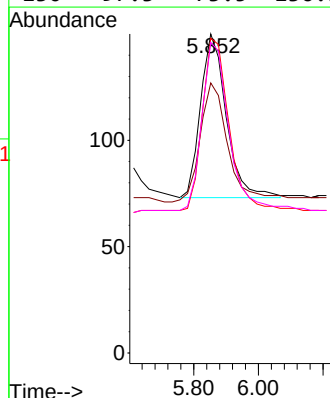
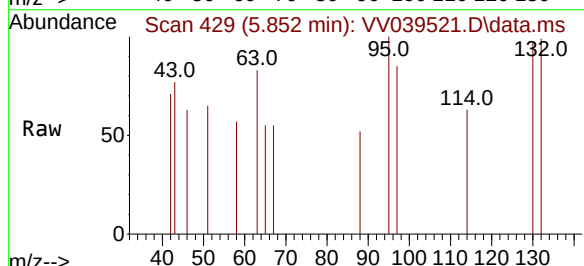
Ion Ratio Lower Upper

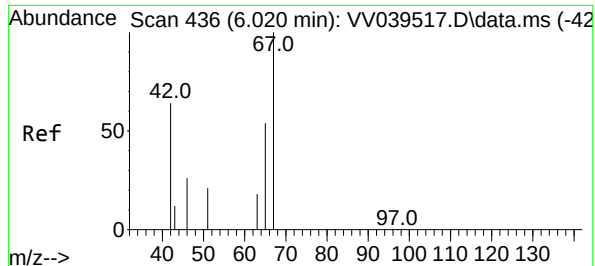
95 100

97 84.7 47.7 88.7

132 98.7 70.8 131.4

130 97.3 73.5 136.5

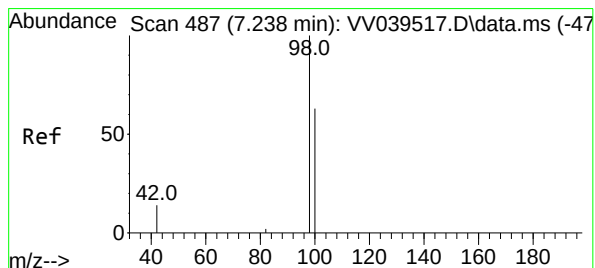
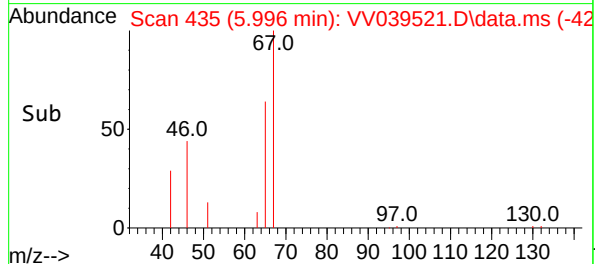
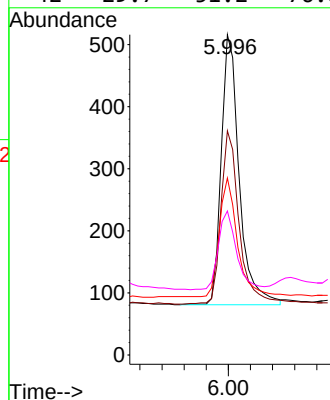
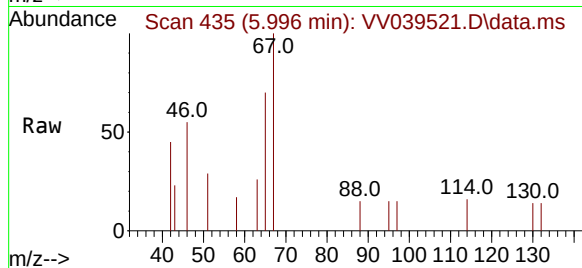




#7
1,2-Dichloropropane-d6
Concen: 0.386 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039521.D
Acq: 10 Dec 2025 11:02

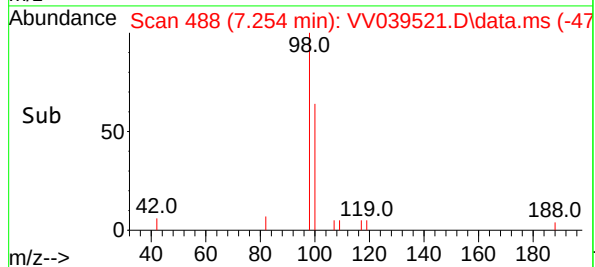
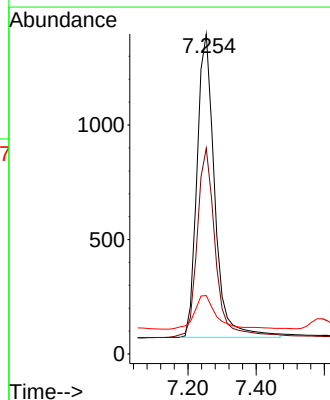
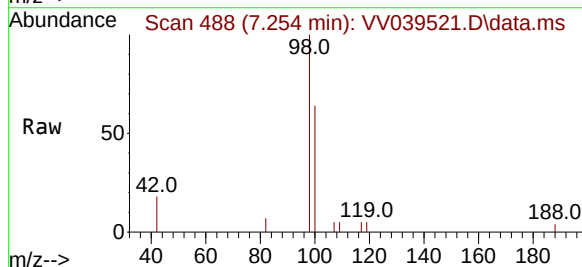
Instrument :
MSVOA_V
ClientSampleId :
BR-05-465-120525-SIM

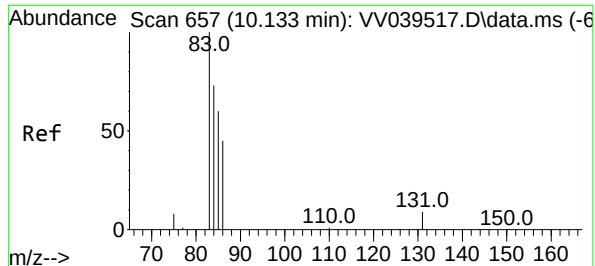
Tgt Ion:	67	Resp:	2454
Ion	Ratio	Lower	Upper
67	100		
65	64.7	37.9	56.9#
46	44.0	27.4	41.0#
42	29.7	51.2	76.8#



#8
Toluene-d8
Concen: 0.444 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039521.D
Acq: 10 Dec 2025 11:02

Tgt Ion:	98	Resp:	4760
Ion	Ratio	Lower	Upper
98	100		
100	64.0	44.5	82.7
42	14.1	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.002 ug/L

RT: 10.066 min Scan# 6

Delta R.T. -0.067 min

Lab File: VV039521.D

Acq: 10 Dec 2025 11:02

Instrument :

MSVOA_V

ClientSampleId :

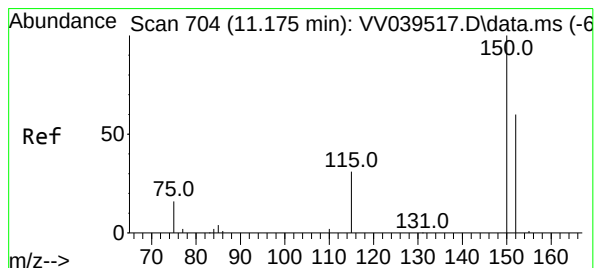
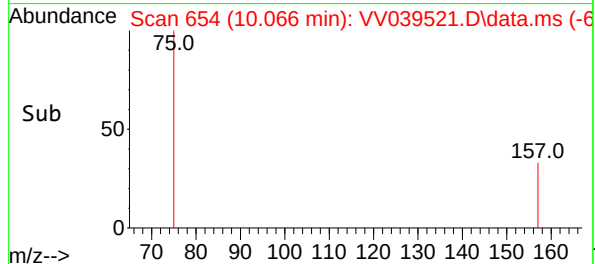
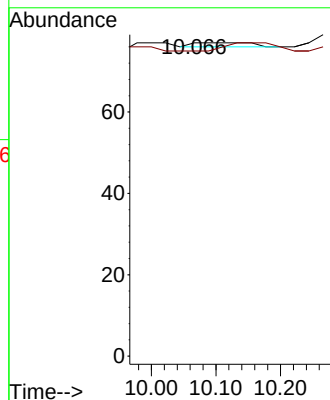
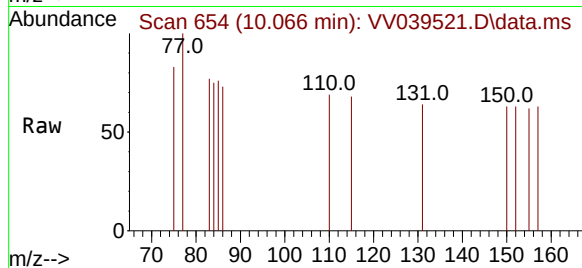
BR-05-465-120525-SIM

Tgt Ion: 84 Resp: 7

Ion Ratio Lower Upper

84 100

86 157.1 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: VV039521.D

Acq: 10 Dec 2025 11:02

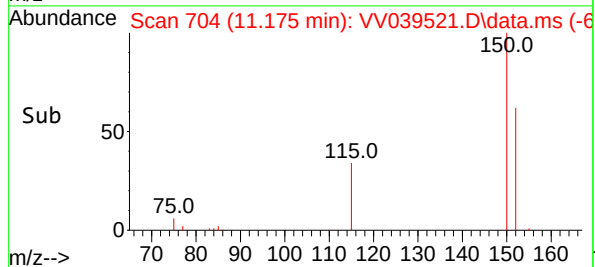
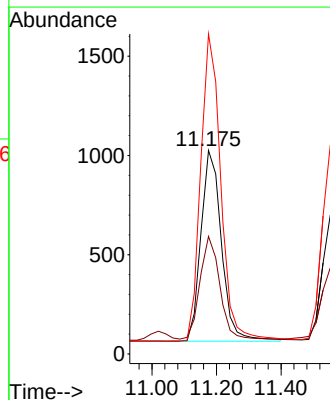
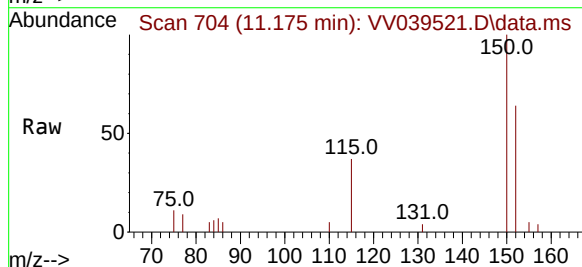
Tgt Ion:152 Resp: 4229

Ion Ratio Lower Upper

152 100

115 52.4 0.0 101.6

150 159.0 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
 Data File : VV039528.D
 Acq On : 10 Dec 2025 14:12
 Operator : SY/MD
 Sample : Q3788-10RE
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BR-05-465-120525-SIMRE

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/12/2025

Quant Time: Dec 11 00:07:04 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	6027	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6521	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.175	152	3749	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3352m	0.566	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery =	114.000%		
4) 1,2-Dichloroethane-d4	4.969	65	1748	0.436	ug/L	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery =	88.000%		
7) 1,2-Dichloropropane-d6	5.995	67	2105	0.383	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery =	76.000%		
8) Toluene-d8	7.253	98	4059	0.437	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery =	88.000%		
10) 1,1,2,2-Tetrachloroeth...	10.133	84	11	0.004	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery =	0.000%#		
Target Compounds						
					Qvalue	
3) Vinyl chloride	1.294	62	1059	0.081	ug/L #	1
6) Trichloroethene	5.852	95	415	0.052	ug/L	91

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

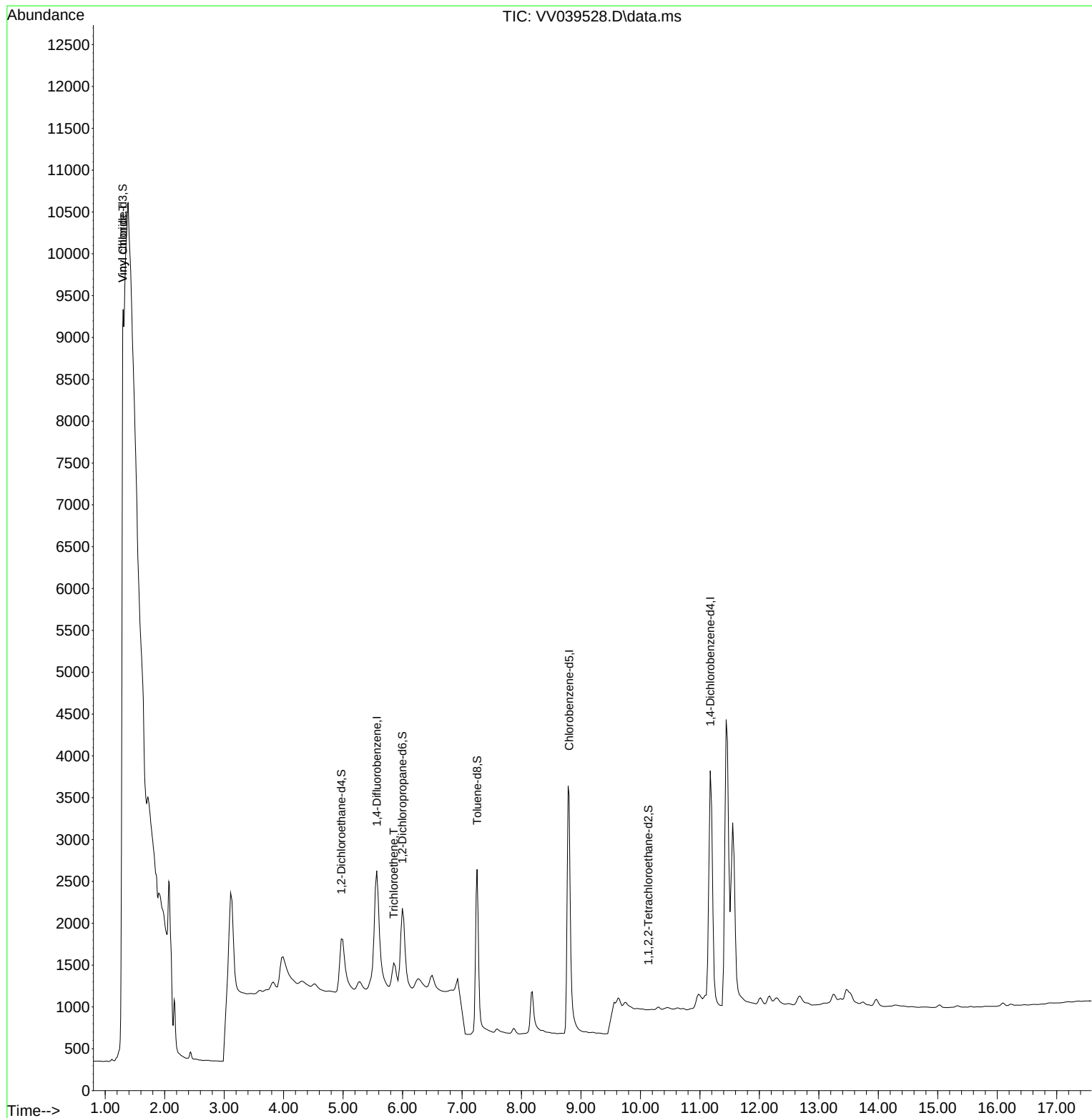
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039528.D
Acq On : 10 Dec 2025 14:12
Operator : SY/MD
Sample : Q3788-10RE
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

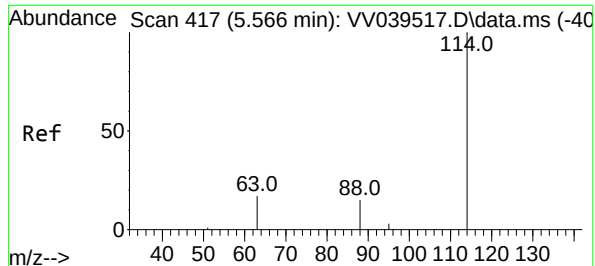
Instrument :
MSVOA_V
ClientSampleId :
BR-05-465-120525-SIMRE

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025

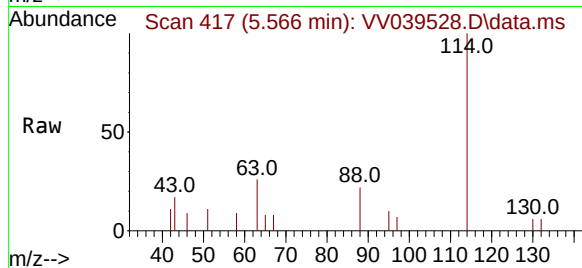
Quant Time: Dec 11 00:07:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration





#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV039528.D
Acq: 10 Dec 2025 14:12

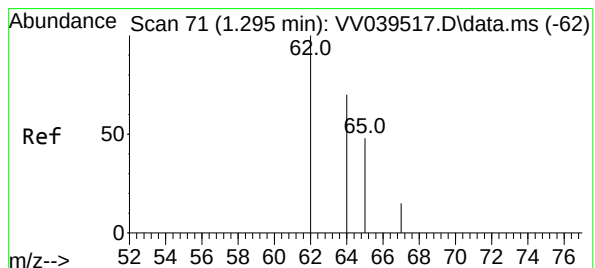
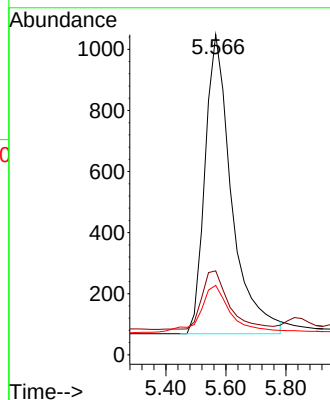
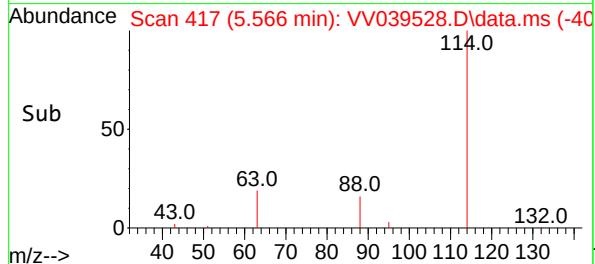
Instrument : MSVOA_V
ClientSampleId : BR-05-465-120525-SIMRE



Tgt Ion: 114 Resp: 602
Ion Ratio Lower Upper
114 100
63 20.0 15.0 22.4
88 17.8 12.0 18.0

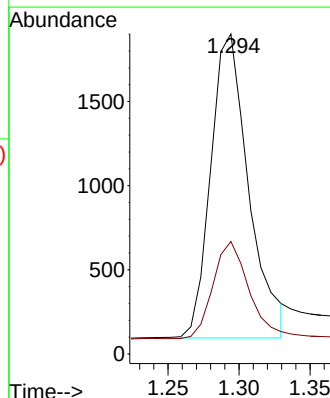
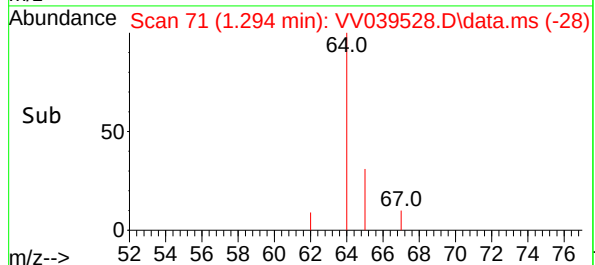
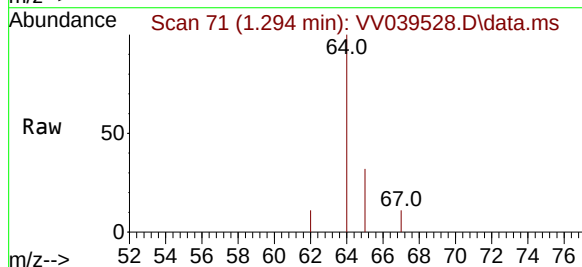
Manual Integrations APPROVED

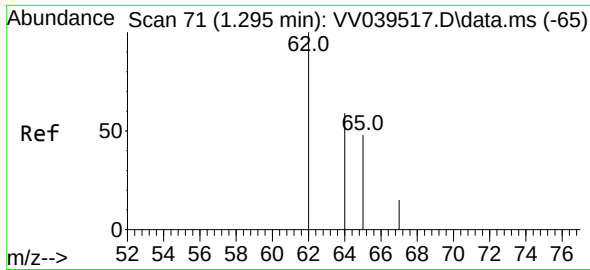
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#2
Vinyl Chloride-d3
Concen: 0.566 ug/L m
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039528.D
Acq: 10 Dec 2025 14:12

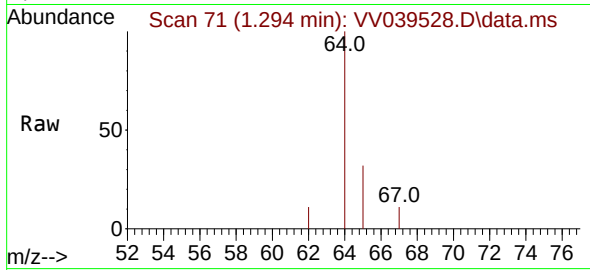
Tgt Ion: 65 Resp: 3352
Ion Ratio Lower Upper
65 100
67 33.9 22.3 41.5





#3
Vinyl chloride
Concen: 0.081 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039528.D
Acq: 10 Dec 2025 14:12

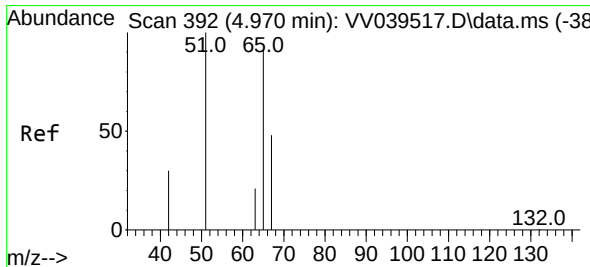
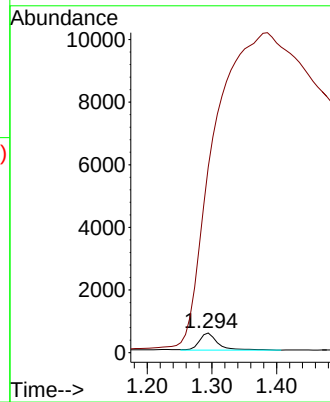
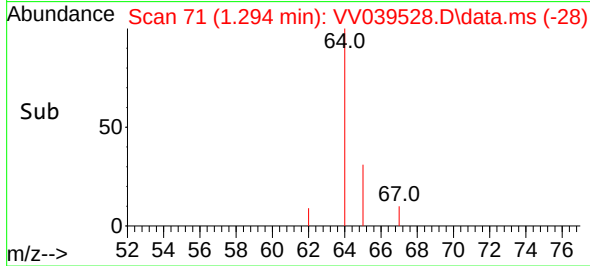
Instrument :
MSVOA_V
ClientSampleId :
BR-05-465-120525-SIMRE



Tgt Ion: 62 Resp: 1059
Ion Ratio Lower Upper
62 100
64 943.8 24.8 46.0

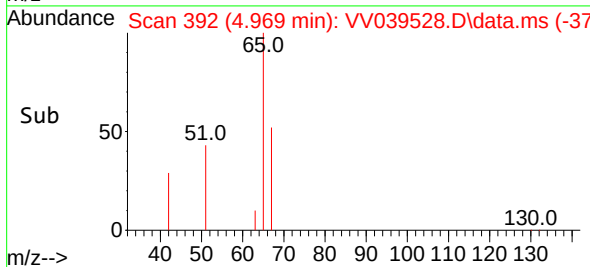
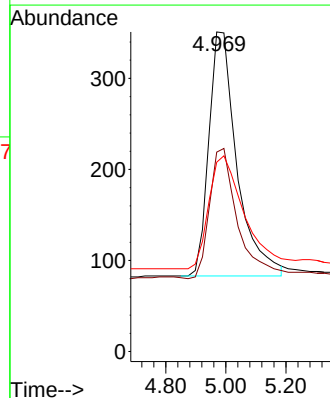
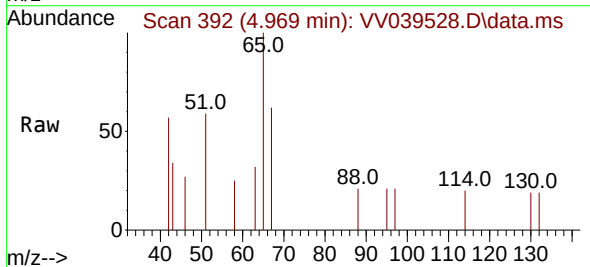
Manual Integrations
APPROVED

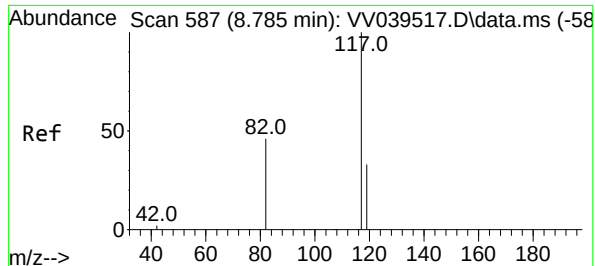
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#4
1,2-Dichloroethane-d4
Concen: 0.436 ug/L
RT: 4.969 min Scan# 392
Delta R.T. 0.000 min
Lab File: VV039528.D
Acq: 10 Dec 2025 14:12

Tgt Ion: 65 Resp: 1748
Ion Ratio Lower Upper
65 100
67 53.8 32.5 60.3
51 58.0 121.4 225.6





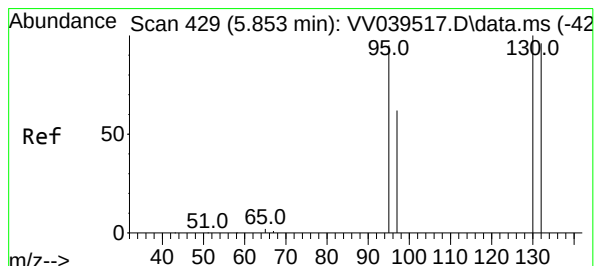
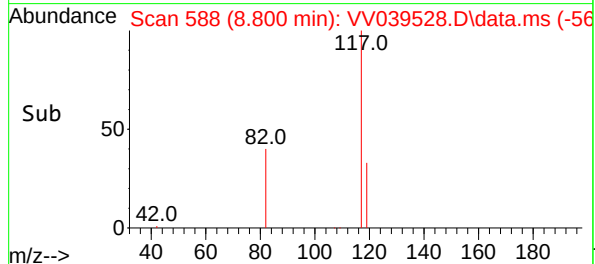
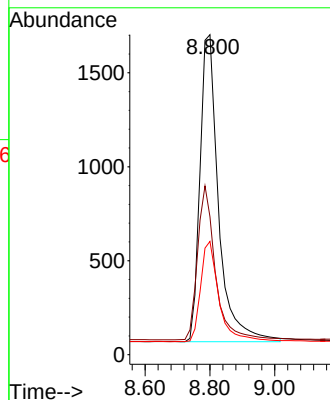
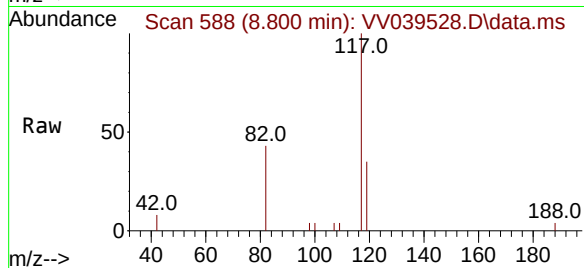
#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 511
Delta R.T. 0.015 min
Lab File: VV039528.D
Acq: 10 Dec 2025 14:12

Instrument :
MSVOA_V
ClientSampleId :
BR-05-465-120525-SIMRE

Tgt Ion: 117 Resp: 652
Ion Ratio Lower Upper
117 100
82 47.9 39.4 59.2
119 32.4 26.2 39.2

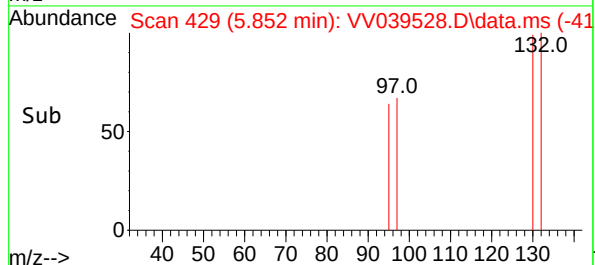
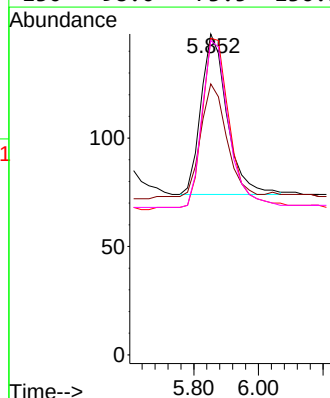
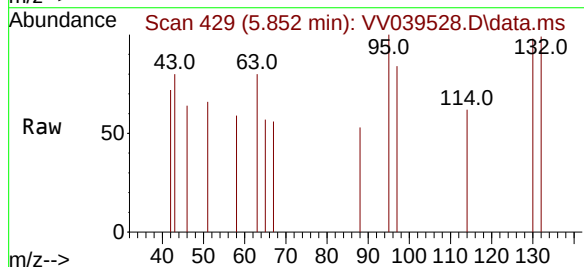
Manual Integrations
APPROVED

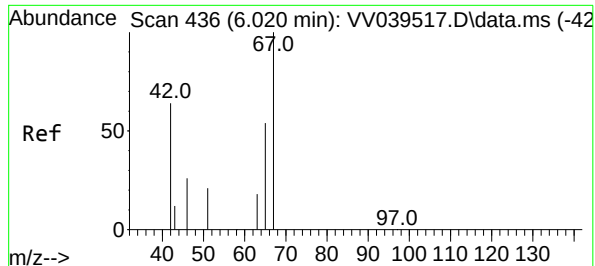
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#6
Trichloroethene
Concen: 0.052 ug/L
RT: 5.852 min Scan# 429
Delta R.T. 0.000 min
Lab File: VV039528.D
Acq: 10 Dec 2025 14:12

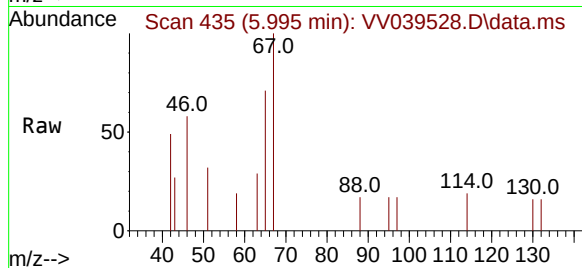
Tgt Ion: 95 Resp: 415
Ion Ratio Lower Upper
95 100
97 84.5 47.7 88.7
132 98.6 70.8 131.4
130 98.0 73.5 136.5





#7
1,2-Dichloropropane-d6
Concen: 0.383 ug/L
RT: 5.995 min Scan# 435
Delta R.T. -0.024 min
Lab File: VV039528.D
Acq: 10 Dec 2025 14:12

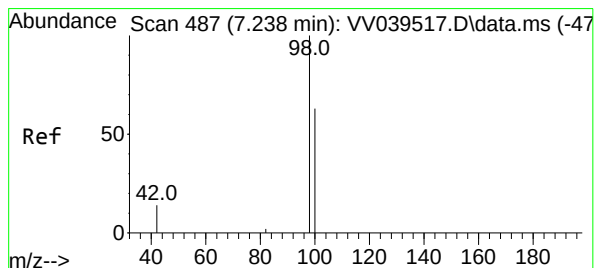
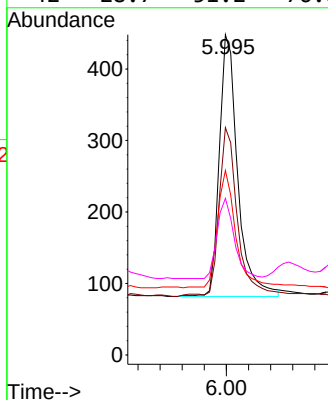
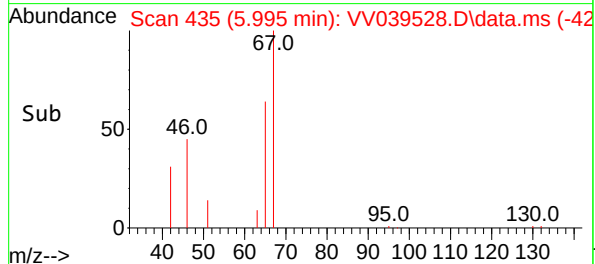
Instrument :
MSVOA_V
ClientSampleId :
BR-05-465-120525-SIMRE



Tgt Ion: 67 Resp: 210
Ion Ratio Lower Upper
67 100
65 65.0 37.9 56.9
46 44.5 27.4 41.0
42 28.7 51.2 76.8

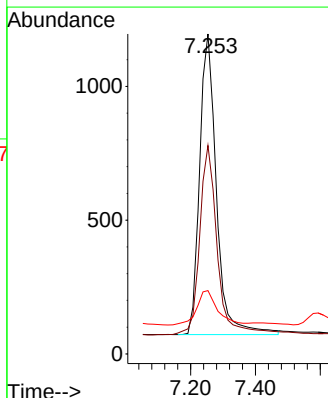
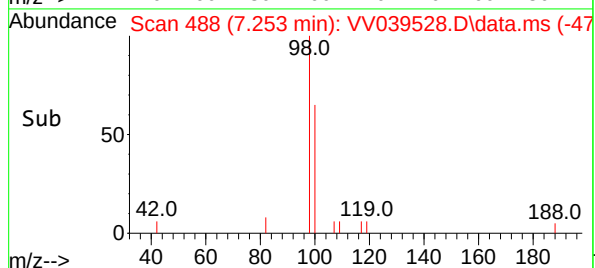
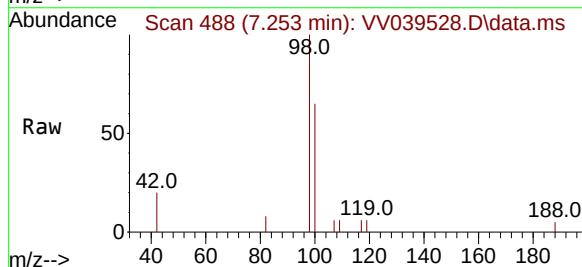
Manual Integrations
APPROVED

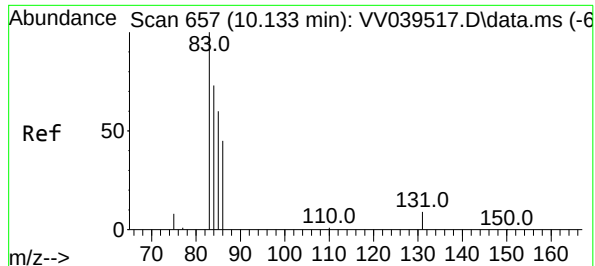
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#8
Toluene-d8
Concen: 0.437 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039528.D
Acq: 10 Dec 2025 14:12

Tgt Ion: 98 Resp: 4059
Ion Ratio Lower Upper
98 100
100 64.8 44.5 82.7
42 14.3 10.1 18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.004 ug/L

RT: 10.133 min Scan# 657

Delta R.T. -0.000 min

Lab File: VV039528.D

Acq: 10 Dec 2025 14:12

Instrument :

MSVOA_V

ClientSampleId :

BR-05-465-120525-SIMRE

Tgt Ion: 84 Resp: 11

Ion Ratio Lower Upper

84 100

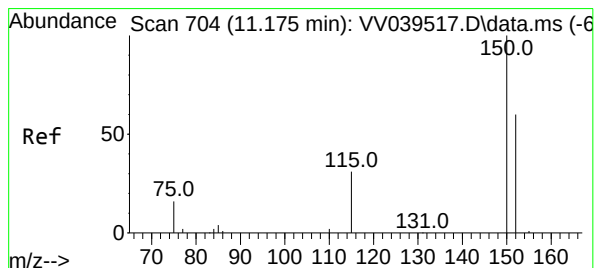
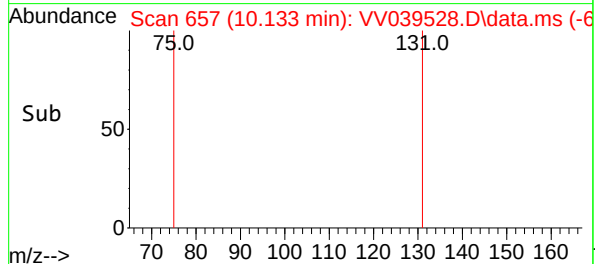
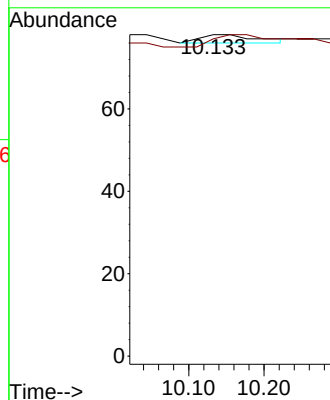
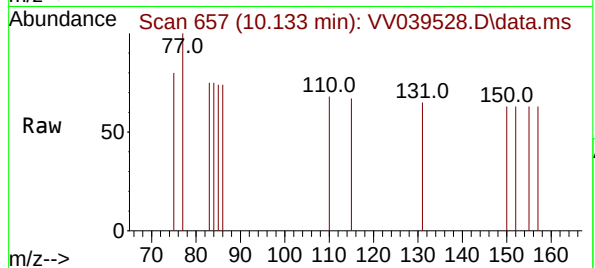
86 218.2 44.4 82.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025

Supervised By :Semsettin Yesilyurt 12/12/2025



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.175 min Scan# 704

Delta R.T. -0.000 min

Lab File: VV039528.D

Acq: 10 Dec 2025 14:12

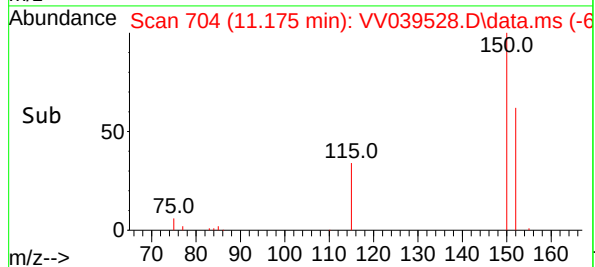
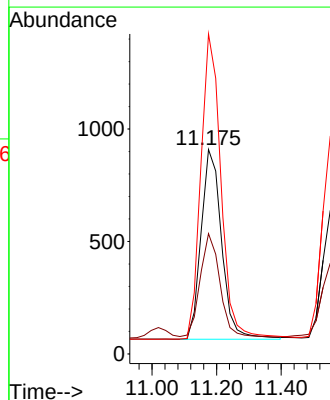
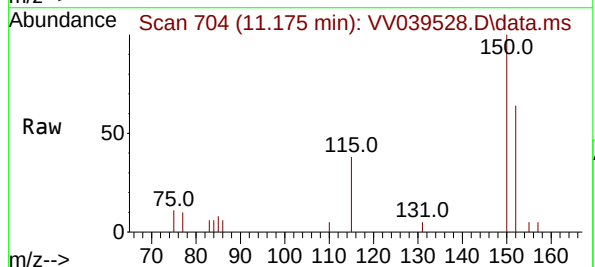
Tgt Ion:152 Resp: 3749

Ion Ratio Lower Upper

152 100

115 52.1 0.0 101.6

150 157.9 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
 Data File : VV039522.D
 Acq On : 10 Dec 2025 11:23
 Operator : SY/MD
 Sample : Q3788-12
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-16B-87.5-120525-SIM

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/12/2025

Quant Time: Dec 11 00:05:59 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	7573	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	6749	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.175	152	7636	0.500	ug/L	# 0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.287	65	4136	0.556	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery	= 112.000%		
4) 1,2-Dichloroethane-d4	4.969	65	2145	0.425	ug/L	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery	= 86.000%		
7) 1,2-Dichloropropane-d6	5.995	67	2430	0.427	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery	= 86.000%		
8) Toluene-d8	7.253	98	4504	0.469	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery	= 94.000%		
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1666	0.519	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery	= 104.000%		
Target Compounds						
3) Vinyl chloride	1.294	62	746m	0.046	ug/L	Qvalue

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

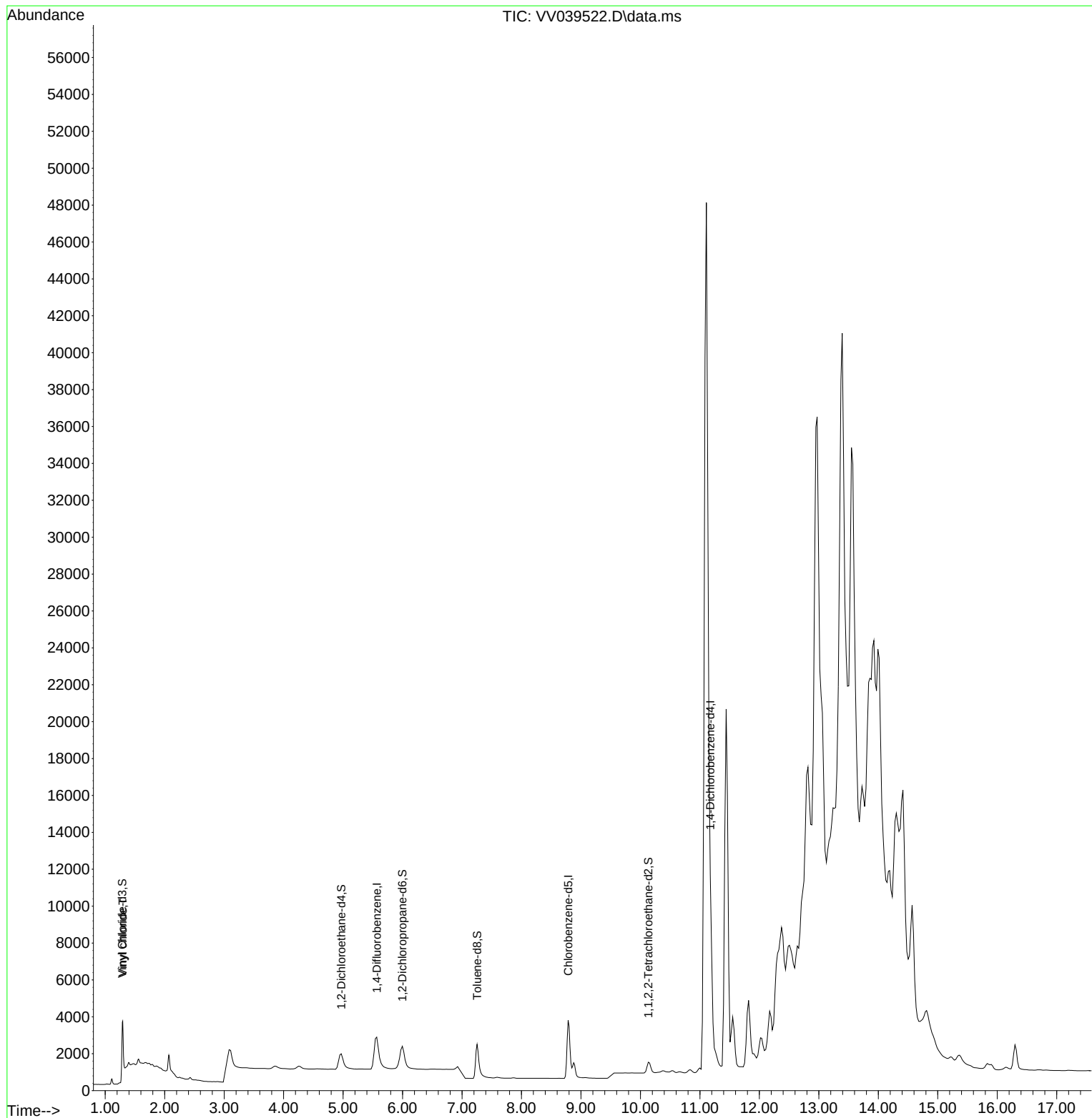
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039522.D
Acq On : 10 Dec 2025 11:23
Operator : SY/MD
Sample : Q3788-12
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

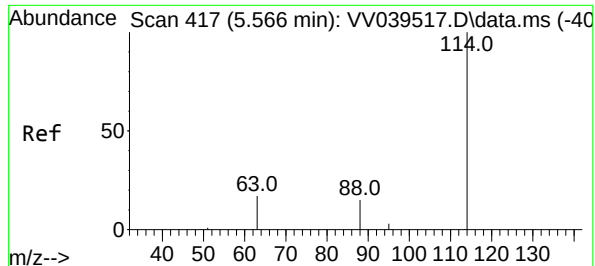
Instrument :
MSVOA_V
ClientSampleId :
MW-16B-87.5-120525-SIM

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025

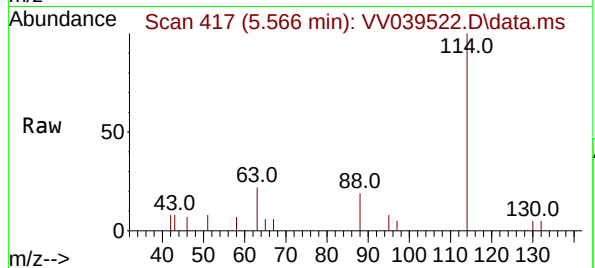
Quant Time: Dec 11 00:05:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration





#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV039522.D
Acq: 10 Dec 2025 11:23

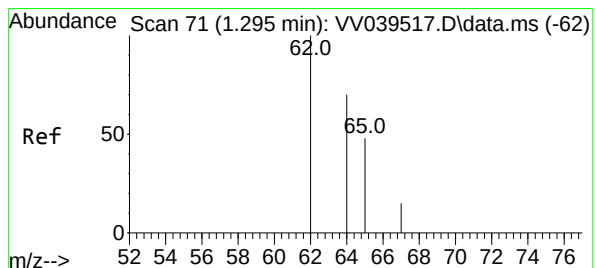
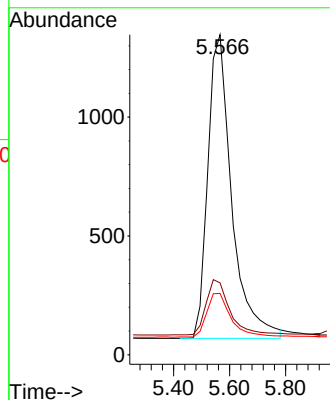
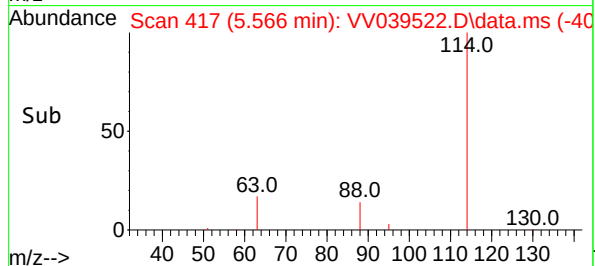
Instrument : MSVOA_V
ClientSampleId : MW-16B-87.5-120525-SIM



Tgt Ion: 114 Resp: 757
Ion Ratio Lower Upper
114 100
63 18.2 15.0 22.4
88 14.7 12.0 18.0

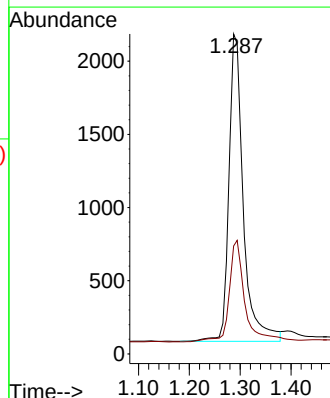
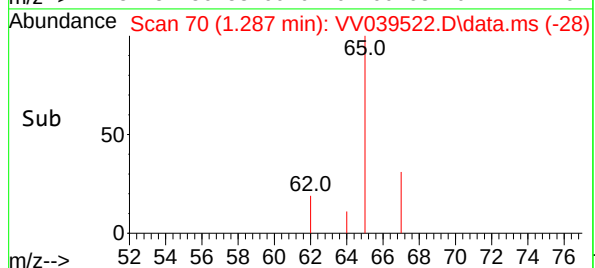
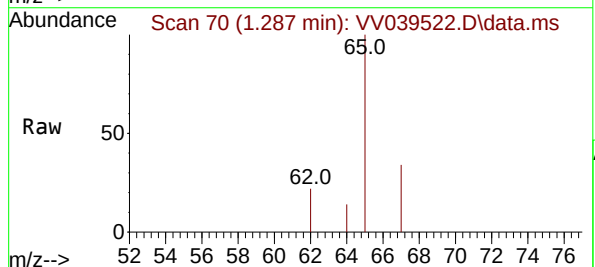
Manual Integrations
APPROVED

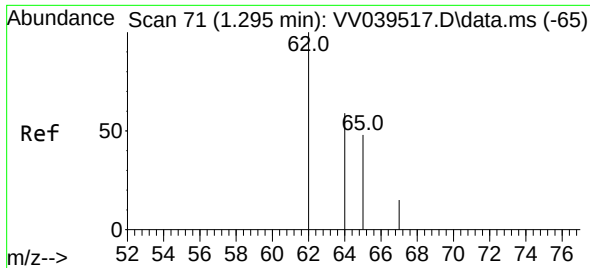
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#2
Vinyl Chloride-d3
Concen: 0.556 ug/L
RT: 1.287 min Scan# 70
Delta R.T. -0.007 min
Lab File: VV039522.D
Acq: 10 Dec 2025 11:23

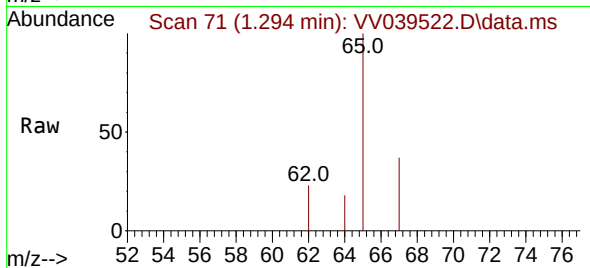
Tgt Ion: 65 Resp: 4136
Ion Ratio Lower Upper
65 100
67 36.6 22.3 41.5





#3
 Vinyl chloride
 Concen: 0.046 ug/L m
 RT: 1.294 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV039522.D
 Acq: 10 Dec 2025 11:23

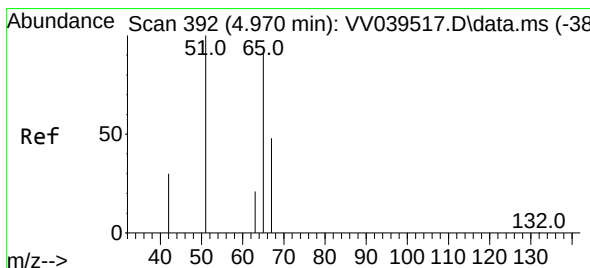
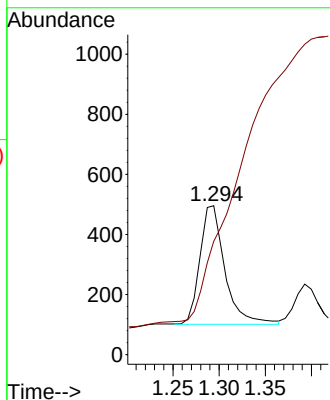
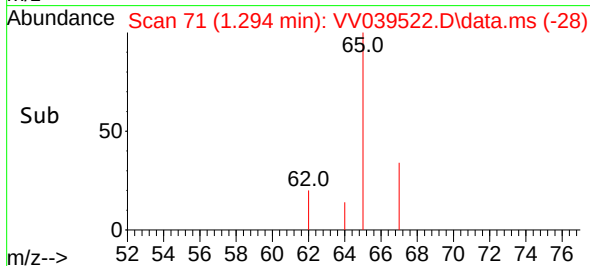
Instrument :
 MSVOA_V
 ClientSampleId :
 MW-16B-87.5-120525-SIM



Tgt Ion: 62 Resp: 740
 Ion Ratio Lower Upper
 62 100
 64 76.0 24.8 46.0

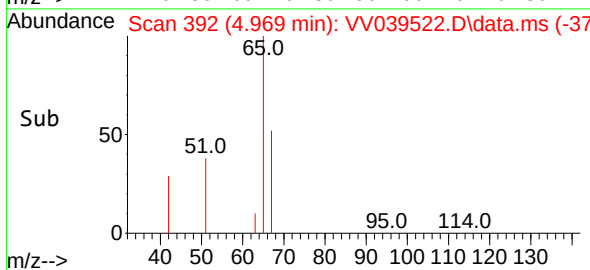
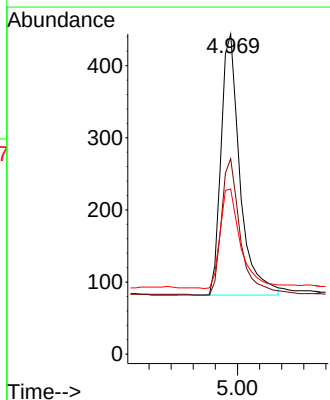
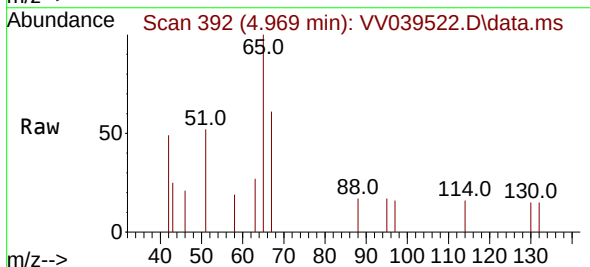
Manual Integrations
 APPROVED

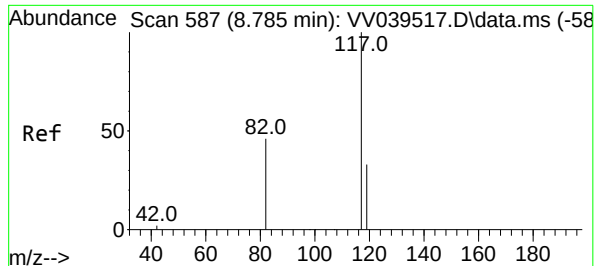
Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/12/2025



#4
 1,2-Dichloroethane-d4
 Concen: 0.425 ug/L
 RT: 4.969 min Scan# 392
 Delta R.T. 0.000 min
 Lab File: VV039522.D
 Acq: 10 Dec 2025 11:23

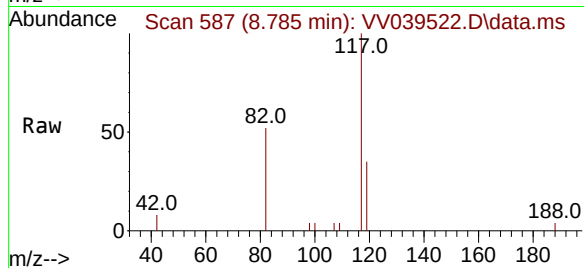
Tgt Ion: 65 Resp: 2145
 Ion Ratio Lower Upper
 65 100
 67 52.0 32.5 60.3
 51 41.6 121.4 225.6





#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. -0.000 min
Lab File: VV039522.D
Acq: 10 Dec 2025 11:23

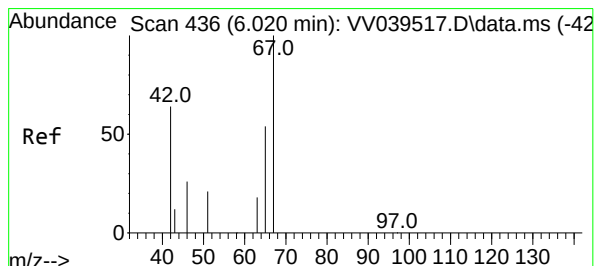
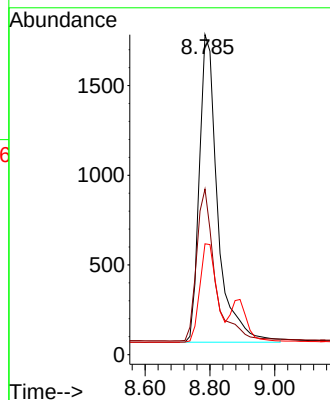
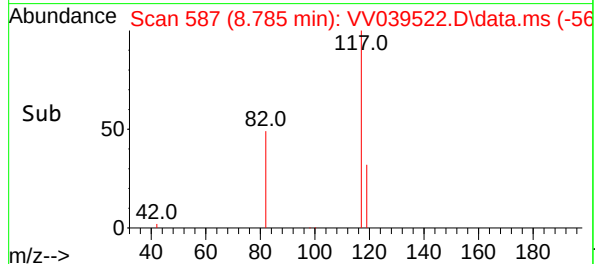
Instrument : MSVOA_V
ClientSampleId : MW-16B-87.5-120525-SIM



Tgt Ion: 117 Resp: 6749
Ion Ratio Lower Upper
117 100
82 50.1 39.4 59.2
119 29.4 26.2 39.2

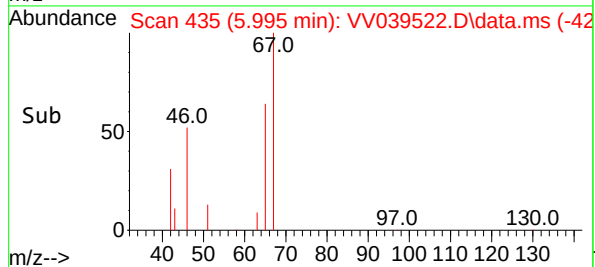
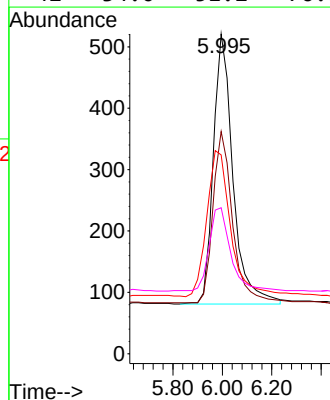
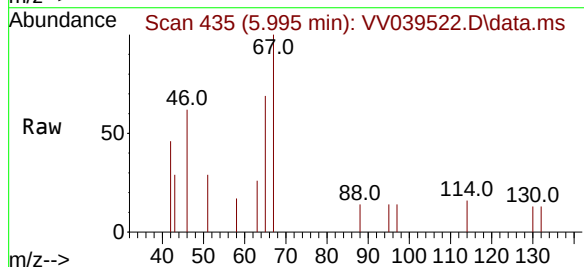
Manual Integrations APPROVED

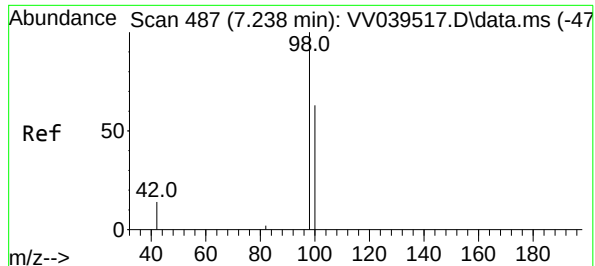
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#7
1,2-Dichloropropane-d6
Concen: 0.427 ug/L
RT: 5.995 min Scan# 435
Delta R.T. -0.024 min
Lab File: VV039522.D
Acq: 10 Dec 2025 11:23

Tgt Ion: 67 Resp: 2430
Ion Ratio Lower Upper
67 100
65 63.1 37.9 56.9#
46 65.2 27.4 41.0#
42 34.0 51.2 76.8#





#8

Toluene-d8

Concen: 0.469 ug/L

RT: 7.253 min Scan# 488

Delta R.T. 0.015 min

Lab File: VV039522.D

Acq: 10 Dec 2025 11:23

Instrument :

MSVOA_V

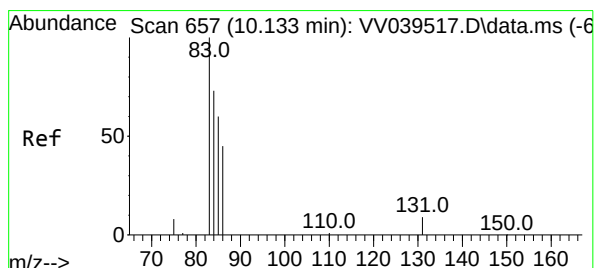
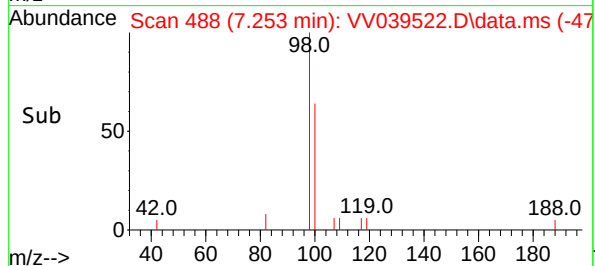
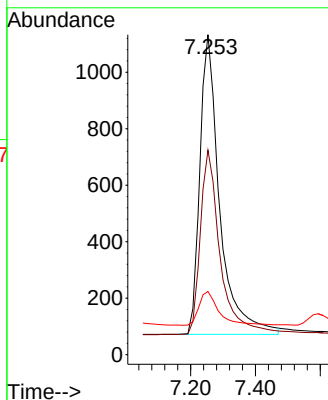
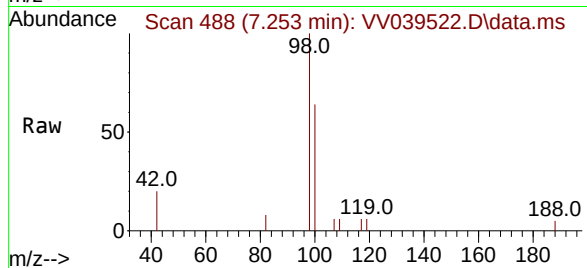
ClientSampleId :

MW-16B-87.5-120525-SIM

Tgt Ion: 98	Resp: 450
Ion Ratio	Lower Upper
98 100	
100 61.2	44.5 82.7
42 11.4	10.1 18.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.519 ug/L

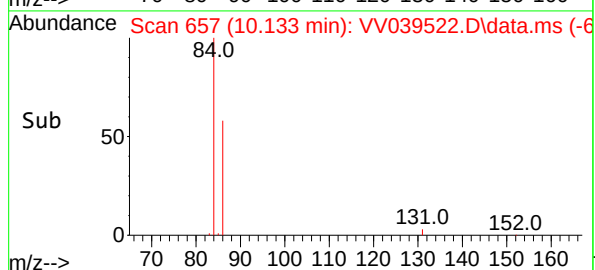
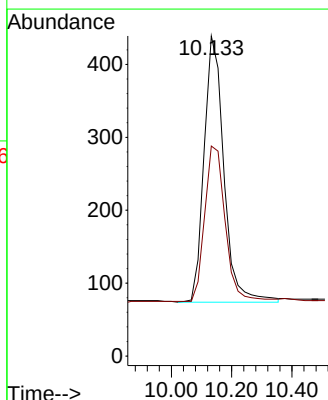
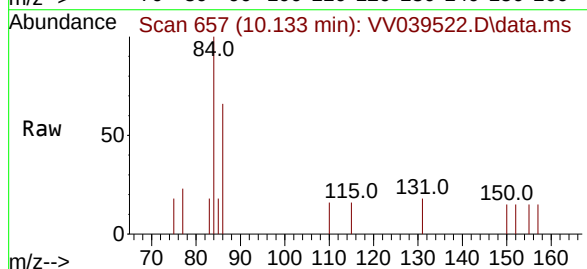
RT: 10.133 min Scan# 657

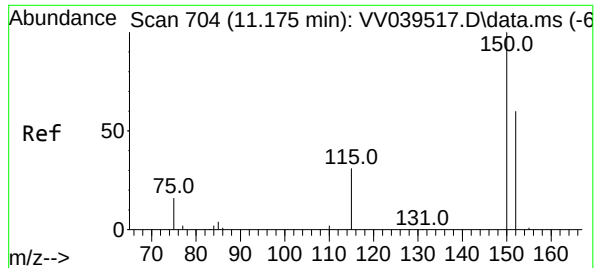
Delta R.T. -0.000 min

Lab File: VV039522.D

Acq: 10 Dec 2025 11:23

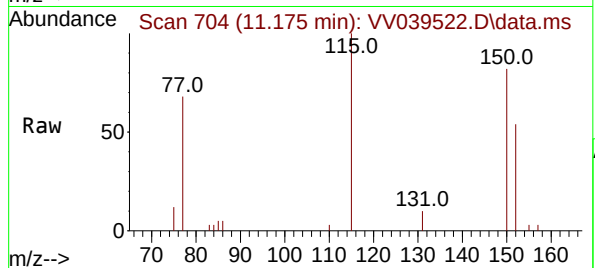
Tgt Ion: 84	Resp: 1666
Ion Ratio	Lower Upper
84 100	
86 60.2	44.4 82.5





#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.175 min Scan# 704
Delta R.T. -0.000 min
Lab File: VV039522.D
Acq: 10 Dec 2025 11:23

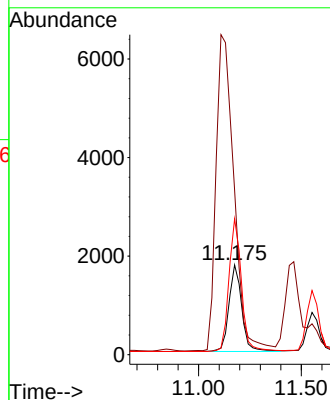
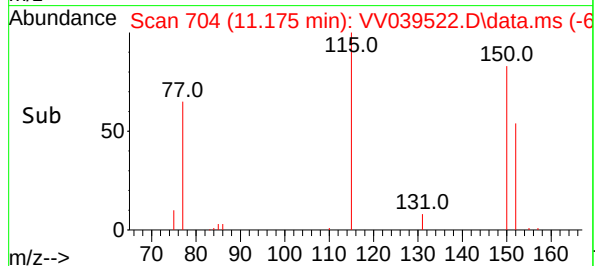
Instrument :
MSVOA_V
ClientSampleId :
MW-16B-87.5-120525-SIM



Tgt Ion:152 Resp: 7630
Ion Ratio Lower Upper
152 100
115 507.4 0.0 101.6
150 149.4 0.0 396.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
Data File : VV039491.D
Acq On : 08 Dec 2025 14:38
Operator : SY/MD
Sample : Q3788-13
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB01-120525

Quant Time: Dec 09 01:27:38 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	5977	0.500 ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5887	0.500 ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3057	0.500 ug/L	0.02

System Monitoring Compounds					
2) Vinyl Chloride-d3	1.294	65	3512	0.584 ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	= 116.000%
4) 1,2-Dichloroethane-d4	4.993	65	1837	0.462 ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	= 92.000%
7) 1,2-Dichloropropane-d6	5.995	67	2107	0.424 ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	= 84.000%
8) Toluene-d8	7.253	98	3892	0.464 ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	= 92.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1474	0.527 ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	= 106.000%

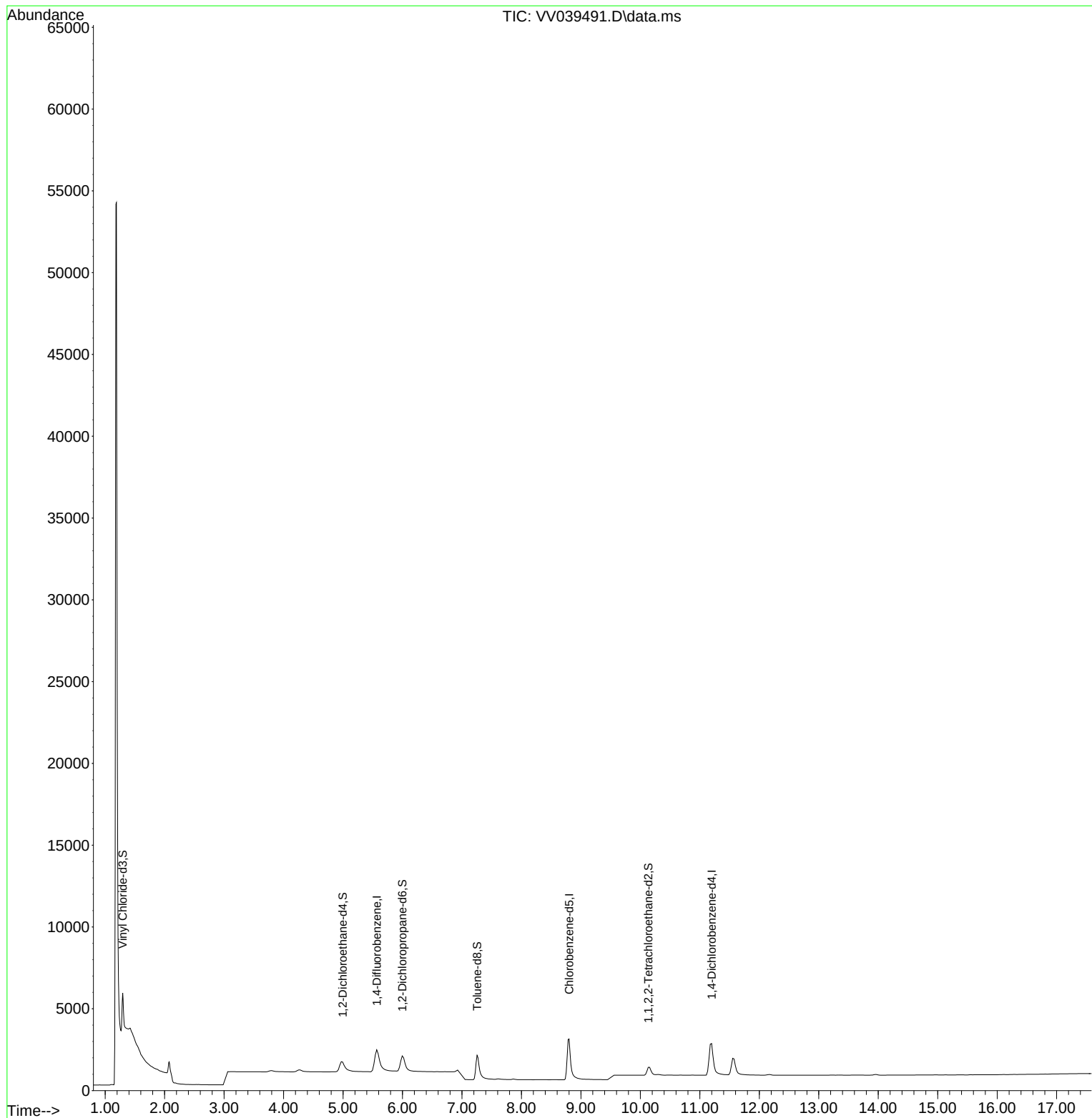
Target Compounds	Qvalue
------------------	--------

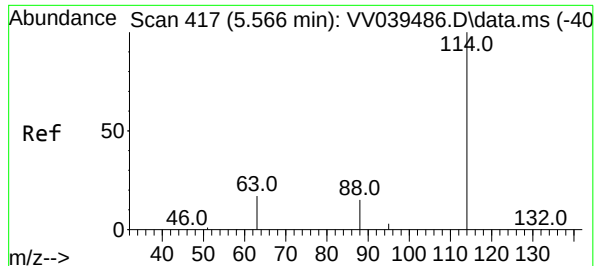
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
Data File : VV039491.D
Acq On : 08 Dec 2025 14:38
Operator : SY/MD
Sample : Q3788-13
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB01-120525

Quant Time: Dec 09 01:27:38 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

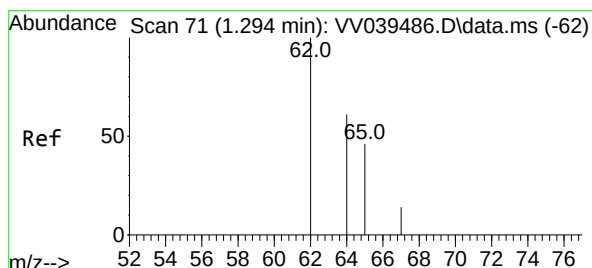
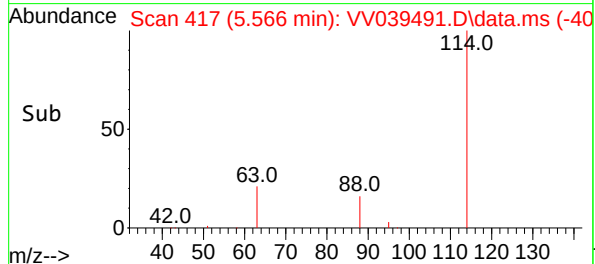
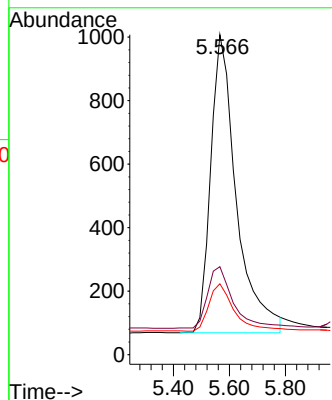
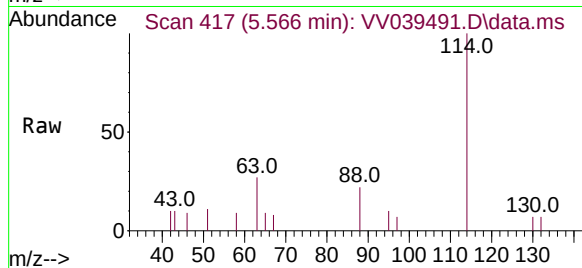




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV039491.D
Acq: 08 Dec 2025 14:38

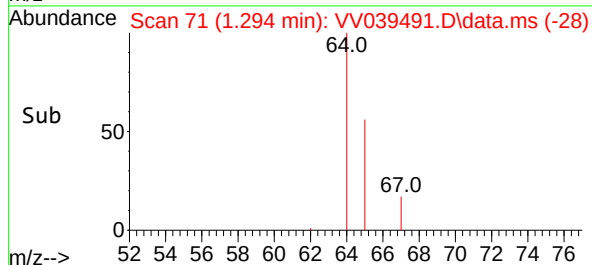
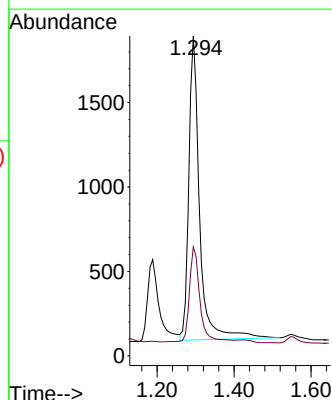
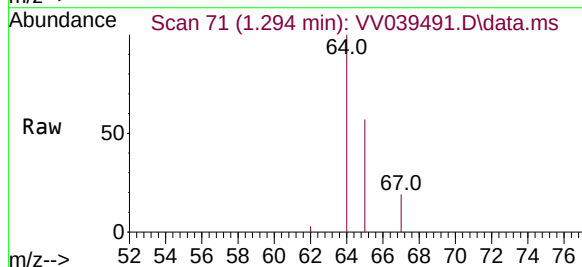
Instrument :
MSVOA_V
ClientSampleId :
TB01-120525

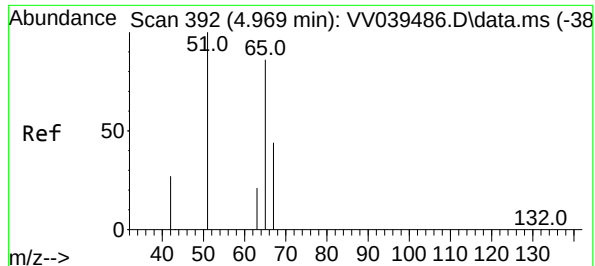
Tgt Ion:114	Resp:	5977
Ion	Ratio	Lower Upper
114	100	
63	20.6	15.0 22.4
88	15.7	12.0 18.0



#2
Vinyl Chloride-d3
Concen: 0.584 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039491.D
Acq: 08 Dec 2025 14:38

Tgt Ion: 65	Resp:	3512
Ion	Ratio	Lower Upper
65	100	
67	30.0	22.3 41.5

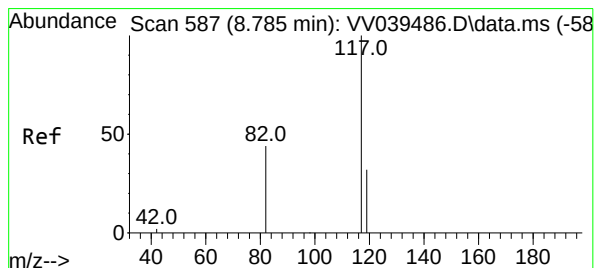
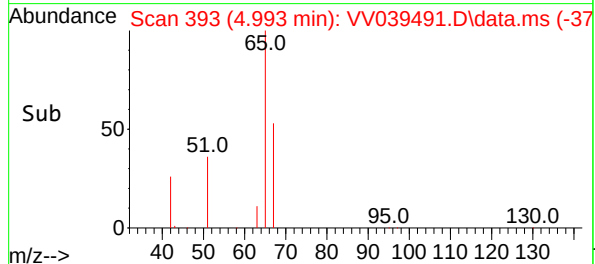
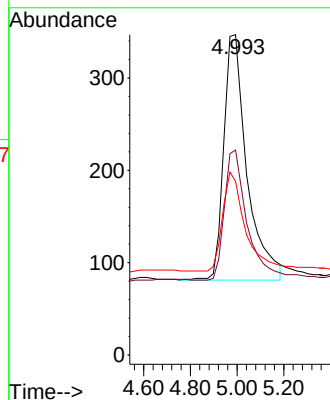
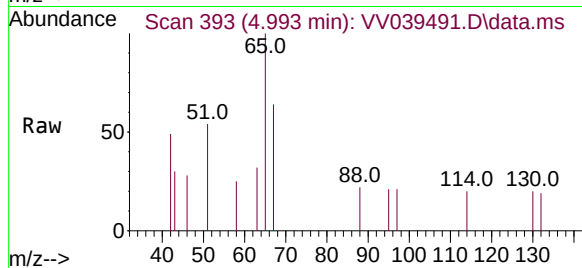




#4
1,2-Dichloroethane-d4
Concen: 0.462 ug/L
RT: 4.993 min Scan# 392
Delta R.T. 0.024 min
Lab File: VV039491.D
Acq: 08 Dec 2025 14:38

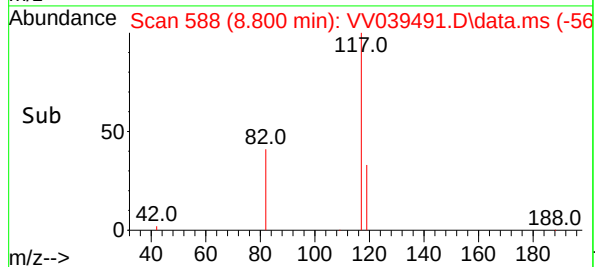
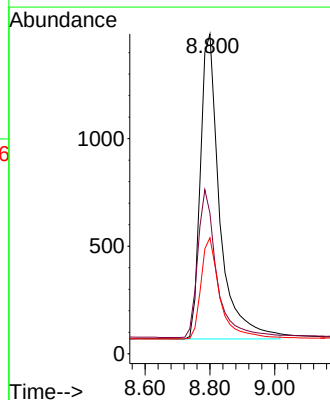
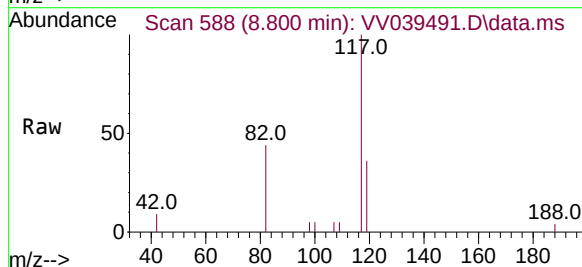
Instrument :
MSVOA_V
ClientSampleId :
TB01-120525

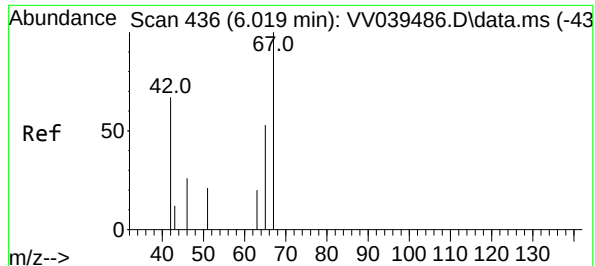
Tgt Ion: 65 Resp: 1837
Ion Ratio Lower Upper
65 100
67 51.5 32.5 60.3
51 38.8 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039491.D
Acq: 08 Dec 2025 14:38

Tgt Ion: 117 Resp: 5887
Ion Ratio Lower Upper
117 100
82 47.6 39.4 59.2
119 32.8 26.2 39.2

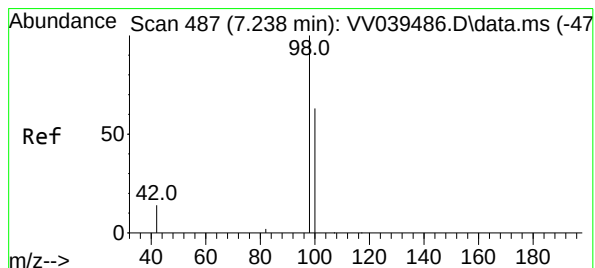
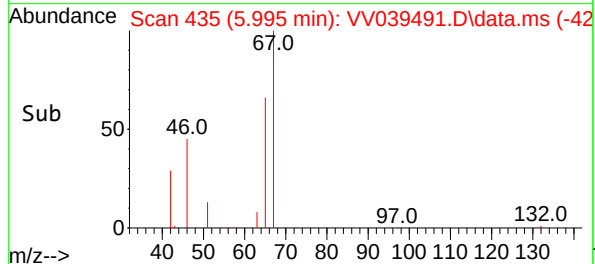
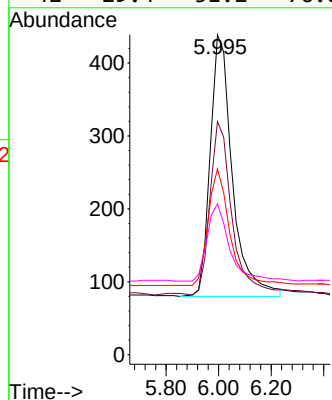
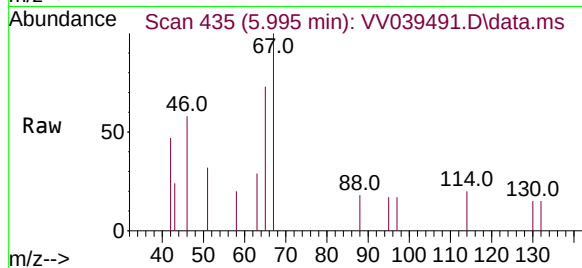




#7
1,2-Dichloropropane-d6
Concen: 0.424 ug/L
RT: 5.995 min Scan# 436
Delta R.T. -0.024 min
Lab File: VV039491.D
Acq: 08 Dec 2025 14:38

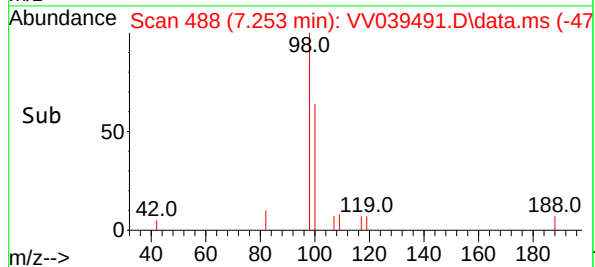
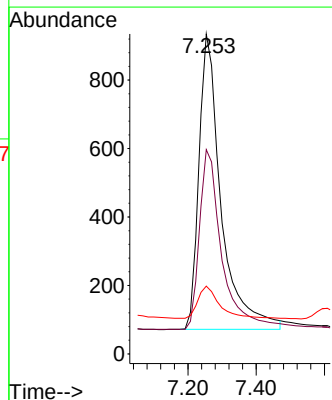
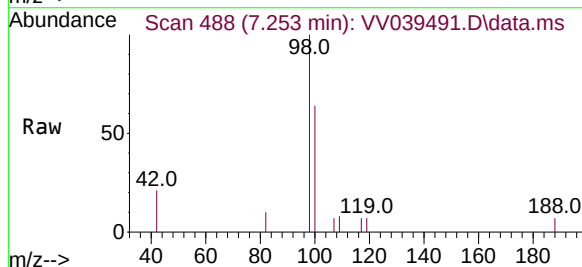
Instrument :
MSVOA_V
ClientSampleId :
TB01-120525

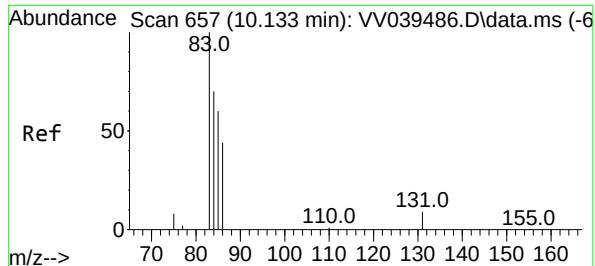
Tgt Ion:	67	Resp:	2107
Ion	Ratio	Lower	Upper
67	100		
65	65.0	37.9	56.9#
46	43.3	27.4	41.0#
42	29.4	51.2	76.8#



#8
Toluene-d8
Concen: 0.464 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039491.D
Acq: 08 Dec 2025 14:38

Tgt Ion:	98	Resp:	3892
Ion	Ratio	Lower	Upper
98	100		
100	61.4	44.5	82.7
42	10.5	10.1	18.7

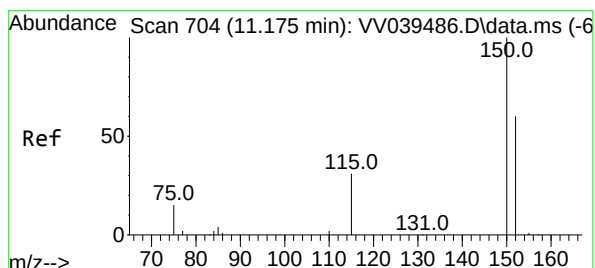
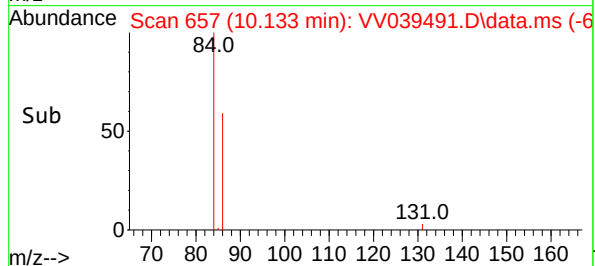
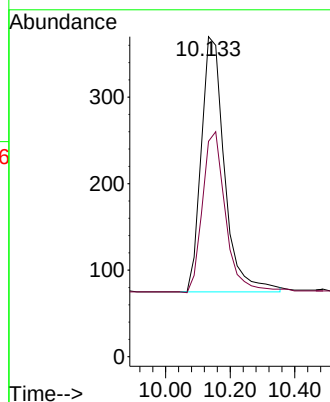
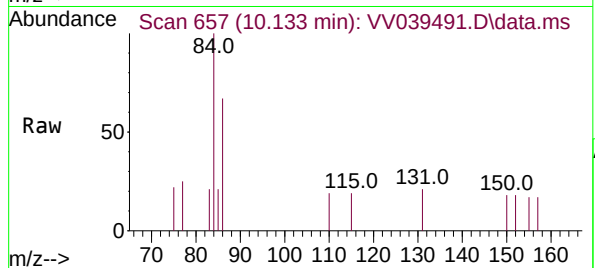




#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.527 ug/L
RT: 10.133 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV039491.D
Acq: 08 Dec 2025 14:38

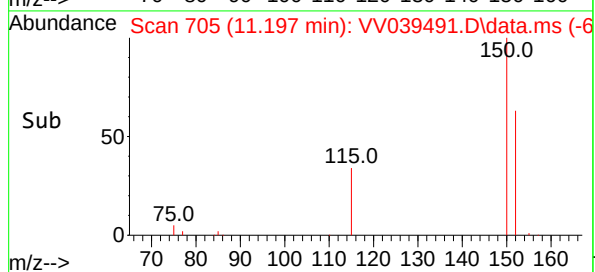
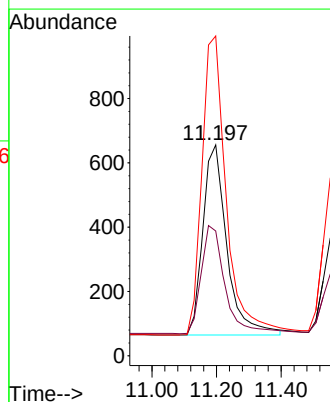
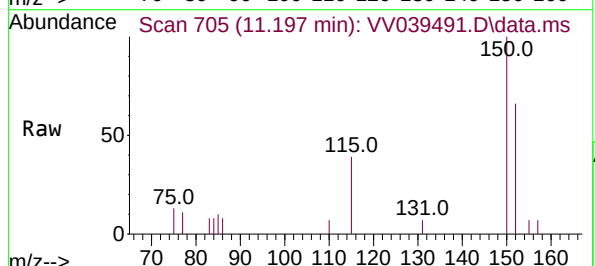
Instrument :
MSVOA_V
ClientSampleId :
TB01-120525

Tgt Ion: 84 Resp: 1474
Ion Ratio Lower Upper
84 100
86 61.6 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: VV039491.D
Acq: 08 Dec 2025 14:38

Tgt Ion:152 Resp: 3057
Ion Ratio Lower Upper
152 100
115 55.9 0.0 101.6
150 159.0 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
 Data File : VV039531.D
 Acq On : 10 Dec 2025 15:16
 Operator : SY/MD
 Sample : Q3788-14
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VHBLK001

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/12/2025

Quant Time: Dec 11 00:07:37 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	5732	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5821	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.198	152	2993	0.500	ug/L	0.02

System Monitoring Compounds

2) Vinyl Chloride-d3	1.295	65	3269m	0.581	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	116.000%
4) 1,2-Dichloroethane-d4	4.994	65	1880	0.493	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	98.000%
7) 1,2-Dichloropropane-d6	5.996	67	2195	0.447	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	90.000%
8) Toluene-d8	7.254	98	4025	0.486	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	98.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1606	0.580	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	116.000%

Target Compounds Qvalue

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

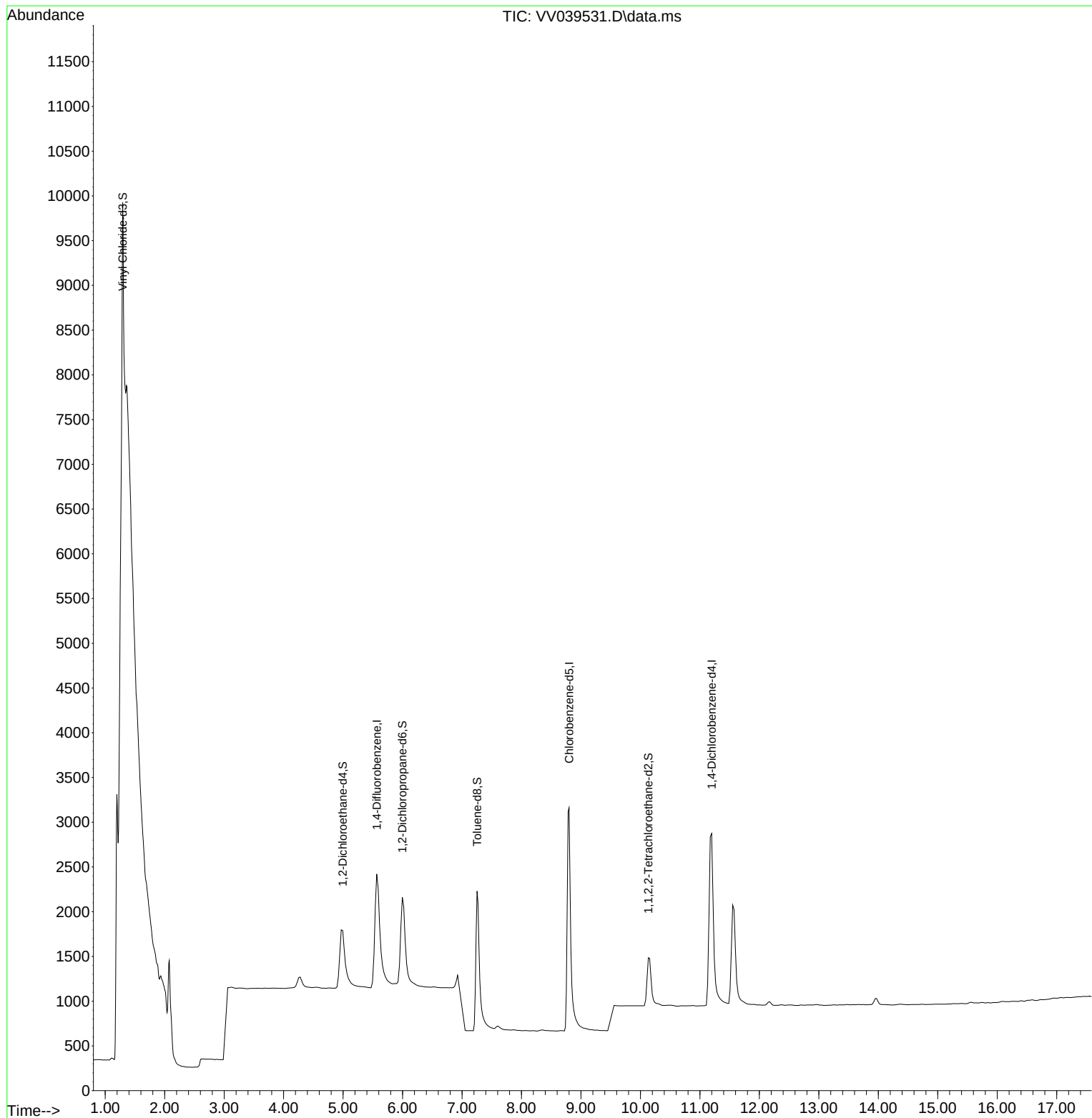
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039531.D
Acq On : 10 Dec 2025 15:16
Operator : SY/MD
Sample : Q3788-14
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

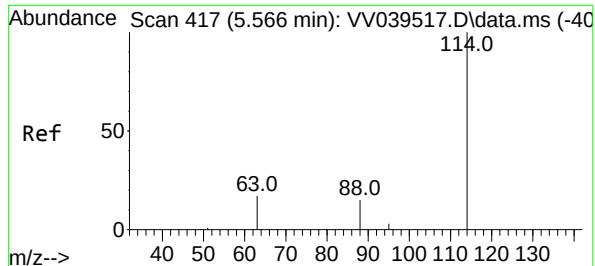
Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025

Quant Time: Dec 11 00:07:37 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# 417

Delta R.T. 0.000 min

Lab File: VV039531.D

Acq: 10 Dec 2025 15:16

Instrument :

MSVOA_V

ClientSampleId :

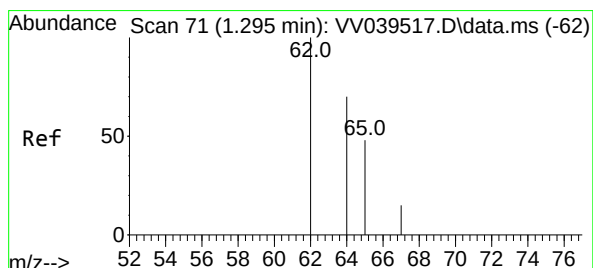
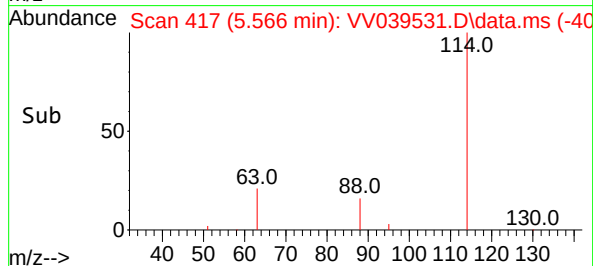
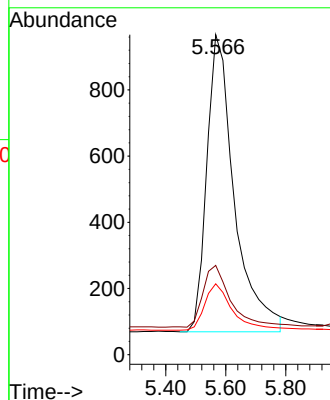
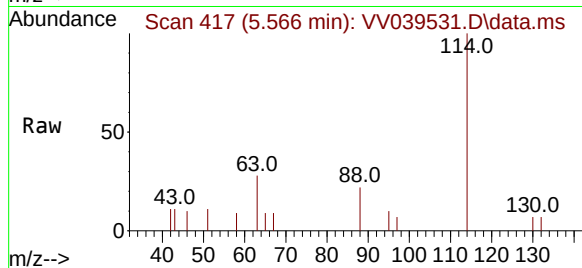
VHBLK001

Tgt Ion:	114	Resp:	573
Ion Ratio	Lower	Upper	
114	100		
63	20.8	15.0	22.4
88	15.5	12.0	18.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#2

Vinyl Chloride-d3

Concen: 0.581 ug/L m

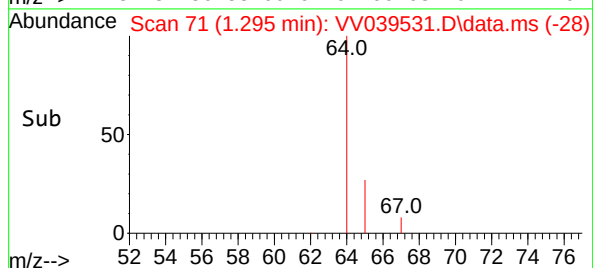
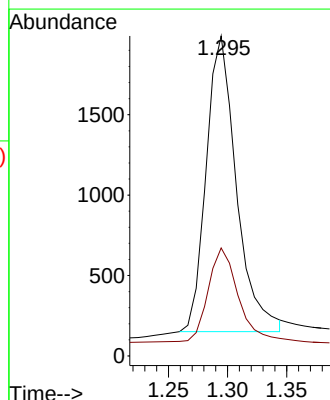
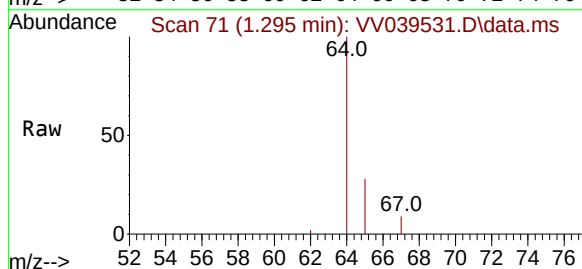
RT: 1.295 min Scan# 71

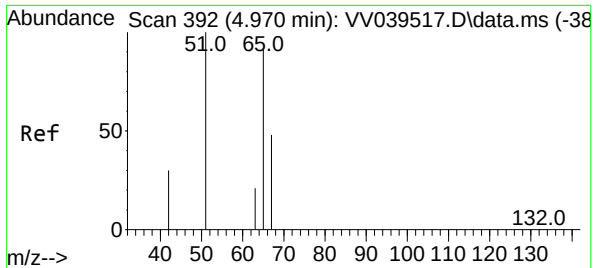
Delta R.T. 0.001 min

Lab File: VV039531.D

Acq: 10 Dec 2025 15:16

Tgt Ion:	65	Resp:	3269
Ion Ratio	Lower	Upper	
65	100		
67	33.9	22.3	41.5





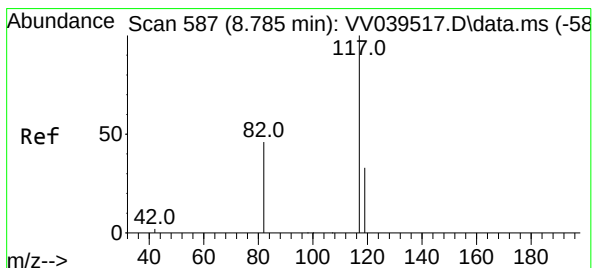
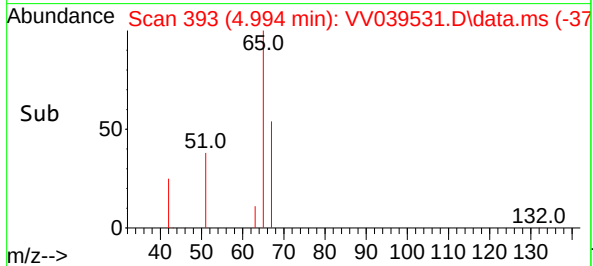
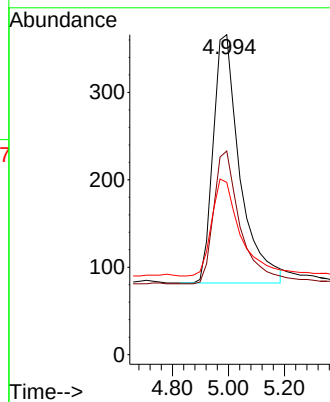
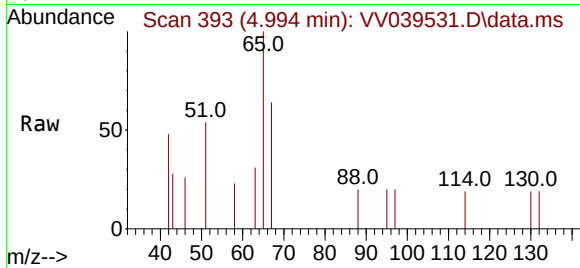
#4
1,2-Dichloroethane-d4
Concen: 0.493 ug/L
RT: 4.994 min Scan# 393
Delta R.T. 0.025 min
Lab File: VV039531.D
Acq: 10 Dec 2025 15:16

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Tgt Ion: 65 Resp: 1880
Ion Ratio Lower Upper
65 100
67 53.2 32.5 60.3
51 41.6 121.4 225.6

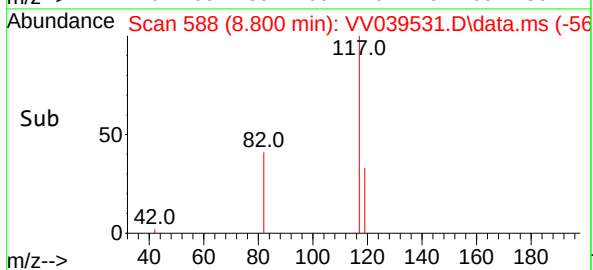
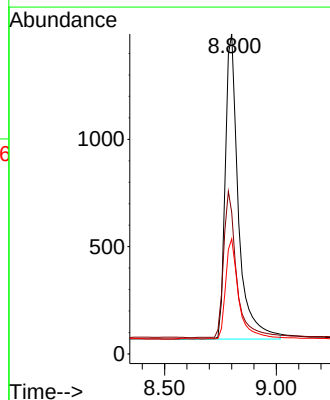
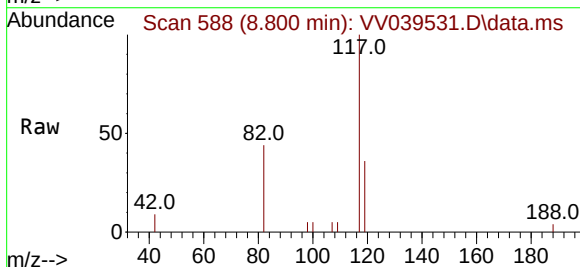
Manual Integrations
APPROVED

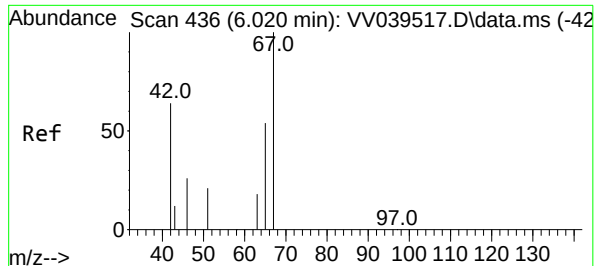
Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039531.D
Acq: 10 Dec 2025 15:16

Tgt Ion:117 Resp: 5821
Ion Ratio Lower Upper
117 100
82 47.1 39.4 59.2
119 32.5 26.2 39.2





#7

1,2-Dichloropropane-d6

Concen: 0.447 ug/L

RT: 5.996 min Scan# 436

Delta R.T. -0.023 min

Lab File: VV039531.D

Acq: 10 Dec 2025 15:16

Instrument :

MSVOA_V

ClientSampleId :

VHBLK001

Tgt Ion: 67 Resp: 219

Ion Ratio Lower Upper

67 100

65 63.3 37.9 56.9

46 45.3 27.4 41.0

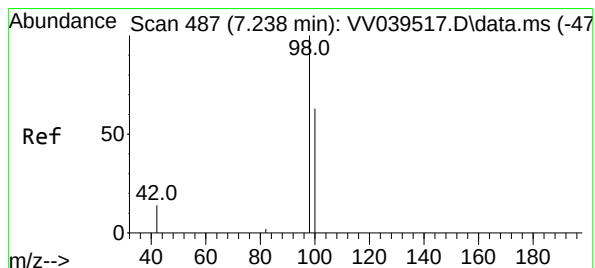
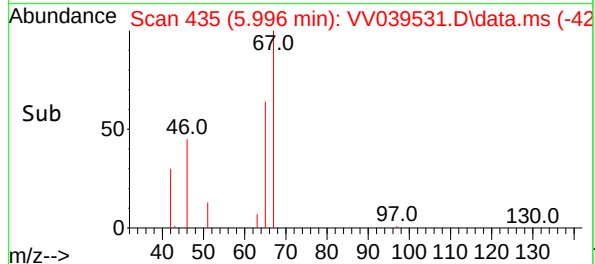
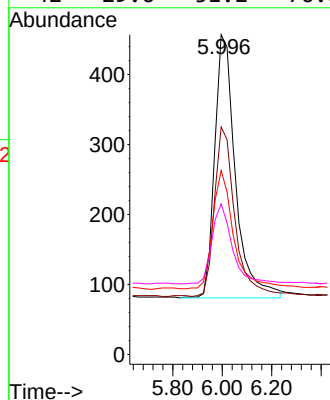
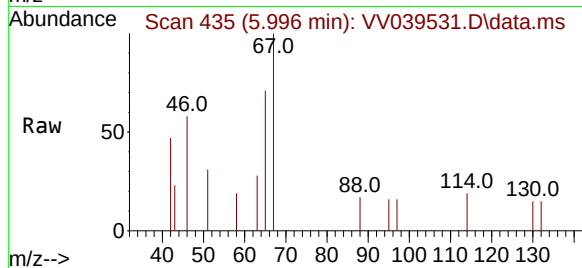
42 29.6 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025

Supervised By :Semsettin Yesilyurt 12/12/2025



#8

Toluene-d8

Concen: 0.486 ug/L

RT: 7.254 min Scan# 488

Delta R.T. 0.016 min

Lab File: VV039531.D

Acq: 10 Dec 2025 15:16

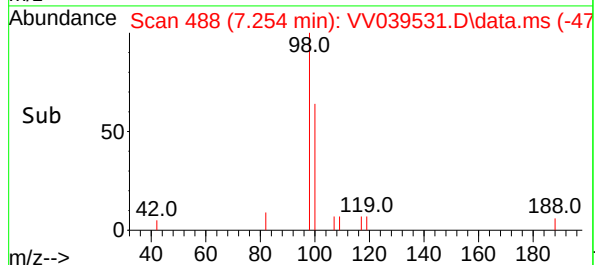
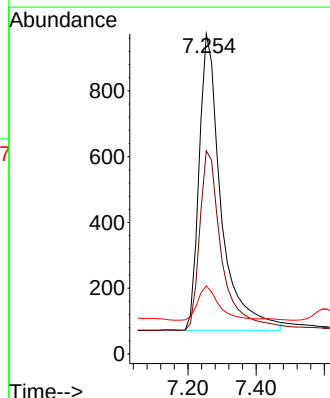
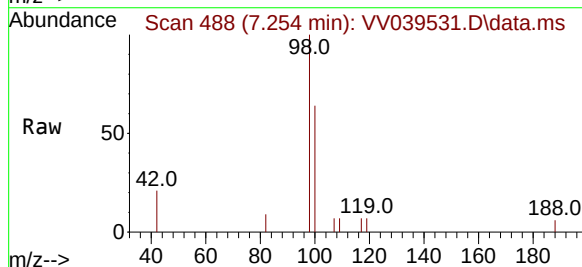
Tgt Ion: 98 Resp: 4025

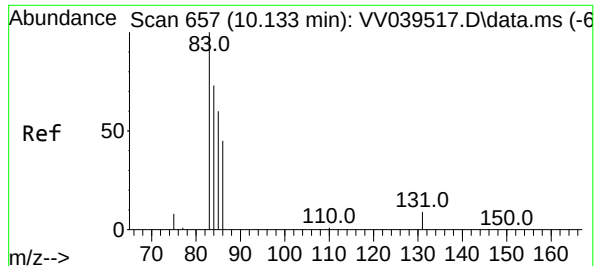
Ion Ratio Lower Upper

98 100

100 61.2 44.5 82.7

42 11.3 10.1 18.7





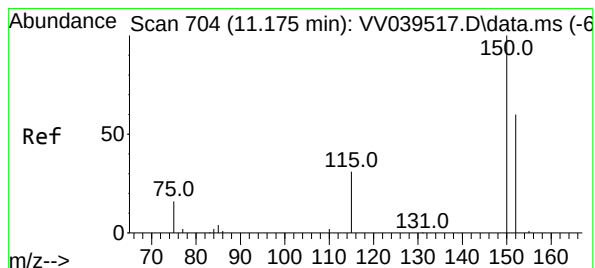
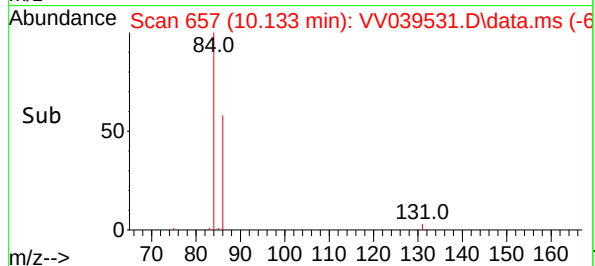
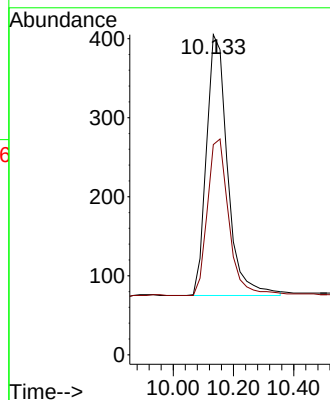
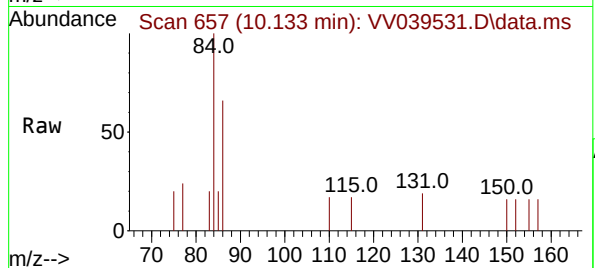
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.580 ug/L
RT: 10.133 min Scan# 610
Delta R.T. -0.000 min
Lab File: VV039531.D
Acq: 10 Dec 2025 15:16

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Tgt Ion: 84 Resp: 1600
Ion Ratio Lower Upper
84 100
86 60.9 44.4 82.5

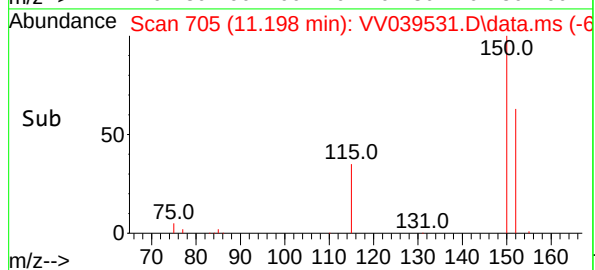
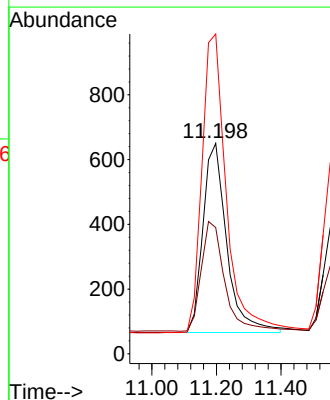
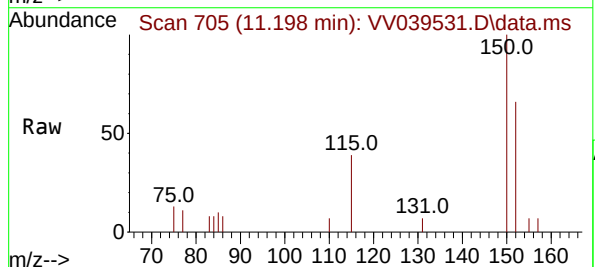
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/12/2025



#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.198 min Scan# 705
Delta R.T. 0.023 min
Lab File: VV039531.D
Acq: 10 Dec 2025 15:16

Tgt Ion:152 Resp: 2993
Ion Ratio Lower Upper
152 100
115 56.8 0.0 101.6
150 161.1 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
Data File : VV039487.D
Acq On : 08 Dec 2025 10:11
Operator : SY/MD
Sample : VV1208WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK237

Quant Time: Dec 09 01:26:54 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	7024	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	6420	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.197	152	3401	0.500	ug/L	0.02

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3701	0.524	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	104.000%
4) 1,2-Dichloroethane-d4	4.970	65	1961	0.419	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	84.000%
7) 1,2-Dichloropropane-d6	5.996	67	2147	0.396	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	80.000%
8) Toluene-d8	7.254	98	4181	0.458	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	92.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1552	0.508	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	102.000%

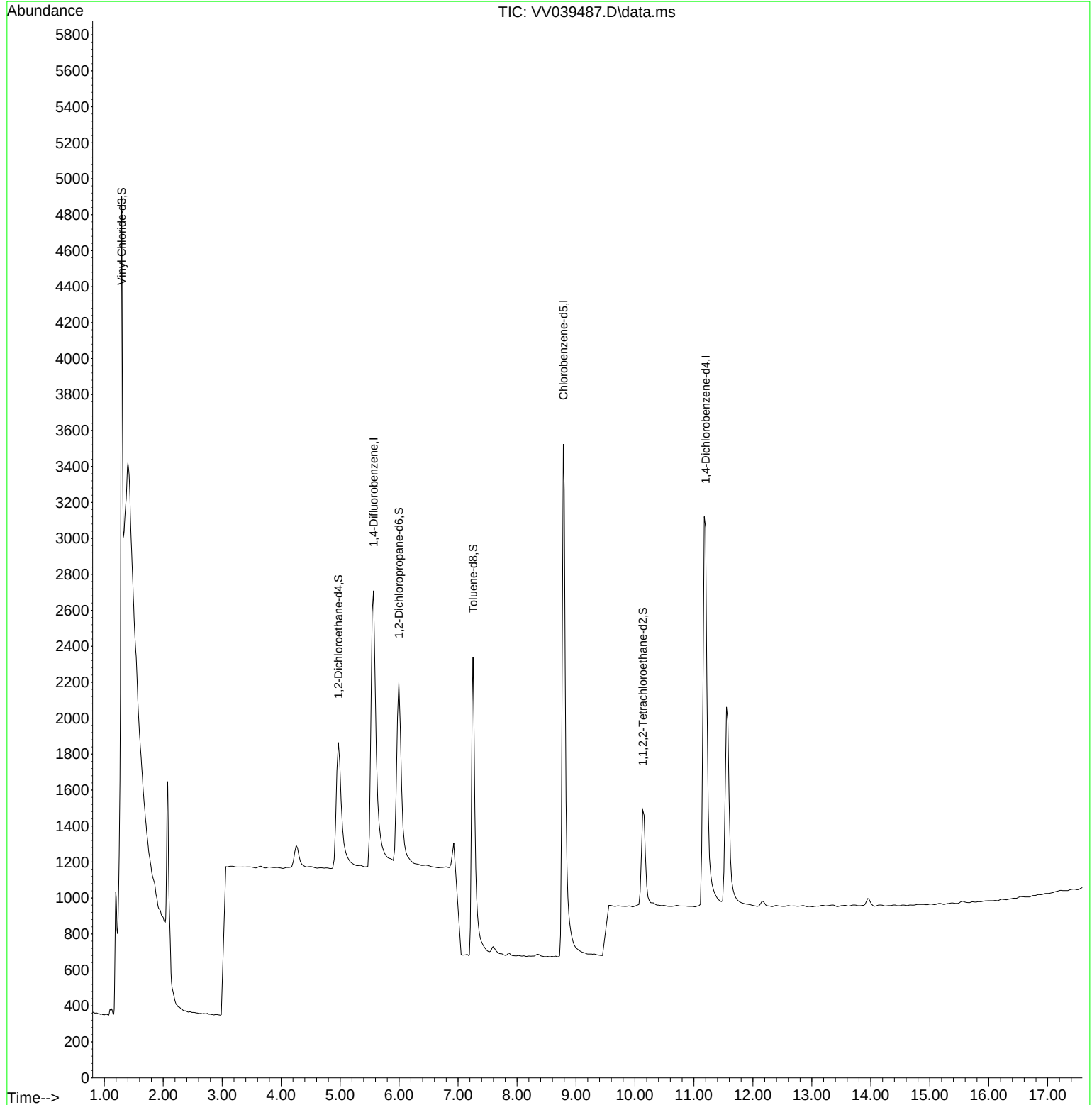
Target Compounds	Qvalue

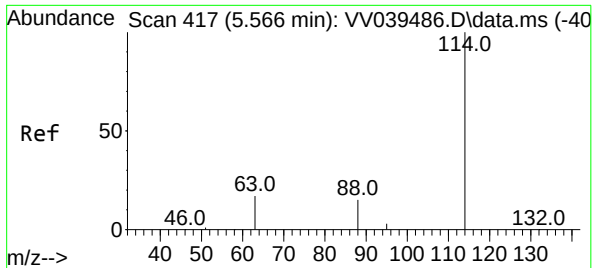
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
Data File : VV039487.D
Acq On : 08 Dec 2025 10:11
Operator : SY/MD
Sample : VV1208WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK237

Quant Time: Dec 09 01:26:54 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

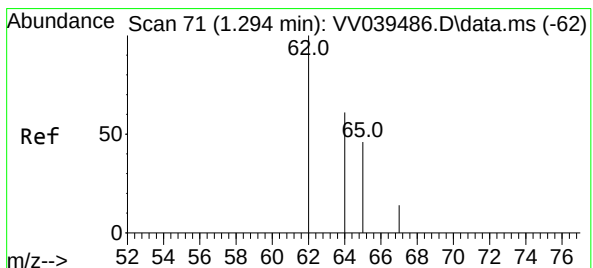
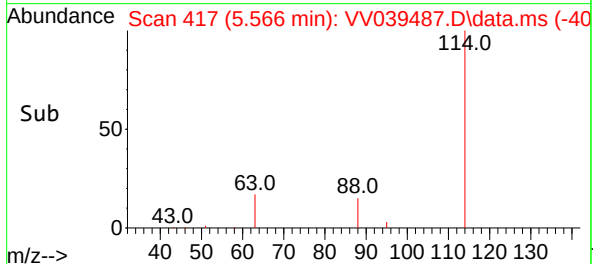
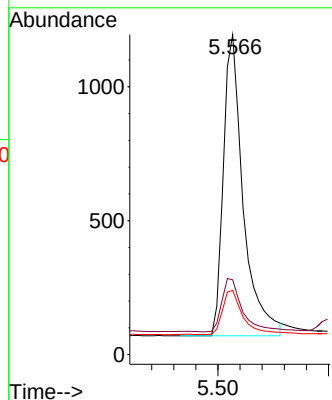
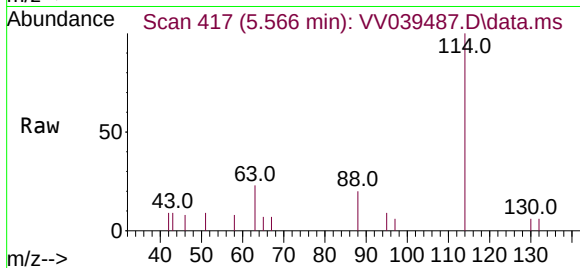




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

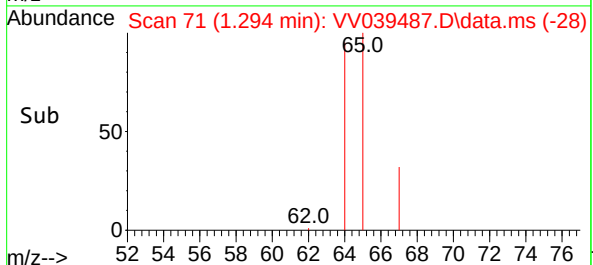
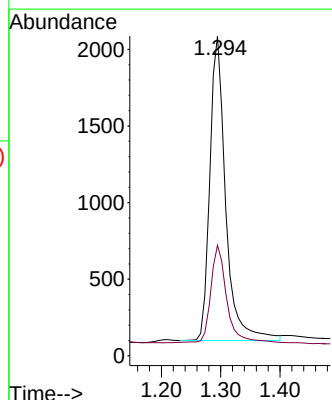
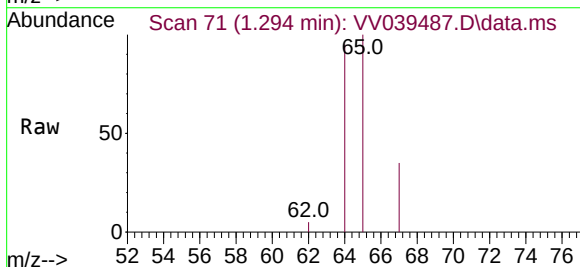
Instrument :
MSVOA_V
ClientSampleId :
VBLK237

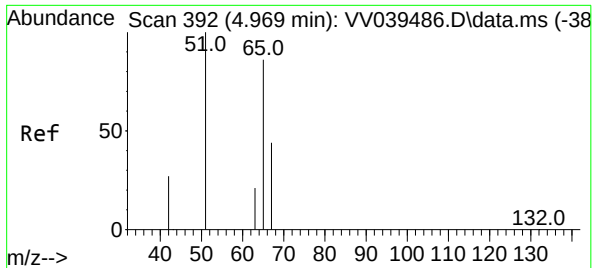
Tgt Ion:	114	Resp:	7024
Ion	Ratio	Lower	Upper
114	100		
63	18.2	15.0	22.4
88	14.9	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.524 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

Tgt Ion:	65	Resp:	3701
Ion	Ratio	Lower	Upper
65	100		
67	34.5	22.3	41.5

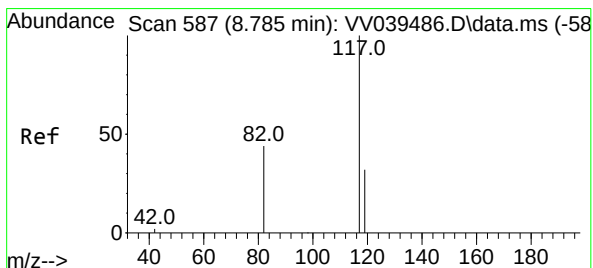
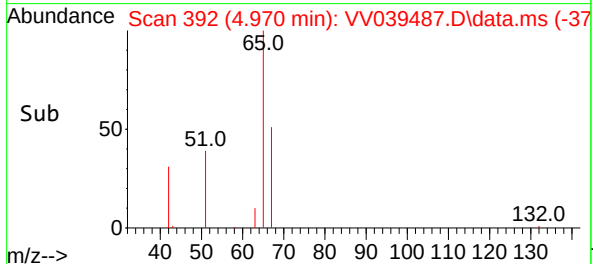
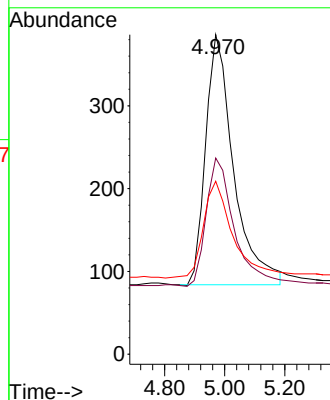
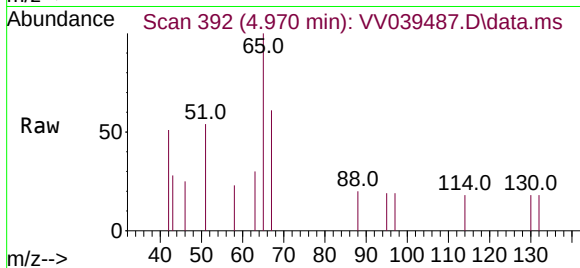




#4
1,2-Dichloroethane-d4
Concen: 0.419 ug/L
RT: 4.970 min Scan# 392
Delta R.T. 0.001 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

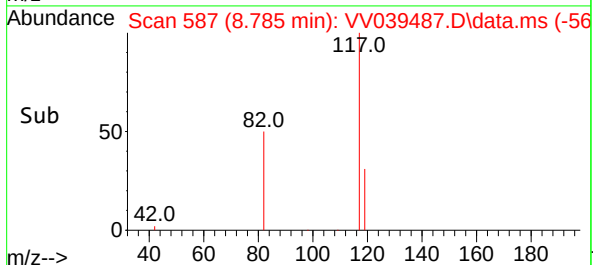
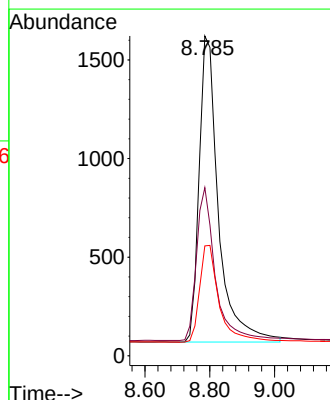
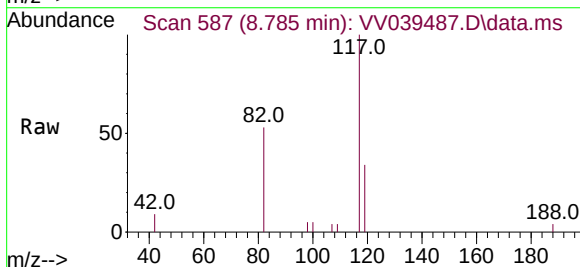
Instrument :
MSVOA_V
ClientSampleId :
VBLK237

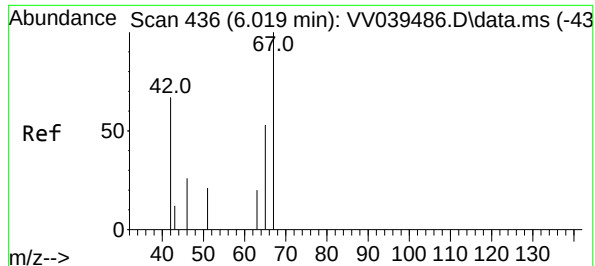
Tgt Ion: 65 Resp: 1961
Ion Ratio Lower Upper
65 100
67 51.8 32.5 60.3
51 40.8 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. 0.000 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

Tgt Ion: 117 Resp: 6420
Ion Ratio Lower Upper
117 100
82 48.5 39.4 59.2
119 32.2 26.2 39.2

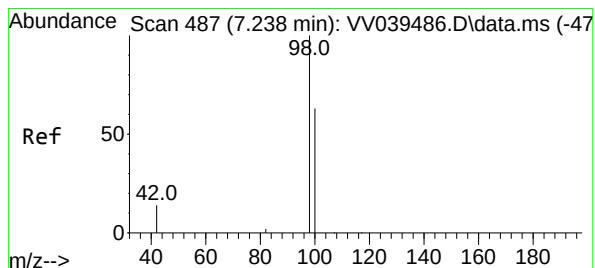
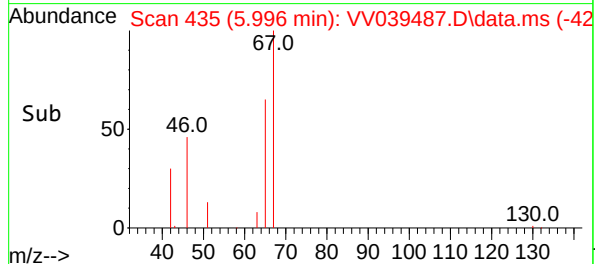
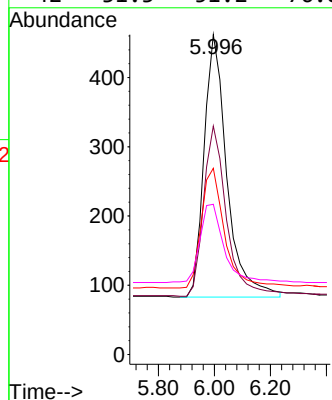
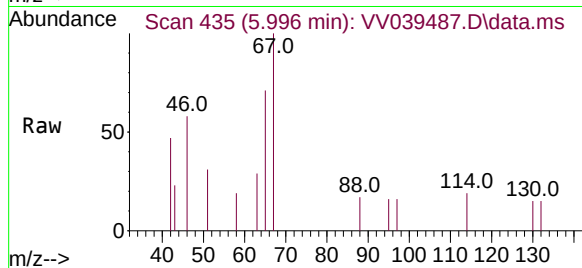




#7
1,2-Dichloropropane-d6
Concen: 0.396 ug/L
RT: 5.996 min Scan# 436
Delta R.T. -0.023 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

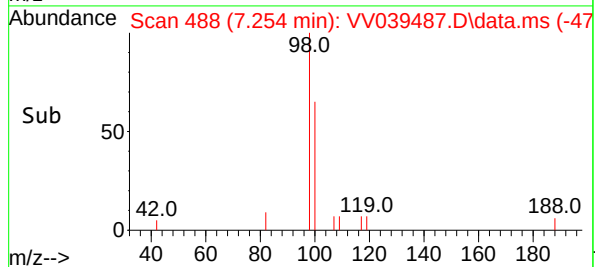
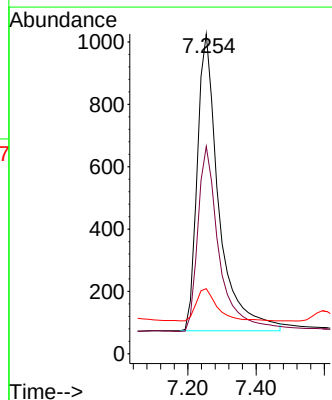
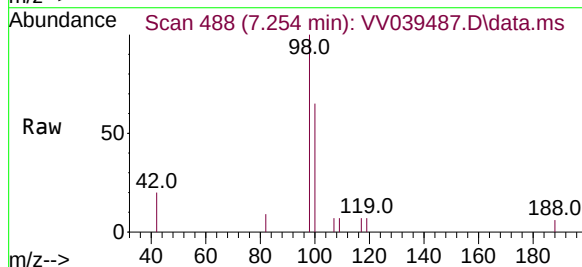
Instrument :
MSVOA_V
ClientSampleId :
VBLK237

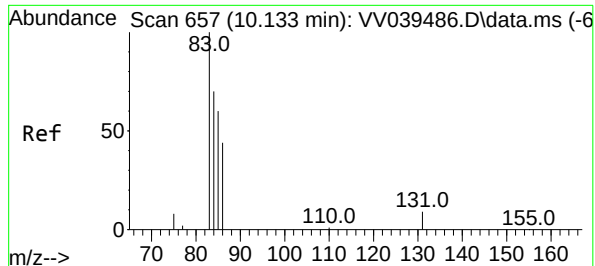
Tgt Ion:	67	Resp:	2147
Ion	Ratio	Lower	Upper
67	100		
65	65.3	37.9	56.9#
46	47.0	27.4	41.0#
42	31.3	51.2	76.8#



#8
Toluene-d8
Concen: 0.458 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

Tgt Ion:	98	Resp:	4181
Ion	Ratio	Lower	Upper
98	100		
100	62.2	44.5	82.7
42	10.3	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.508 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039487.D

Acq: 08 Dec 2025 10:11

Instrument :

MSVOA_V

ClientSampleId :

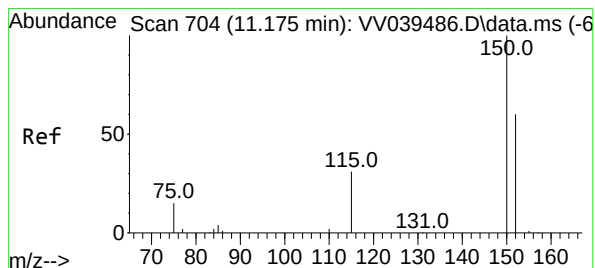
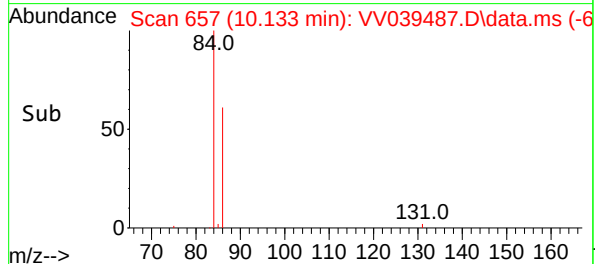
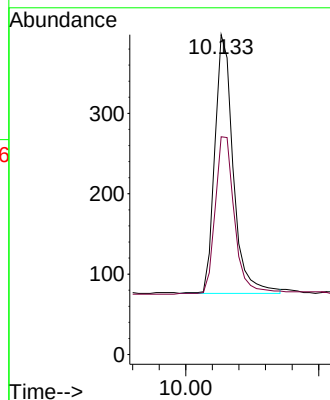
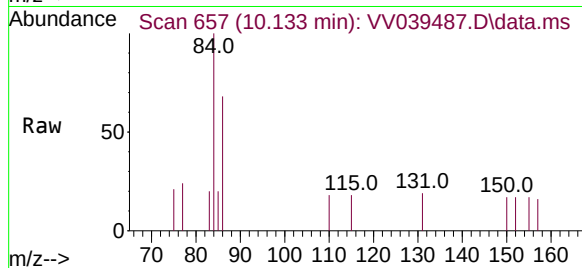
VBLK237

Tgt Ion: 84 Resp: 1552

Ion Ratio Lower Upper

84 100

86 64.0 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: VV039487.D

Acq: 08 Dec 2025 10:11

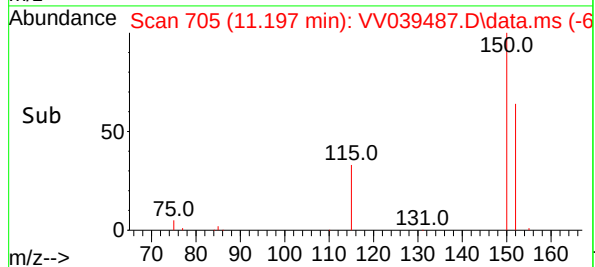
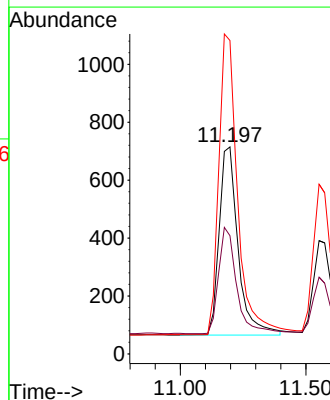
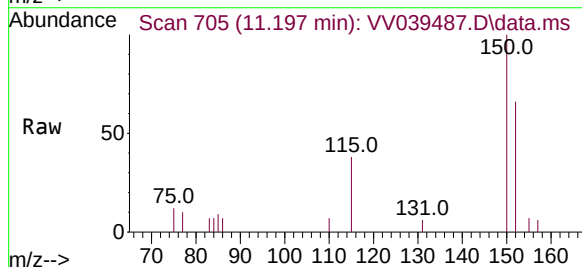
Tgt Ion:152 Resp: 3401

Ion Ratio Lower Upper

152 100

115 53.7 0.0 101.6

150 158.2 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039518.D
Acq On : 10 Dec 2025 09:36
Operator : SY/MD
Sample : VV1210WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK239

Quant Time: Dec 11 00:05:16 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	5966	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5775	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	2945	0.500	ug/L	0.02

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3410	0.582	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	116.000%
4) 1,2-Dichloroethane-d4	4.969	65	1886	0.475	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	94.000%
7) 1,2-Dichloropropane-d6	5.995	67	2149	0.441	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	88.000%
8) Toluene-d8	7.253	98	4093	0.498	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	100.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1521	0.554	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	110.000%

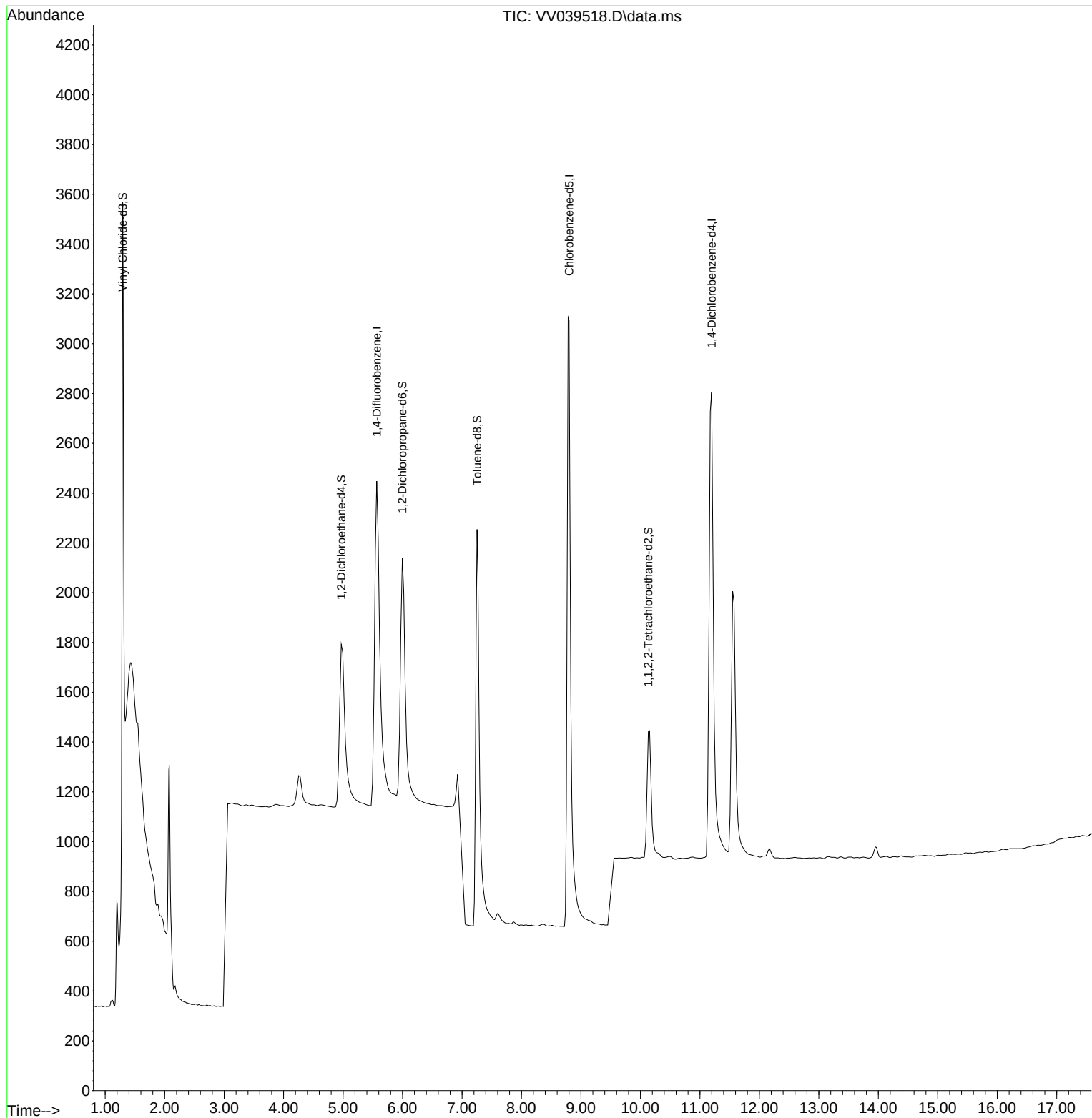
Target Compounds	Qvalue

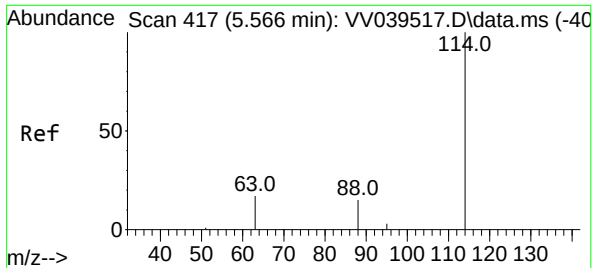
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039518.D
Acq On : 10 Dec 2025 09:36
Operator : SY/MD
Sample : VV1210WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK239

Quant Time: Dec 11 00:05:16 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

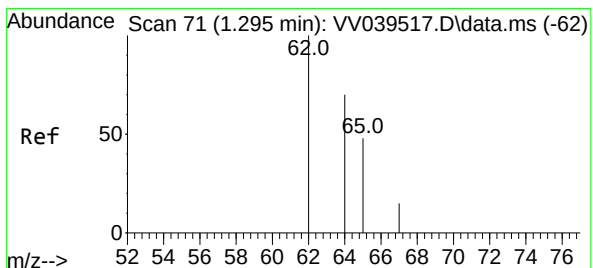
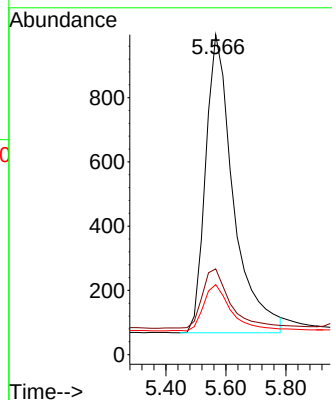
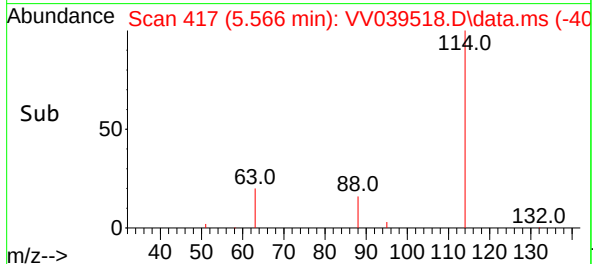
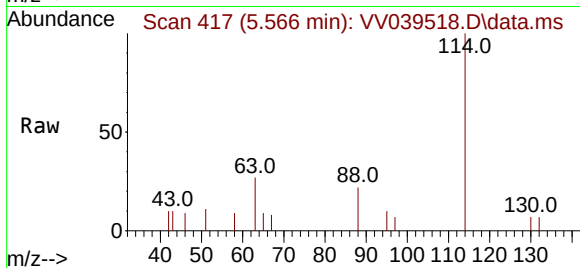




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

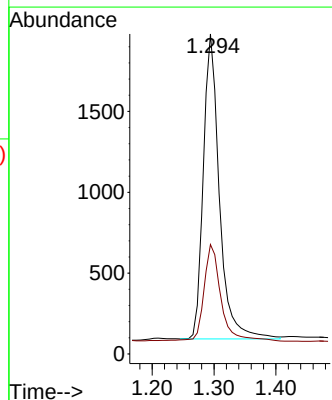
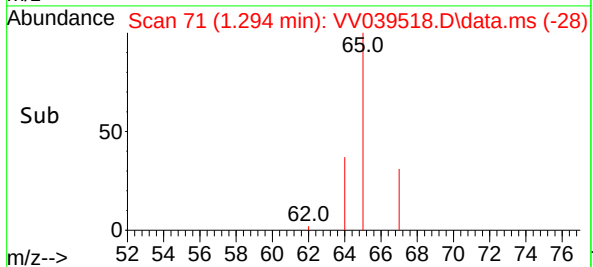
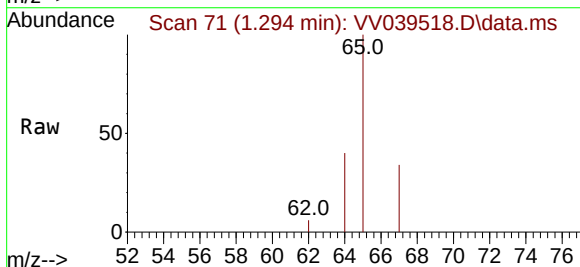
Instrument :
MSVOA_V
ClientSampleId :
VBLK239

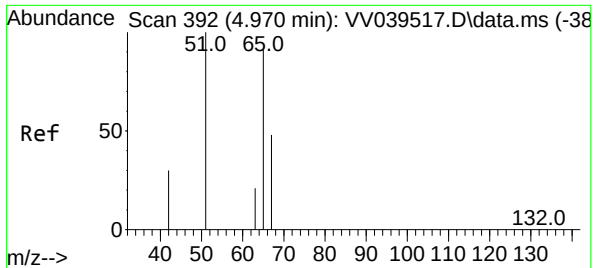
Tgt Ion:	114	Resp:	5966
Ion	Ratio	Lower	Upper
114	100		
63	20.1	15.0	22.4
88	15.4	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.582 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

Tgt Ion:	65	Resp:	3410
Ion	Ratio	Lower	Upper
65	100		
67	34.0	22.3	41.5

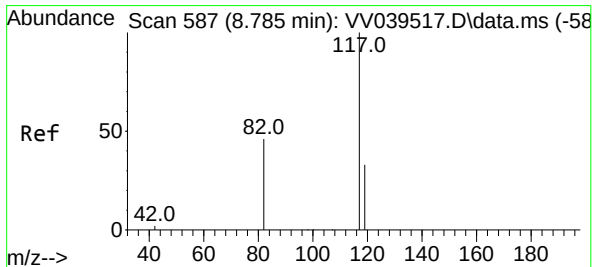
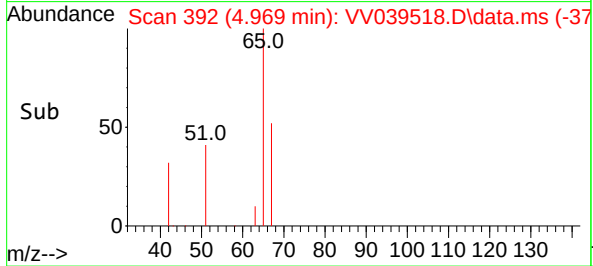
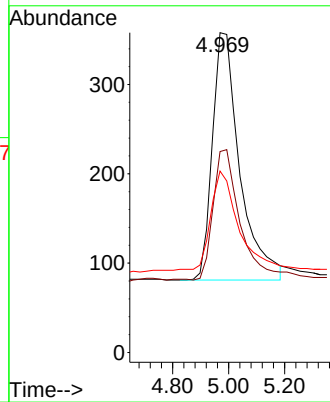
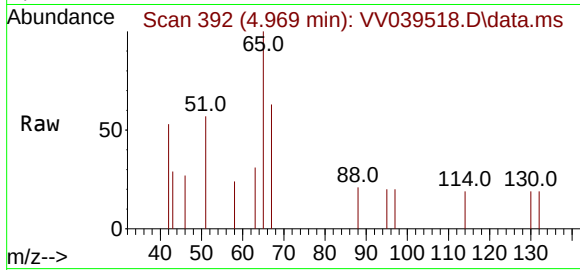




#4
1,2-Dichloroethane-d4
Concen: 0.475 ug/L
RT: 4.969 min Scan# 392
Delta R.T. 0.000 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

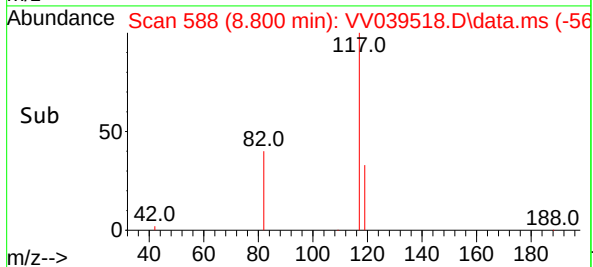
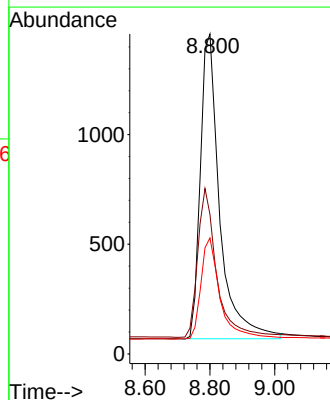
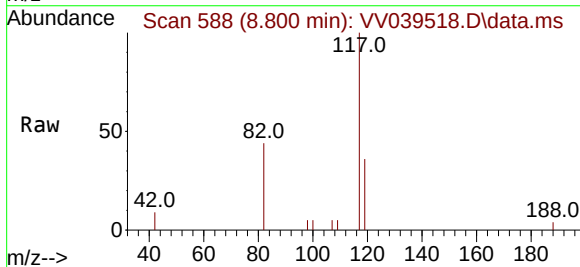
Instrument :
MSVOA_V
ClientSampleId :
VBLK239

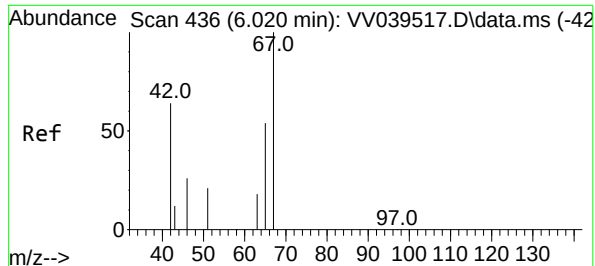
Tgt Ion: 65 Resp: 1886
Ion Ratio Lower Upper
65 100
67 51.6 32.5 60.3
51 41.7 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

Tgt Ion: 117 Resp: 5775
Ion Ratio Lower Upper
117 100
82 47.8 39.4 59.2
119 32.9 26.2 39.2



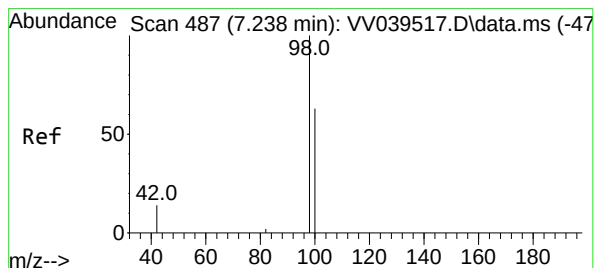
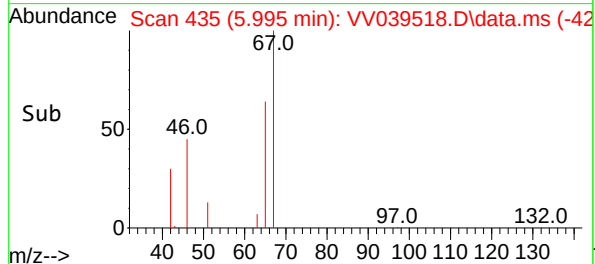
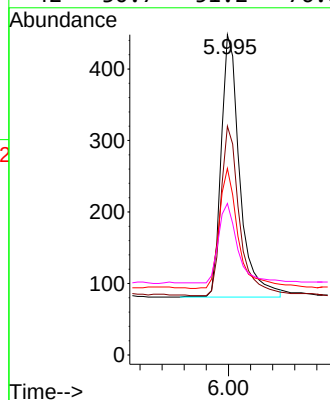
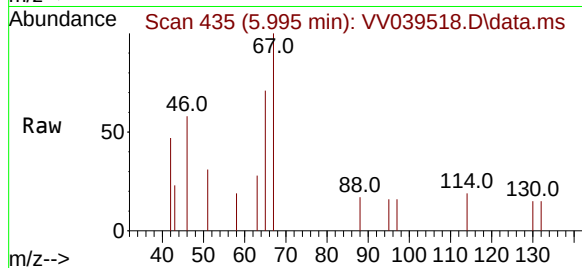


#7
1,2-Dichloropropane-d6
Concen: 0.441 ug/L
RT: 5.995 min Scan# 41
Delta R.T. -0.024 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

Instrument :
MSVOA_V
ClientSampleId :
VBLK239

Tgt Ion: 67 Resp: 2149

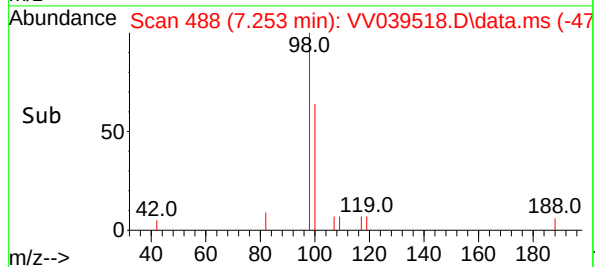
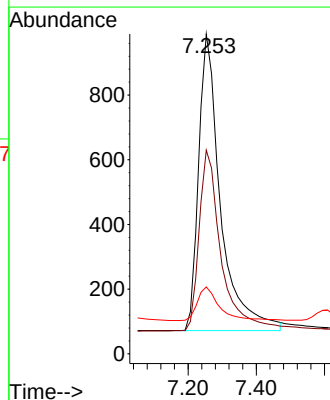
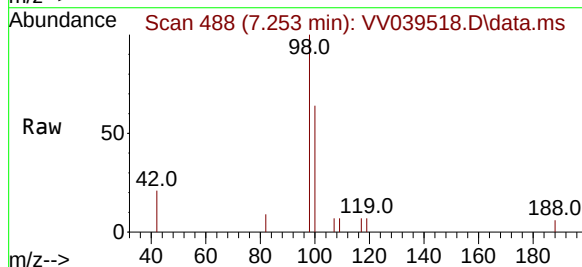
Ion	Ratio	Lower	Upper
67	100		
65	64.0	37.9	56.9#
46	46.5	27.4	41.0#
42	30.7	51.2	76.8#

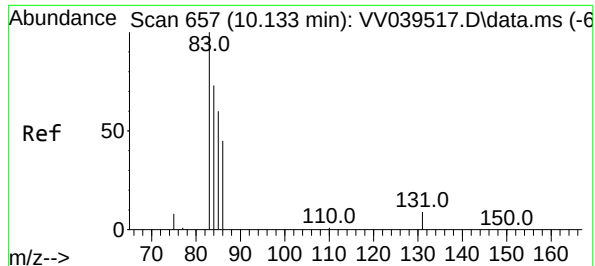


#8
Toluene-d8
Concen: 0.498 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

Tgt Ion: 98 Resp: 4093

Ion	Ratio	Lower	Upper
98	100		
100	60.7	44.5	82.7
42	11.3	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.554 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039518.D

Acq: 10 Dec 2025 09:36

Instrument :

MSVOA_V

ClientSampleId :

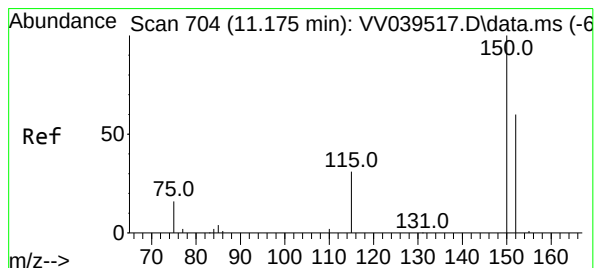
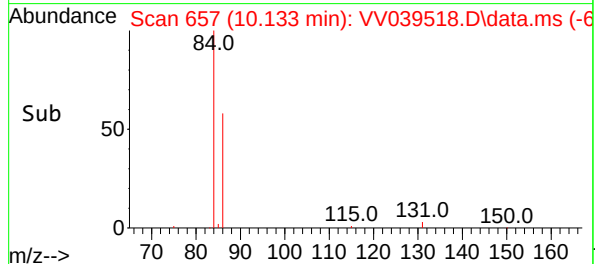
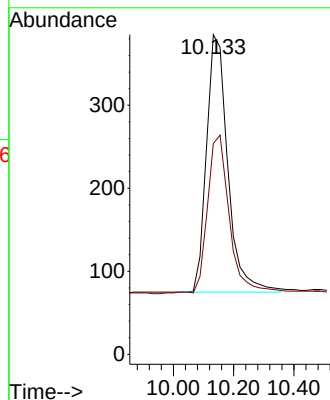
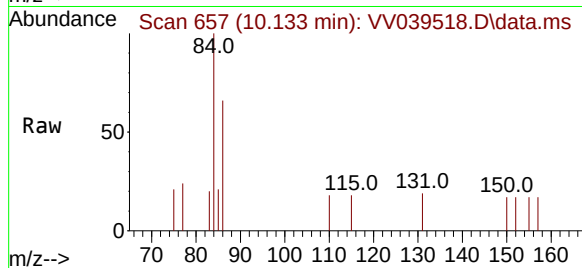
VBLK239

Tgt Ion: 84 Resp: 1521

Ion Ratio Lower Upper

84 100

86 64.0 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: VV039518.D

Acq: 10 Dec 2025 09:36

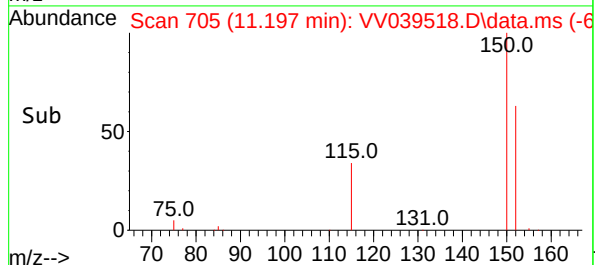
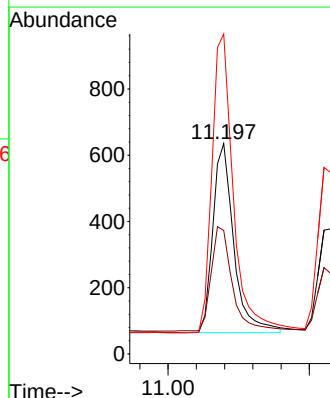
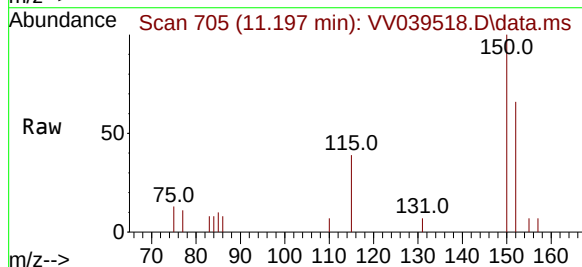
Tgt Ion:152 Resp: 2945

Ion Ratio Lower Upper

152 100

115 55.2 0.0 101.6

150 160.1 0.0 396.2



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
 Data File : VV039496.D
 Acq On : 08 Dec 2025 16:24
 Operator : SY/MD
 Sample : Q3788-05MS
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 OWBR-05-135-120525-SIMMS

Quant Time: Dec 09 01:28:37 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)

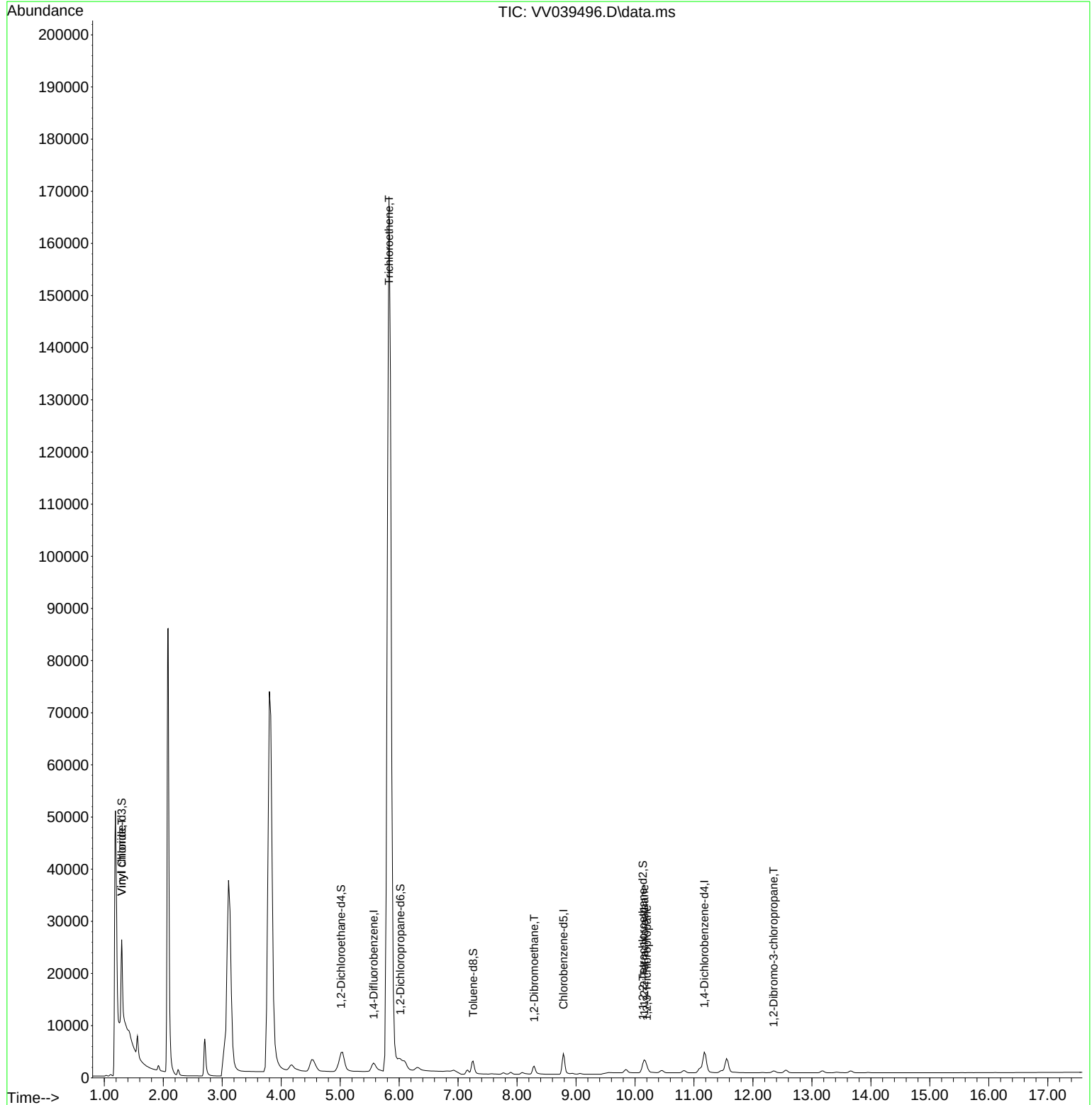
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7409	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.784	117	7334	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.175	152	4127	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3975	0.534	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 106.000%			
4) 1,2-Dichloroethane-d4	5.017	65	3997	0.810	ug/L	0.05
Spiked Amount 0.500	Range 70 - 130		Recovery = 162.000%#			
7) 1,2-Dichloropropane-d6	6.019	67	3475	0.562	ug/L	0.00
Spiked Amount 0.500	Range 60 - 140		Recovery = 112.000%			
8) Toluene-d8	7.253	98	5556	0.532	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 106.000%			
10) 1,1,2,2-Tetrachloroeth...	10.132	84	1891	0.542	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 108.000%			
Target Compounds						
					Qvalue	
3) Vinyl chloride	1.294	62	17638	1.100	ug/L #	1
6) Trichloroethene	5.828	95	200661	22.075	ug/L	96
9) 1,2-Dibromoethane	8.289	107	2875	0.479	ug/L	99
11) 1,1,2,2-Tetrachloroethane	10.154	83	3888	0.528	ug/L	100
13) 1,2,3-Trichloropropane	10.199	75	2192	0.505	ug/L	97
14) 1,2-Dibromo-3-chloropr...	12.350	75	426	0.484	ug/L	87

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
Data File : VV039496.D
Acq On : 08 Dec 2025 16:24
Operator : SY/MD
Sample : Q3788-05MS
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OWBR-05-135-120525-SIMMS

Quant Time: Dec 09 01:28:37 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



6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
 Data File : VV039497.D
 Acq On : 08 Dec 2025 16:45
 Operator : SY/MD
 Sample : Q3788-06MSD
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 OWBR-05-135-120525-SIMMSD

Quant Time: Dec 09 01:28:49 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)

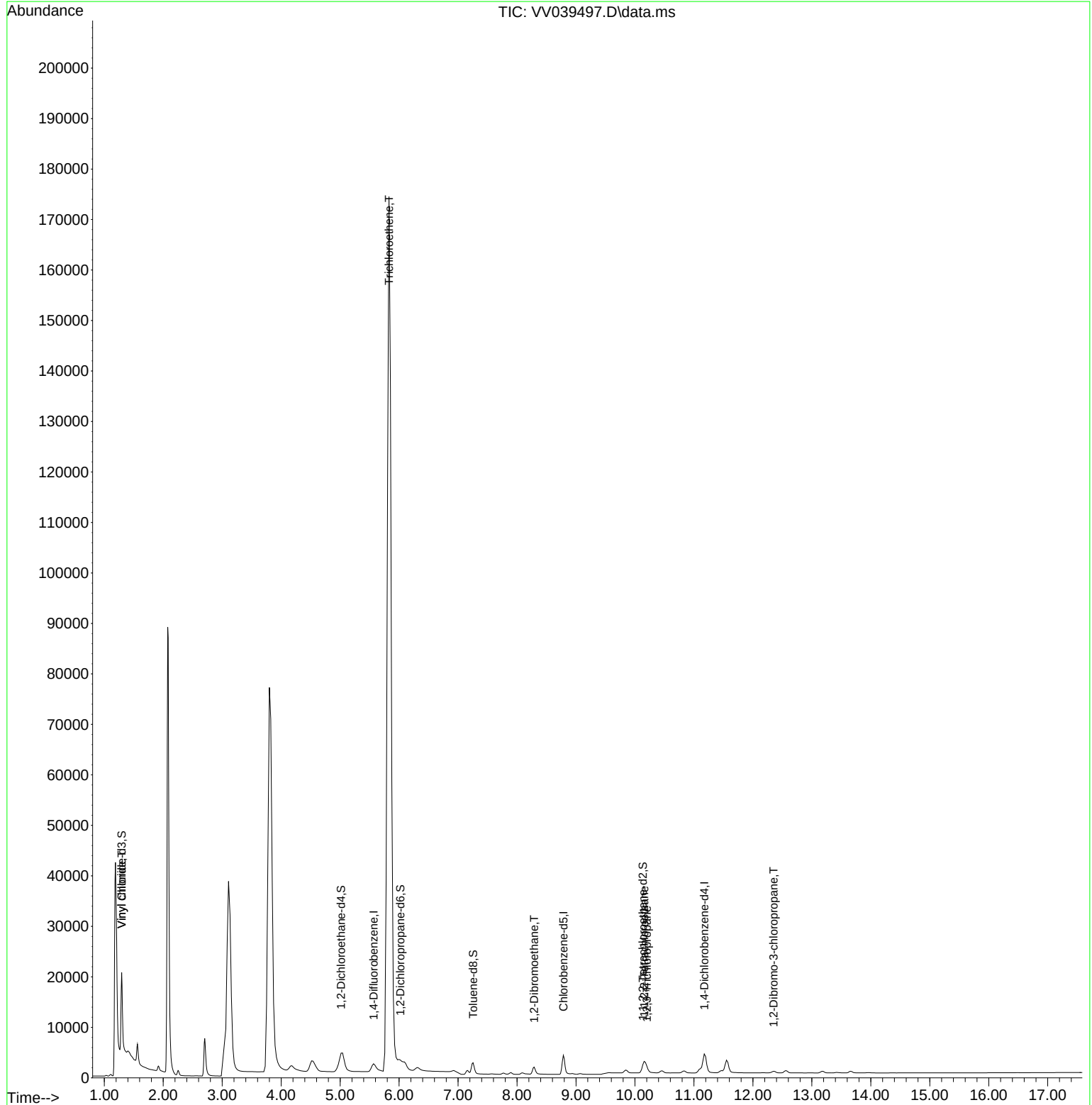
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7167	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	7036	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.175	152	3963	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	3522	0.489	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery =	98.000%		
4) 1,2-Dichloroethane-d4	5.017	65	3883	0.814	ug/L	0.05
Spiked Amount 0.500	Range 70 - 130		Recovery =	162.000%#		
7) 1,2-Dichloropropane-d6	6.020	67	3151	0.531	ug/L	0.00
Spiked Amount 0.500	Range 60 - 140		Recovery =	106.000%		
8) Toluene-d8	7.254	98	5061	0.505	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery =	102.000%		
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1706	0.510	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery =	102.000%		
Target Compounds						
					Qvalue	
3) Vinyl chloride	1.295	62	17532	1.131	ug/L #	26
6) Trichloroethene	5.829	95	208171	23.871	ug/L	96
9) 1,2-Dibromoethane	8.290	107	2636	0.458	ug/L	100
11) 1,1,2,2-Tetrachloroethane	10.155	83	3589	0.509	ug/L	99
13) 1,2,3-Trichloropropane	10.199	75	2045	0.490	ug/L	97
14) 1,2-Dibromo-3-chloropr...	12.351	75	426	0.504	ug/L	88

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
Data File : VV039497.D
Acq On : 08 Dec 2025 16:45
Operator : SY/MD
Sample : Q3788-06MSD
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OWBR-05-135-120525-SIMMSD

Quant Time: Dec 09 01:28:49 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



Manual Integration Report

Sequence:

VV120325

Instrument

MSVOA_v

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



Manual Integration Report

Sequence:	VV120825	Instrument	MSVOA_v
-----------	----------	------------	---------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
-----------	---------	-----------	-----------	-----------	---------------	---------------	--------

Manual Integration Report

Sequence:	VV121025	Instrument	MSVOA_v
-----------	----------	------------	---------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3788-12	VV039522.D	Vinyl chloride	MMDadoda	12/11/2025 11:43:14 AM	sam	12/12/2025 2:32:42 PM	Peak Integrated by Software
Q3788-10RE	VV039528.D	Vinyl Chloride-d3	MMDadoda	12/11/2025 11:43:29 AM	sam	12/12/2025 2:33:35 PM	Peak Integrated by Software
Q3788-14	VV039531.D	Vinyl Chloride-d3	MMDadoda	12/11/2025 11:43:39 AM	sam	12/12/2025 2:33:12 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV120825

Review By	John Carlone	Review On	12/9/2025 1:29:19 PM
Supervise By	Maresh Dadoda	Supervise On	12/10/2025 8:56:42 AM
SubDirectory	VV120825	HP Acquire Method	sim_v
		HP Processing Method	SFAMVSIM120325MA.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136594		
CCC	VP136596,VP136597		
Internal Standard/PEM	VP135611		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB247	VV039485.D	08 Dec 2025 08:14	SY/MD	Ok
2	VSTDCCC0.5	VV039486.D	08 Dec 2025 09:00	SY/MD	Ok
3	VV1208WBL01	VV039487.D	08 Dec 2025 10:11	SY/MD	Ok
4	Q3787-21	VV039488.D	08 Dec 2025 12:02	SY/MD	Ok
5	Q3787-04	VV039489.D	08 Dec 2025 13:54	SY/MD	Ok,M
6	VIBLK231	VV039490.D	08 Dec 2025 14:15	SY/MD	Ok
7	Q3788-13	VV039491.D	08 Dec 2025 14:38	SY/MD	Ok
8	Q3788-04	VV039492.D	08 Dec 2025 14:59	SY/MD	Ok
9	VIBLK232	VV039493.D	08 Dec 2025 15:20	SY/MD	Ok
10	Q3787-05MS	VV039494.D	08 Dec 2025 15:41	SY/MD	Ok,M
11	Q3787-06MSD	VV039495.D	08 Dec 2025 16:02	SY/MD	Ok,M
12	Q3788-05MS	VV039496.D	08 Dec 2025 16:24	SY/MD	Ok
13	Q3788-06MSD	VV039497.D	08 Dec 2025 16:45	SY/MD	Ok
14	VIBLK233	VV039498.D	08 Dec 2025 17:06	SY/MD	Ok
15	VSTDCCC0.5EC	VV039499.D	08 Dec 2025 17:27	SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV121025

Review By	Mahesh Dadoda	Review On	12/11/2025 11:43:06 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/12/2025 2:33:51 PM
SubDirectory	VV121025	HP Acquire Method	sim_v
		HP Processing Method	SFAMVSIM120325MA.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136620		
CCC	VP136621,VP136622		
Internal Standard/PEM	VP135611		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB249	VV039516.D	10 Dec 2025 08:29	SY/MD	Ok
2	VSTDCCC0.5	VV039517.D	10 Dec 2025 09:10	SY/MD	Ok
3	VV1210WBL01	VV039518.D	10 Dec 2025 09:36	SY/MD	Ok
4	Q3787-22	VV039519.D	10 Dec 2025 10:19	SY/MD	Ok
5	Q3788-08	VV039520.D	10 Dec 2025 10:40	SY/MD	Ok
6	Q3788-10	VV039521.D	10 Dec 2025 11:02	SY/MD	ReRun
7	Q3788-12	VV039522.D	10 Dec 2025 11:23	SY/MD	Ok,M
8	VIBLK235	VV039523.D	10 Dec 2025 11:58	SY/MD	Ok
9	Q3788-14	VV039524.D	10 Dec 2025 12:35	SY/MD	Not Ok
10	Q3813-02	VV039525.D	10 Dec 2025 13:01	SY/MD	Ok,M
11	Q3813-03	VV039526.D	10 Dec 2025 13:29	SY/MD	Ok,M
12	Q3813-04	VV039527.D	10 Dec 2025 13:51	SY/MD	Ok,M
13	Q3788-10RE	VV039528.D	10 Dec 2025 14:12	SY/MD	Confirms
14	VIBLK236	VV039529.D	10 Dec 2025 14:33	SY/MD	Ok,M
15	Q3813-05	VV039530.D	10 Dec 2025 14:54	SY/MD	Ok,M
16	Q3788-14	VV039531.D	10 Dec 2025 15:16	SY/MD	Ok,M
17	VSTDCCC0.5EC	VV039532.D	10 Dec 2025 15:47	SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV120825

Review By	John Carlone	Review On	12/9/2025 1:29:19 PM
Supervise By	Maresh Dadoda	Supervise On	12/10/2025 8:56:42 AM
SubDirectory	VV120825	HP Acquire Method	sim_v
		HP Processing Method	SFAMVSIM120325MA.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP136594
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136596,VP136597 VP135611

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB247	BFB247	VV039485.D	08 Dec 2025 08:14		SY/MD	Ok
2	VSTDCCC0.5	VSTD0.5337	VV039486.D	08 Dec 2025 09:00	pH#lot#v14222	SY/MD	Ok
3	VV1208WBL01	VBLK237	VV039487.D	08 Dec 2025 10:11		SY/MD	Ok
4	Q3787-21	TB01-120425	VV039488.D	08 Dec 2025 12:02	pH#1.0 A,TB	SY/MD	Ok
5	Q3787-04	MW-15B-42.5-120425-	VV039489.D	08 Dec 2025 13:54	pH#1.0 A	SY/MD	Ok,M
6	VIBLK231	VIBLK231	VV039490.D	08 Dec 2025 14:15		SY/MD	Ok
7	Q3788-13	TB01-120525	VV039491.D	08 Dec 2025 14:38	pH#1.0 A ,TB	SY/MD	Ok
8	Q3788-04	OWBR-05-135-120525	VV039492.D	08 Dec 2025 14:59	pH#1.0 A	SY/MD	Ok
9	VIBLK232	VIBLK232	VV039493.D	08 Dec 2025 15:20		SY/MD	Ok
10	Q3787-05MS	MW-15B-42.5-120425-	VV039494.D	08 Dec 2025 15:41	pH#1.0 A	SY/MD	Ok,M
11	Q3787-06MSD	MW-15B-42.5-120425-	VV039495.D	08 Dec 2025 16:02	pH#1.0 A	SY/MD	Ok,M
12	Q3788-05MS	OWBR-05-135-120525	VV039496.D	08 Dec 2025 16:24	pH#1.0 A	SY/MD	Ok
13	Q3788-06MSD	OWBR-05-135-120525	VV039497.D	08 Dec 2025 16:45	pH#1.0 A	SY/MD	Ok
14	VIBLK233	VIBLK233	VV039498.D	08 Dec 2025 17:06		SY/MD	Ok
15	VSTDCCC0.5EC	VSTD0.5338	VV039499.D	08 Dec 2025 17:27		SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV121025

Review By	Maresh Dadoda	Review On	12/11/2025 11:43:06 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/12/2025 2:33:51 PM
SubDirectory	VV121025	HP Acquire Method	sim_v
		HP Processing Method	SFAMVSIM120325MA.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP136620
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136621,VP136622 VP135611

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB249	BFB249	VV039516.D	10 Dec 2025 08:29		SY/MD	Ok
2	VSTDCCC0.5	VSTD0.5341	VV039517.D	10 Dec 2025 09:10	pH#lot#v14222	SY/MD	Ok
3	VV1210WBL01	VBLK239	VV039518.D	10 Dec 2025 09:36		SY/MD	Ok
4	Q3787-22	OW-03B-51.5-120425-S	VV039519.D	10 Dec 2025 10:19	pH#1.0 A	SY/MD	Ok
5	Q3788-08	OW-01B-66.5-120525-S	VV039520.D	10 Dec 2025 10:40	pH#1.0 A	SY/MD	Ok
6	Q3788-10	BR-05-465-120525-SIM	VV039521.D	10 Dec 2025 11:02	pH#1.0 A ,Surrogate Fail	SY/MD	ReRun
7	Q3788-12	MW-16B-87.5-120525-S	VV039522.D	10 Dec 2025 11:23	pH#1.0 A ,Internal Standard Fail	SY/MD	Ok,M
8	VIBLK235	VIBLK235	VV039523.D	10 Dec 2025 11:58		SY/MD	Ok
9	Q3788-14	VHBLK001	VV039524.D	10 Dec 2025 12:35	SB;Need to run sample	SY/MD	Not Ok
10	Q3813-02	BR-04DR-451-120825-S	VV039525.D	10 Dec 2025 13:01	pH#1.0 A	SY/MD	Ok,M
11	Q3813-03	EB01-120825	VV039526.D	10 Dec 2025 13:29	pH#1.0 A ,EB	SY/MD	Ok,M
12	Q3813-04	TB01-120825	VV039527.D	10 Dec 2025 13:51	pH#1.0 A ,TB	SY/MD	Ok,M
13	Q3788-10RE	BR-05-465-120525-SIM	VV039528.D	10 Dec 2025 14:12	pH#1.0 B, Surrogate Fail	SY/MD	Confirms
14	VIBLK236	VIBLK236	VV039529.D	10 Dec 2025 14:33		SY/MD	Ok,M
15	Q3813-05	VHBLK001	VV039530.D	10 Dec 2025 14:54	pH#1.0 A ,SB	SY/MD	Ok,M
16	Q3788-14	VHBLK001	VV039531.D	10 Dec 2025 15:16	pH#1.0 A ,SB	SY/MD	Ok,M
17	VSTDCCC0.5EC	VSTD0.5342	VV039532.D	10 Dec 2025 15:47		SY/MD	Ok

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3788	OrderDate:	12/5/2025 7:44:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3788-01	OWBR-05-135-12052 5	Water	VOCMS Group3	8260-Low	12/05/25		12/09/25	12/05/25
Q3788-04	OWBR-05-135-12052 5-SIM	Water	VOC-SIM	SFAM_VOCSI M	12/05/25		12/08/25	12/05/25
Q3788-07	OW-01B-66.5-120525	Water	VOCMS Group3	8260-Low	12/05/25		12/10/25	12/05/25
Q3788-08	OW-01B-66.5-120525 -SIM	Water	VOC-SIM	SFAM_VOCSI M	12/05/25		12/10/25	12/05/25
Q3788-09	TA-BR-05-465-12052 5	Water	VOCMS Group3	8260-Low	12/05/25		12/08/25	12/05/25
Q3788-09RE	TA-BR-05-465-12052 5RE	Water	VOCMS Group3	8260-Low	12/05/25		12/10/25	12/05/25
Q3788-10	BR-05-465-120525-SI M	Water	VOC-SIM	SFAM_VOCSI M	12/05/25		12/10/25	12/05/25
Q3788-10RE	BR-05-465-120525-SI MRE	Water	VOC-SIM	SFAM_VOCSI M	12/05/25		12/10/25	12/05/25

LAB CHRONICLE

Q3788-11	MW-16B-87.5-120525	Water			12/05/25		12/05/25
			VOCMS Group3	8260-Low		12/08/25	
Q3788-11RE	MW-16B-87.5-120525 RE	Water			12/05/25		12/05/25
			VOCMS Group3	8260-Low		12/10/25	
Q3788-12	MW-16B-87.5-120525 -SIM	Water			12/05/25		12/05/25
			VOC-SIM	SFAM_VOCSI M		12/10/25	
Q3788-13	TB01-120525	Water			12/05/25		12/05/25
			VOCMS Group3	8260-Low		12/08/25	
			VOC-SIM	SFAM_VOCSI M		12/08/25	
Q3788-14	VHBLK001	Water			12/05/25		12/05/25
			VOC-SIM	SFAM_VOCSI M		12/10/25	

Hit Summary Sheet SW-846

SDG No.: Q3788

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : OWBR-05-135-120525							
Q3788-01	OWBR-05-135-120525	WATER	1,4-Dioxane	34.300	E 0.08	0.23	ug/L
			Total Svoc :	34.30			
			Total Concentration:	34.30			
Client ID : OWBR-05-135-120525DL							
Q3788-01DL	OWBR-05-135-120525D	WATER	1,4-Dioxane	33.700	D 0.76	2.3	ug/L
			Total Svoc :	33.70			
			Total Concentration:	33.70			
Client ID : OW-01B-66.5-120525							
Q3788-07	OW-01B-66.5-120525	WATER	1,4-Dioxane	0.080	J 0.07	0.22	ug/L
			Total Svoc :	0.08			
			Total Concentration:	0.08			
Client ID : BR-05-465-120525							
Q3788-09	BR-05-465-120525	WATER	1,4-Dioxane	0.360	0.07	0.2	ug/L
			Total Svoc :	0.36			
			Total Concentration:	0.36			



SAMPLE DATA

A

B

C

D

E

F

G

H

I

J

K

Report of Analysis

Client: JACOBS Engineering Group, Inc.	Date Collected: 12/05/25	
Project: Former Schlumberger STC PTC Site D3868221	Date Received: 12/05/25	
Client Sample ID: OWBR-05-135-120525	SDG No.: Q3788	
Lab Sample ID: Q3788-01	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: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	34.3	E	1	0.080	0.23	ug/L	12/12/25 02:25	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.30			30 (47) - 150 (106)	75%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	91%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.32			30 (56) - 130 (116)	81%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.30			30 (50) - 130 (126)	76%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.42			30 (54) - 130 (175)	104%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5200							
1146-65-2	Naphthalene-d8	14000							
15067-26-2	Acenaphthene-d10	7500							
1517-22-2	Phenanthrene-d10	14300							
1719-03-5	Chrysene-d12	11000							
1520-96-3	Perylene-d12	10900							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.	Date Collected: 12/05/25	
Project: Former Schlumberger STC PTC Site D3868221	Date Received: 12/05/25	
Client Sample ID: OWBR-05-135-120525DL	SDG No.: Q3788	
Lab Sample ID: Q3788-01DL	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: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	33.7	D	10	0.76	2.30	ug/L	12/12/25 10:36	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.28			30 (47) - 150 (106)	70%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	90%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.32			30 (56) - 130 (116)	80%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.30			30 (50) - 130 (126)	75%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.41			30 (54) - 130 (175)	102%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5910							
1146-65-2	Naphthalene-d8	15800							
15067-26-2	Acenaphthene-d10	8480							
1517-22-2	Phenanthrene-d10	16300							
1719-03-5	Chrysene-d12	12700							
1520-96-3	Perylene-d12	12600							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.	Date Collected: 12/05/25	
Project: Former Schlumberger STC PTC Site D3868221	Date Received: 12/05/25	
Client Sample ID: OW-01B-66.5-120525	SDG No.: Q3788	
Lab Sample ID: Q3788-07	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: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.080	J	1	0.070	0.22	ug/L	12/11/25 19:40	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.27			30 (47) - 150 (106)	67%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.38			30 (54) - 150 (157)	95%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.33			30 (56) - 130 (116)	83%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.27			30 (50) - 130 (126)	68%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.40			30 (54) - 130 (175)	100%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5780							
1146-65-2	Naphthalene-d8	16000							
15067-26-2	Acenaphthene-d10	8660							
1517-22-2	Phenanthrene-d10	16800							
1719-03-5	Chrysene-d12	13700							
1520-96-3	Perylene-d12	13600							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.	Date Collected: 12/05/25	
Project: Former Schlumberger STC PTC Site D3868221	Date Received: 12/05/25	
Client Sample ID: BR-05-465-120525	SDG No.: Q3788	
Lab Sample ID: Q3788-09	Matrix: Water	
Analytical Method: SW8270ESIM Level: LOW	% Solid: 0	
Sample Wt/Vol: 980 mL Final Vol: 1000 uL	Test: SVOC-SIMGroup1	
Prep Method : 3510C Prep Date: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.36		1	0.070	0.20	ug/L	12/12/25 06:02	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.27			30 (47) - 150 (106)	68%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	89%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.27			30 (56) - 130 (116)	67%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.31			30 (50) - 130 (126)	76%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.39			30 (54) - 130 (175)	97%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5730							
1146-65-2	Naphthalene-d8	15600							
15067-26-2	Acenaphthene-d10	7930							
1517-22-2	Phenanthrene-d10	14300							
1719-03-5	Chrysene-d12	11300							
1520-96-3	Perylene-d12	11200							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.	Date Collected: 12/05/25	
Project: Former Schlumberger STC PTC Site D3868221	Date Received: 12/05/25	
Client Sample ID: MW-16B-87.5-120525	SDG No.: Q3788	
Lab Sample ID: Q3788-11	Matrix: Water	
Analytical Method: SW8270ESIM Level: LOW	% Solid: 0	
Sample Wt/Vol: 960 mL Final Vol: 1000 uL	Test: SVOC-SIMGroup1	
Prep Method : 3510C Prep Date: 12/08/25		

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 20:16	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.32			30 (47) - 150 (106)	81%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.40			30 (54) - 150 (157)	100%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.34			30 (56) - 130 (116)	84%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.31			30 (50) - 130 (126)	78%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.41			30 (54) - 130 (175)	102%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5310							
1146-65-2	Naphthalene-d8	14700							
15067-26-2	Acenaphthene-d10	8120							
1517-22-2	Phenanthrene-d10	14800							
1719-03-5	Chrysene-d12	12200							
1520-96-3	Perylene-d12	12500							

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

Surrogate Summary

SW-846

SDG No.: Q3788

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170850BL	PB170850BL	2-Methylnaphthalene-d10	0.4	0.36	90		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.35	88		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.40	100		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.38	94		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.45	113		30 (54)	130 (175)
PB170850BS	PB170850BS	2-Methylnaphthalene-d10	0.4	0.39	96		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.34	84		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.40	99		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.40	100		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.45	112		30 (54)	130 (175)
Q3788-01	OWBR-05-135-120525	2-Methylnaphthalene-d10	0.4	0.30	75		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.36	91		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	81		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.30	76		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.42	104		30 (54)	130 (175)
Q3788-01DL	OWBR-05-135-120525DL	2-Methylnaphthalene-d10	0.4	0.28	70		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.36	90		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	80		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.30	75		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.41	102		30 (54)	130 (175)
Q3788-02MS	OWBR-05-135-120525MS	2-Methylnaphthalene-d10	0.4	0.29	72		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.37	93		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	81		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.32	79		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.40	101		30 (54)	130 (175)
Q3788-03MSD	OWBR-05-135-120525MSD	2-Methylnaphthalene-d10	0.4	0.26	65		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.35	86		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.31	76		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.31	77		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.38	96		30 (54)	130 (175)
Q3788-07	OW-01B-66.5-120525	2-Methylnaphthalene-d10	0.4	0.27	67		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.38	95		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	83		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.27	68		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.40	100		30 (54)	130 (175)
Q3788-09	BR-05-465-120525	2-Methylnaphthalene-d10	0.4	0.27	68		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.36	89		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.27	67		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.31	76		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.39	97		30 (54)	130 (175)
Q3788-11	MW-16B-87.5-120525	2-Methylnaphthalene-d10	0.4	0.32	81		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.40	100		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.34	84		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.31	78		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.41	102		30 (54)	130 (175)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.:	Q3788	Analytical Method:	SW8270-Modified
Client:	JACOBS Engineering Group, Inc.	DataFile:	BN038335.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3788-02MS	Client Sample ID:	OWBR-05-135-120525MS								
1,4-Dioxane	0.41	34.3	31.0	ug/L	-805	*			20 (10)	160 (175)	

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.:	Q3788	Analytical Method:	SW8270-Modified
Client:	JACOBS Engineering Group, Inc.	DataFile:	BN038336.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3788-03MSD	Client Sample ID:	OWBR-05-135-120525MSD								
1,4-Dioxane	0.4	34.3	28.3	ug/L	-1500	*	60	*	20 (10)	160 (175)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3788</u>	Analytical Method:	<u>8270-Modified</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	DataFile:	<u>BN038327.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB170850BS	1,4-Dioxane	0.4	0.30	ug/L	75				20 (65)	160 (116)		

() = LABORATORY INHOUSE LIMIT

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170850BL

Lab Name: <u>Alliance</u>	Contract: <u>JAC005</u>
Lab Code: <u>ACE</u>	SDG NO.: <u>Q3788</u>
Lab File ID: <u>BN038312.D</u>	Lab Sample ID: <u>PB170850BL</u>
Instrument ID: <u>BNA_N</u>	Date Extracted: <u>12/08/2025</u>
Matrix: (soil/water) <u>Water</u>	Date Analyzed: <u>12/11/2025</u>
Level: (low/med) <u>LOW</u>	Time Analyzed: <u>11:49</u>

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170850BS	PB170850BS	BN038327.D	12/11/2025
OW-01B-66.5-120525	Q3788-07	BN038325.D	12/11/2025
OWBR-05-135-120525	Q3788-01	BN038334.D	12/12/2025
OWBR-05-135-120525MS	Q3788-02MS	BN038335.D	12/12/2025
OWBR-05-135-120525MSD	Q3788-03MSD	BN038336.D	12/12/2025
MW-16B-87.5-120525	Q3788-11	BN038326.D	12/11/2025
BR-05-465-120525	Q3788-09	BN038340.D	12/12/2025

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038297.D
Instrument ID: BNA_N

Contract: JAC005
SDG NO.: Q3788
DFTPP Injection Date: 12/10/2025
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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038310.D
Instrument ID: BNA_N

Contract: JAC005
SDG NO.: Q3788
DFTPP Injection Date: 12/11/2025
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
PB170850BL	PB170850BL	BN038312.D	12/11/2025	11:49
OW-01B-66.5-120525	Q3788-07	BN038325.D	12/11/2025	19:40
MW-16B-87.5-120525	Q3788-11	BN038326.D	12/11/2025	20:16
PB170850BS	PB170850BS	BN038327.D	12/11/2025	20:52

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038329.D
Instrument ID: BNA_N

Contract: JAC005
SDG NO.: Q3788
DFTPP Injection Date: 12/11/2025
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
OWBR-05-135-120525	Q3788-01	BN038334.D	12/12/2025	02:25
OWBR-05-135-120525MS	Q3788-02MS	BN038335.D	12/12/2025	03:01
OWBR-05-135-120525MSD	Q3788-03MSD	BN038336.D	12/12/2025	03:37
BR-05-465-120525	Q3788-09	BN038340.D	12/12/2025	06:02

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BN038342.D
Instrument ID: BNA_N

Contract: JAC005
SDG NO.: Q3788
DFTPP Injection Date: 12/12/2025
DFTPP Injection Time: 08:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.3) 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	7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	13
442	Greater than 50% of mass 198	87.1
443	15.0 - 24.0% of mass 442	15.3 (17.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN038343.D	12/12/2025	09:24
OWBR-05-135-120525DL	Q3788-01DL	BN038345.D	12/12/2025	10:36

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3788

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 OW-01B-66.5-120525	5784	7.72	15998	10.52	8662	14.39
02 PB170850BS	6134	7.72	16248	10.52	7966	14.39
03 PB170850BL	6927	7.72	17922	10.53	8615	14.40
04 MW-16B-87.5-120525	5312	7.72	14704	10.52	8122	14.39

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3788

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 OW-01B-66.5-120525	16764	17.15	13742	21.34	13571	23.64
02 PB170850BS	13383	17.15	8501	21.34	8673	23.64
03 PB170850BL	14660	17.15	9357	21.35	9320	23.64
04 MW-16B-87.5-120525	14757	17.15	12246	21.34	12457	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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3788

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 OWBR-05-135-120525	5197	7.72	13973	10.53	7503	14.40
02 OWBR-05-135-120525MS	5363	7.72	14242	10.52	7200	14.39
03 OWBR-05-135-120525MSD	5563	7.72	14775	10.52	7579	14.39
04 BR-05-465-120525	5725	7.72	15596	10.52	7934	14.39

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3788

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 OWBR-05-135-120525	14344	17.15	10965	21.34	10923	23.63
02 OWBR-05-135-120525MS	12520	17.15	10004	21.34	10310	23.63
03 OWBR-05-135-120525MSD	13283	17.15	10457	21.34	10825	23.63
04 BR-05-465-120525	14347	17.15	11335	21.34	11188	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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3788

Client ID : SSTDCCC0.4

Date Analyzed: 12/12/2025

Lab File ID: BN038343.D

Time Analyzed: 09:24

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	5196	7.724	14288	10.52	7596	14.39
UPPER LIMIT	10392	8.224	28576	11.019	15192	14.887
LOWER LIMIT	2598	7.224	7144	10.019	3798	13.887
EPA SAMPLE NO.						
01 OWBR-05-135-120525DL	5910	7.72	15826	10.52	8475	14.39

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3788

Client ID: SSTDCCC0.4

Date Analyzed: 12/12/2025

Lab File ID: BN038343.D

Time Analyzed: 09:24

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	14177	17.148	11670	21.339	12444	23.633
UPPER LIMIT	28354	17.648	23340	21.839	24888	24.133
LOWER LIMIT	7088.5	16.648	5835	20.839	6222	23.133
EPA SAMPLE NO.						
01 OWBR-05-135-120525DL	16300	17.15	12712	21.34	12609	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

Report of Analysis

Client: JACOBS Engineering Group, Inc.	Date Collected:	
Project: Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID: PB170850BL	SDG No.:	Q3788
Lab Sample ID: PB170850BL	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: 12/08/25		

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	12/11/25 11:49	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.36			30 (47) - 150 (106)	90%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 (54) - 150 (157)	88%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.40			30 (56) - 130 (116)	100%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.38			30 (50) - 130 (126)	94%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.45			30 (54) - 130 (175)	113%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	6930							
1146-65-2	Naphthalene-d8	17900							
15067-26-2	Acenaphthene-d10	8620							
1517-22-2	Phenanthrene-d10	14700							
1719-03-5	Chrysene-d12	9360							
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

Report of Analysis

Client: JACOBS Engineering Group, Inc.	Date Collected:	
Project: Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID: PB170850BS	SDG No.:	Q3788
Lab Sample ID: PB170850BS	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: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	0.30		1	0.070	0.20	ug/L	12/11/25 20:52	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.39			30 (47) - 150 (106)	96%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.34			30 (54) - 150 (157)	84%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.40			30 (56) - 130 (116)	99%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.40			30 (50) - 130 (126)	100%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.45			30 (54) - 130 (175)	112%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	6130							
1146-65-2	Naphthalene-d8	16200							
15067-26-2	Acenaphthene-d10	7970							
1517-22-2	Phenanthrene-d10	13400							
1719-03-5	Chrysene-d12	8500							
1520-96-3	Perylene-d12	8670							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.	Date Collected: 12/05/25	
Project: Former Schlumberger STC PTC Site D3868221	Date Received: 12/05/25	
Client Sample ID: OWBR-05-135-120525MS	SDG No.: Q3788	
Lab Sample ID: Q3788-02MS	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: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	31.0	E	1	0.070	0.21	ug/L	12/12/25 03:01	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.29			30 (47) - 150 (106)	72%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.37			30 (54) - 150 (157)	93%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.33			30 (56) - 130 (116)	81%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.32			30 (50) - 130 (126)	79%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.40			30 (54) - 130 (175)	101%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5360							
1146-65-2	Naphthalene-d8	14200							
15067-26-2	Acenaphthene-d10	7200							
1517-22-2	Phenanthrene-d10	12500							
1719-03-5	Chrysene-d12	10000							
1520-96-3	Perylene-d12	10300							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.	Date Collected: 12/05/25	
Project: Former Schlumberger STC PTC Site D3868221	Date Received: 12/05/25	
Client Sample ID: OWBR-05-135-120525MSD	SDG No.: Q3788	
Lab Sample ID: Q3788-03MSD	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: 12/08/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
123-91-1	1,4-Dioxane	28.3	E	1	0.070	0.20	ug/L	12/12/25 03:37	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.26			30 (47) - 150 (106)	65%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 (54) - 150 (157)	86%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.31			30 (56) - 130 (116)	76%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.31			30 (50) - 130 (126)	77%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.38			30 (54) - 130 (175)	96%	SPK: 0.4		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	5560							
1146-65-2	Naphthalene-d8	14800							
15067-26-2	Acenaphthene-d10	7580							
1517-22-2	Phenanthrene-d10	13300							
1719-03-5	Chrysene-d12	10500							
1520-96-3	Perylene-d12	10800							

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

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) SURR2	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	0.121	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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JAC005
 Lab Code: ACE SDG No.: Q3788
 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.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JAC005
 Lab Code: ACE SDG No.: Q3788
 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.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JAC005
 Lab Code: ACE SDG No.: Q3788
 Instrument ID: BNA_N Calibration Date/Time: 12/12/2025 09:24
 Lab File ID: BN038343.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	1.007		1.7	20.0
2-Fluorophenol	0.996	0.966		-3.0	20.0
Phenol-d6	1.184	1.162		-1.9	20.0
Nitrobenzene-d5	0.337	0.317		-5.9	20.0
2-Fluorobiphenyl	1.914	1.930		0.8	20.0
2,4,6-Tribromophenol	0.177	0.159		-10.2	20.0
Terphenyl-d14	0.893	0.853		-4.5	20.0
1,4-Dioxane	0.459	0.488		6.3	20.0

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

A

B

C

D

E

F

G

H

I

J

K

7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038334.D
Acq On : 12 Dec 2025 02:25
Operator : RC/JU
Sample : Q3788-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

Quant Time: Dec 12 04:17:38 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

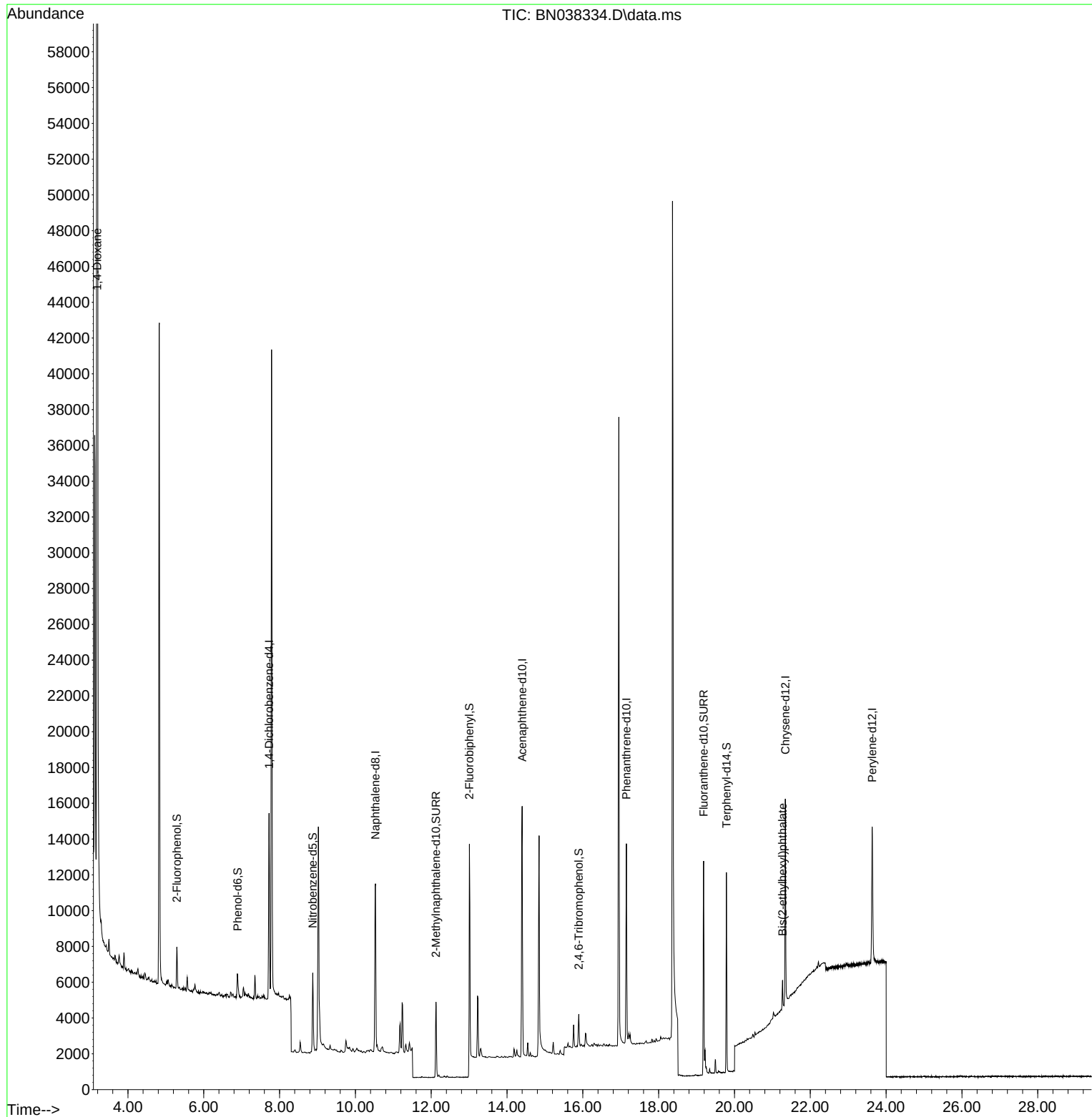
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5197	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	13973	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	7503	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	14344	0.400	ng	0.00
29) Chrysene-d12	21.339	240	10965	0.400	ng	0.00
35) Perylene-d12	23.633	264	10923	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1875	0.145	ng	0.00
5) Phenol-d6	6.894	99	1342	0.087	ng	0.00
8) Nitrobenzene-d5	8.875	82	3801	0.322	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	5874	0.298	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1093	0.328	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	10958	0.303	ng	0.00
27) Fluoranthene-d10	19.187	212	12918	0.364	ng	0.00
31) Terphenyl-d14	19.787	244	10198	0.417	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.189	88	177803	29.838	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	1697	0.073	ng	# 97

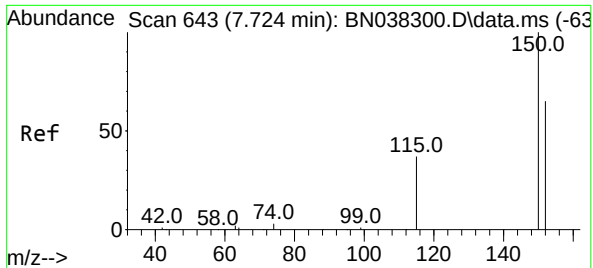
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038334.D
Acq On : 12 Dec 2025 02:25
Operator : RC/JU
Sample : Q3788-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

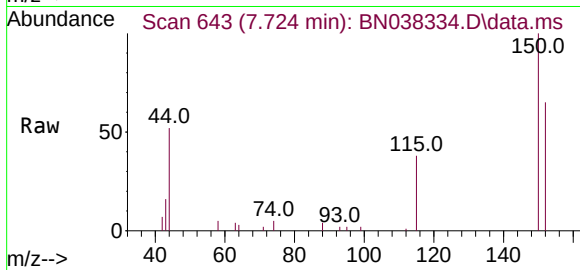
Quant Time: Dec 12 04:17:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



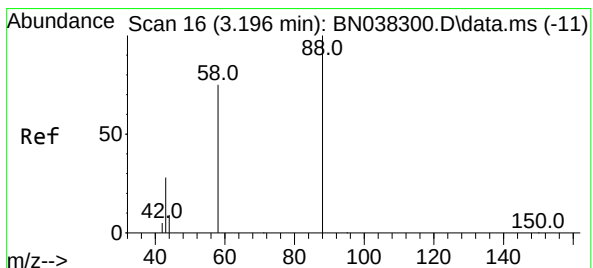
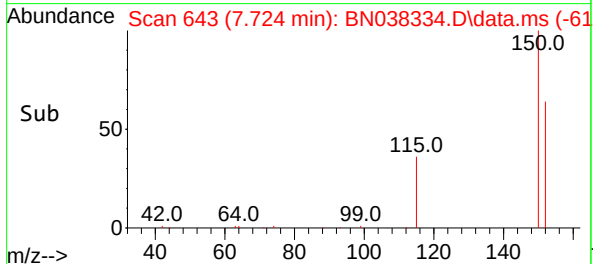
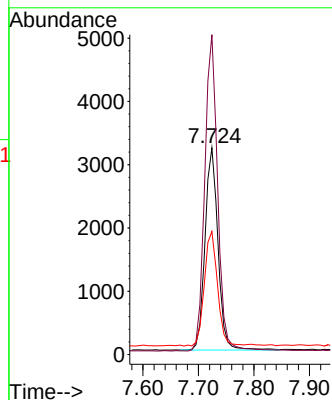


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

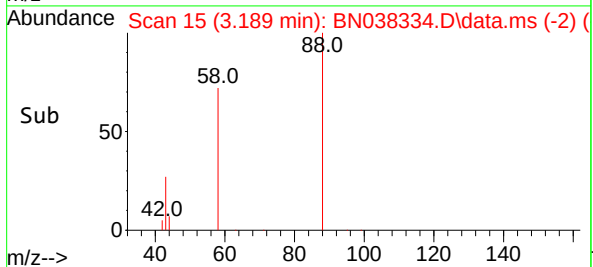
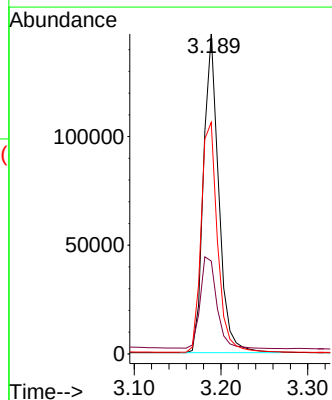
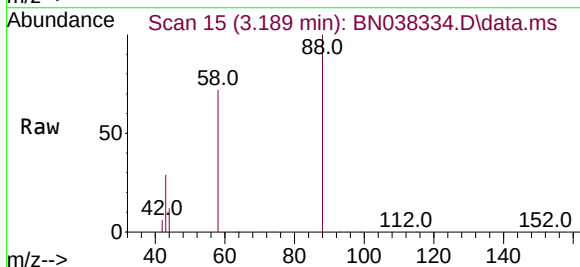


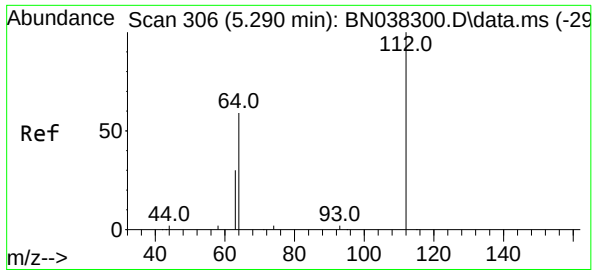
Tgt Ion: 152 Resp: 5197
Ion Ratio Lower Upper
152 100
150 154.7 122.4 183.6
115 59.5 47.3 70.9



#2
1,4-Dioxane
Concen: 29.838 ng
RT: 3.189 min Scan# 15
Delta R.T. -0.007 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Tgt Ion: 88 Resp: 177803
Ion Ratio Lower Upper
88 100
43 31.4 24.9 37.3
58 77.6 61.4 92.0

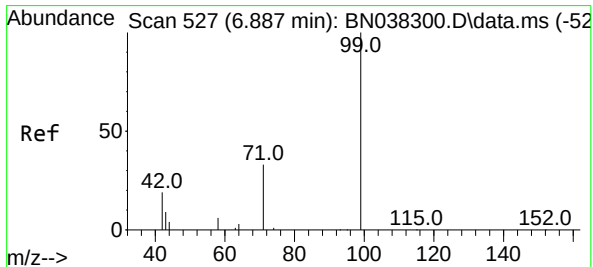
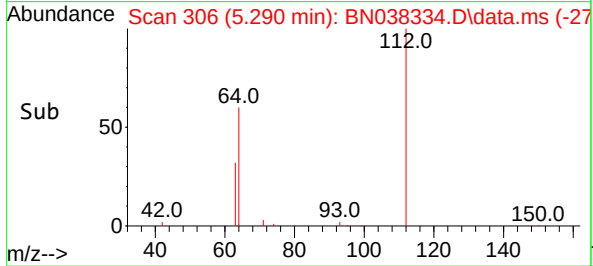
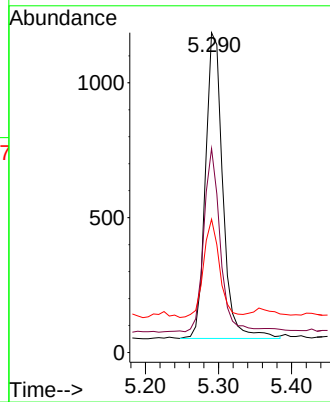
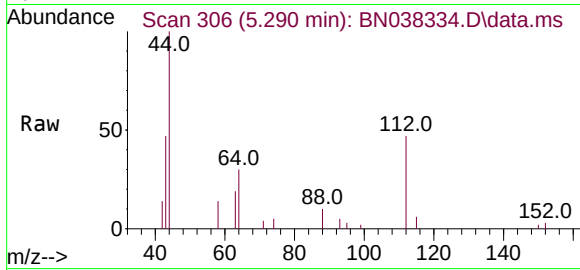




#4
2-Fluorophenol
Concen: 0.145 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

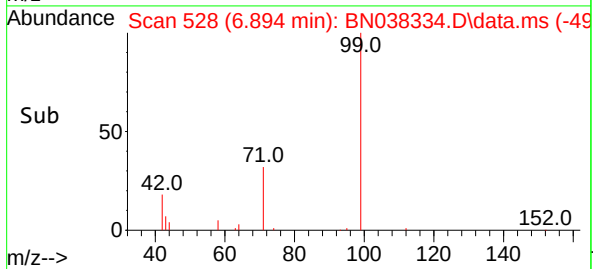
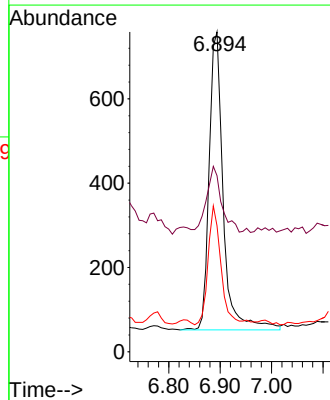
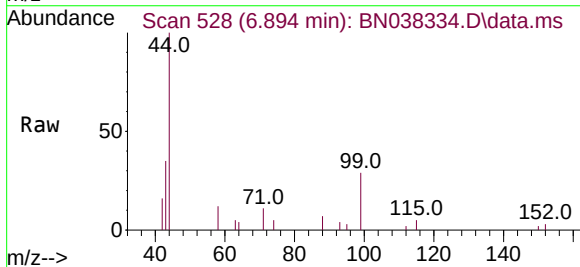
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

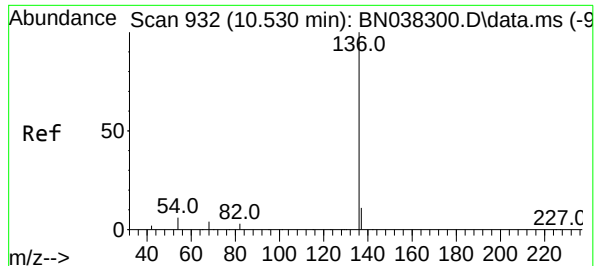
Tgt Ion:	112	Resp:	1875
Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.4	66.6
63	29.8	23.4	35.0



#5
Phenol-d6
Concen: 0.087 ng
RT: 6.894 min Scan# 528
Delta R.T. 0.007 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Tgt Ion:	99	Resp:	1342
Ion	Ratio	Lower	Upper
99	100		
42	22.3	16.5	24.7
71	37.2	24.9	37.3

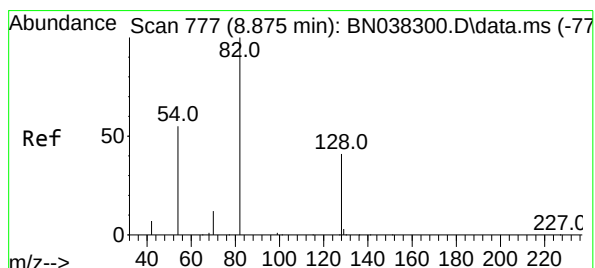
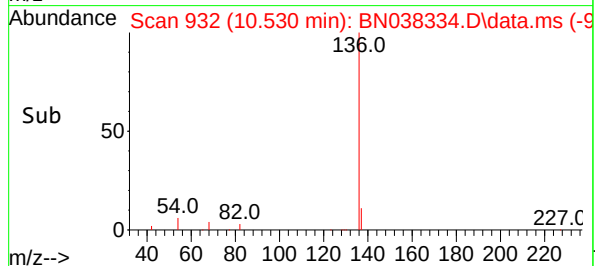
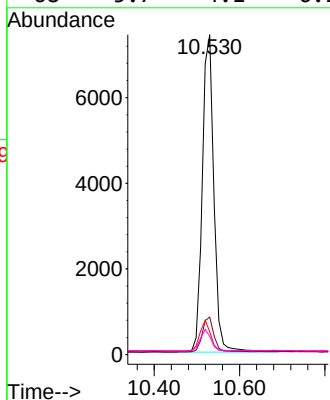
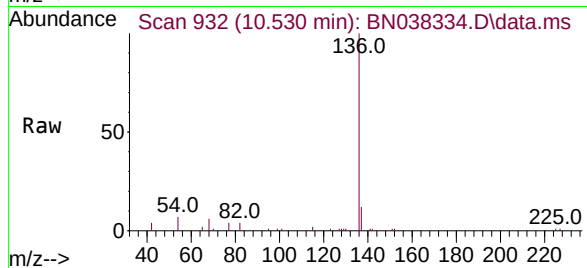




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

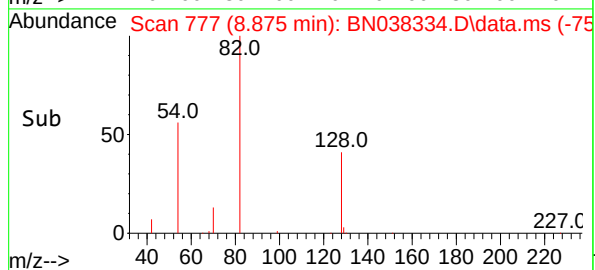
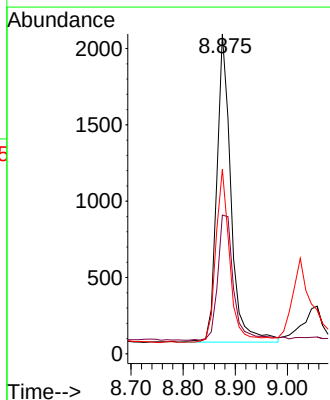
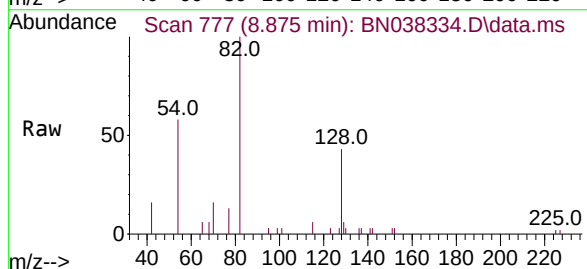
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

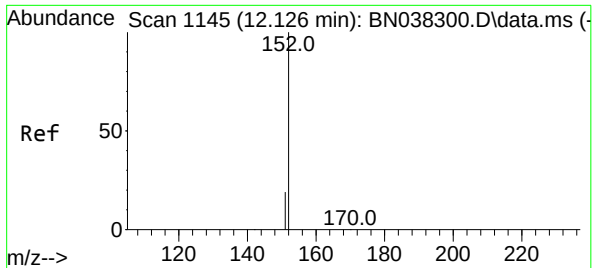
Tgt Ion:	136	Resp:	13973
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	7.1	5.2	7.8
68	5.7	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.322 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Tgt Ion:	82	Resp:	3801
Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.0	51.0
54	57.7	44.4	66.6

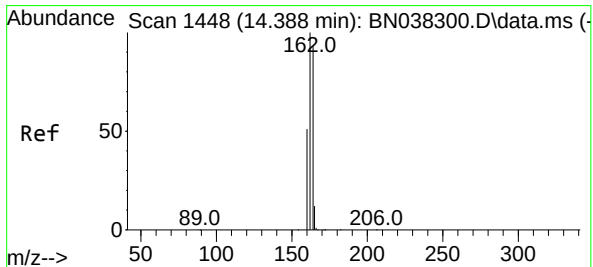
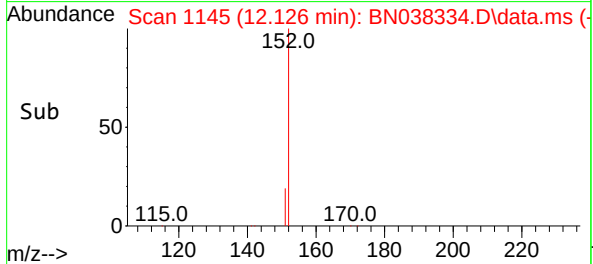
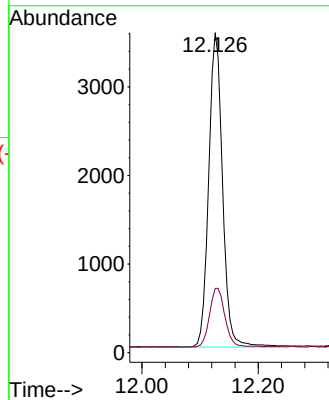
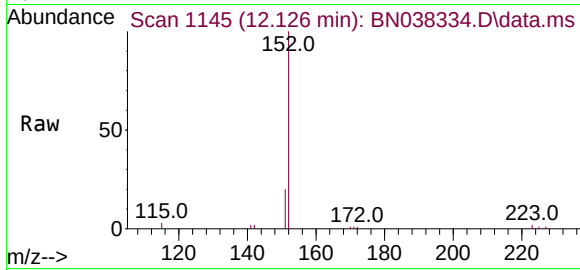




#11
2-Methylnaphthalene-d10
Concen: 0.298 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

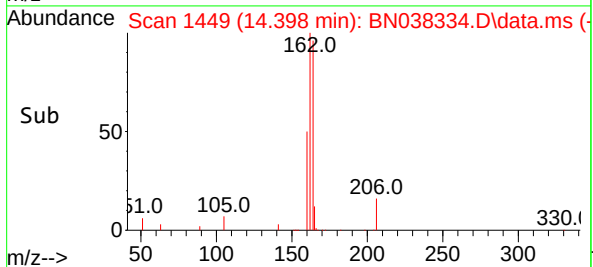
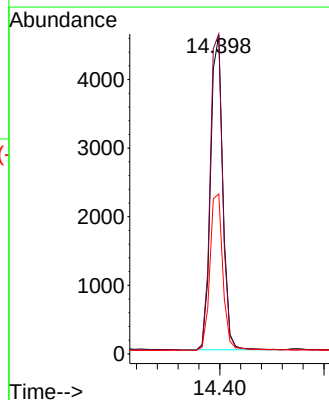
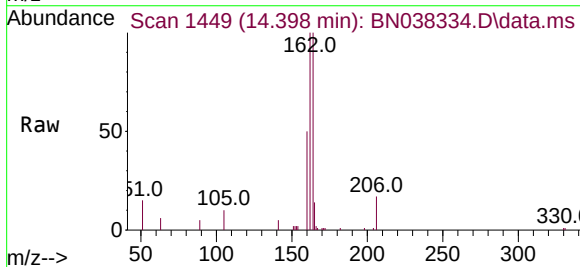
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

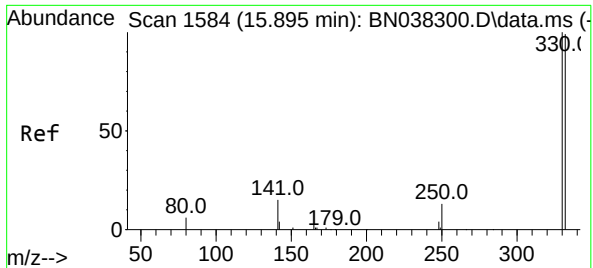
Tgt Ion:152 Resp: 5874
Ion Ratio Lower Upper
152 100
151 21.2 17.0 25.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Tgt Ion:164 Resp: 7503
Ion Ratio Lower Upper
164 100
162 100.5 86.2 129.4
160 50.2 44.6 67.0





#14

2,4,6-Tribromophenol

Concen: 0.328 ng

RT: 15.895 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN038334.D

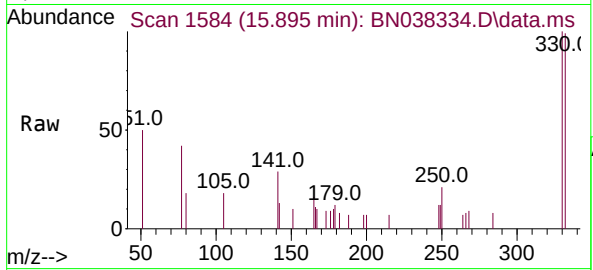
Acq: 12 Dec 2025 02:25

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525



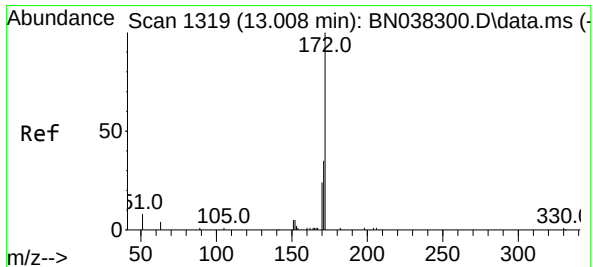
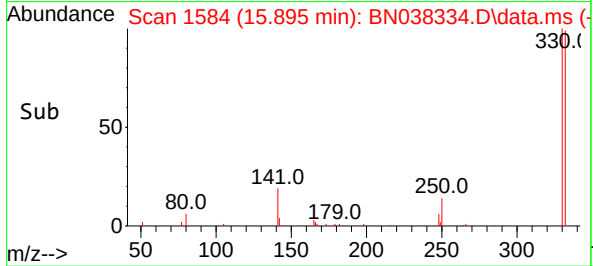
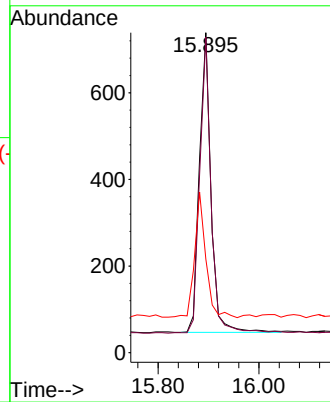
Tgt Ion:330 Resp: 1093

Ion Ratio Lower Upper

330 100

332 97.4 75.8 113.6

141 40.7 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: BN038334.D

Acq: 12 Dec 2025 02:25

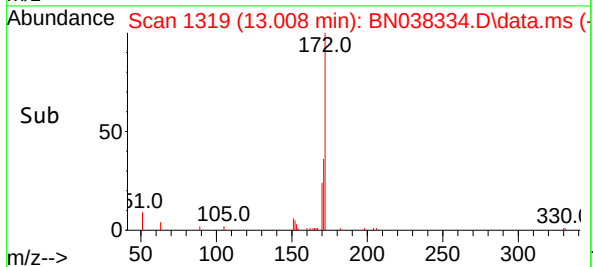
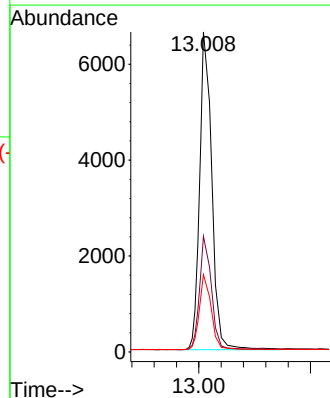
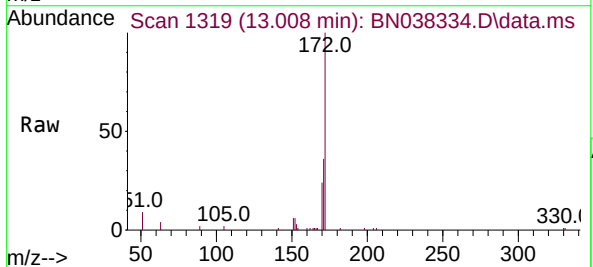
Tgt Ion:172 Resp: 10958

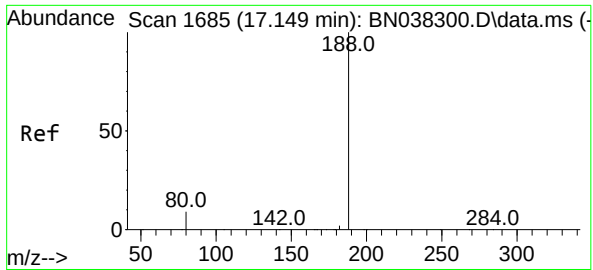
Ion Ratio Lower Upper

172 100

171 36.1 28.6 42.8

170 24.1 19.3 28.9

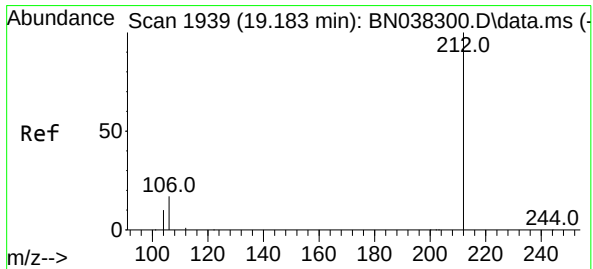
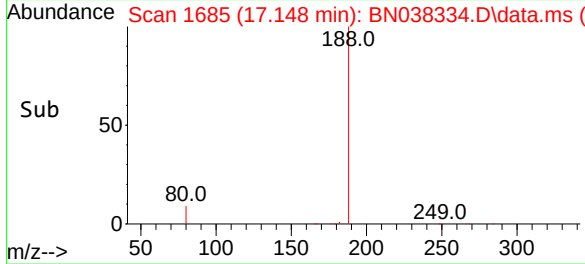
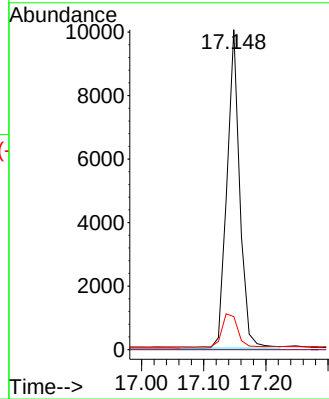
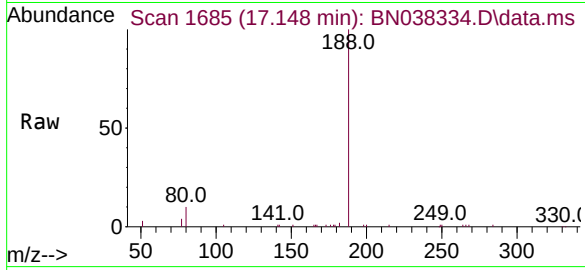




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

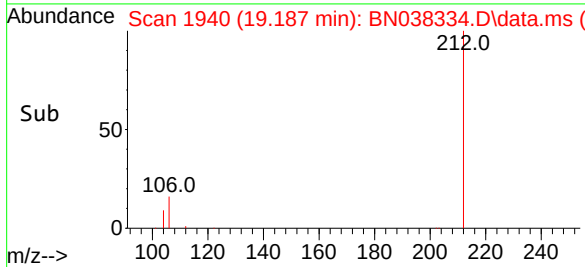
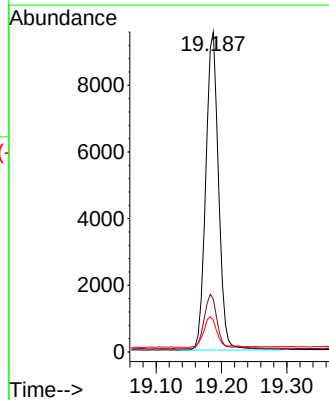
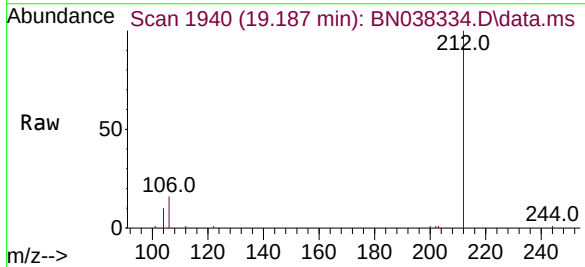
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

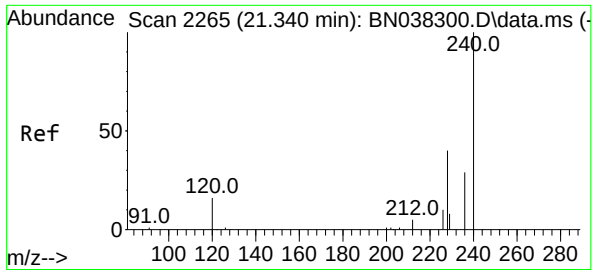
Tgt Ion:	188	Resp:	14344
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.3	7.4	11.0



#27
Fluoranthene-d10
Concen: 0.364 ng
RT: 19.187 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Tgt Ion:	212	Resp:	12918
Ion Ratio	Lower	Upper	
212	100		
106	17.2	13.7	20.5
104	10.2	7.8	11.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.339 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN038334.D

Acq: 12 Dec 2025 02:25

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525

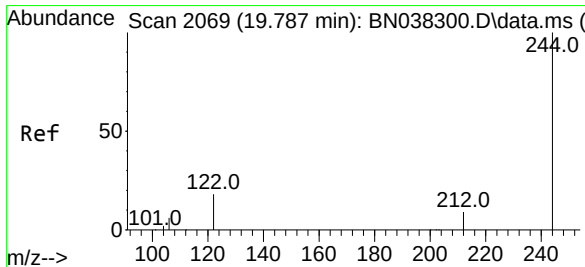
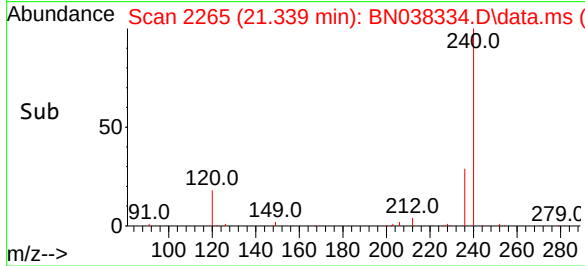
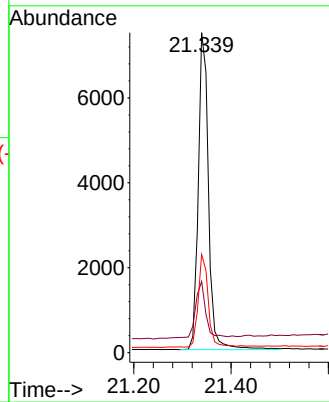
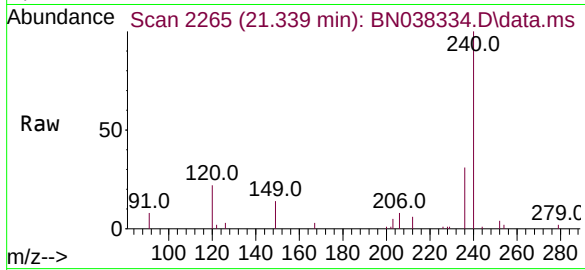
Tgt Ion:240 Resp: 10965

Ion Ratio Lower Upper

240 100

120 22.2 15.4 23.2

236 30.7 23.9 35.9



#31

Terphenyl-d14

Concen: 0.417 ng

RT: 19.787 min Scan# 2069

Delta R.T. -0.005 min

Lab File: BN038334.D

Acq: 12 Dec 2025 02:25

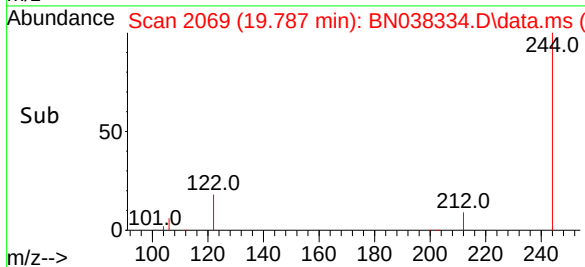
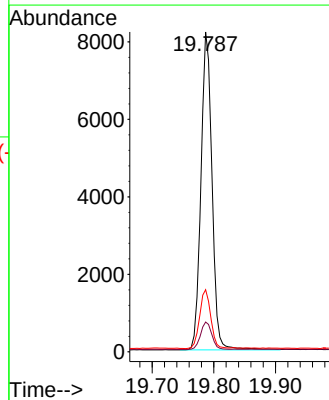
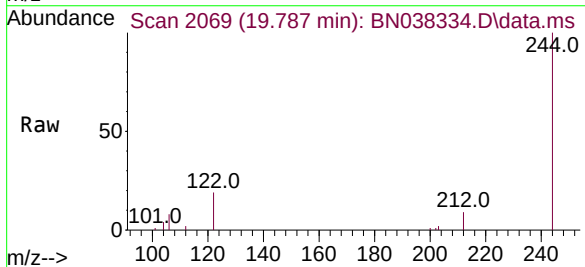
Tgt Ion:244 Resp: 10198

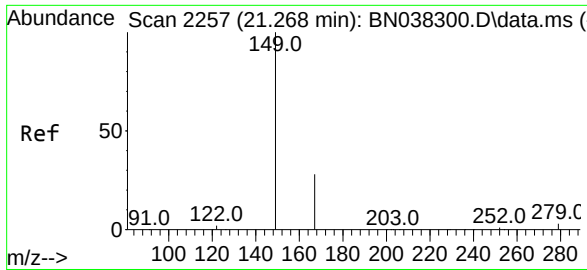
Ion Ratio Lower Upper

244 100

212 9.3 7.9 11.9

122 19.4 15.0 22.6

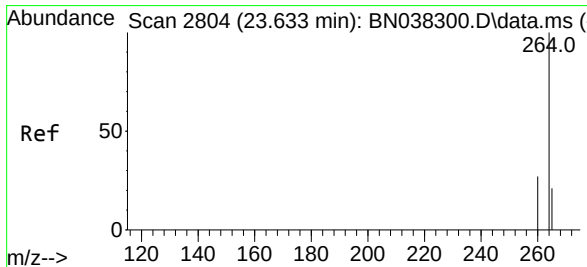
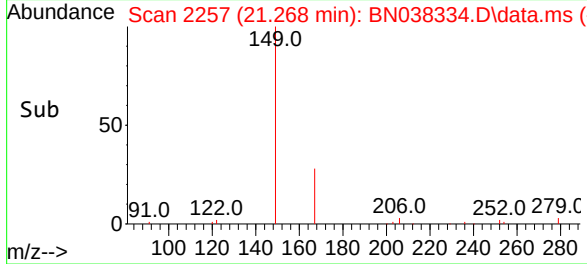
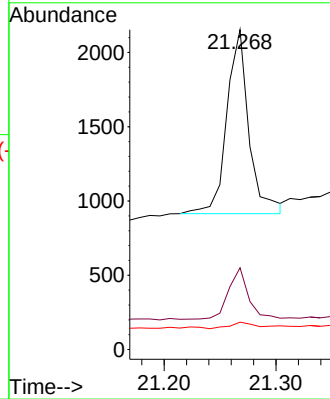
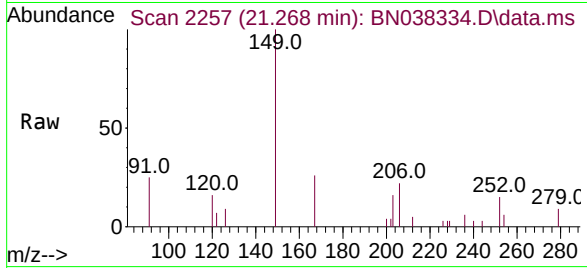




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.073 ng
RT: 21.268 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

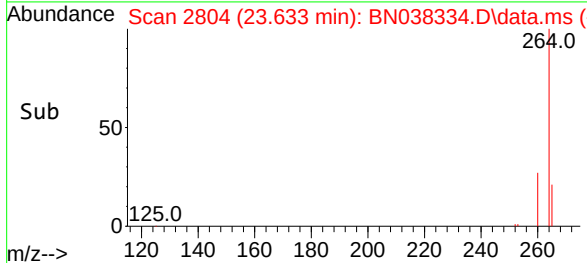
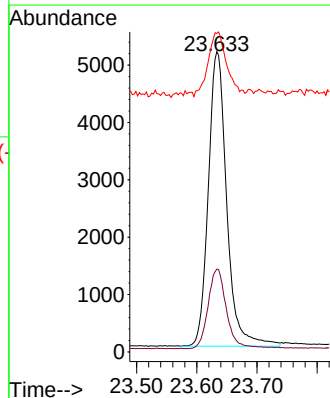
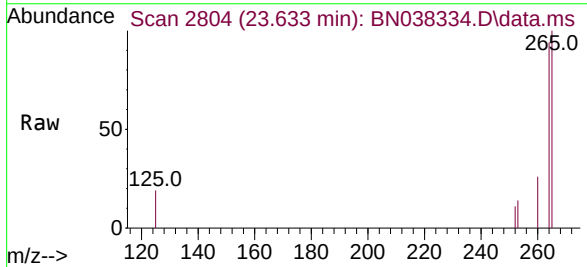
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525

Tgt Ion:149 Resp: 1697
Ion Ratio Lower Upper
149 100
167 25.5 21.4 32.0
279 4.3 2.4 3.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.633 min Scan# 2804
Delta R.T. -0.000 min
Lab File: BN038334.D
Acq: 12 Dec 2025 02:25

Tgt Ion:264 Resp: 10923
Ion Ratio Lower Upper
264 100
260 27.6 22.2 33.2
265 106.1 80.2 120.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038345.D
Acq On : 12 Dec 2025 10:36
Operator : RC/JU
Sample : Q3788-01DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525DL

Quant Time: Dec 12 10:59:55 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

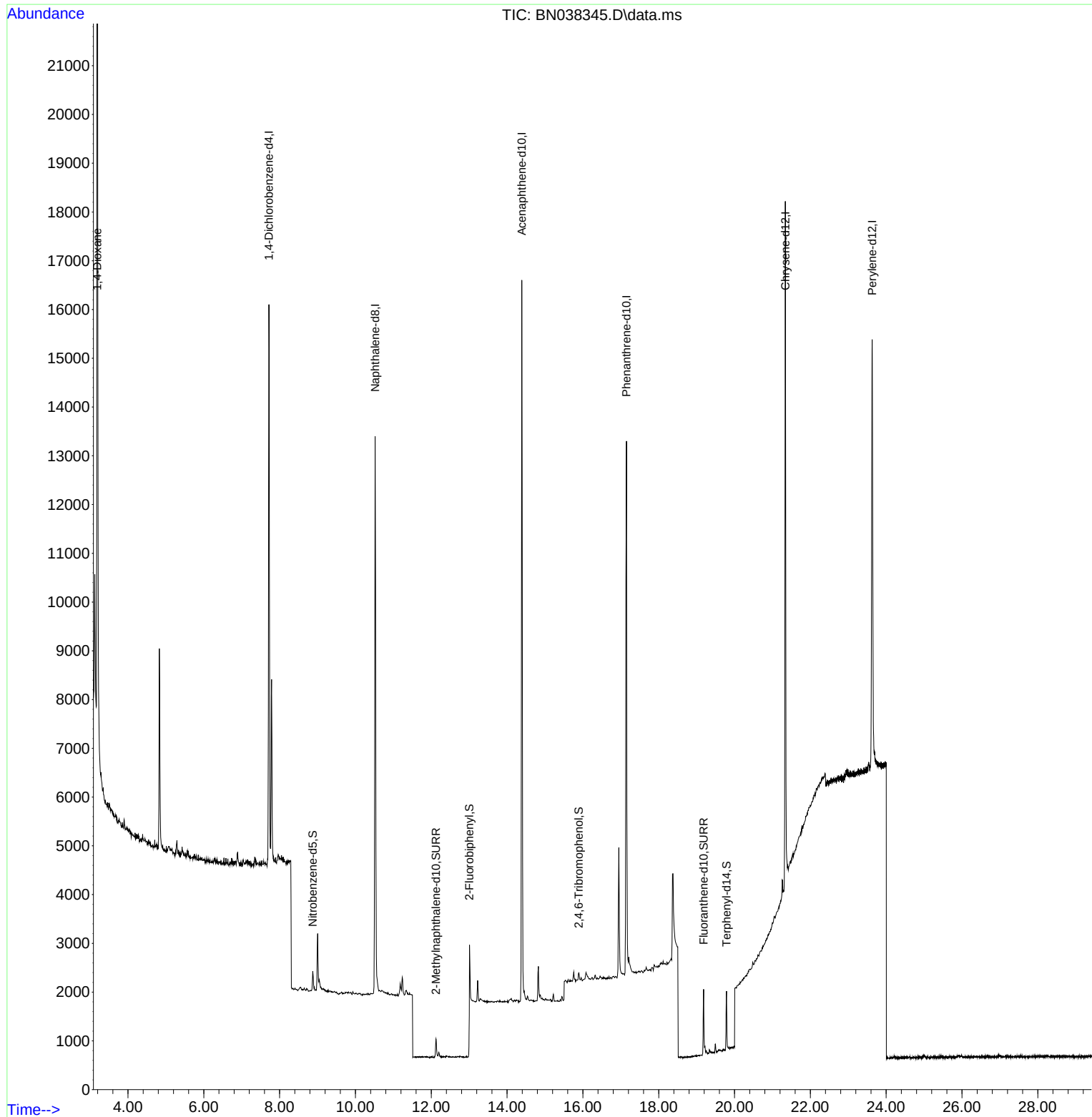
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5910	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	15826	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8475	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	16300	0.400	ng	0.00
29) Chrysene-d12	21.340	240	12712	0.400	ng	0.00
35) Perylene-d12	23.630	264	12609	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	250	0.017	ng	0.00
5) Phenol-d6	6.887	99	174	0.010	ng	0.00
8) Nitrobenzene-d5	8.875	82	426	0.032	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	631	0.028	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	114	0.030	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	1223	0.030	ng	0.00
27) Fluoranthene-d10	19.183	212	1457	0.036	ng	0.00
31) Terphenyl-d14	19.787	244	1163	0.041	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.189	88	19876	2.933	ng	Qvalue 98

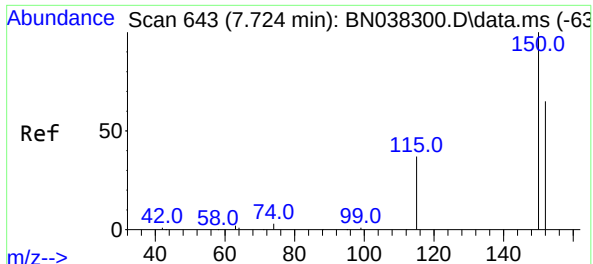
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038345.D
Acq On : 12 Dec 2025 10:36
Operator : RC/JU
Sample : Q3788-01DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525DL

Quant Time: Dec 12 10:59:55 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

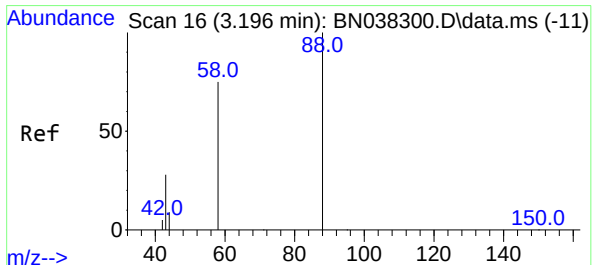
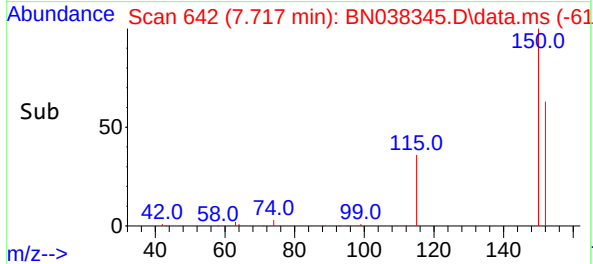
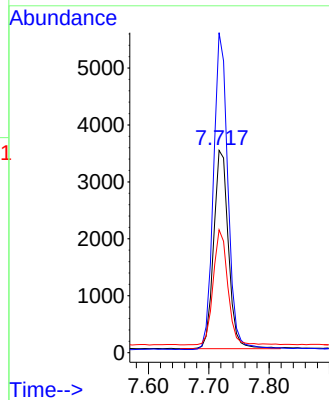
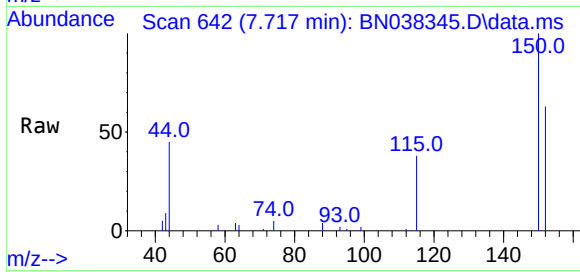




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

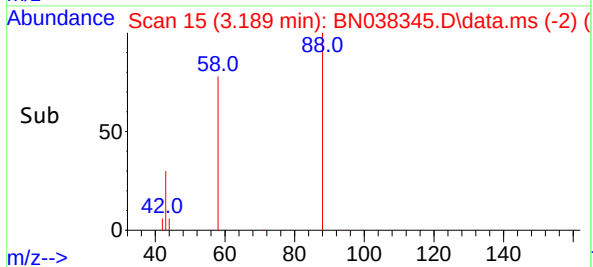
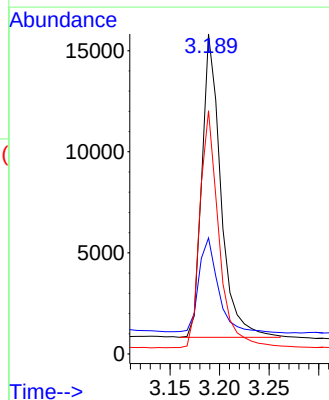
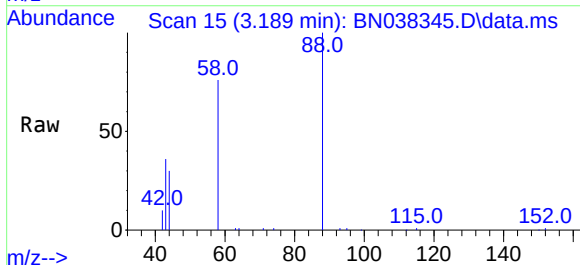
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525DL

Tgt Ion:152 Resp: 5910
Ion Ratio Lower Upper
152 100
150 158.2 122.4 183.6
115 60.7 47.3 70.9

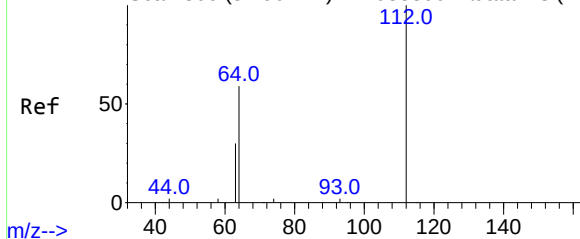


#2
1,4-Dioxane
Concen: 2.933 ng
RT: 3.189 min Scan# 15
Delta R.T. -0.007 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

Tgt Ion: 88 Resp: 19876
Ion Ratio Lower Upper
88 100
43 32.2 24.9 37.3
58 78.6 61.4 92.0



Abundance Scan 306 (5.290 min): BN038300.D\data.ms (-29



#4

2-Fluorophenol

Concen: 0.017 ng

RT: 5.290 min Scan# 306

Delta R.T. 0.000 min

Lab File: BN038345.D

Acq: 12 Dec 2025 10:36

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525DL

Tgt Ion:112 Resp: 250

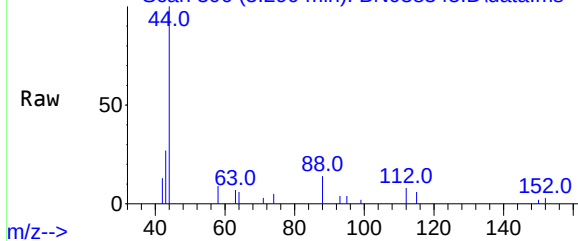
Ion Ratio Lower Upper

112 100

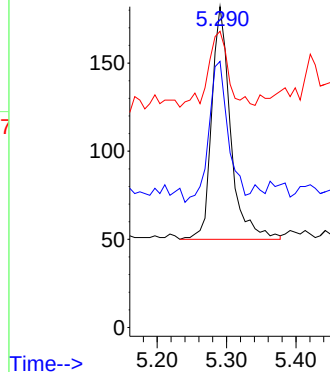
64 62.8 44.4 66.6

63 35.2 23.4 35.0#

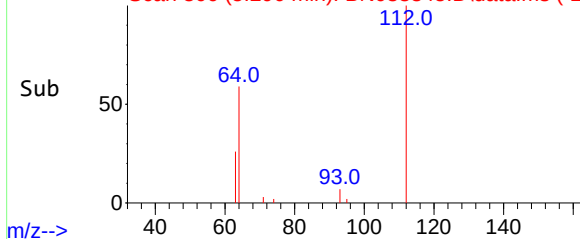
Abundance Scan 306 (5.290 min): BN038345.D\data.ms



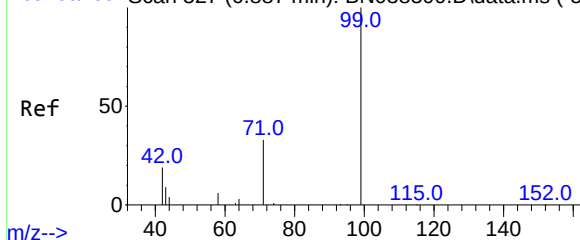
Abundance



Abundance Scan 306 (5.290 min): BN038345.D\data.ms (-27



Abundance Scan 527 (6.887 min): BN038300.D\data.ms (-52



#5

Phenol-d6

Concen: 0.010 ng

RT: 6.887 min Scan# 527

Delta R.T. 0.000 min

Lab File: BN038345.D

Acq: 12 Dec 2025 10:36

Tgt Ion: 99 Resp: 174

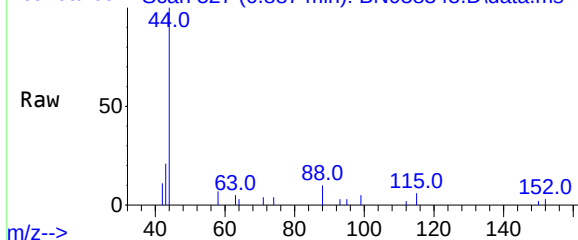
Ion Ratio Lower Upper

99 100

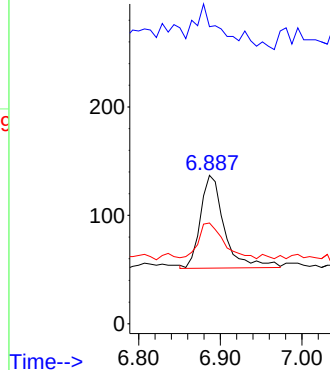
42 28.2 16.5 24.7#

71 40.2 24.9 37.3#

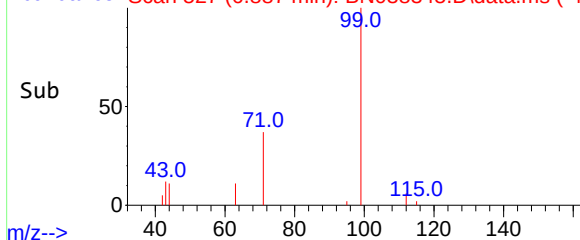
Abundance Scan 527 (6.887 min): BN038345.D\data.ms

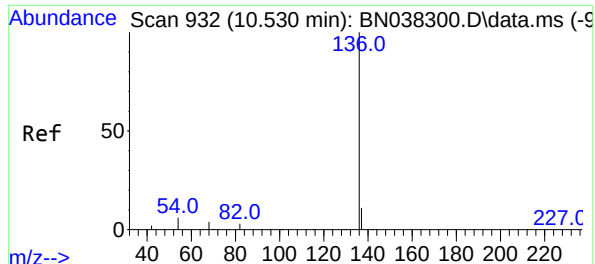


Abundance



Abundance Scan 527 (6.887 min): BN038345.D\data.ms (-49

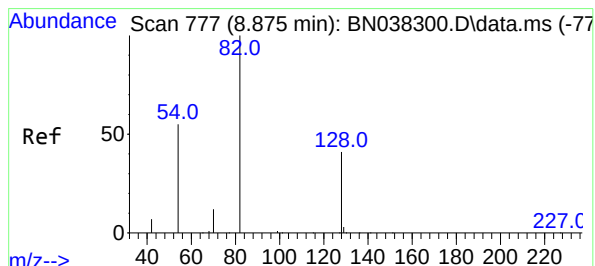
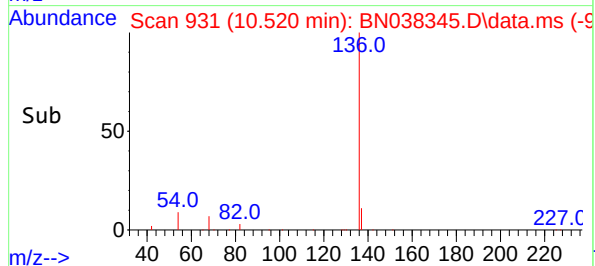
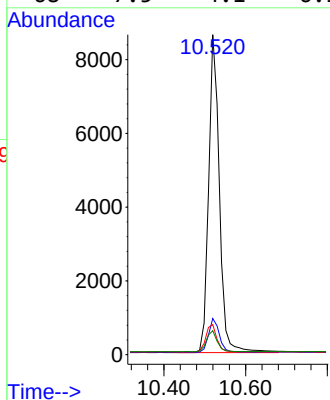
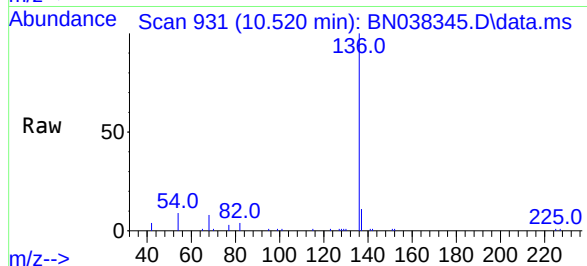




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

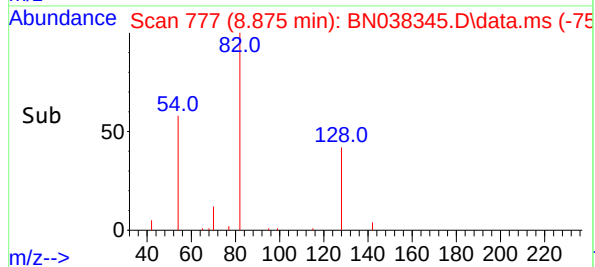
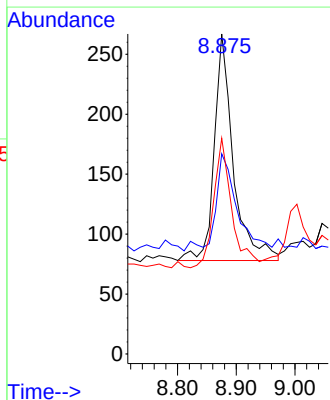
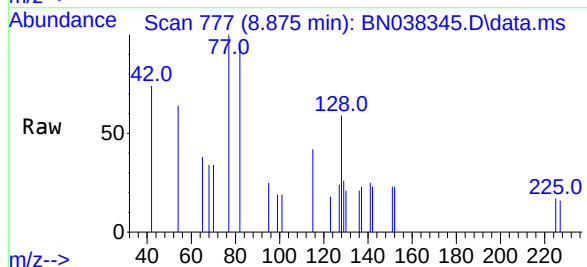
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525DL

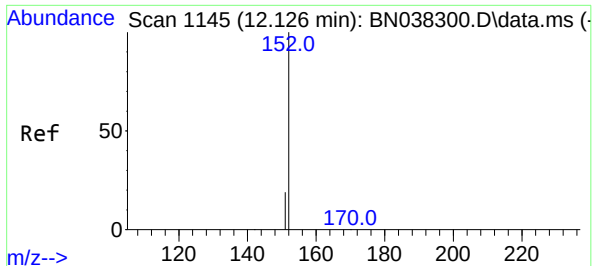
Tgt Ion:136 Resp: 15826
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 9.4 5.2 7.8#
68 7.5 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.032 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

Tgt Ion: 82 Resp: 426
Ion Ratio Lower Upper
82 100
128 62.5 34.0 51.0#
54 67.4 44.4 66.6#

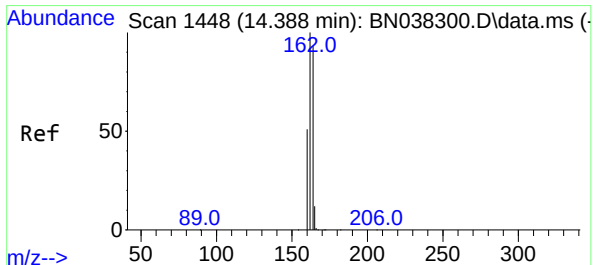
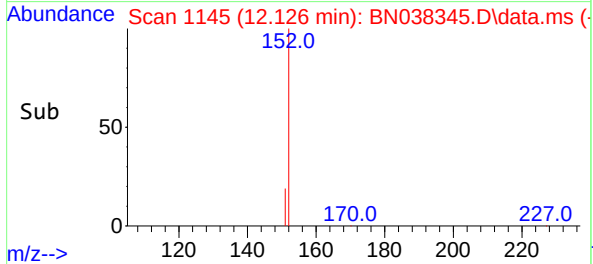
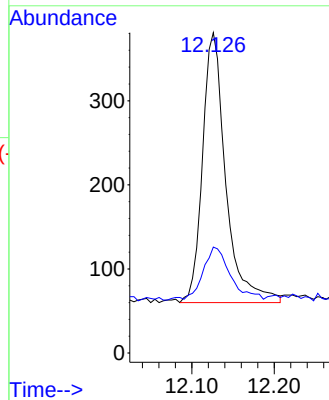
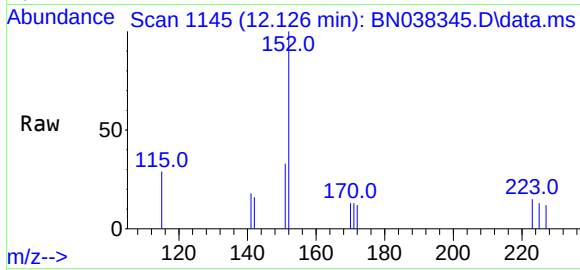




#11
2-Methylnaphthalene-d10
Concen: 0.028 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

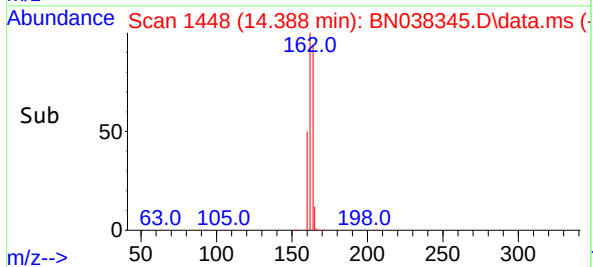
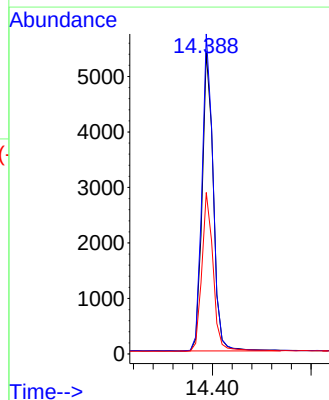
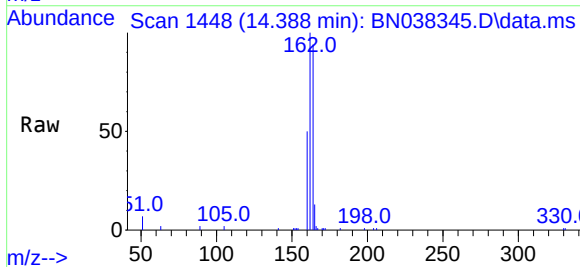
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525DL

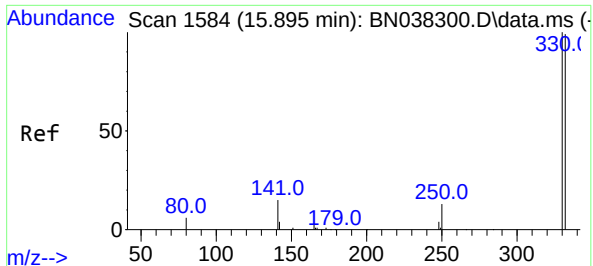
Tgt Ion:152 Resp: 631
Ion Ratio Lower Upper
152 100
151 23.1 17.0 25.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

Tgt Ion:164 Resp: 8475
Ion Ratio Lower Upper
164 100
162 106.1 86.2 129.4
160 53.6 44.6 67.0

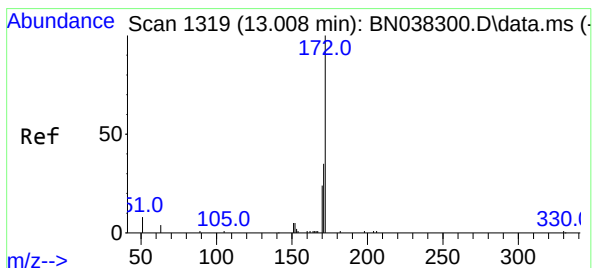
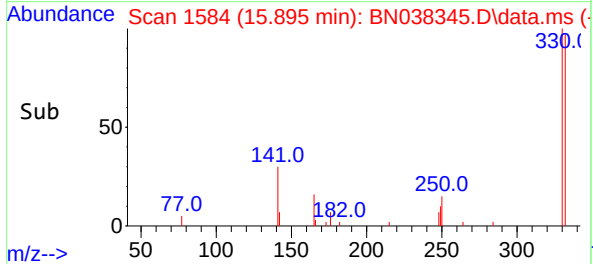
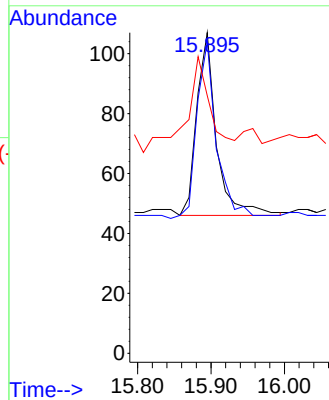
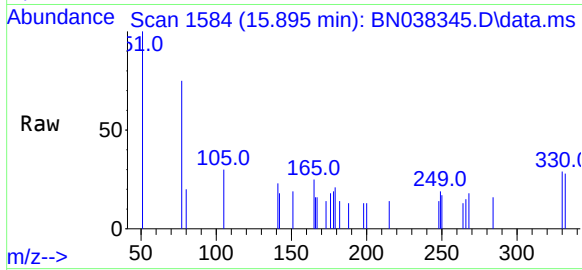




#14
2,4,6-Tribromophenol
Concen: 0.030 ng
RT: 15.895 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

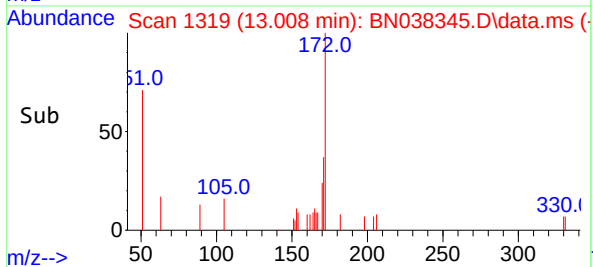
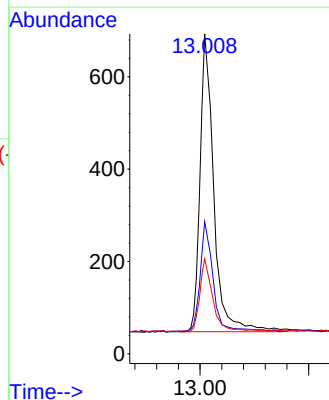
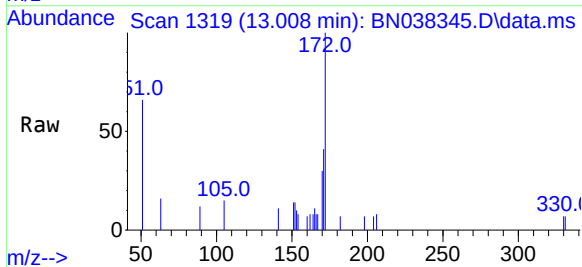
Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525DL

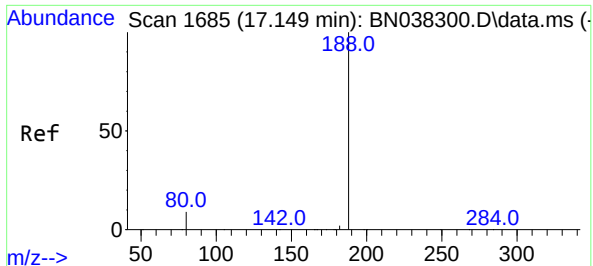
Tgt Ion:	330	Resp:	114
Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.8	113.6
141	65.8	31.8	47.8#



#15
2-Fluorobiphenyl
Concen: 0.030 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038345.D
Acq: 12 Dec 2025 10:36

Tgt Ion:	172	Resp:	1223
Ion	Ratio	Lower	Upper
172	100		
171	41.3	28.6	42.8
170	29.7	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: BN038345.D

Acq: 12 Dec 2025 10:36

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525DL

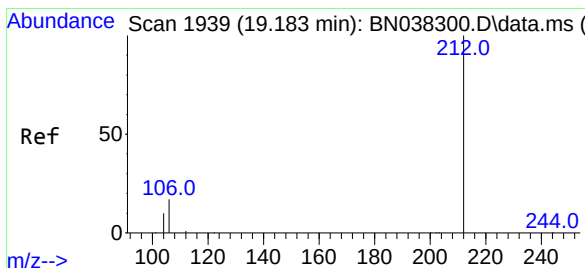
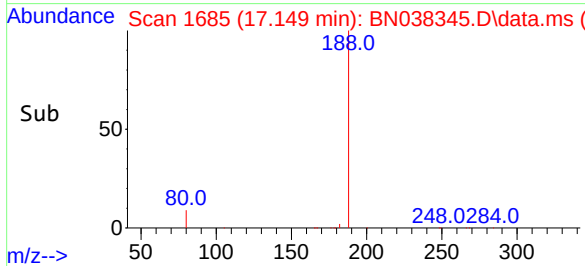
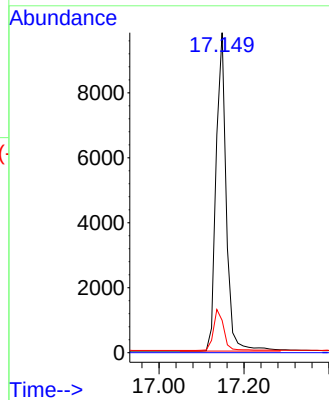
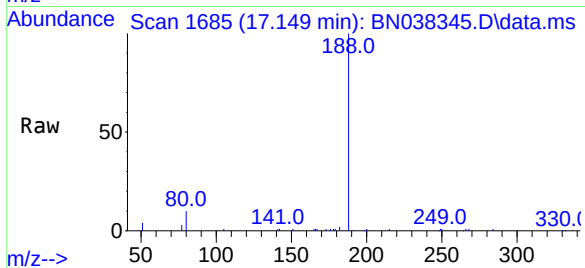
Tgt Ion:188 Resp: 16300

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.1 7.4 11.0



#27

Fluoranthene-d10

Concen: 0.036 ng

RT: 19.183 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BN038345.D

Acq: 12 Dec 2025 10:36

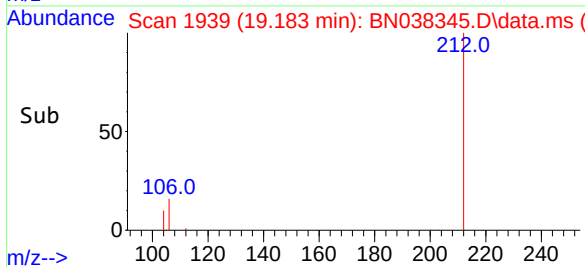
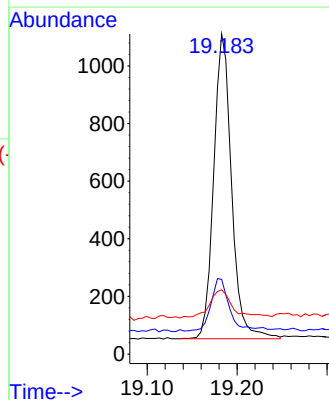
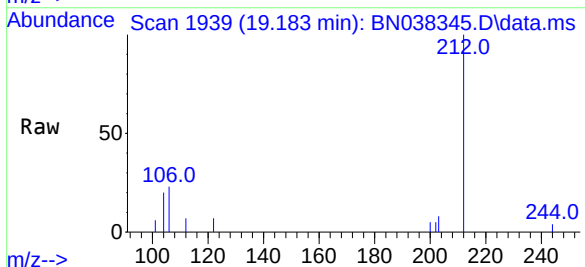
Tgt Ion:212 Resp: 1457

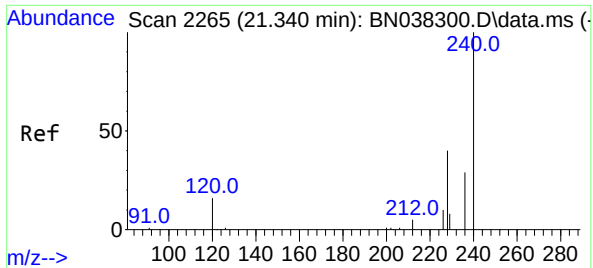
Ion Ratio Lower Upper

212 100

106 17.0 13.7 20.5

104 12.4 7.8 11.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038345.D

Acq: 12 Dec 2025 10:36

Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525DL

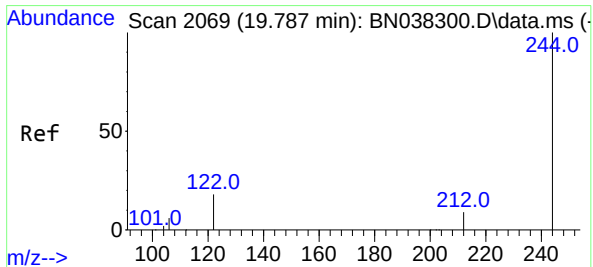
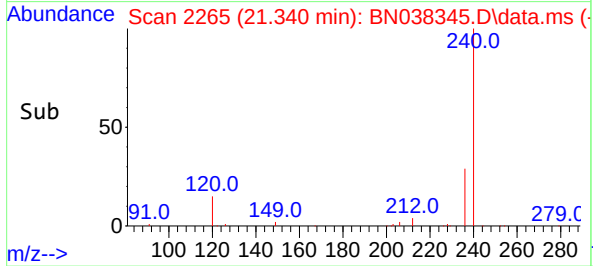
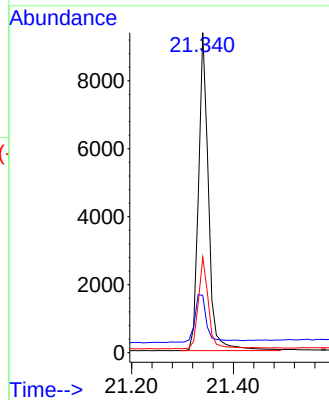
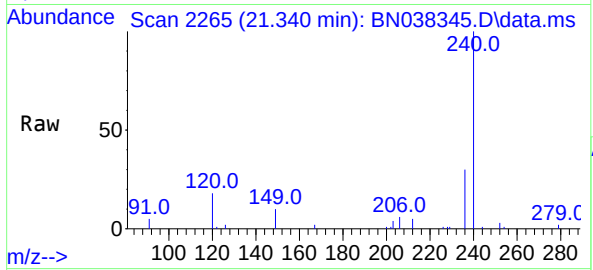
Tgt Ion:240 Resp: 12712

Ion Ratio Lower Upper

240 100

120 17.9 15.4 23.2

236 29.8 23.9 35.9



#31

Terphenyl-d14

Concen: 0.041 ng

RT: 19.787 min Scan# 2069

Delta R.T. -0.005 min

Lab File: BN038345.D

Acq: 12 Dec 2025 10:36

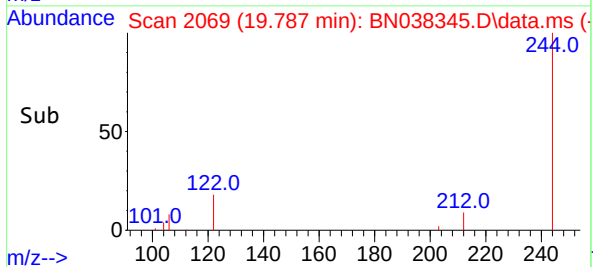
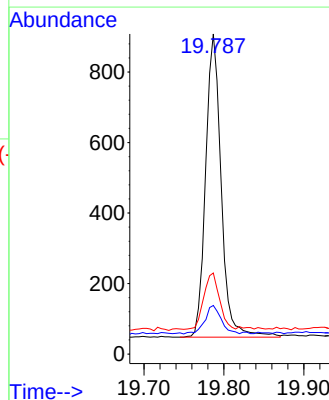
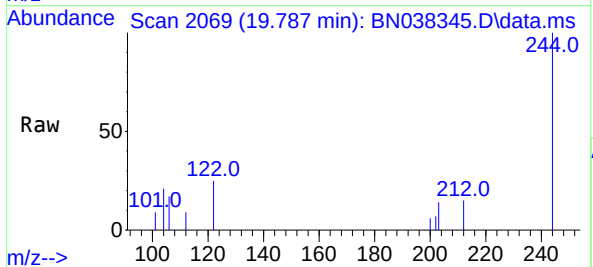
Tgt Ion:244 Resp: 1163

Ion Ratio Lower Upper

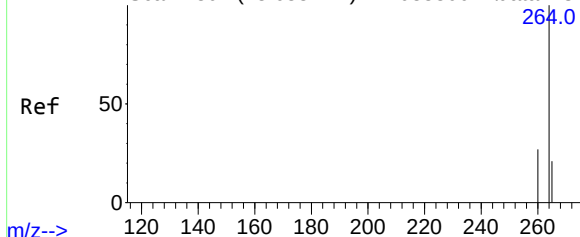
244 100

212 15.2 7.9 11.9#

122 25.3 15.0 22.6#



Abundance Scan 2804 (23.633 min): BN038300.D\data.ms (-



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.630 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN038345.D

Acq: 12 Dec 2025 10:36

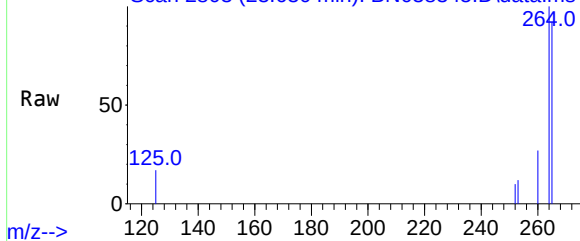
Instrument :

BNA_N

ClientSampleId :

OWBR-05-135-120525DL

Abundance Scan 2803 (23.630 min): BN038345.D\data.ms (-



Tgt Ion:264 Resp: 12609

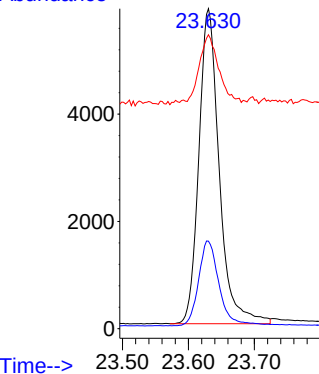
Ion Ratio Lower Upper

264 100

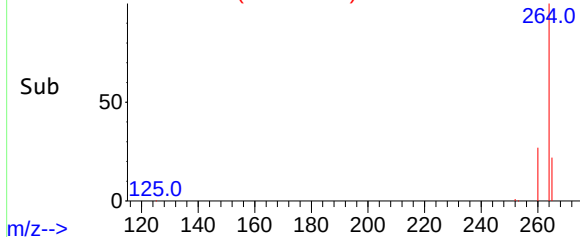
260 27.4 22.2 33.2

265 91.8 80.2 120.2

Abundance



Abundance Scan 2803 (23.630 min): BN038345.D\data.ms (-



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038325.D
Acq On : 11 Dec 2025 19:40
Operator : RC/JU
Sample : Q3788-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

Quant Time: Dec 12 00:10:47 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

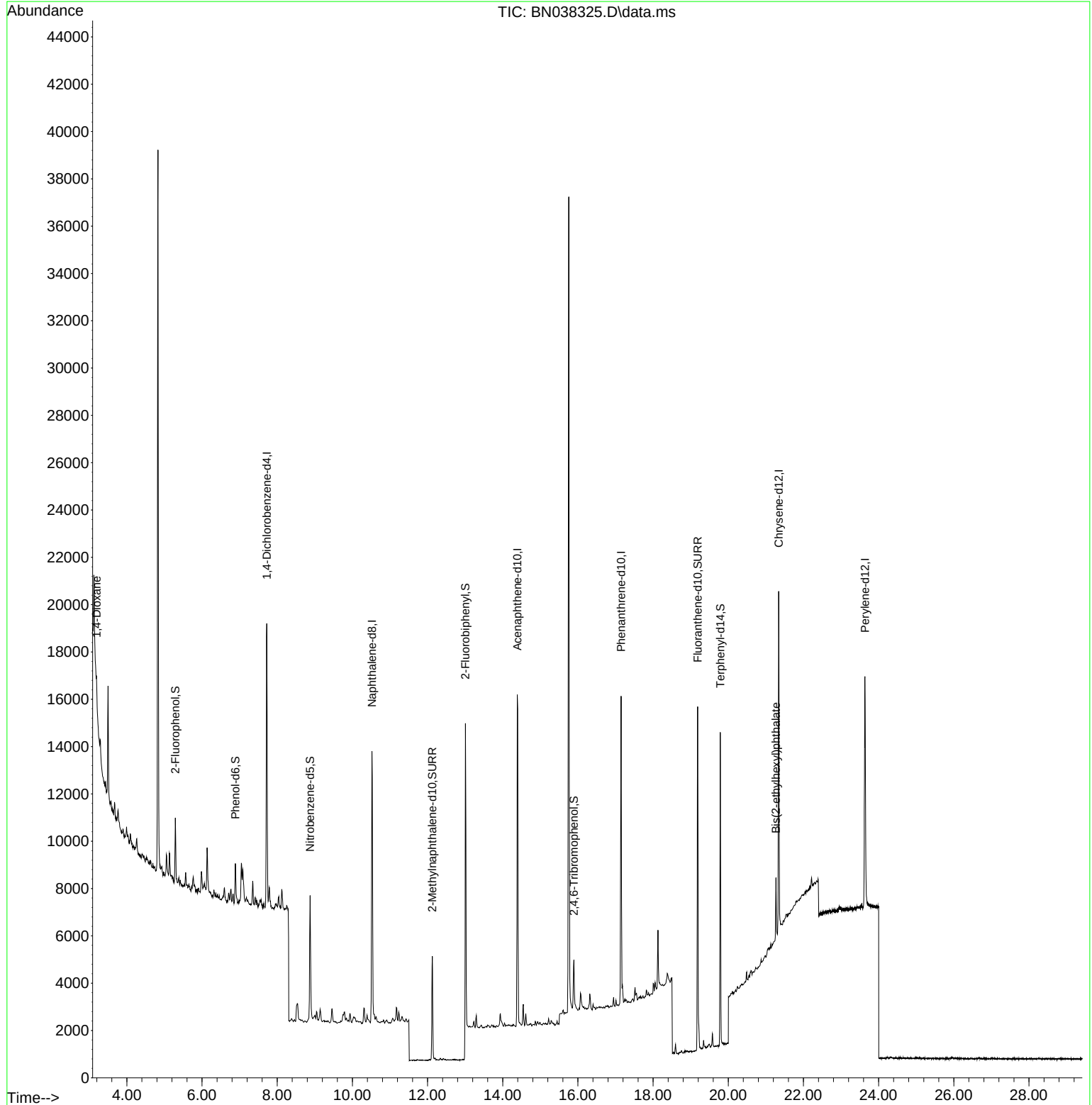
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5784	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	15998	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8662	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	16764	0.400	ng	0.00
29) Chrysene-d12	21.340	240	13742	0.400	ng	# 0.00
35) Perylene-d12	23.636	264	13571	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	2104	0.146	ng	0.00
5) Phenol-d6	6.887	99	1545	0.090	ng	0.00
8) Nitrobenzene-d5	8.875	82	4453	0.330	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	6020	0.267	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1270	0.330	ng	0.00
15) 2-Fluorobiphenyl	13.009	172	11355	0.272	ng	0.00
27) Fluoranthene-d10	19.188	212	15855	0.382	ng	0.00
31) Terphenyl-d14	19.787	244	12212	0.398	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.196	88	506	0.076	ng	# 63
34) Bis(2-ethylhexyl)phtha...	21.268	149	2401	0.082	ng	# 98

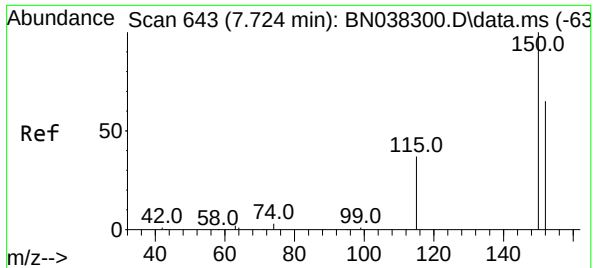
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038325.D
Acq On : 11 Dec 2025 19:40
Operator : RC/JU
Sample : Q3788-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

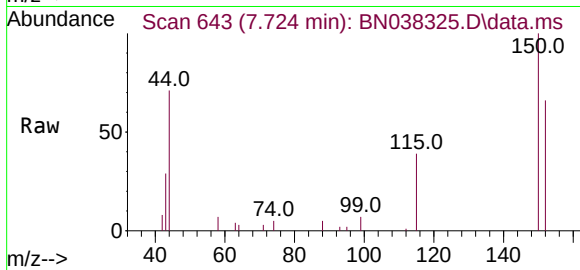
Quant Time: Dec 12 00:10:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



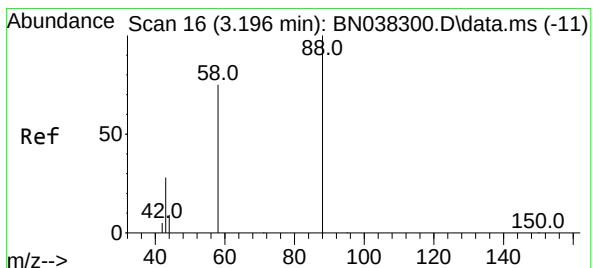
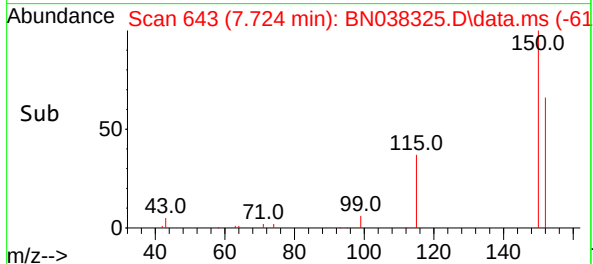
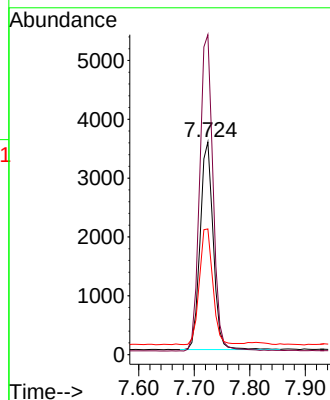


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

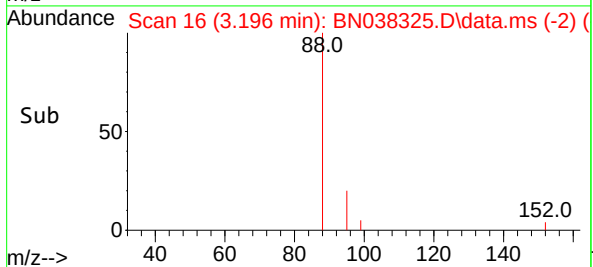
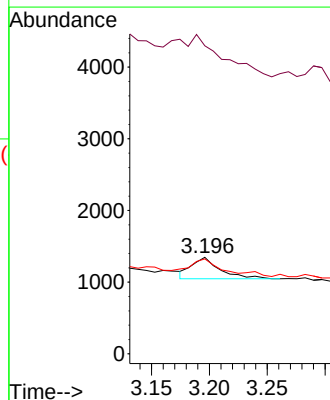
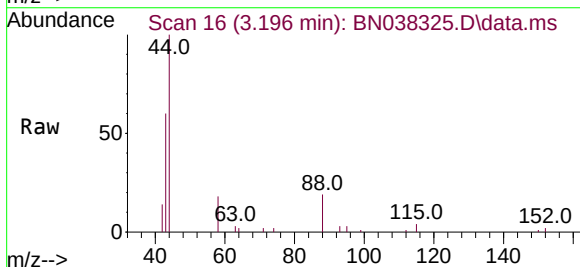


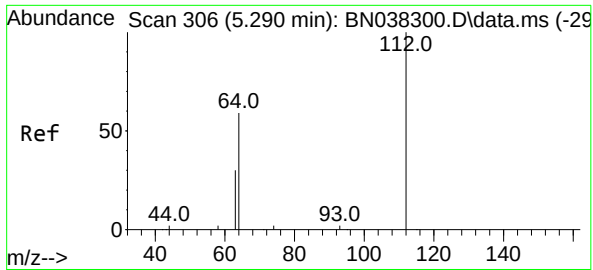
Tgt Ion:152 Resp: 5784
Ion Ratio Lower Upper
152 100
150 150.5 122.4 183.6
115 59.1 47.3 70.9



#2
1,4-Dioxane
Concen: 0.076 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Tgt Ion: 88 Resp: 506
Ion Ratio Lower Upper
88 100
43 0.0 24.9 37.3#
58 101.8 61.4 92.0#

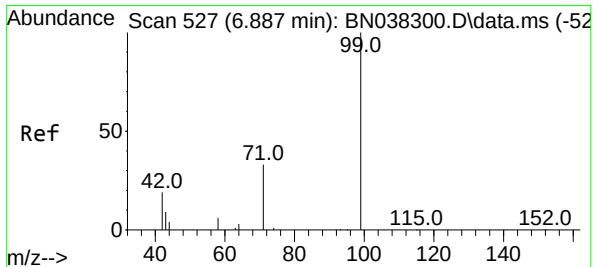
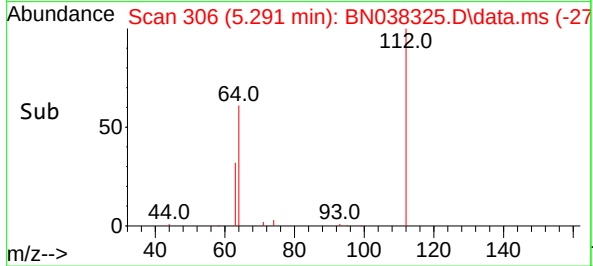
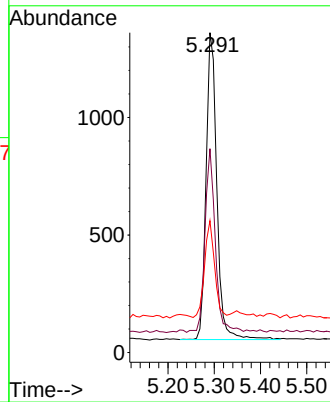
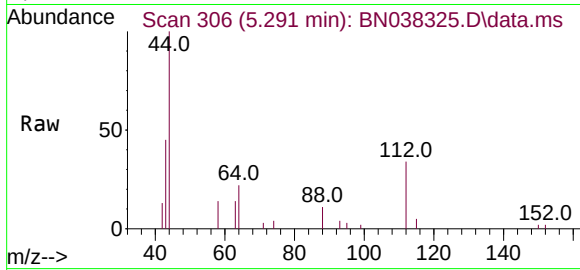




#4
2-Fluorophenol
Concen: 0.146 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

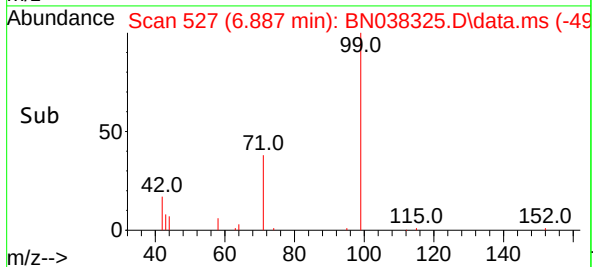
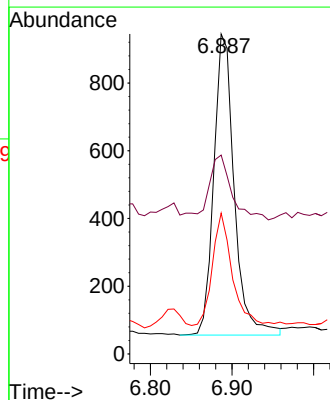
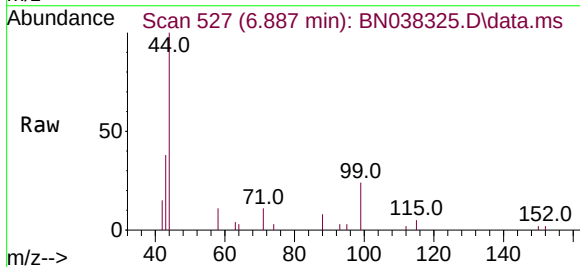
Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

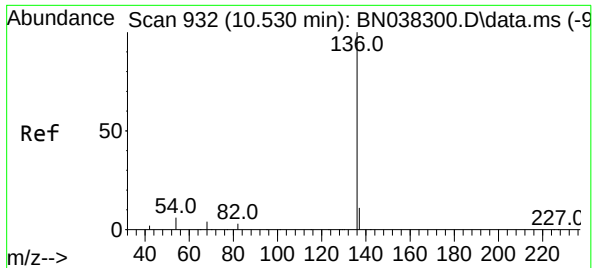
Tgt Ion:	112	Resp:	2104
Ion	Ratio	Lower	Upper
112	100		
64	57.4	44.4	66.6
63	29.7	23.4	35.0



#5
Phenol-d6
Concen: 0.090 ng
RT: 6.887 min Scan# 527
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

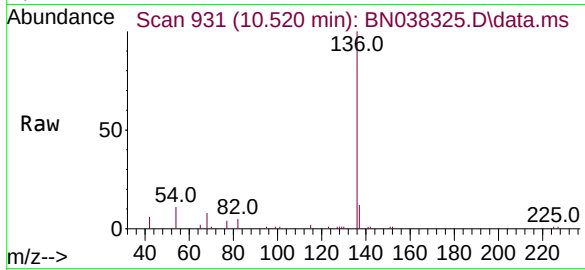
Tgt Ion:	99	Resp:	1545
Ion	Ratio	Lower	Upper
99	100		
42	23.2	16.5	24.7
71	36.6	24.9	37.3



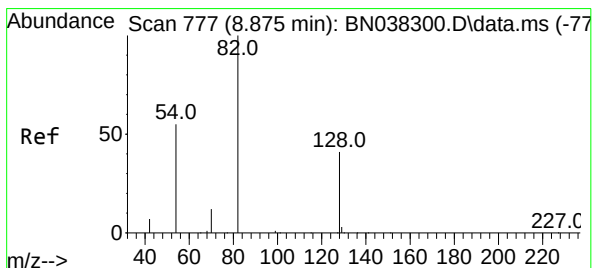
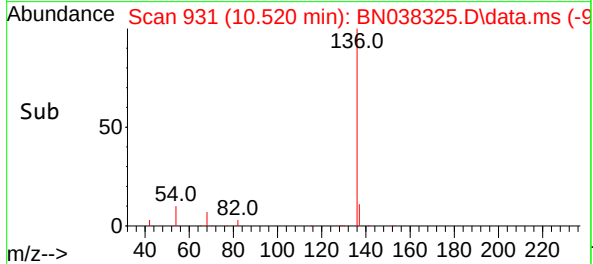
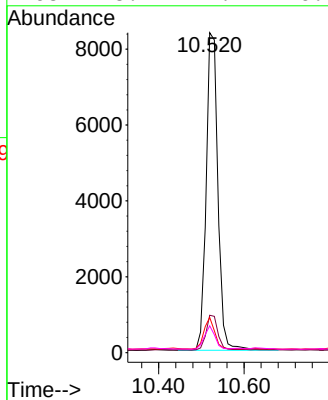


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

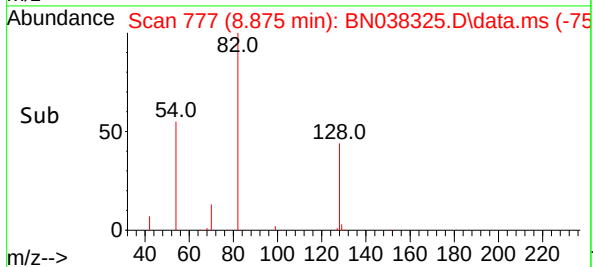
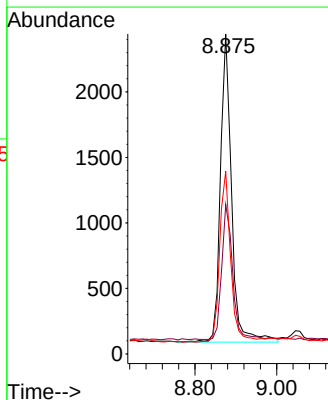
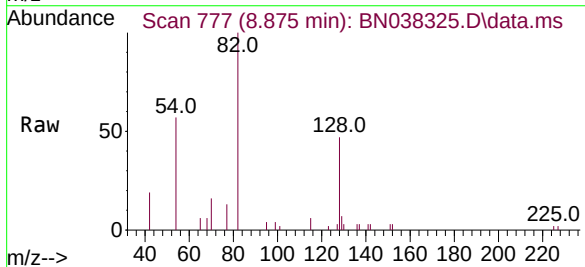


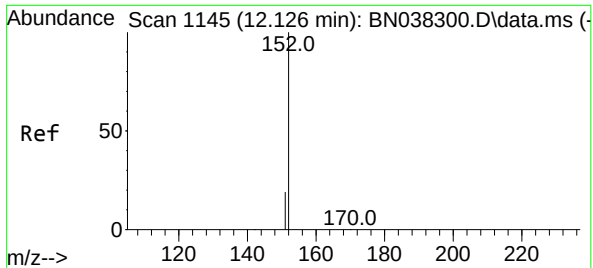
Tgt Ion:136 Resp: 15998
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 11.0 5.2 7.8#
68 8.4 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.330 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Tgt Ion: 82 Resp: 4453
Ion Ratio Lower Upper
82 100
128 46.7 34.0 51.0
54 57.1 44.4 66.6

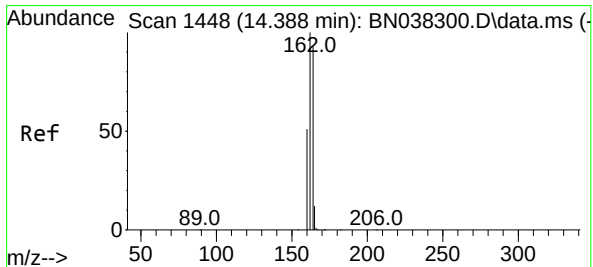
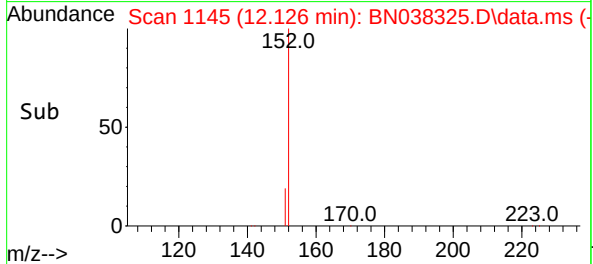
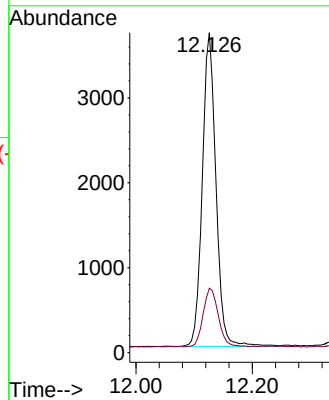
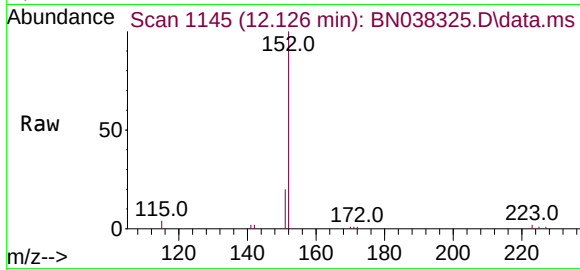




#11
2-Methylnaphthalene-d10
Concen: 0.267 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

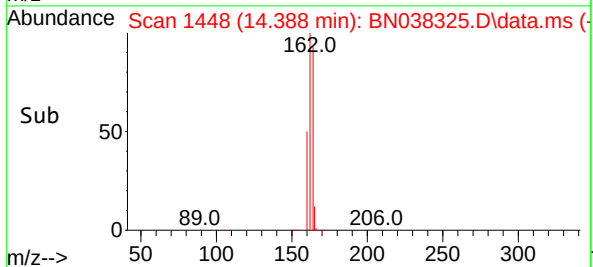
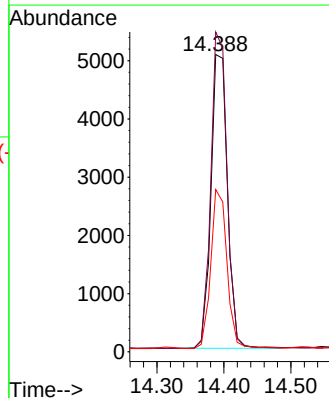
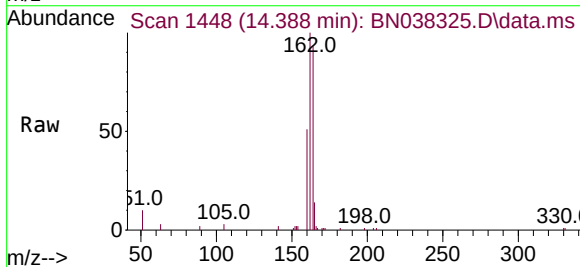
Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

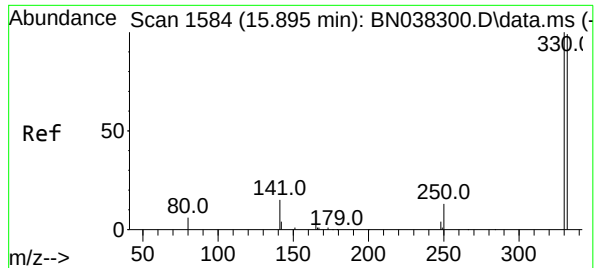
Tgt Ion:152 Resp: 6020
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Tgt Ion:164 Resp: 8662
Ion Ratio Lower Upper
164 100
162 107.6 86.2 129.4
160 54.6 44.6 67.0

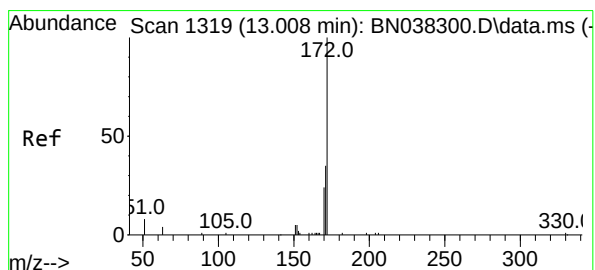
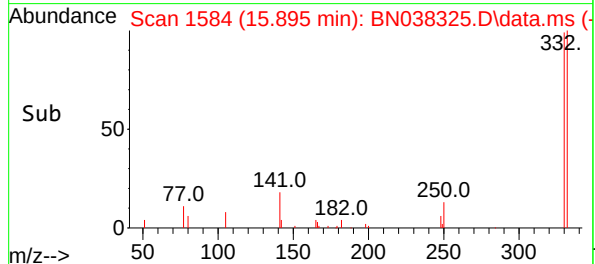
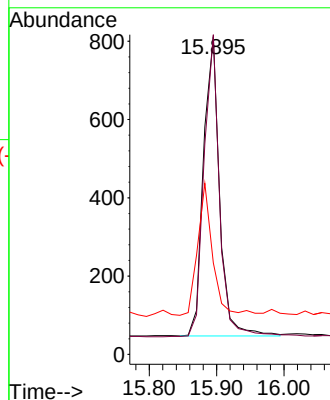
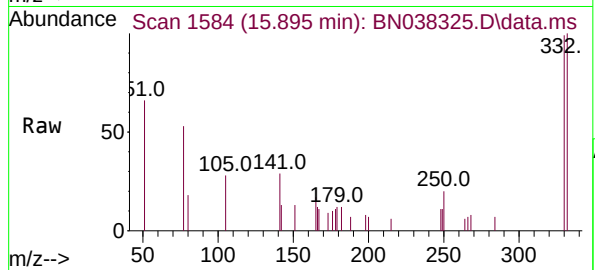




#14
2,4,6-Tribromophenol
Concen: 0.330 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

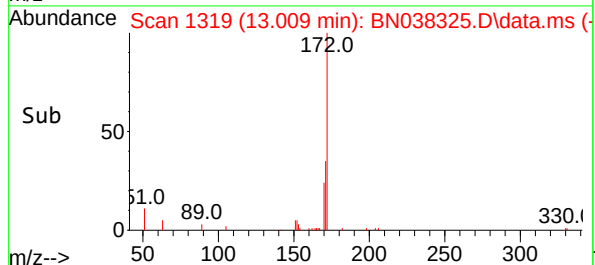
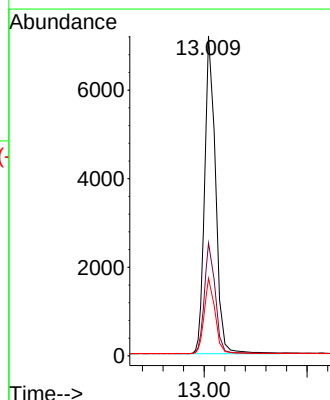
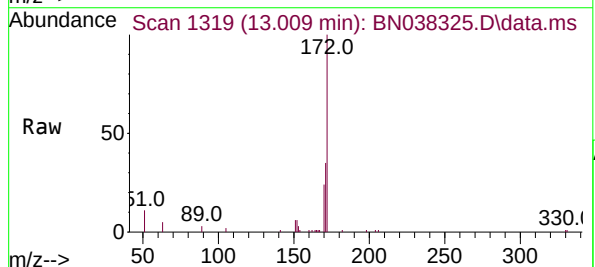
Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

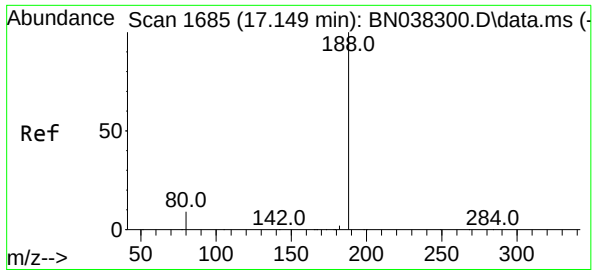
Tgt Ion:	330	Resp:	1270
Ion Ratio	Lower	Upper	
330	100		
332	97.6	75.8	113.6
141	41.1	31.8	47.8



#15
2-Fluorobiphenyl
Concen: 0.272 ng
RT: 13.009 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Tgt Ion:	172	Resp:	11355
Ion Ratio	Lower	Upper	
172	100		
171	35.3	28.6	42.8
170	24.2	19.3	28.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.149 min Scan# 10

Delta R.T. 0.000 min

Lab File: BN038325.D

Acq: 11 Dec 2025 19:40

Instrument :

BNA_N

ClientSampleId :

OW-01B-66.5-120525

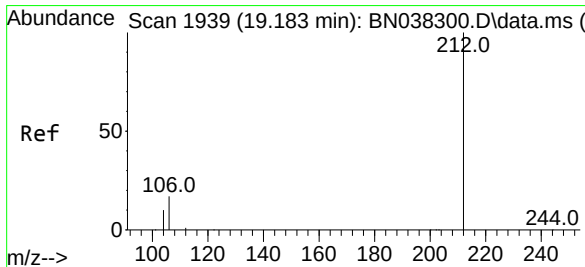
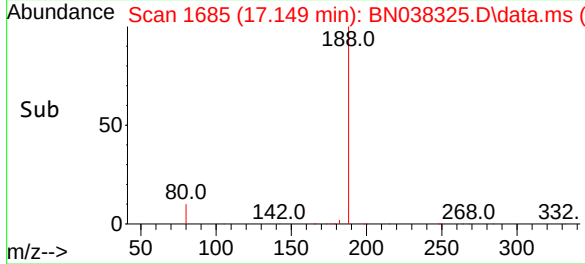
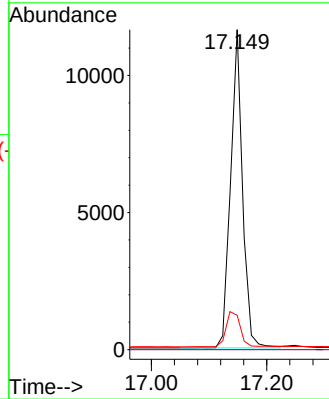
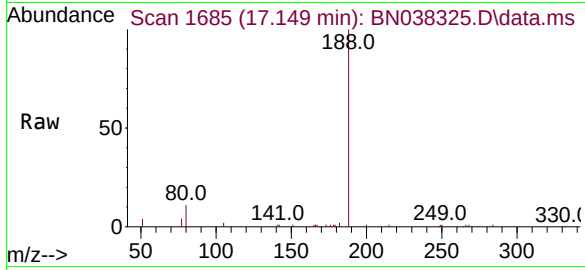
Tgt Ion:188 Resp: 16764

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.7 7.4 11.0



#27

Fluoranthene-d10

Concen: 0.382 ng

RT: 19.188 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BN038325.D

Acq: 11 Dec 2025 19:40

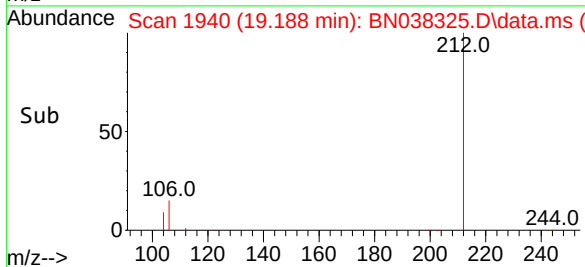
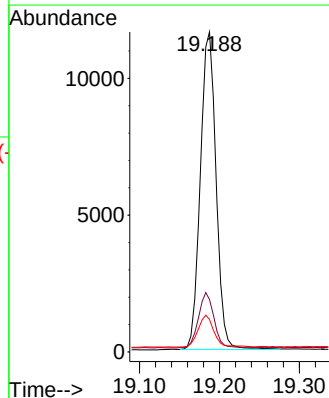
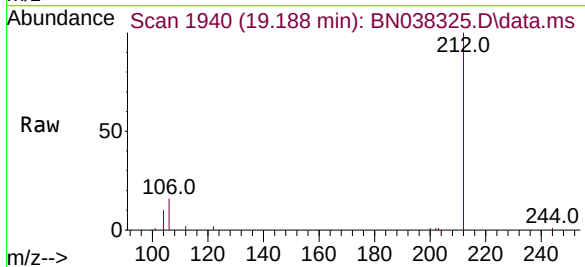
Tgt Ion:212 Resp: 15855

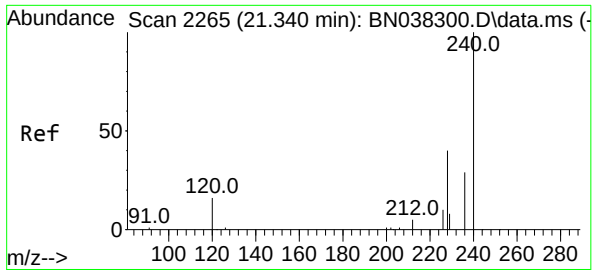
Ion Ratio Lower Upper

212 100

106 17.2 13.7 20.5

104 9.9 7.8 11.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038325.D

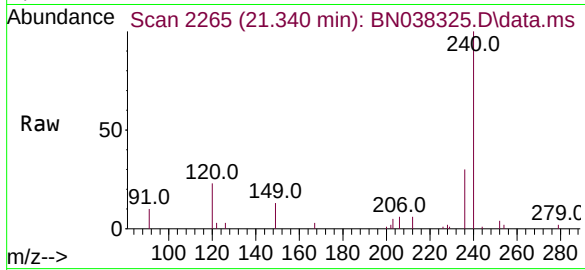
Acq: 11 Dec 2025 19:40

Instrument :

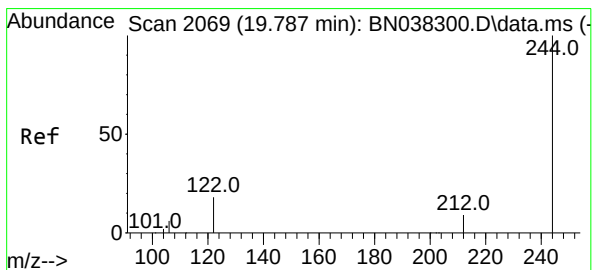
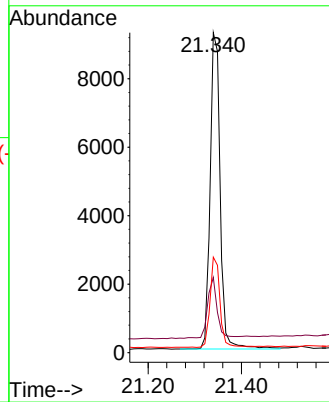
BNA_N

ClientSampleId :

OW-01B-66.5-120525



Tgt Ion:	240	Resp:	13742
Ion Ratio	Lower	Upper	
240	100		
120	23.5	15.4	23.2#
236	29.8	23.9	35.9



#31

Terphenyl-d14

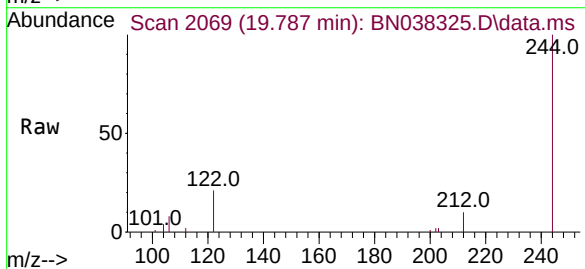
Concen: 0.398 ng

RT: 19.787 min Scan# 2069

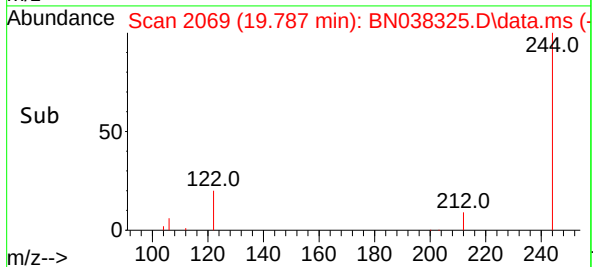
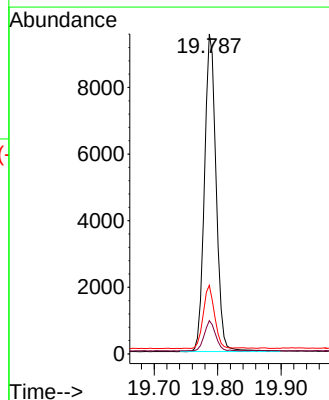
Delta R.T. -0.005 min

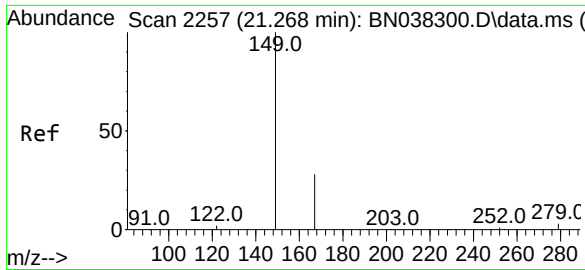
Lab File: BN038325.D

Acq: 11 Dec 2025 19:40



Tgt Ion:	244	Resp:	12212
Ion Ratio	Lower	Upper	
244	100		
212	10.4	7.9	11.9
122	21.4	15.0	22.6

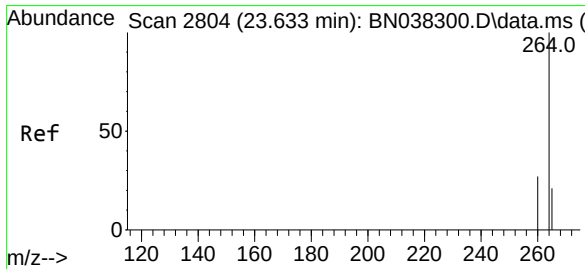
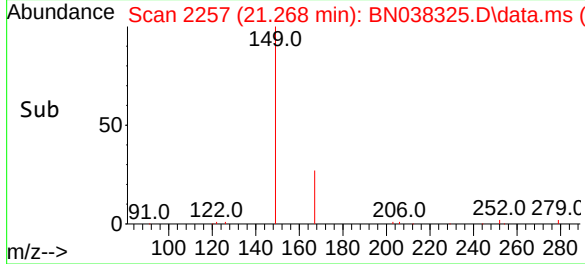
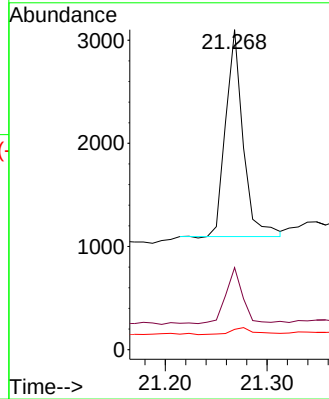
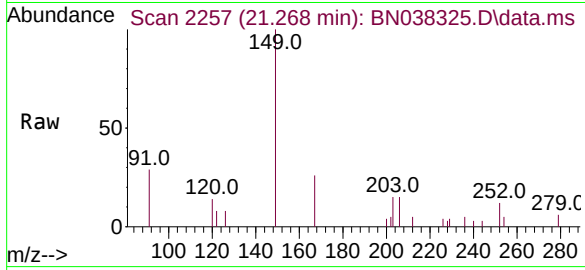




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.082 ng
RT: 21.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

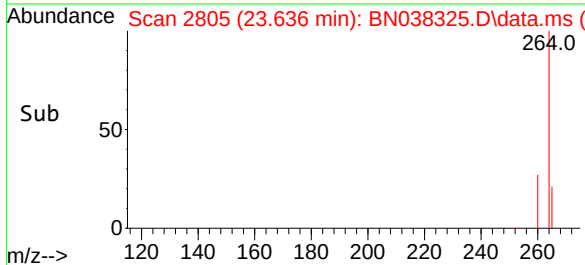
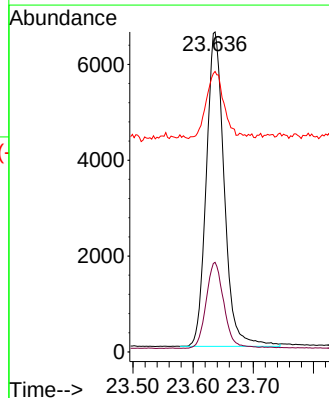
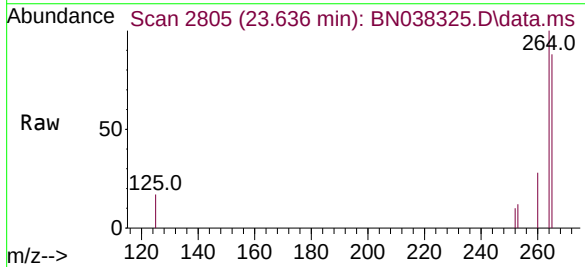
Instrument :
BNA_N
ClientSampleId :
OW-01B-66.5-120525

Tgt Ion:149 Resp: 2401
Ion Ratio Lower Upper
149 100
167 26.1 21.4 32.0
279 4.7 2.4 3.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.636 min Scan# 2805
Delta R.T. 0.003 min
Lab File: BN038325.D
Acq: 11 Dec 2025 19:40

Tgt Ion:264 Resp: 13571
Ion Ratio Lower Upper
264 100
260 28.0 22.2 33.2
265 87.6 80.2 120.2



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
 Data File : BN038340.D
 Acq On : 12 Dec 2025 06:02
 Operator : RC/JU
 Sample : Q3788-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TA-BR-05-465-120525

Quant Time: Dec 12 07:09:01 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)

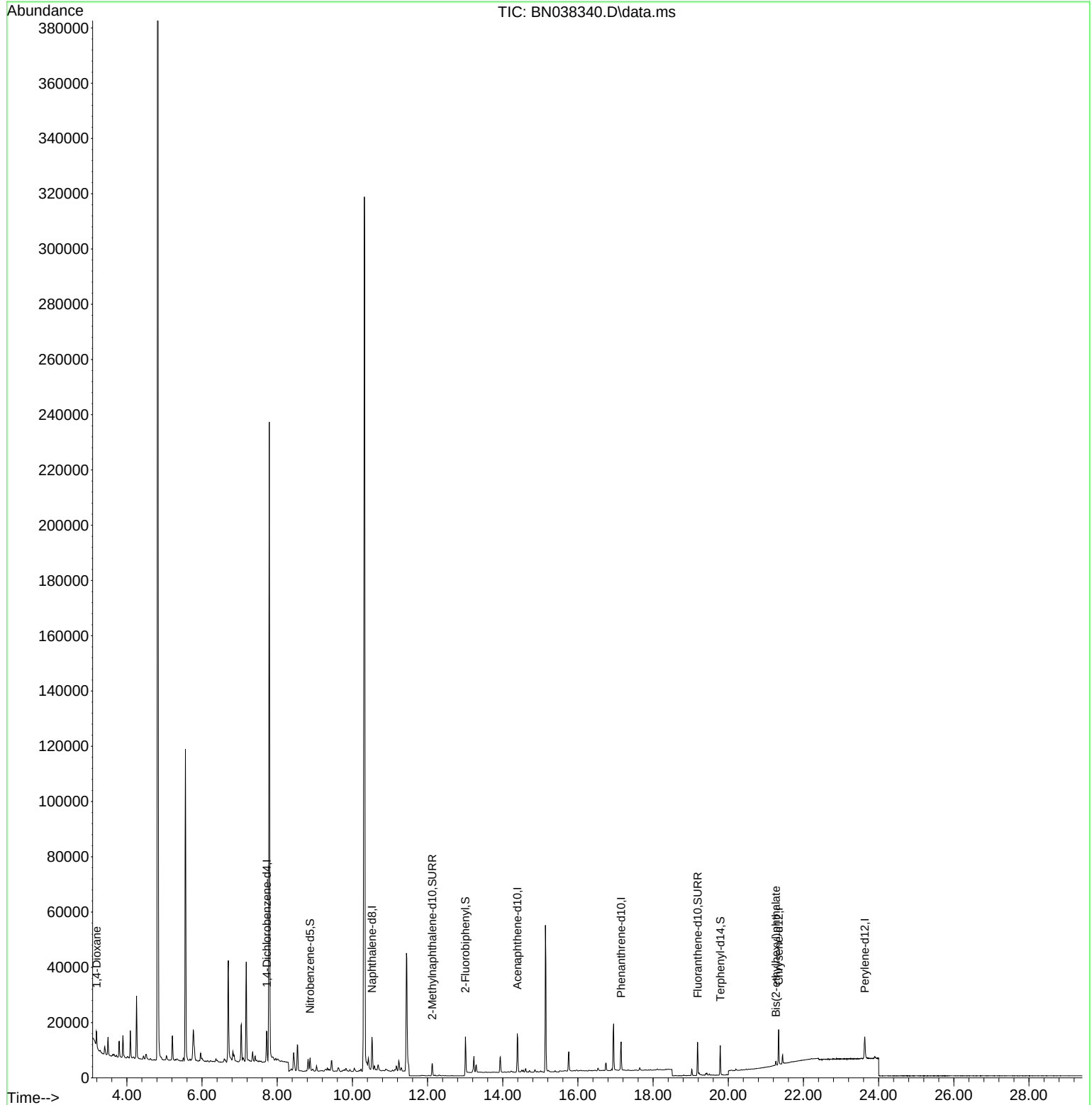
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5725	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	15596	0.400	ng	#-0.01
13) Acenaphthene-d10	14.387	164	7934	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	14347	0.400	ng	0.00
29) Chrysene-d12	21.339	240	11335	0.400	ng	0.00
35) Perylene-d12	23.630	264	11188	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.269	112	16	0.001	ng	-0.02
5) Phenol-d6	6.894	99	37	0.002	ng	0.00
8) Nitrobenzene-d5	8.875	82	3498	0.266	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	6033	0.274	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	8	0.002	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	11656	0.305	ng	0.00
27) Fluoranthene-d10	19.183	212	12667	0.357	ng	0.00
31) Terphenyl-d14	19.787	244	9824	0.388	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.196	88	2326	0.354	ng	# 39
34) Bis(2-ethylhexyl)phtha...	21.268	149	1365	0.057	ng	# 95

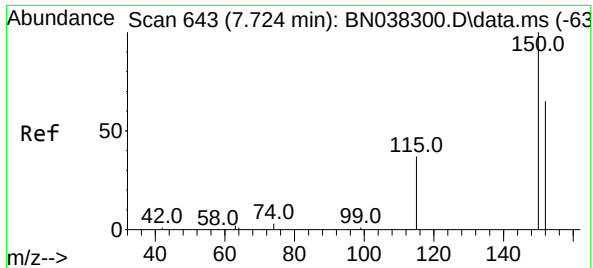
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038340.D
Acq On : 12 Dec 2025 06:02
Operator : RC/JU
Sample : Q3788-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

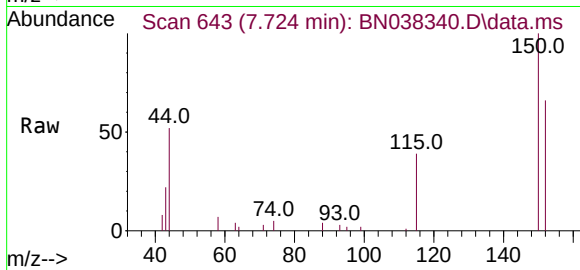
Quant Time: Dec 12 07:09:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



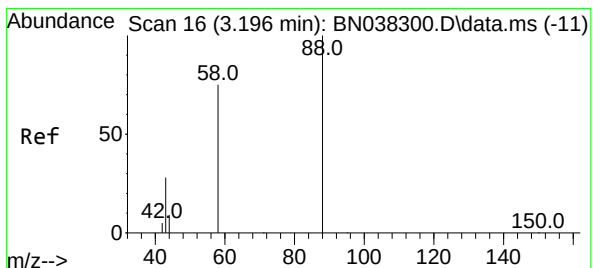
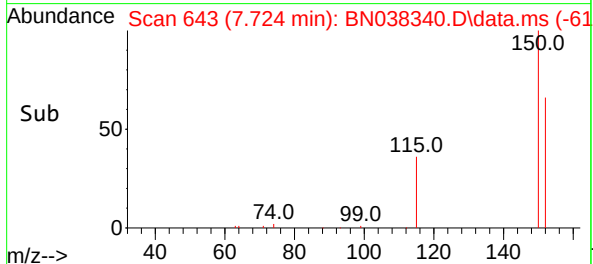
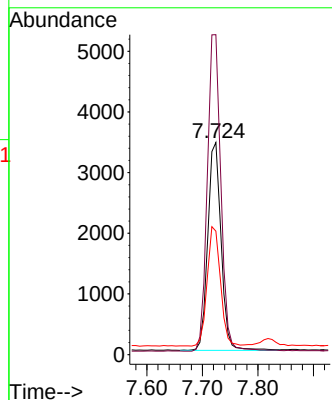


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

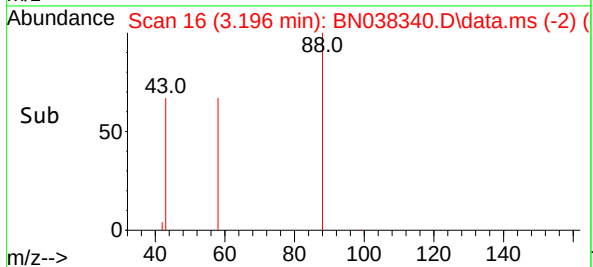
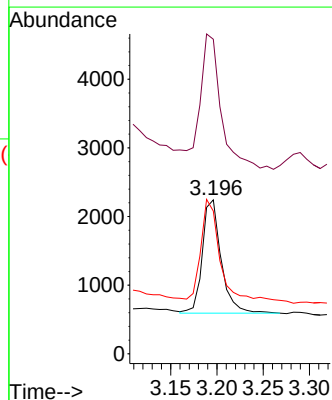
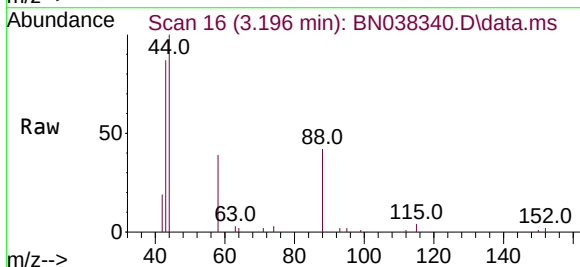


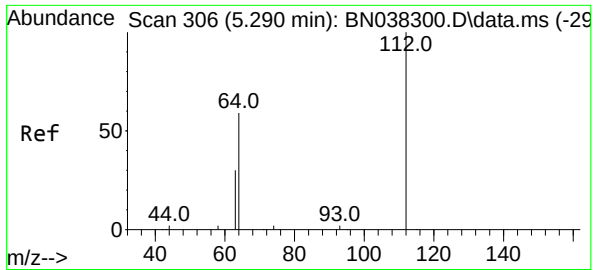
Tgt Ion:152 Resp: 5725
Ion Ratio Lower Upper
152 100
150 150.8 122.4 183.6
115 58.2 47.3 70.9



#2
1,4-Dioxane
Concen: 0.354 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion: 88 Resp: 2326
Ion Ratio Lower Upper
88 100
43 132.2 24.9 37.3#
58 86.8 61.4 92.0

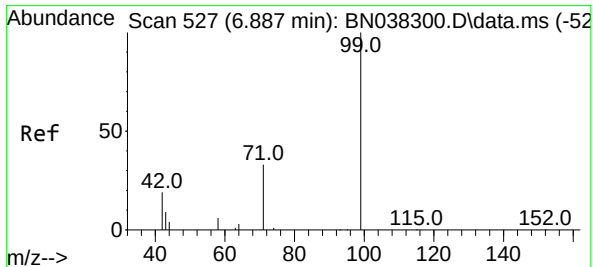
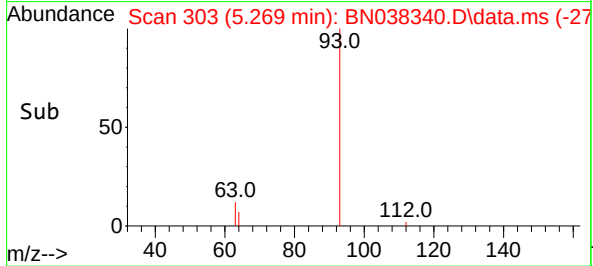
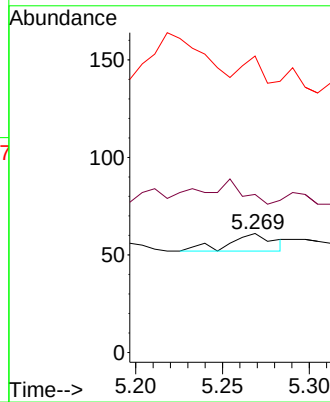
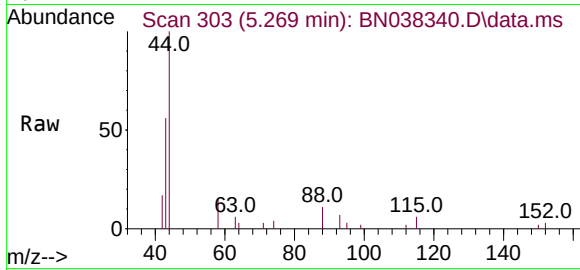




#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.269 min Scan# 306
Delta R.T. -0.022 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

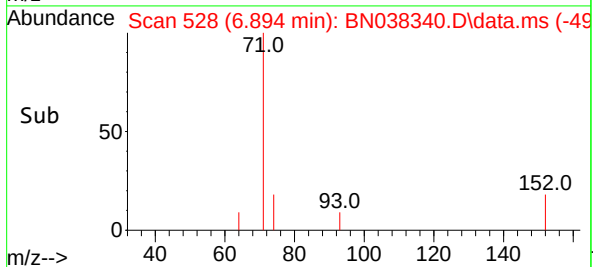
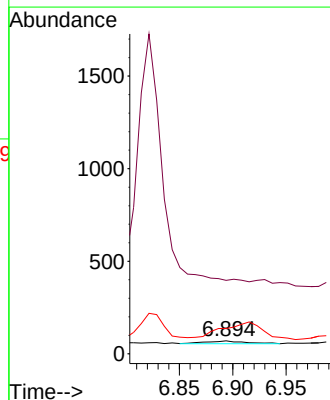
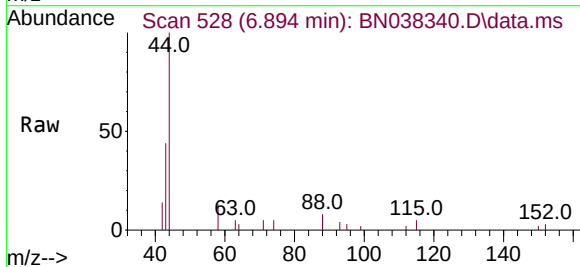
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

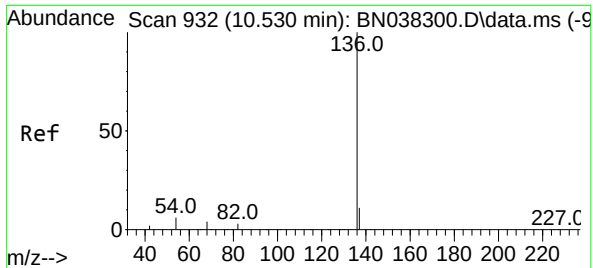
Tgt Ion:112 Resp: 16
Ion Ratio Lower Upper
112 100
64 193.8 44.4 66.6#
63 143.8 23.4 35.0#



#5
Phenol-d6
Concen: 0.002 ng
RT: 6.894 min Scan# 528
Delta R.T. 0.007 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion: 99 Resp: 37
Ion Ratio Lower Upper
99 100
42 0.0 16.5 24.7#
71 0.0 24.9 37.3#

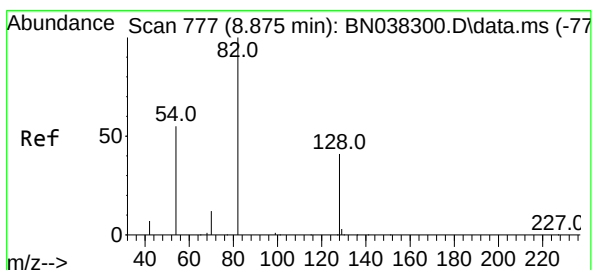
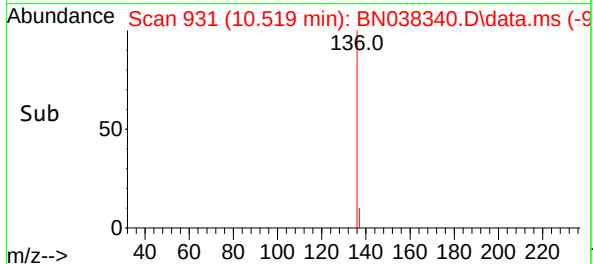
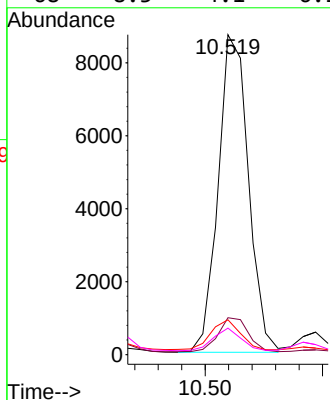
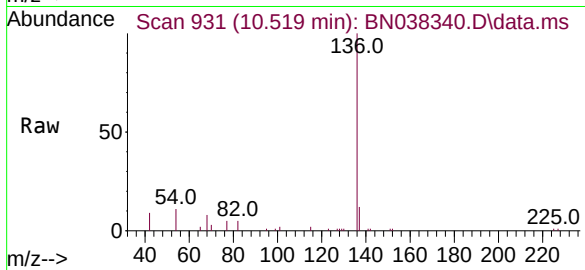




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

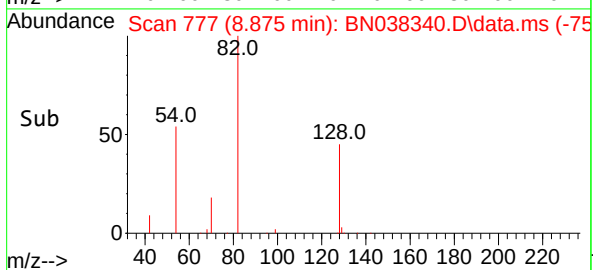
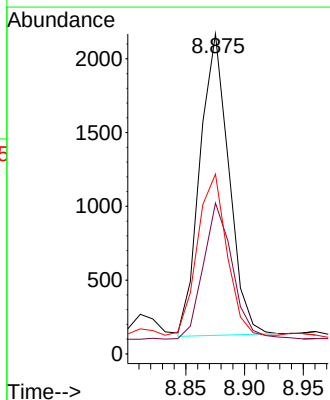
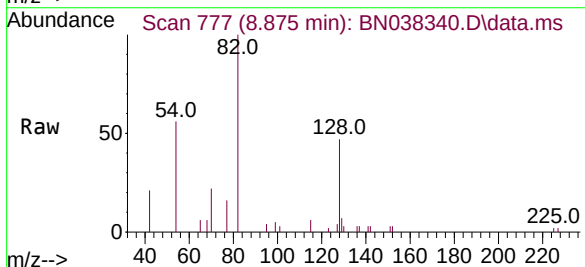
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

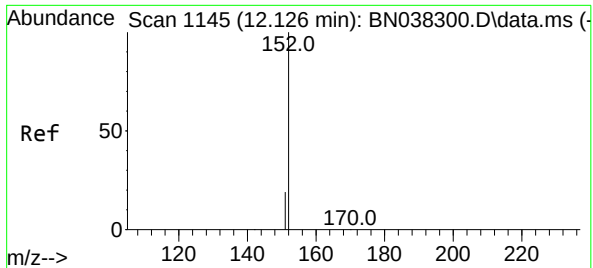
Tgt Ion:136	Resp:	15596
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.1 13.7
54	10.9	5.2 7.8#
68	8.3	4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.266 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion: 82	Resp:	3498
Ion Ratio	Lower	Upper
82	100	
128	47.1	34.0 51.0
54	56.2	44.4 66.6

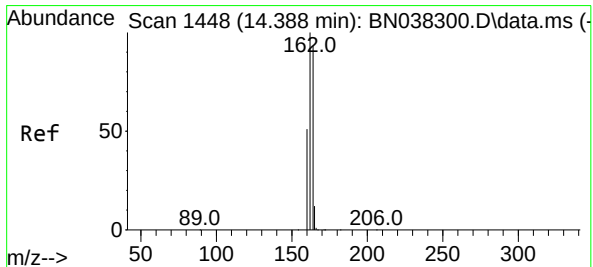
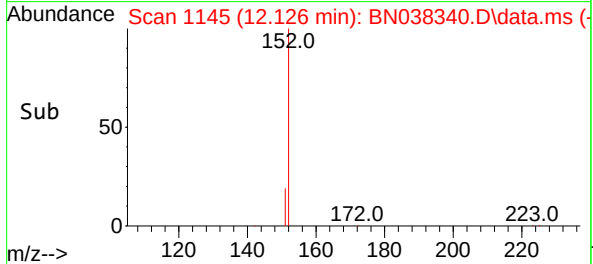
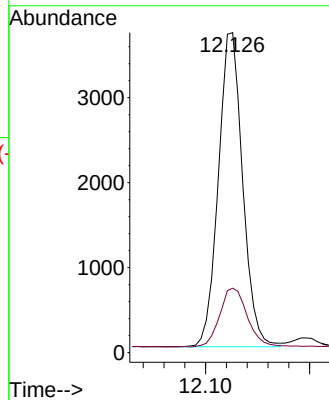
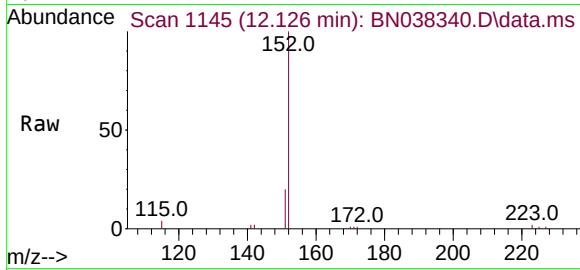




#11
2-Methylnaphthalene-d10
Concen: 0.274 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

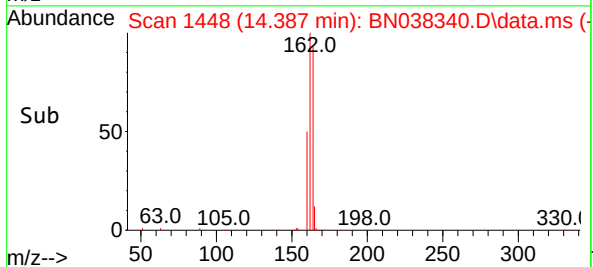
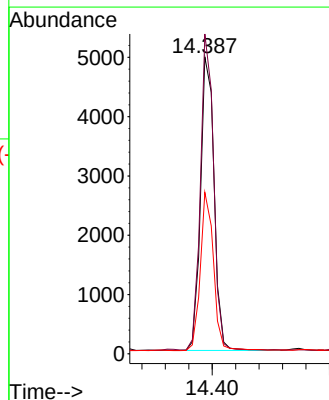
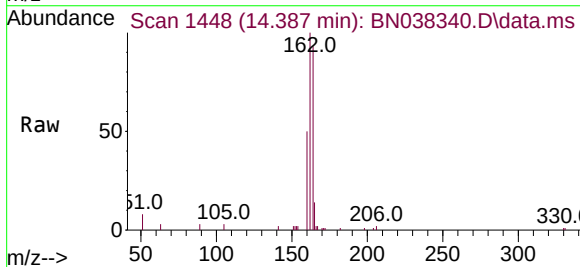
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

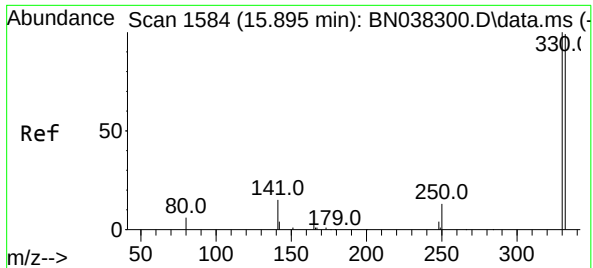
Tgt Ion:152 Resp: 6033
Ion Ratio Lower Upper
152 100
151 21.4 17.0 25.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion:164 Resp: 7934
Ion Ratio Lower Upper
164 100
162 107.8 86.2 129.4
160 54.4 44.6 67.0

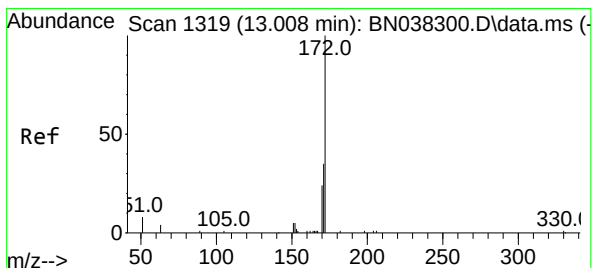
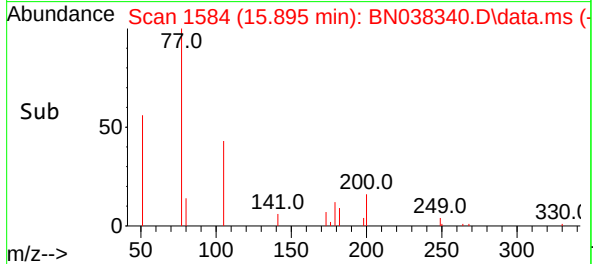
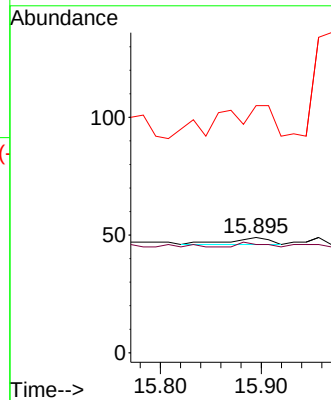
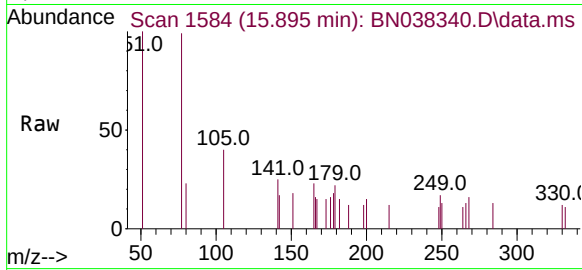




#14
2,4,6-Tribromophenol
Concen: 0.002 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

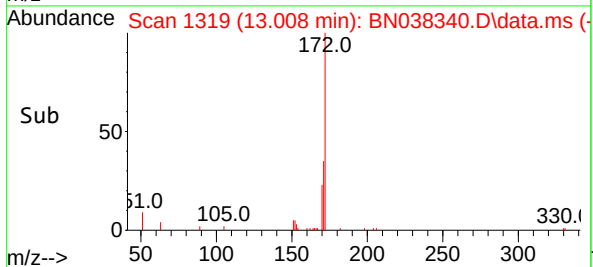
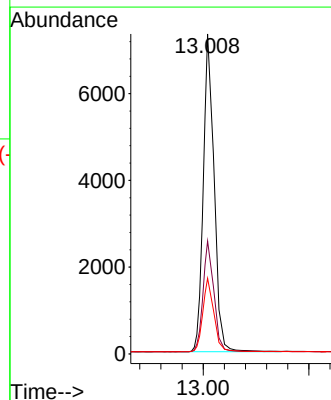
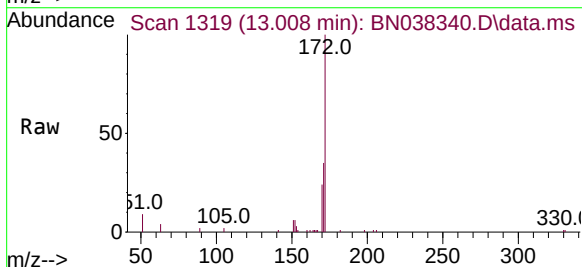
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

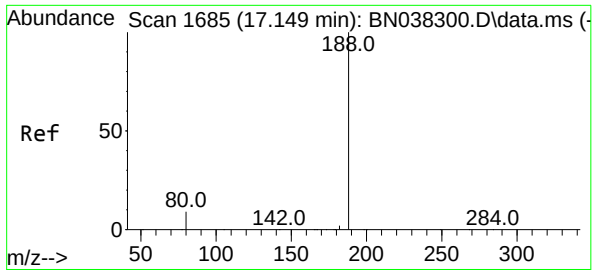
Tgt Ion:330 Resp: 8
Ion Ratio Lower Upper
330 100
332 37.5 75.8 113.6#
141 0.0 31.8 47.8#



#15
2-Fluorobiphenyl
Concen: 0.305 ng
RT: 13.008 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion:172 Resp: 11656
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.6 19.3 28.9

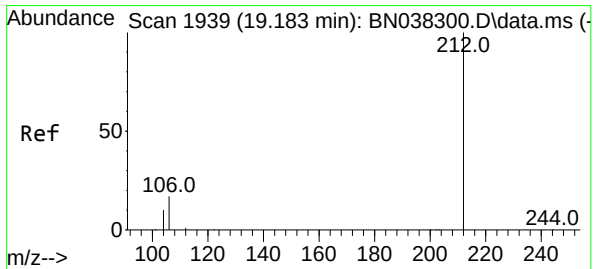
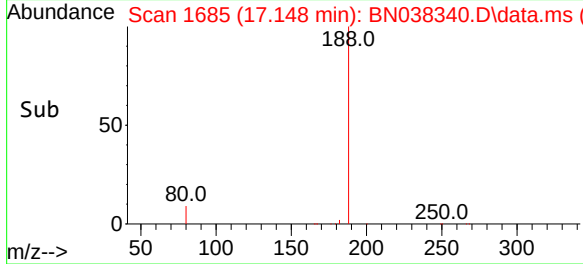
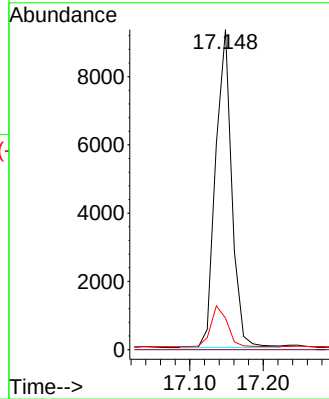
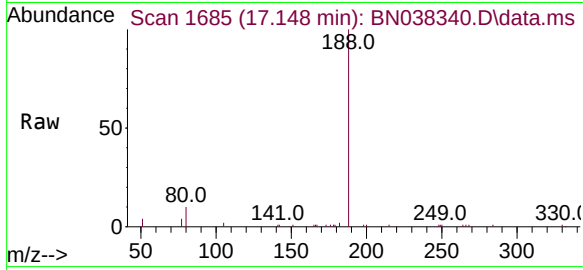




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

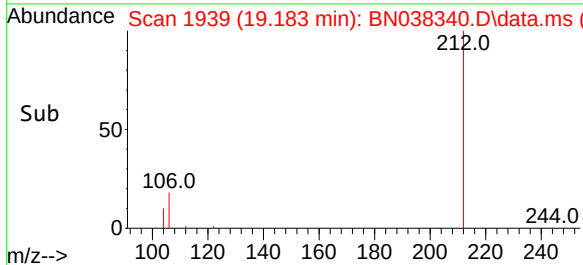
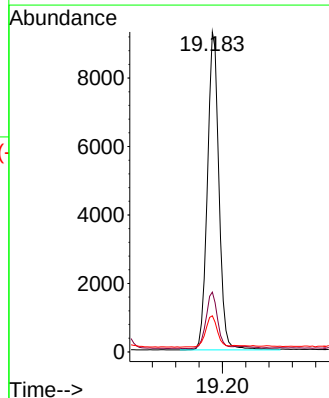
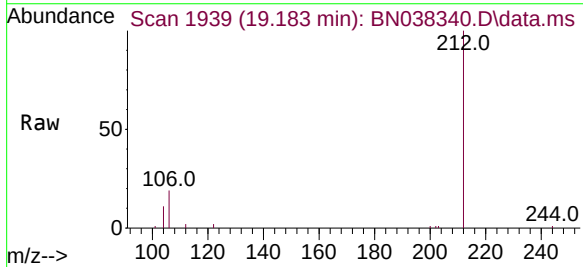
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

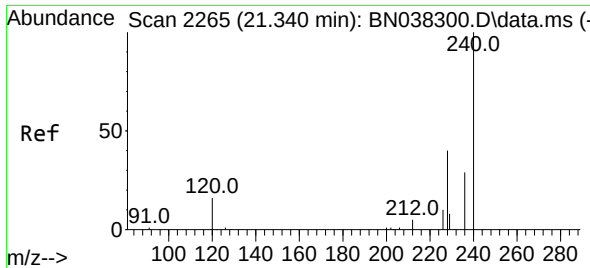
Tgt Ion:188	Resp:	14347
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	9.9	11.0



#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

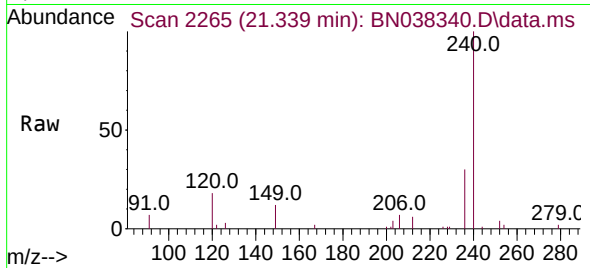
Tgt Ion:212	Resp:	12667
Ion Ratio	Lower	Upper
212	100	
106	17.8	13.7
104	10.0	7.8



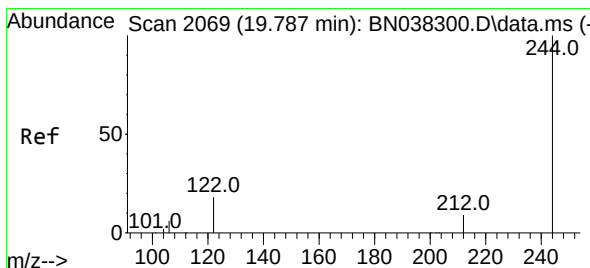
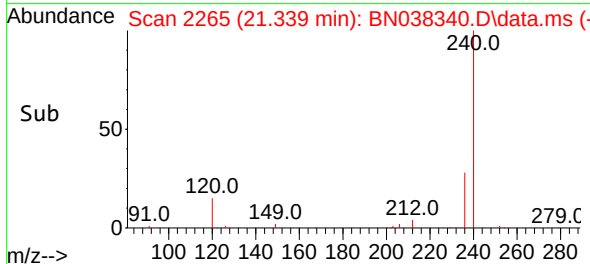
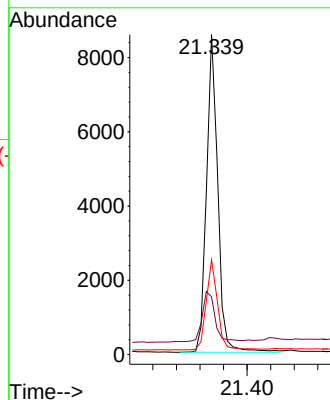


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.339 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

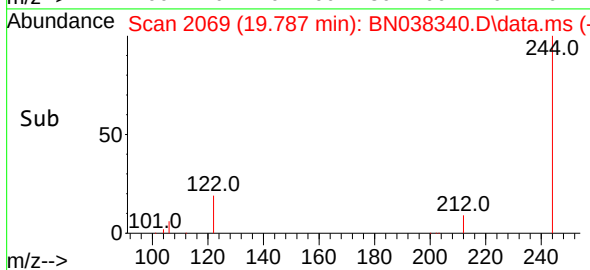
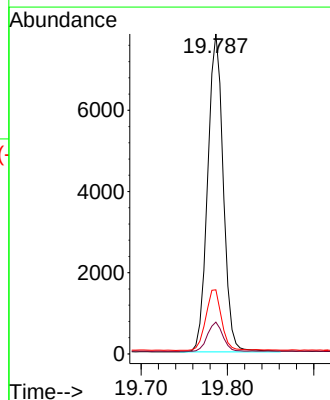
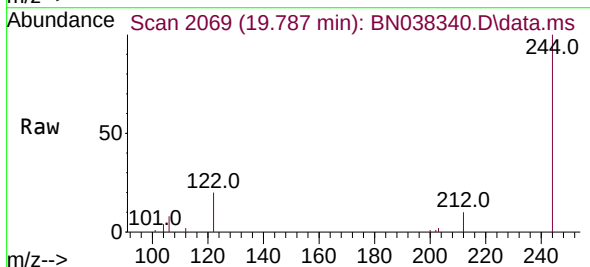


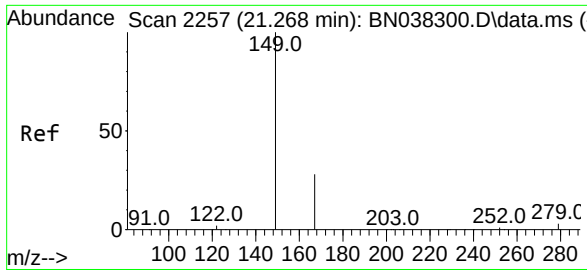
Tgt Ion	Ratio	Lower	Upper
240	100		
120	18.1	15.4	23.2
236	29.6	23.9	35.9



#31
Terphenyl-d14
Concen: 0.388 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.9	11.9
122	20.0	15.0	22.6

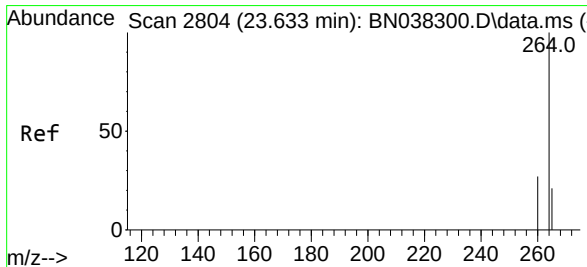
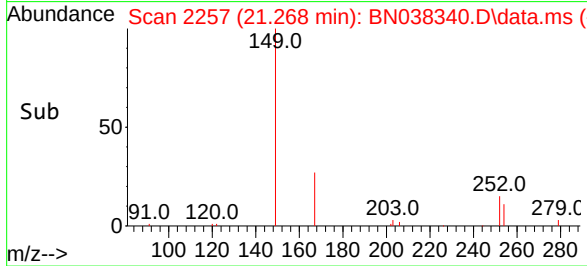
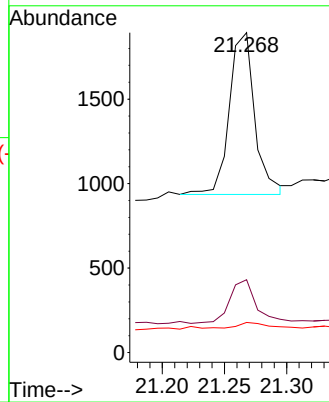
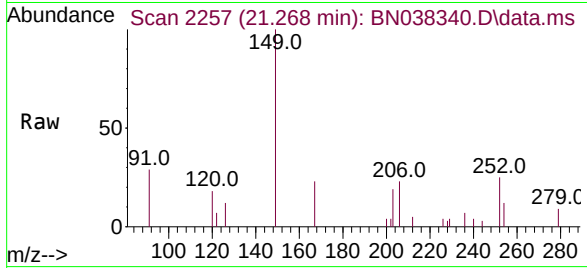




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.057 ng
RT: 21.268 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038340.D
Acq: 12 Dec 2025 06:02

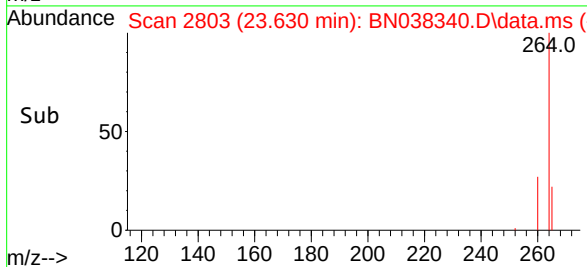
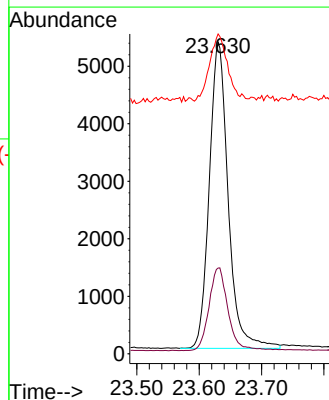
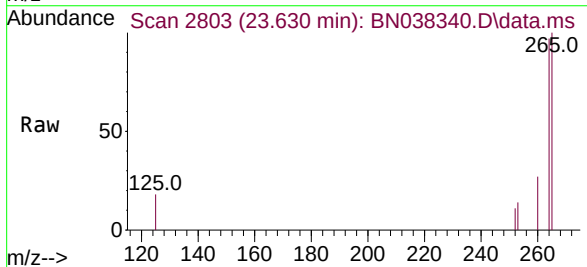
Instrument :
BNA_N
ClientSampleId :
TA-BR-05-465-120525

Tgt Ion:149 Resp: 1365
Ion Ratio Lower Upper
149 100
167 29.5 21.4 32.0
279 4.3 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: BN038340.D
Acq: 12 Dec 2025 06:02

Tgt Ion:264 Resp: 11188
Ion Ratio Lower Upper
264 100
260 27.5 22.2 33.2
265 102.7 80.2 120.2



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
 Data File : BN038326.D
 Acq On : 11 Dec 2025 20:16
 Operator : RC/JU
 Sample : Q3788-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-16B-87.5-120525

Quant Time: Dec 12 00:11:03 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

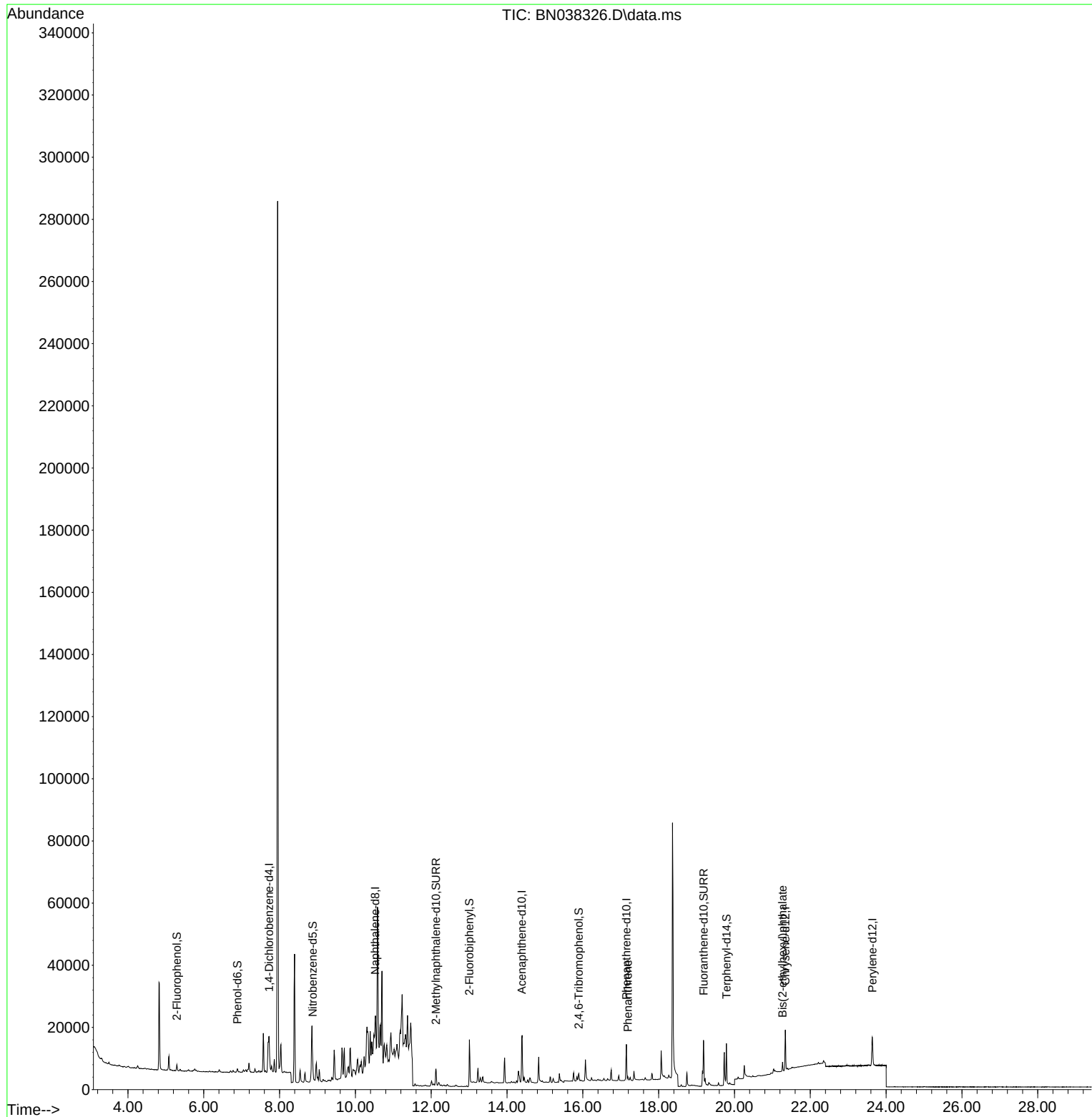
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5312	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	14704	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8122	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	14757	0.400	ng	0.00
29) Chrysene-d12	21.340	240	12246	0.400	ng	0.00
35) Perylene-d12	23.636	264	12457	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1583	0.120	ng	0.00
5) Phenol-d6	6.887	99	1101	0.070	ng	0.00
8) Nitrobenzene-d5	8.875	82	4197	0.338	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	6672	0.322	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1368	0.380	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	12194	0.312	ng	0.00
27) Fluoranthene-d10	19.183	212	14543	0.398	ng	0.00
31) Terphenyl-d14	19.787	244	11162	0.408	ng	0.00
Target Compounds						
25) Phenanthrene	17.186	178	1265	0.025	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.268	149	2769	0.107	ng	# 96

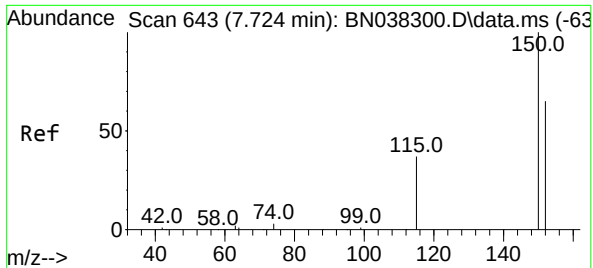
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038326.D
Acq On : 11 Dec 2025 20:16
Operator : RC/JU
Sample : Q3788-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

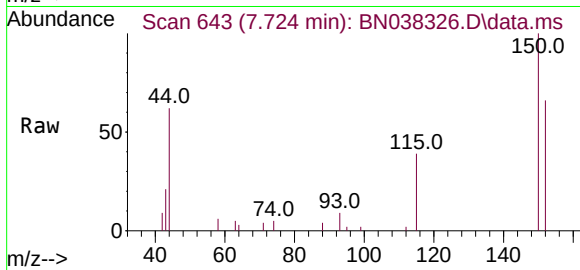
Quant Time: Dec 12 00:11:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



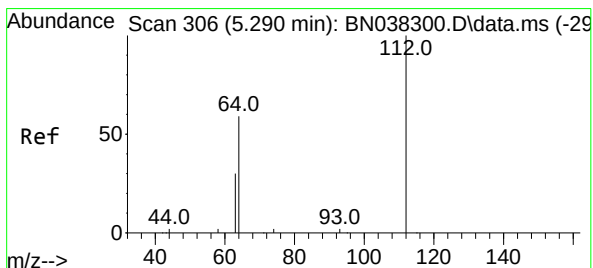
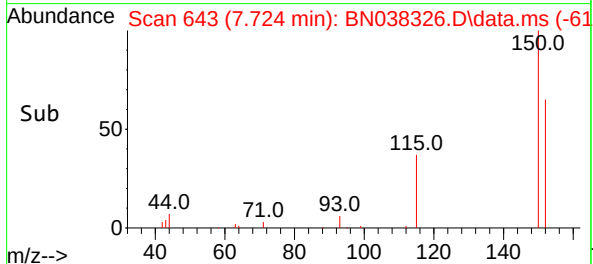
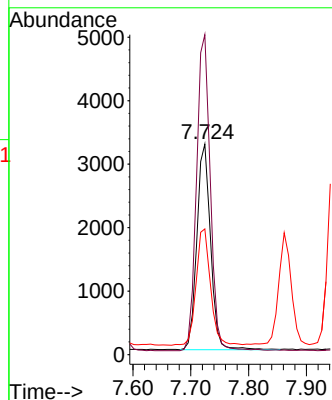


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

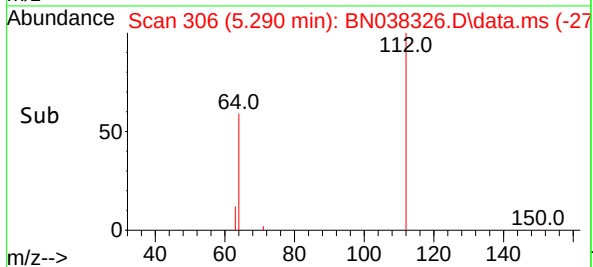
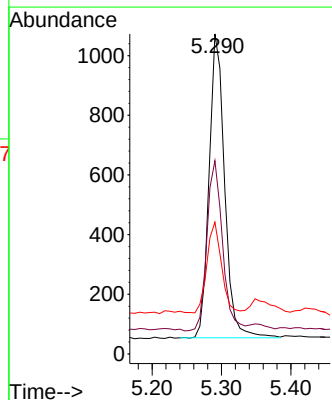
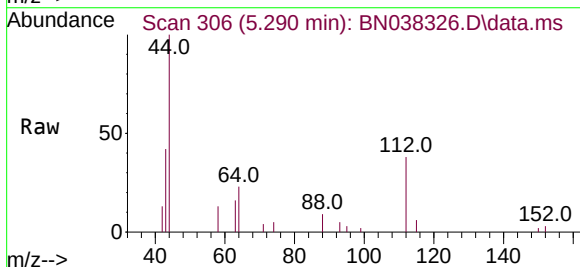


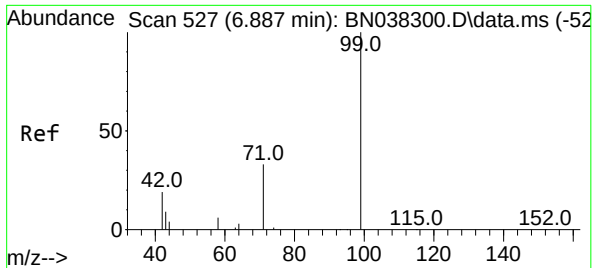
Tgt Ion:152 Resp: 5312
Ion Ratio Lower Upper
152 100
150 152.0 122.4 183.6
115 59.7 47.3 70.9



#4
2-Fluorophenol
Concen: 0.120 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Tgt Ion:112 Resp: 1583
Ion Ratio Lower Upper
112 100
64 56.5 44.4 66.6
63 29.0 23.4 35.0

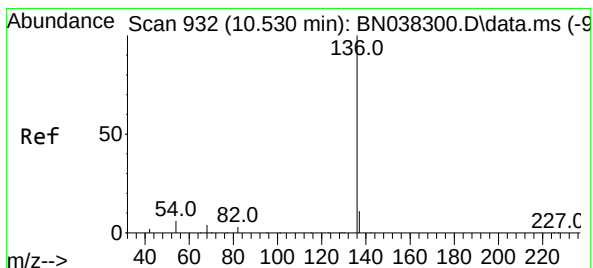
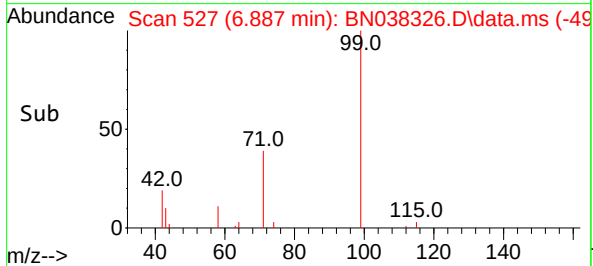
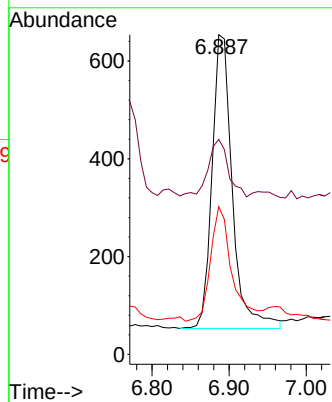
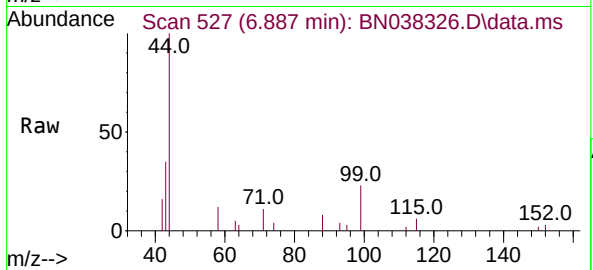




#5
Phenol-d6
Concen: 0.070 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

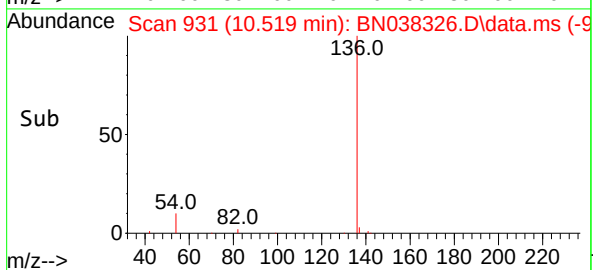
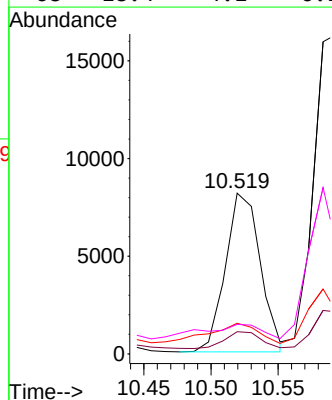
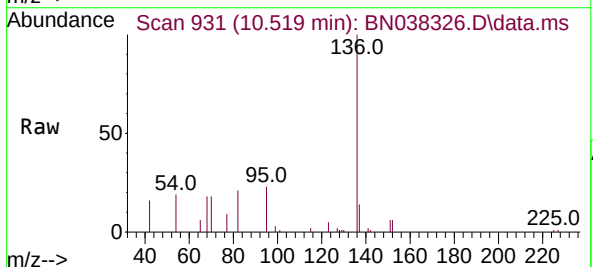
Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

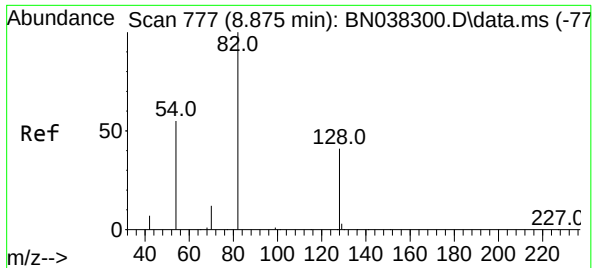
Tgt Ion: 99 Resp: 1101
Ion Ratio Lower Upper
99 100
42 19.4 16.5 24.7
71 40.4 24.9 37.3#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Tgt Ion: 136 Resp: 14704
Ion Ratio Lower Upper
136 100
137 13.8 9.1 13.7#
54 19.1 5.2 7.8#
68 18.4 4.1 6.1#

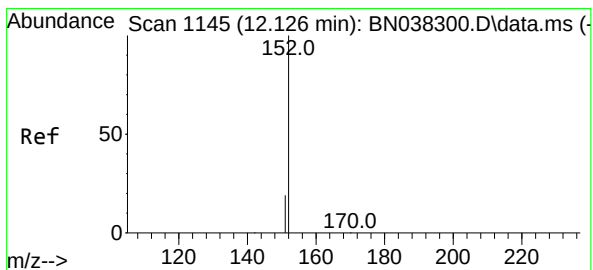
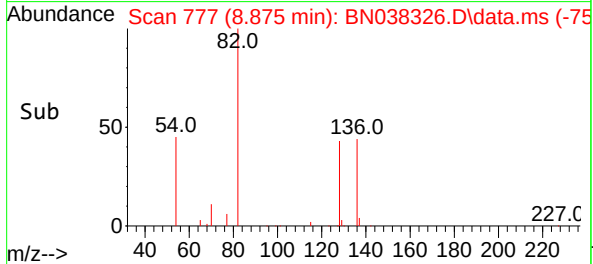
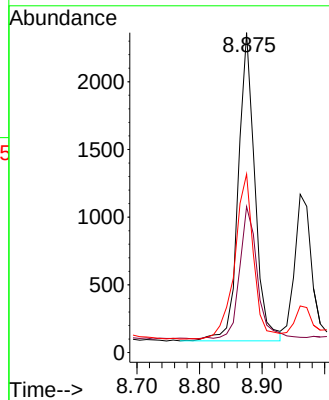
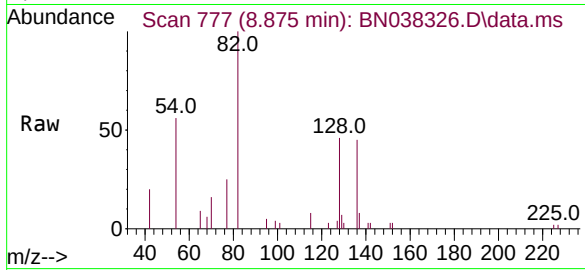




#8
Nitrobenzene-d5
Concen: 0.338 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

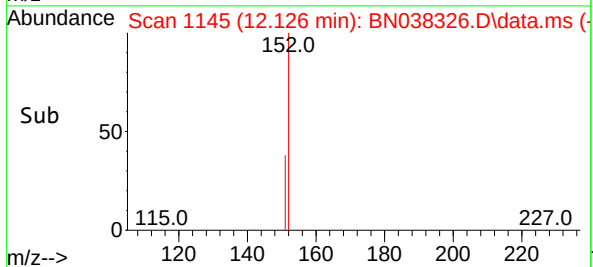
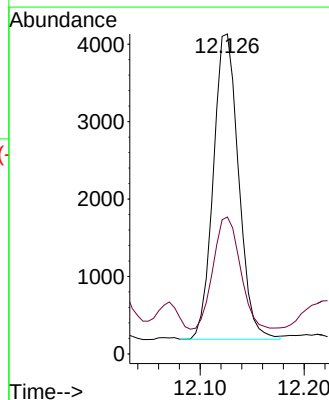
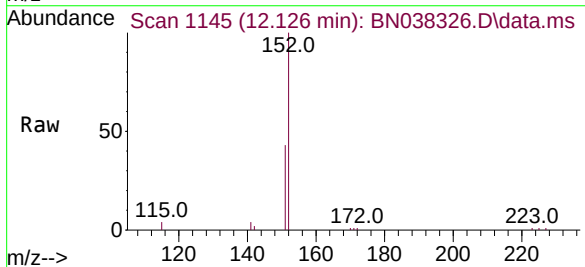
Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

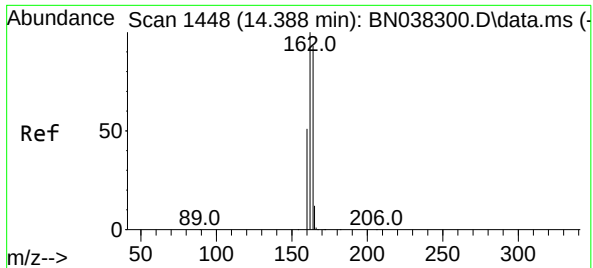
Tgt Ion:	82	Resp:	4197
Ion Ratio	Lower	Upper	
82	100		
128	45.6	34.0	51.0
54	55.8	44.4	66.6



#11
2-Methylnaphthalene-d10
Concen: 0.322 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

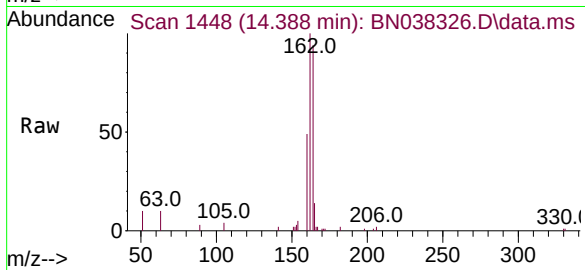
Tgt Ion:	152	Resp:	6672
Ion Ratio	Lower	Upper	
152	100		
151	39.3	17.0	25.6#



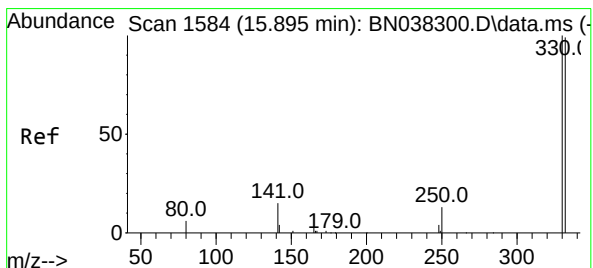
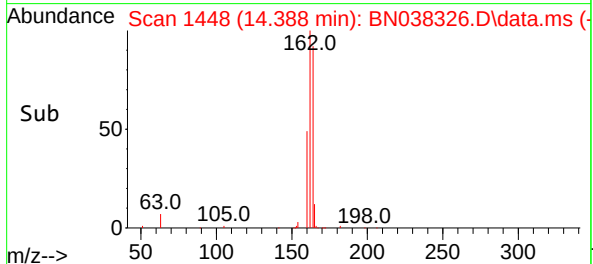
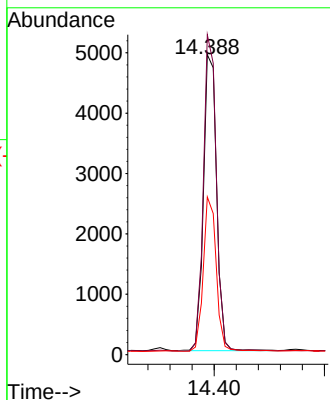


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

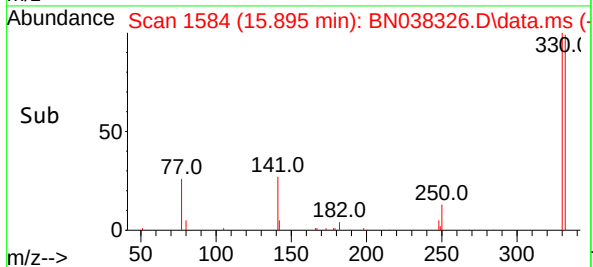
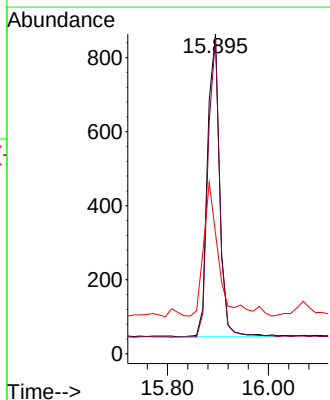
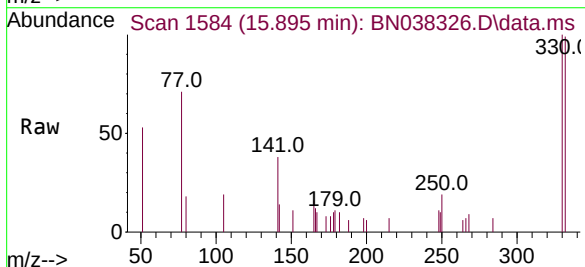


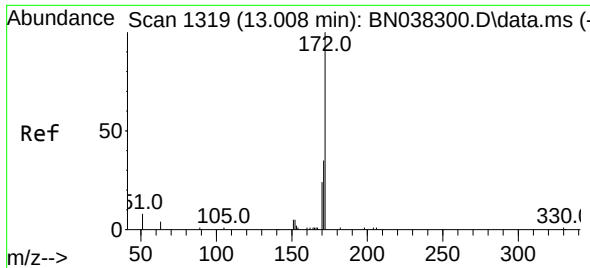
Tgt Ion:164 Resp: 8122
Ion Ratio Lower Upper
164 100
162 106.7 86.2 129.4
160 52.6 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.380 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Tgt Ion:330 Resp: 1368
Ion Ratio Lower Upper
330 100
332 95.8 75.8 113.6
141 55.1 31.8 47.8#

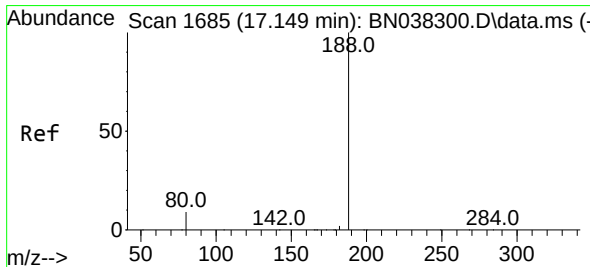
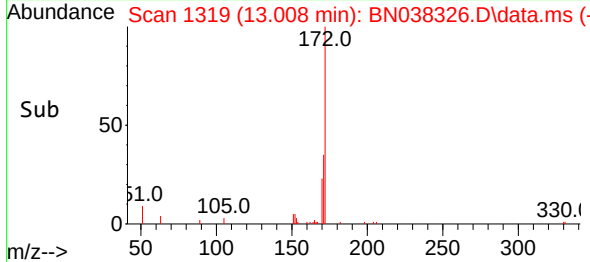
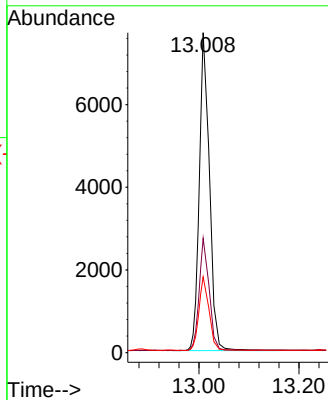
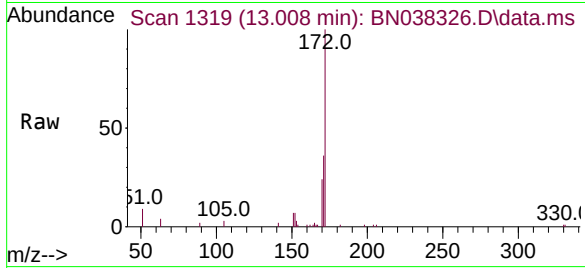




#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

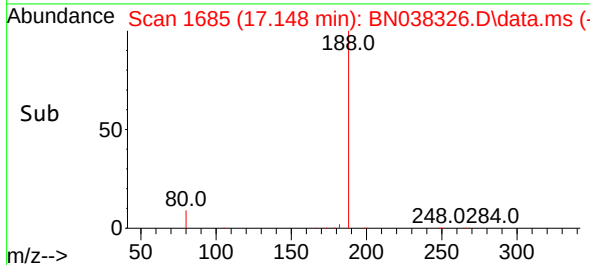
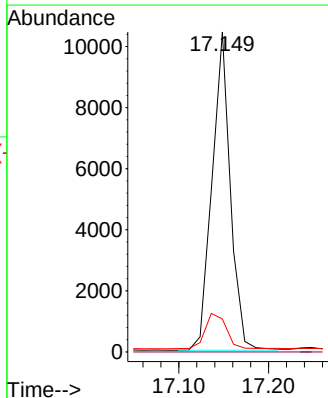
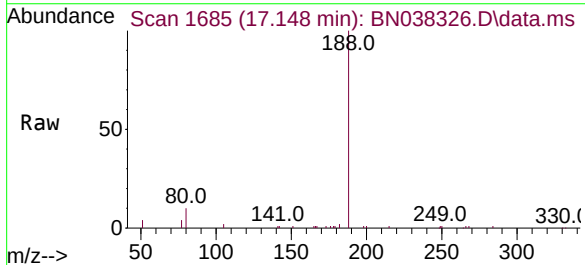
Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

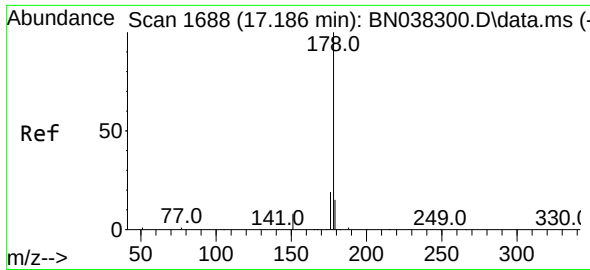
Tgt Ion:	172	Resp:	12194
Ion Ratio	Lower	Upper	
172	100		
171	35.7	28.6	42.8
170	23.7	19.3	28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Tgt Ion:	188	Resp:	14757
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.3	7.4	11.0

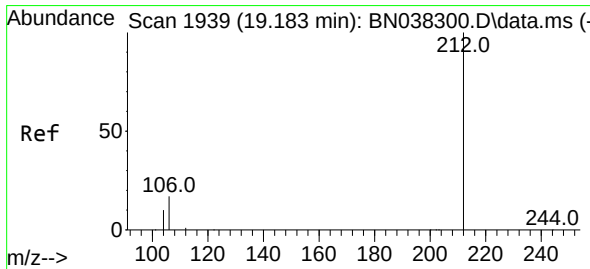
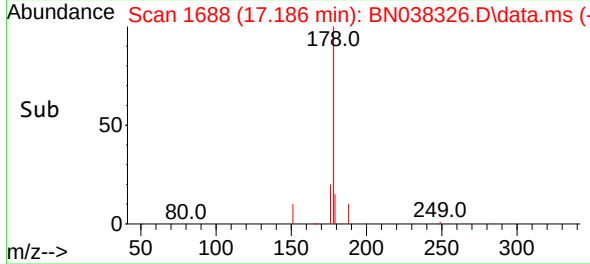
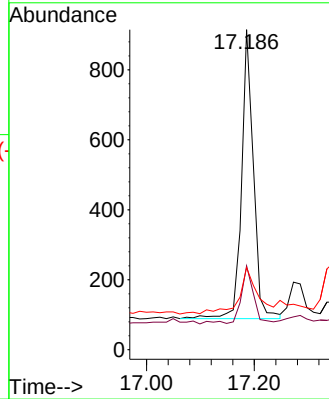
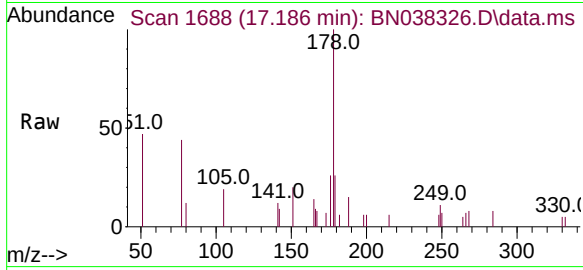




#25
Phenanthrene
Concen: 0.025 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

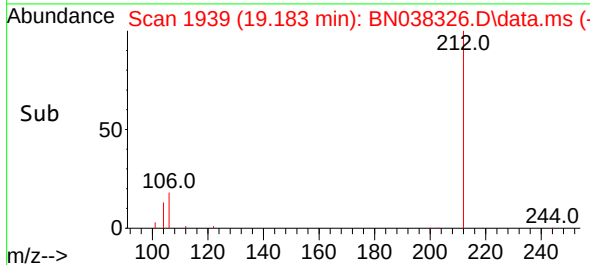
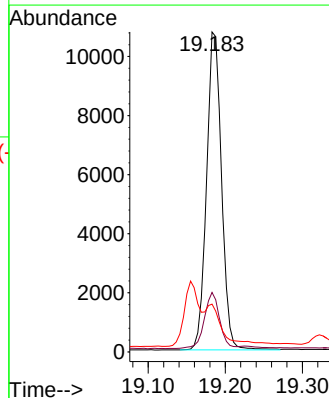
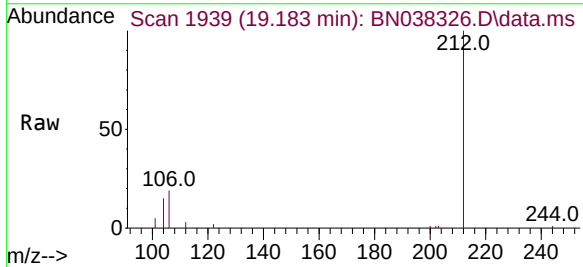
Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

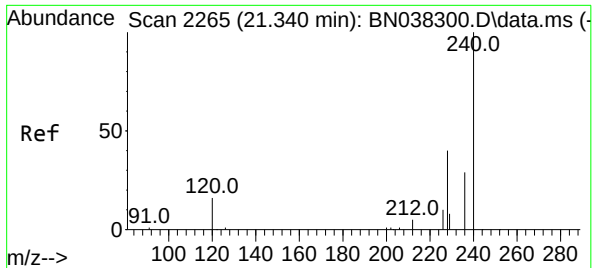
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.5	23.3
179	25.3	12.2	18.2



#27
Fluoranthene-d10
Concen: 0.398 ng
RT: 19.183 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Tgt Ion	Ratio	Lower	Upper
212	100		
106	17.9	13.7	20.5
104	0.0	7.8	11.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038326.D

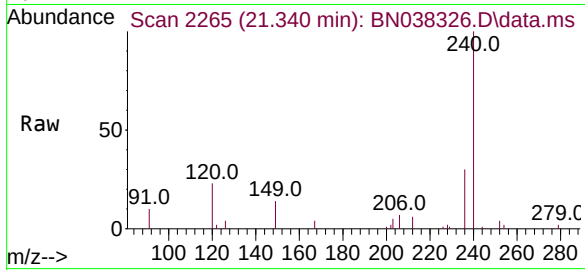
Acq: 11 Dec 2025 20:16

Instrument :

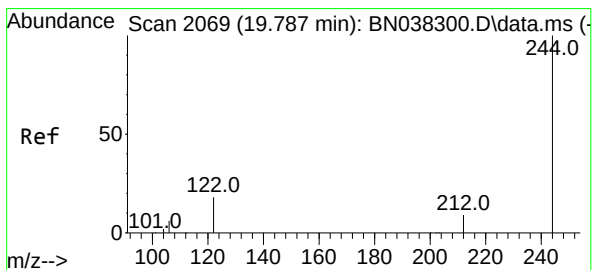
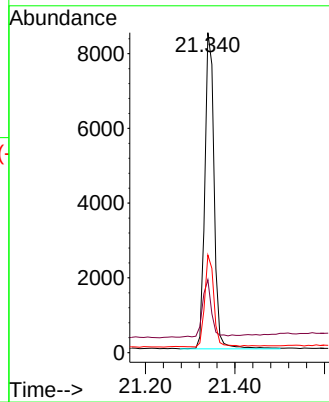
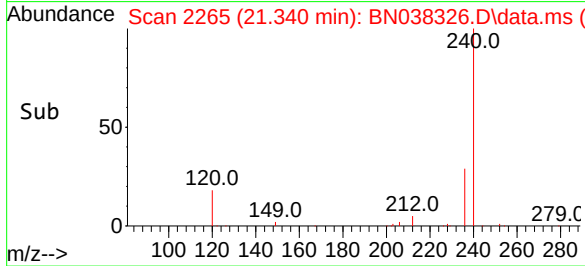
BNA_N

ClientSampleId :

MW-16B-87.5-120525



Tgt Ion:	240	Resp:	12246
Ion Ratio	Lower	Upper	
240	100		
120	22.8	15.4	23.2
236	30.5	23.9	35.9



#31

Terphenyl-d14

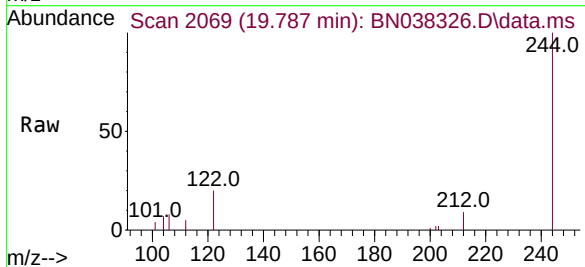
Concen: 0.408 ng

RT: 19.787 min Scan# 2069

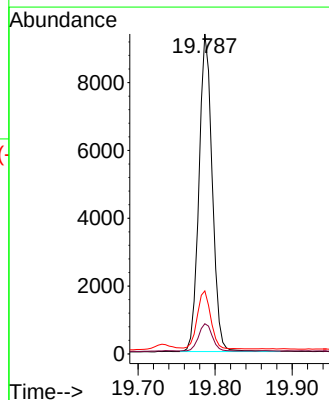
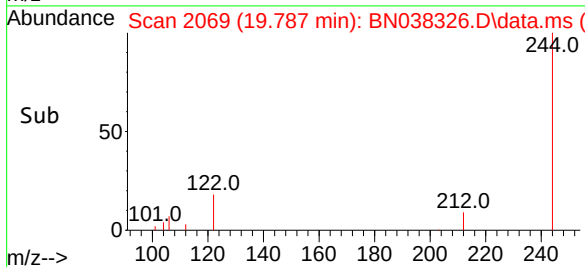
Delta R.T. -0.005 min

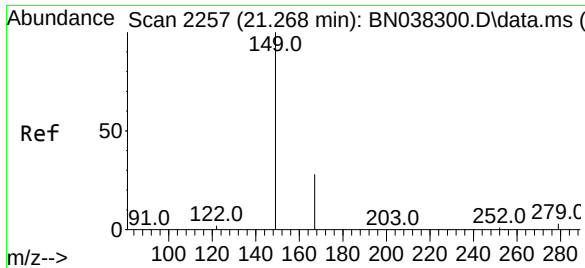
Lab File: BN038326.D

Acq: 11 Dec 2025 20:16



Tgt Ion:	244	Resp:	11162
Ion Ratio	Lower	Upper	
244	100		
212	9.4	7.9	11.9
122	19.7	15.0	22.6

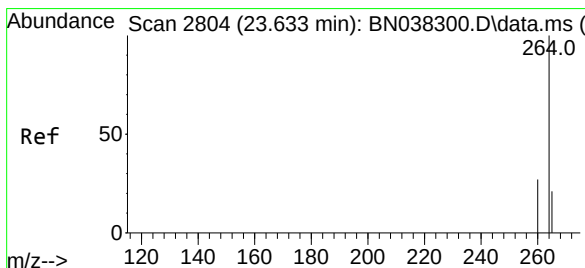
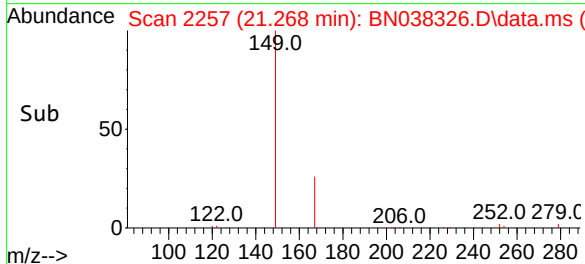
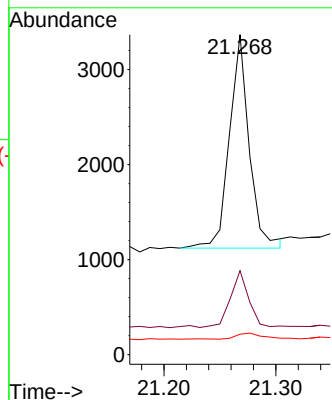
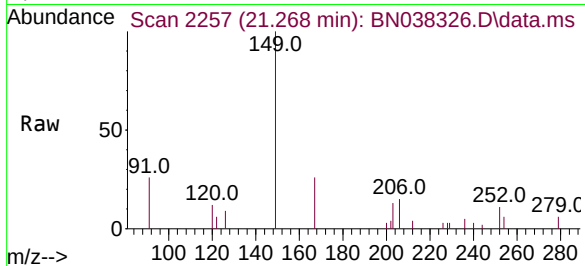




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.107 ng
RT: 21.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

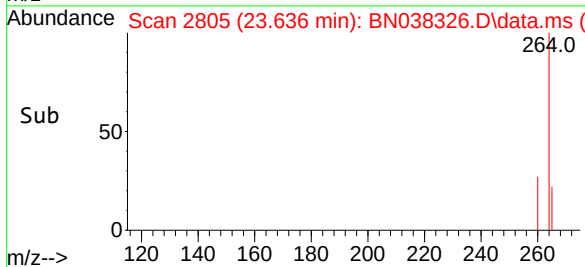
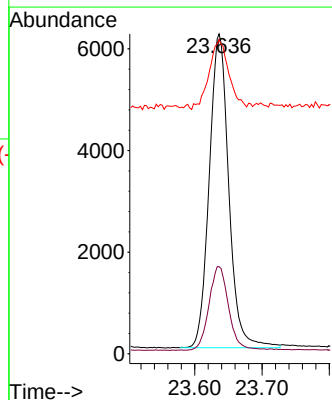
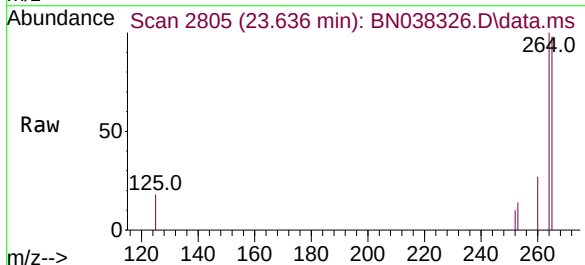
Instrument :
BNA_N
ClientSampleId :
MW-16B-87.5-120525

Tgt Ion:149 Resp: 2769
Ion Ratio Lower Upper
149 100
167 24.8 21.4 32.0
279 4.0 2.4 3.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.636 min Scan# 2805
Delta R.T. 0.003 min
Lab File: BN038326.D
Acq: 11 Dec 2025 20:16

Tgt Ion:264 Resp: 12457
Ion Ratio Lower Upper
264 100
260 27.3 22.2 33.2
265 98.2 80.2 120.2



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038312.D
Acq On : 11 Dec 2025 11:49
Operator : RC/JU
Sample : PB170850BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170850BL

Quant Time: Dec 11 12:18:30 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	6927	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	17922	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	8615	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	14660	0.400	ng	# 0.00
29) Chrysene-d12	21.348	240	9357	0.400	ng	0.00
35) Perylene-d12	23.642	264	9320	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.298	112	6513	0.378	ng	0.00
5) Phenol-d6	6.894	99	7234	0.353	ng	0.00
8) Nitrobenzene-d5	8.875	82	6016	0.398	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	9148	0.362	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	576	0.151	ng	0.00
15) 2-Fluorobiphenyl	13.019	172	15599	0.376	ng	0.01
27) Fluoranthene-d10	19.187	212	12817	0.354	ng	0.00
31) Terphenyl-d14	19.791	244	9454	0.453	ng	0.00

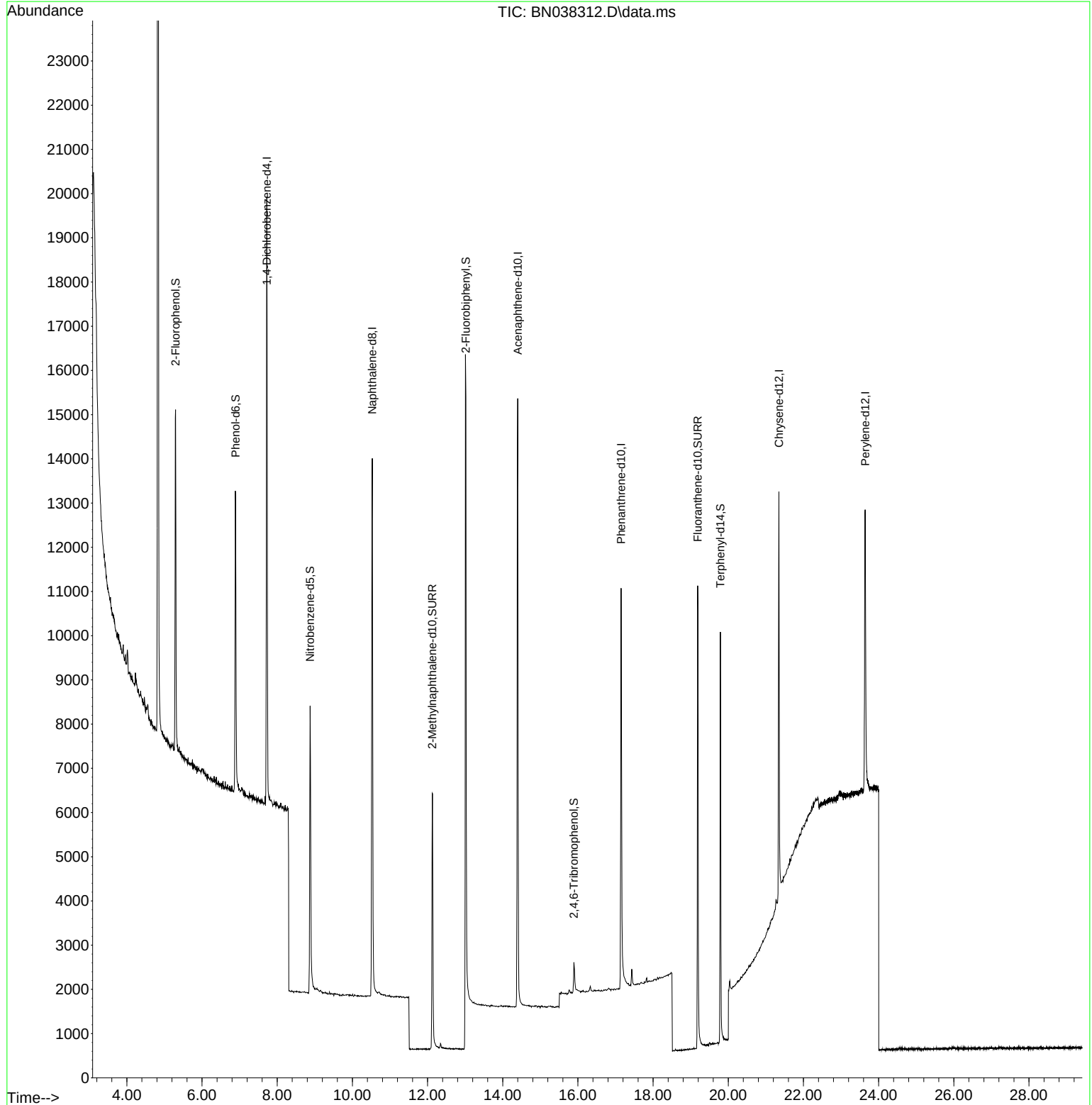
Target Compounds Qvalue

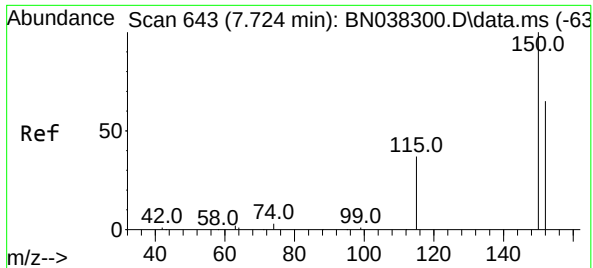
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038312.D
Acq On : 11 Dec 2025 11:49
Operator : RC/JU
Sample : PB170850BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB170850BL

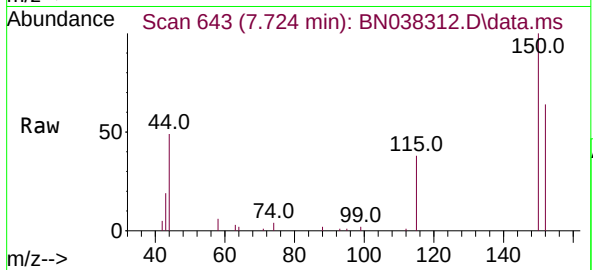
Quant Time: Dec 11 12:18:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration



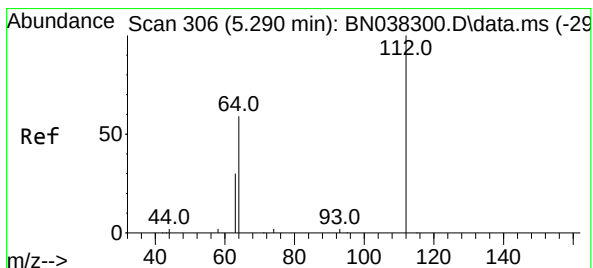
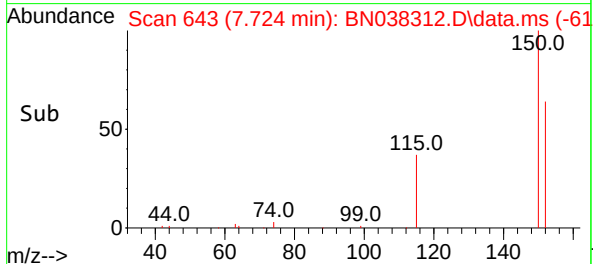
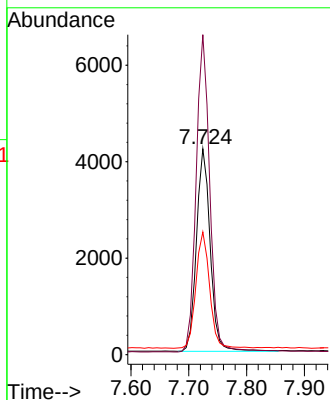


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Instrument :
BNA_N
ClientSampleId :
PB170850BL

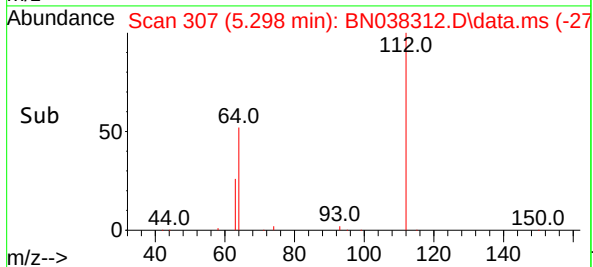
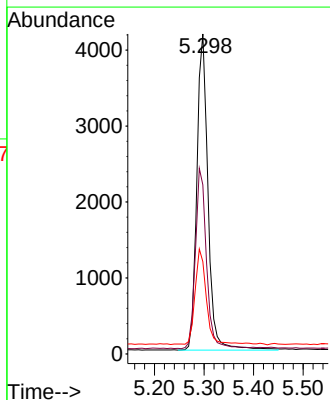
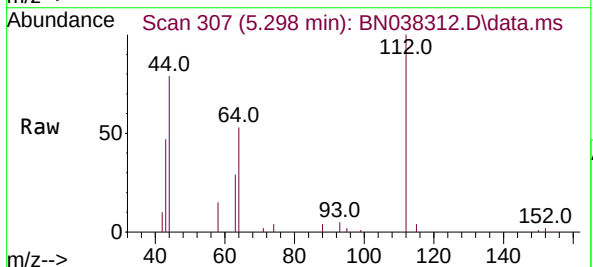


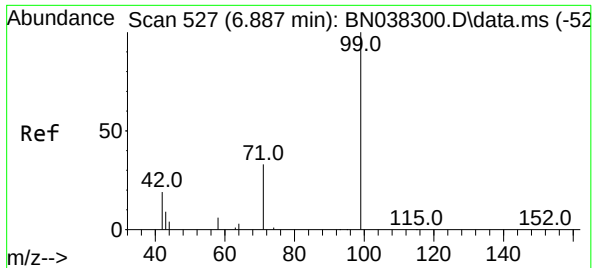
Tgt Ion:152 Resp: 6927
Ion Ratio Lower Upper
152 100
150 155.5 122.4 183.6
115 59.6 47.3 70.9



#4
2-Fluorophenol
Concen: 0.378 ng
RT: 5.298 min Scan# 307
Delta R.T. 0.007 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

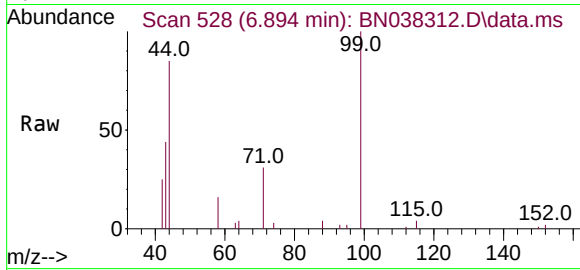
Tgt Ion:112 Resp: 6513
Ion Ratio Lower Upper
112 100
64 57.0 44.4 66.6
63 31.5 23.4 35.0



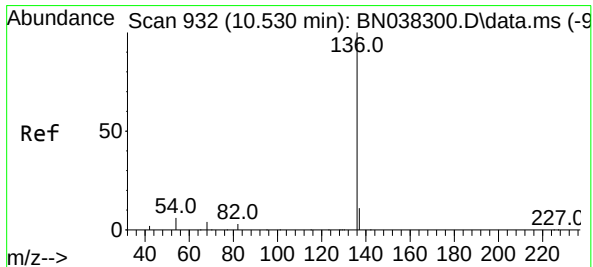
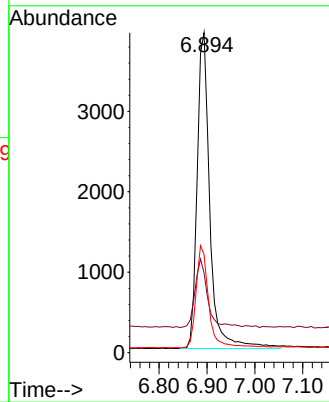
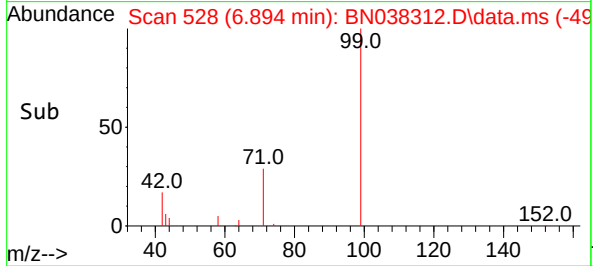


#5
Phenol-d6
Concen: 0.353 ng
RT: 6.894 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Instrument :
BNA_N
ClientSampleId :
PB170850BL

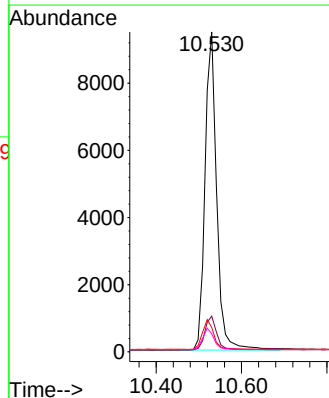
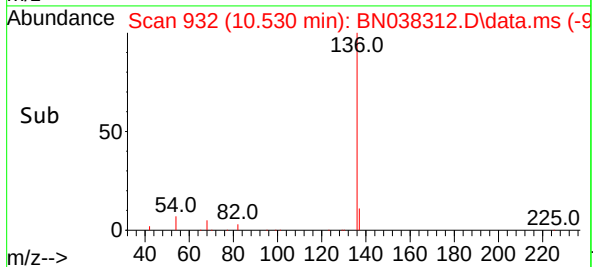
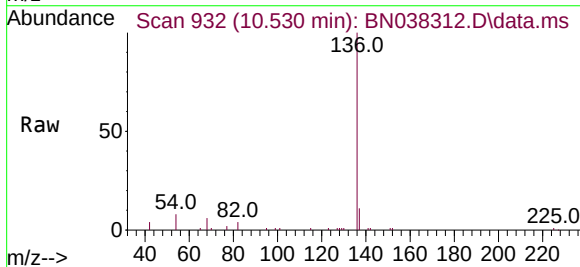


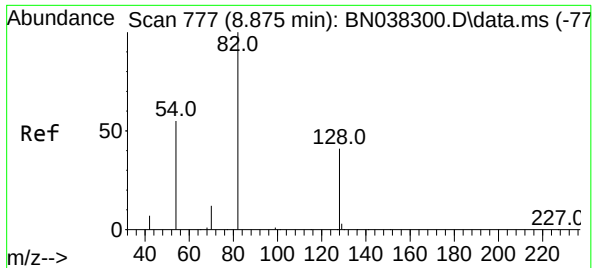
Tgt Ion:	99	Resp:	7234
Ion	Ratio	Lower	Upper
99	100		
42	21.4	16.5	24.7
71	32.7	24.9	37.3



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion:	136	Resp:	17922
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.6	5.2	7.8
68	5.7	4.1	6.1

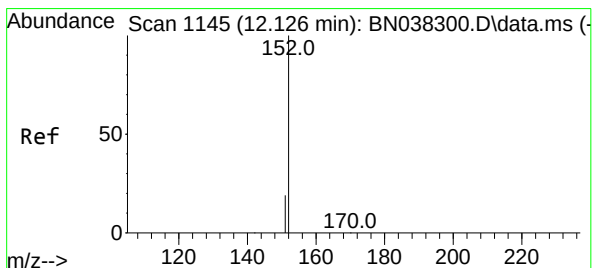
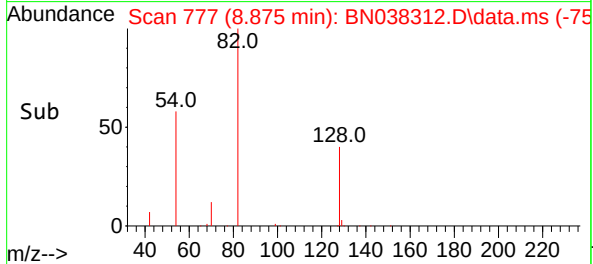
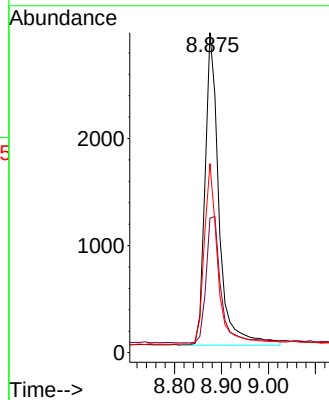
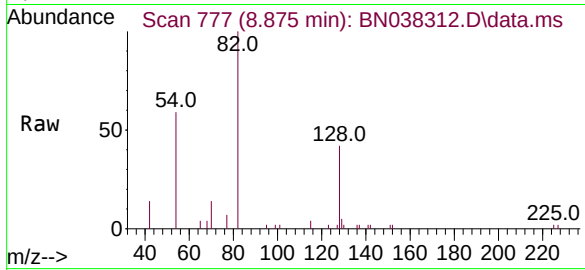




#8
Nitrobenzene-d5
Concen: 0.398 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

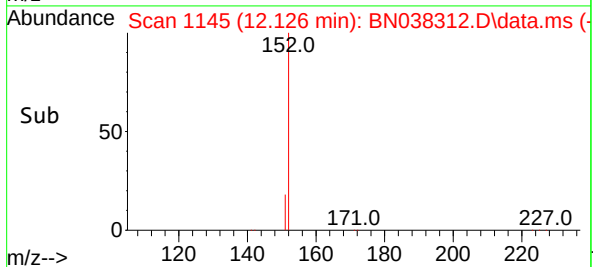
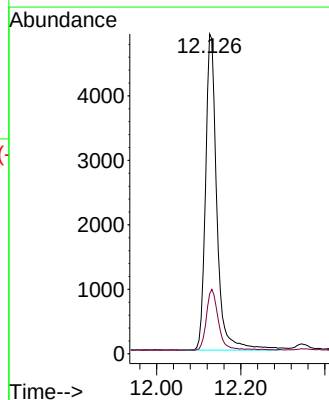
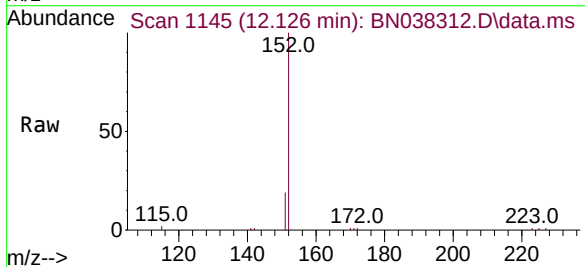
Instrument :
BNA_N
ClientSampleId :
PB170850BL

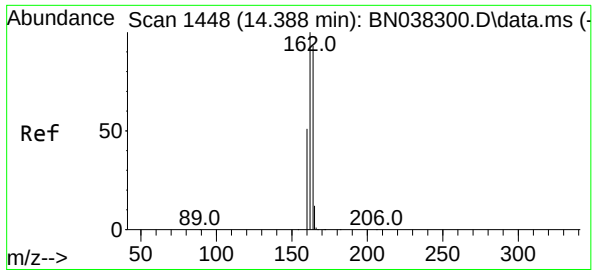
Tgt Ion	82	Resp:	6016
Ion Ratio	Lower	Upper	
82	100		
128	42.0	34.0	51.0
54	59.1	44.4	66.6



#11
2-Methylnaphthalene-d10
Concen: 0.362 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

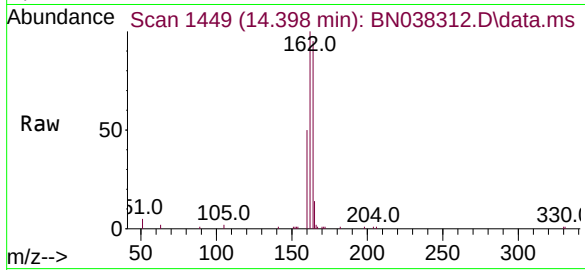
Tgt Ion	152	Resp:	9148
Ion Ratio	Lower	Upper	
152	100		
151	20.3	17.0	25.6



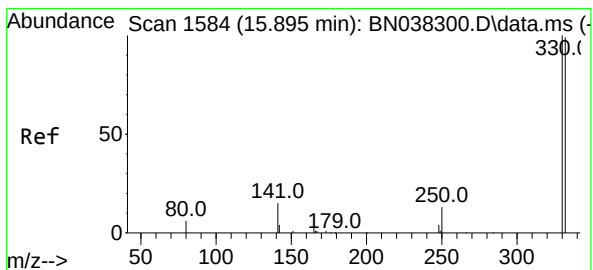
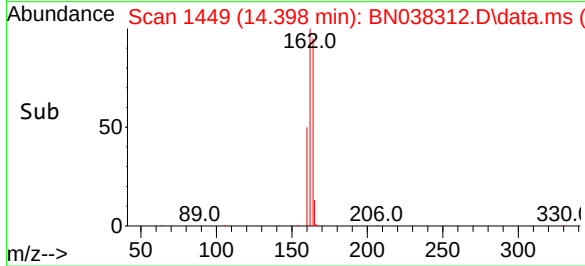
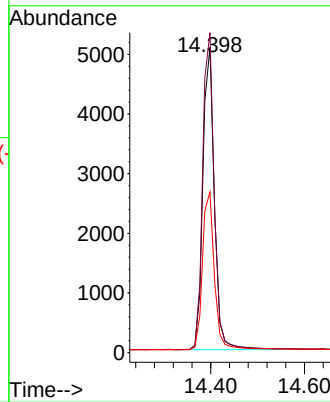


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Instrument :
BNA_N
ClientSampleId :
PB170850BL

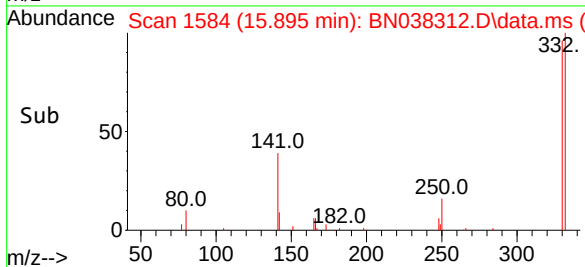
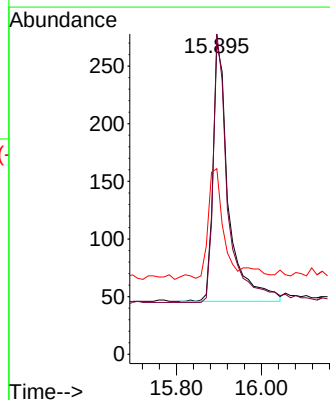
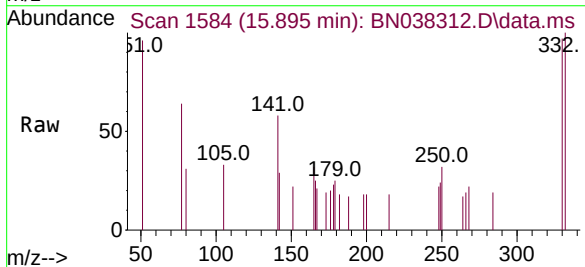


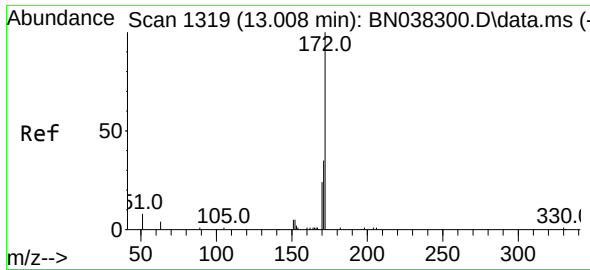
Tgt Ion:164 Resp: 8615
Ion Ratio Lower Upper
164 100
162 104.8 86.2 129.4
160 52.6 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.151 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion:330 Resp: 576
Ion Ratio Lower Upper
330 100
332 98.1 75.8 113.6
141 39.2 31.8 47.8

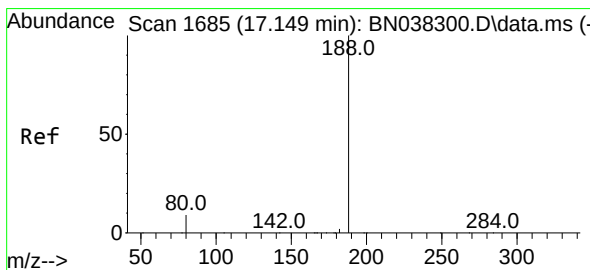
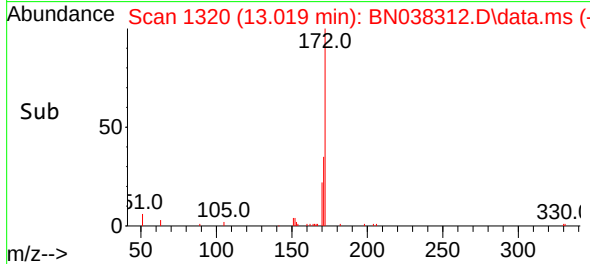
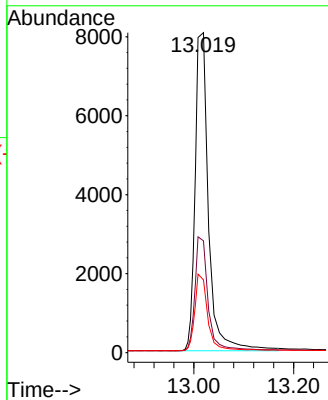
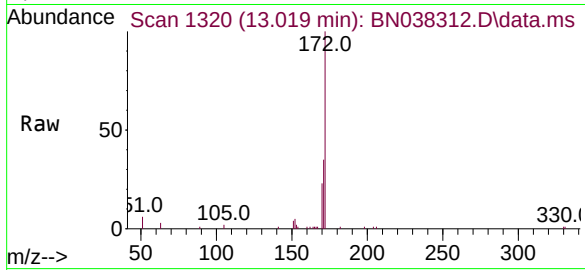




#15
2-Fluorobiphenyl
Concen: 0.376 ng
RT: 13.019 min Scan# 1319
Delta R.T. 0.011 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

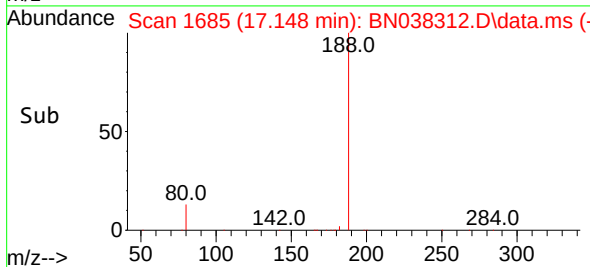
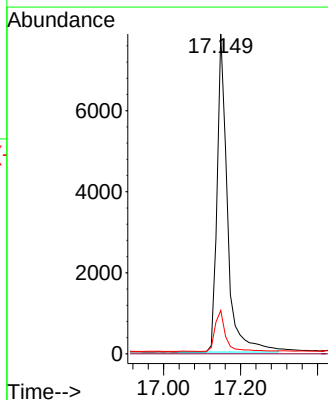
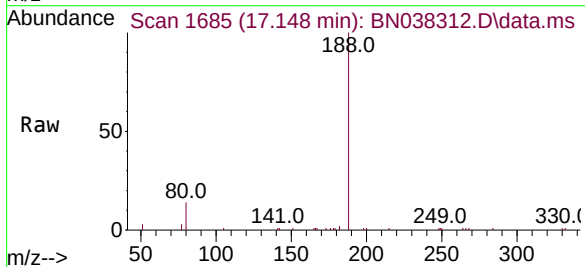
Instrument :
BNA_N
ClientSampleId :
PB170850BL

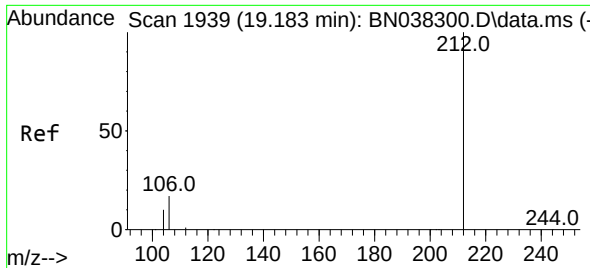
Tgt Ion:	172	Resp:	15599
Ion Ratio	Lower	Upper	
172	100		
171	34.9	28.6	42.8
170	22.7	19.3	28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion:	188	Resp:	14660
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	13.6	7.4	11.0

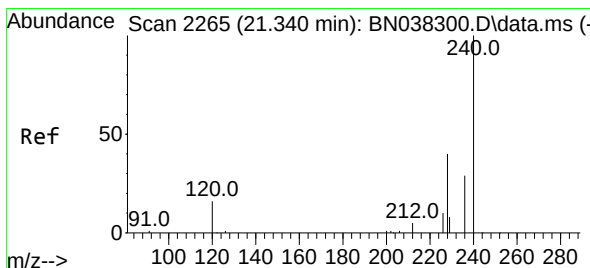
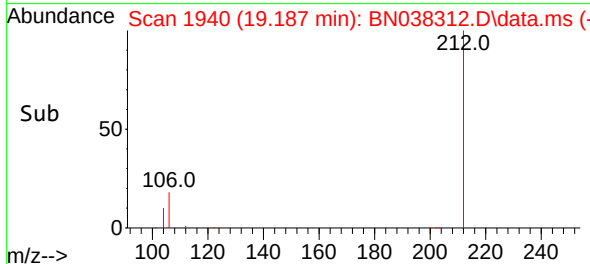
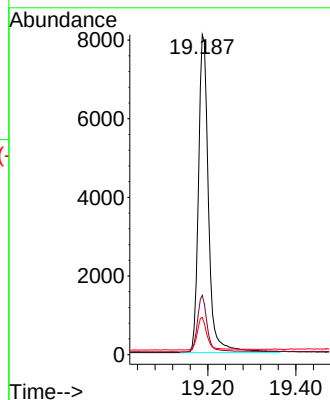
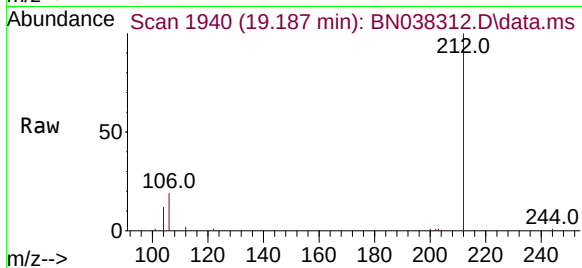




#27
Fluoranthene-d10
Concen: 0.354 ng
RT: 19.187 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

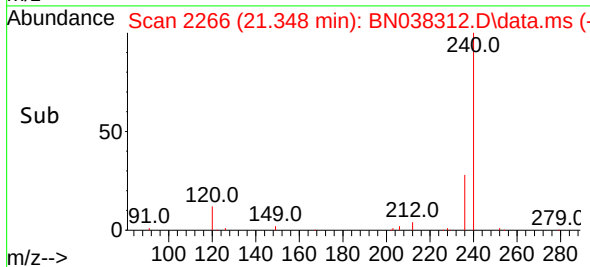
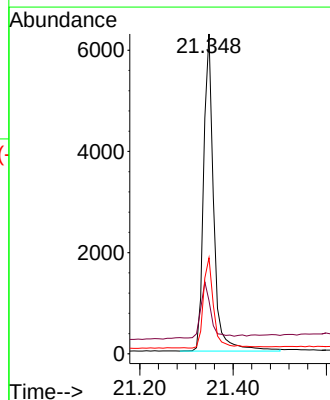
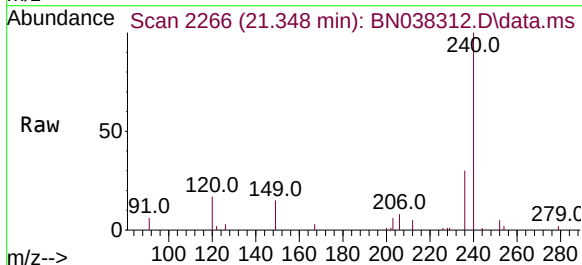
Instrument :
BNA_N
ClientSampleId :
PB170850BL

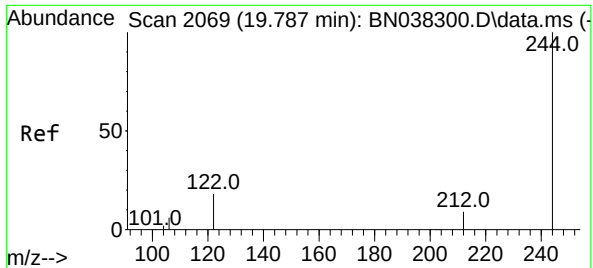
Tgt Ion	Ratio	Lower	Upper
212	100		
106	17.2	13.7	20.5
104	9.8	7.8	11.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.348 min Scan# 2266
Delta R.T. 0.009 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.6	15.4	23.2
236	30.0	23.9	35.9

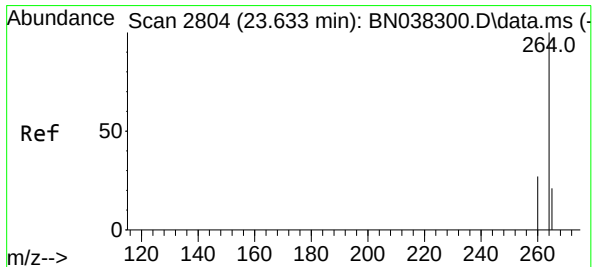
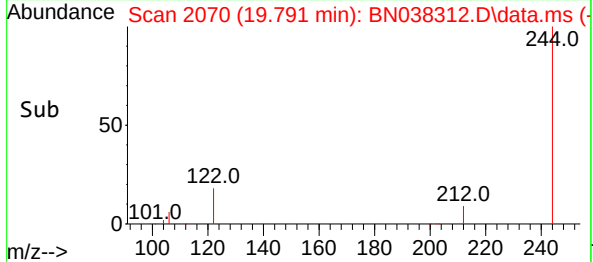
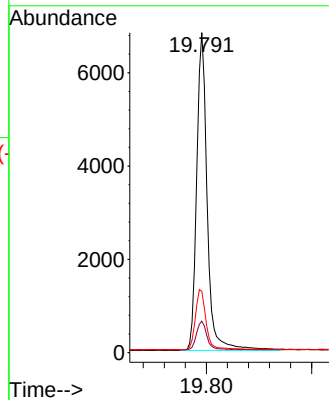
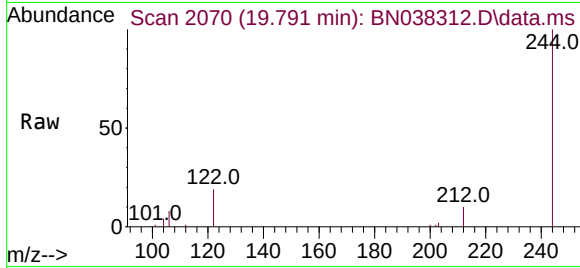




#31
Terphenyl-d14
Concen: 0.453 ng
RT: 19.791 min Scan# 2069
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

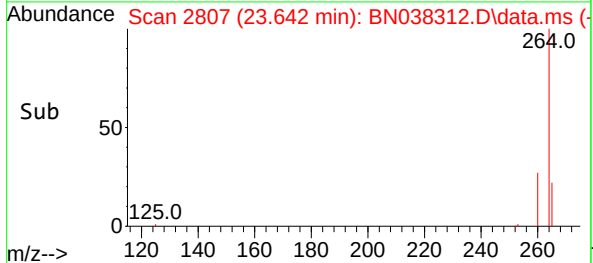
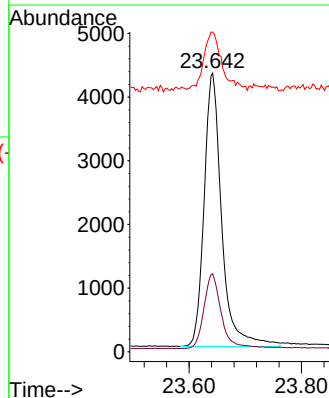
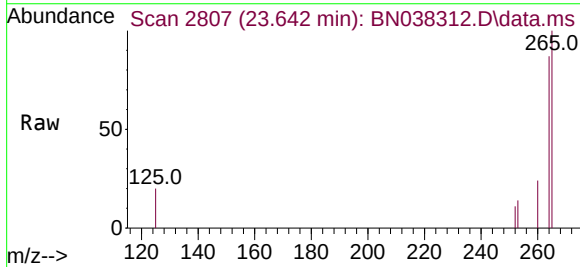
Instrument :
BNA_N
ClientSampleId :
PB170850BL

Tgt Ion:244	Resp:	9454
Ion Ratio	Lower	Upper
244	100	
212	9.8	7.9 11.9
122	19.2	15.0 22.6



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.642 min Scan# 2807
Delta R.T. 0.009 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion:264	Resp:	9320
Ion Ratio	Lower	Upper
264	100	
260	28.0	22.2 33.2
265	114.6	80.2 120.2



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
 Data File : BN038327.D
 Acq On : 11 Dec 2025 20:52
 Operator : RC/JU
 Sample : PB170850BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

PB170850BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/12/2025

Supervised By :Jagrut Upadhyay 12/12/2025

Quant Time: Dec 12 00:11:20 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	6134	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	16248	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	7966	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	13383	0.400	ng	0.00
29) Chrysene-d12	21.340	240	8501	0.400	ng	0.00
35) Perylene-d12	23.636	264	8673	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.298	112	5824	0.381	ng	0.00
5) Phenol-d6	6.887	99	6623	0.365	ng	0.00
8) Nitrobenzene-d5	8.875	82	5441	0.397	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	8818m	0.385	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1039	0.294	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	15324	0.399	ng	0.00
27) Fluoranthene-d10	19.187	212	11096	0.335	ng	0.00
31) Terphenyl-d14	19.787	244	8478	0.447	ng	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.196	88	2141	0.304	ng	# 51
3) n-Nitrosodimethylamine	3.507	42	2899	0.329	ng	# 93
6) bis(2-Chloroethyl)ether	7.147	93	6069	0.342	ng	99
9) Naphthalene	10.573	128	16393	0.341	ng	99
10) Hexachlorobutadiene	10.872	225	2856	0.335	ng	# 100
12) 2-Methylnaphthalene	12.197	142	9615	0.315	ng	100
16) Acenaphthylene	14.110	152	14728	0.377	ng	99
17) Acenaphthene	14.452	154	8945	0.328	ng	98
18) Fluorene	15.446	166	11710	0.334	ng	98
20) 4,6-Dinitro-2-methylph...	15.535	198	148	0.067	ng	# 1
21) 4-Bromophenyl-phenylether	16.342	248	3314	0.334	ng	99
22) Hexachlorobenzene	16.453	284	4092	0.343	ng	99
23) Atrazine	16.615	200	2251	0.332	ng	98
25) Phenanthrene	17.186	178	16441	0.353	ng	99
26) Anthracene	17.285	178	14080	0.351	ng	99
28) Fluoranthene	19.215	202	15743	0.318	ng	100
30) Pyrene	19.578	202	16009	0.383	ng	100
32) Benzo(a)anthracene	21.331	228	11570	0.352	ng	97
33) Chrysene	21.375	228	12660	0.350	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	6131	0.340	ng	100
36) Indeno(1,2,3-cd)pyrene	25.963	276	17487	0.380	ng	100
37) Benzo(b)fluoranthene	22.940	252	12646	0.317	ng	93
38) Benzo(k)fluoranthene	22.990	252	12767	0.321	ng	# 93
39) Benzo(a)pyrene	23.531	252	11625	0.357	ng	96
40) Dibenzo(a,h)anthracene	25.978	278	13434	0.379	ng	96
41) Benzo(g,h,i)perylene	26.671	276	15211	0.384	ng	99

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

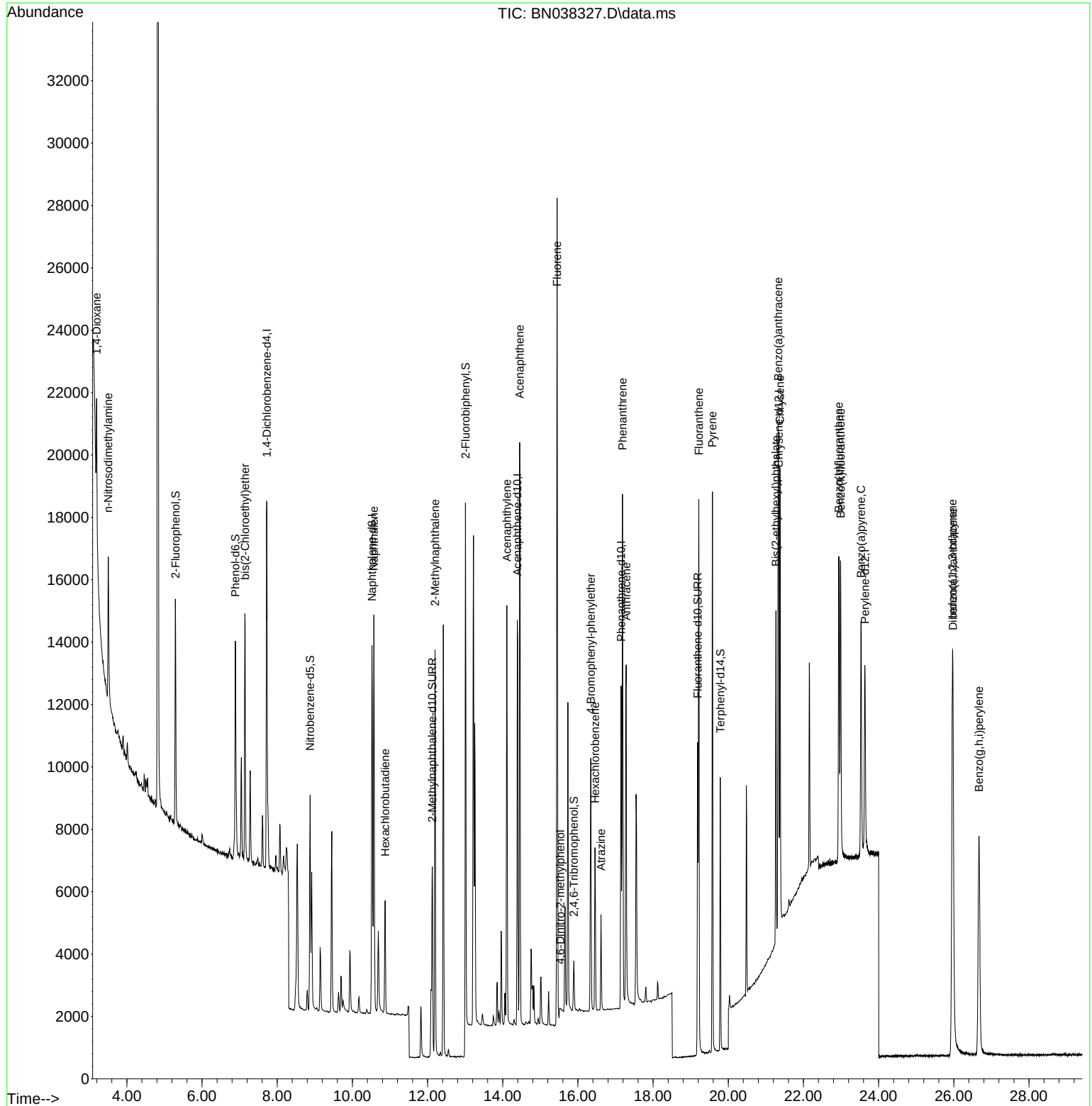
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
 Data File : BN038327.D
 Acq On : 11 Dec 2025 20:52
 Operator : RC/JU
 Sample : PB170850BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB170850BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 12/12/2025
 Supervised By :Jagrut Upadhyay 12/12/2025

Quant Time: Dec 12 00:11:20 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



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
 Data File : BN038335.D
 Acq On : 12 Dec 2025 03:01
 Operator : RC/JU
 Sample : Q3788-02MS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OWBR-05-135-120525MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 12/12/2025
 Supervised By :Jagrut Upadhyay 12/12/2025

Quant Time: Dec 12 04:17:55 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	5363	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	14242	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	7200	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	12520	0.400	ng	0.00
29) Chrysene-d12	21.340	240	10004	0.400	ng	0.00
35) Perylene-d12	23.630	264	10310	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1827	0.137	ng	0.00
5) Phenol-d6	6.887	99	1365	0.086	ng	0.00
8) Nitrobenzene-d5	8.875	82	3902	0.325	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	5755m	0.286	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1075	0.337	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	10973	0.316	ng	0.00
27) Fluoranthene-d10	19.183	212	11511	0.372	ng	0.00
31) Terphenyl-d14	19.787	244	8998	0.403	ng	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.189	88	185065	30.095	ng	99
3) n-Nitrosodimethylamine	3.507	42	1296	0.168	ng	# 93
6) bis(2-Chloroethyl)ether	7.139	93	4819	0.310	ng	99
9) Naphthalene	10.573	128	12510	0.297	ng	99
10) Hexachlorobutadiene	10.872	225	1674	0.224	ng	# 99
12) 2-Methylnaphthalene	12.197	142	7272	0.272	ng	99
16) Acenaphthylene	14.110	152	11857	0.335	ng	99
17) Acenaphthene	14.452	154	7266	0.295	ng	98
18) Fluorene	15.446	166	10092	0.318	ng	100
20) 4,6-Dinitro-2-methylph...	15.523	198	249	0.121	ng	# 1
21) 4-Bromophenyl-phenylether	16.342	248	3023	0.325	ng	99
22) Hexachlorobenzene	16.453	284	3353	0.300	ng	100
23) Atrazine	16.615	200	2415	0.381	ng	98
24) Pentachlorophenol	16.801	266	952	0.218	ng	97
25) Phenanthrene	17.186	178	15088	0.346	ng	99
26) Anthracene	17.273	178	13455	0.358	ng	99
28) Fluoranthene	19.215	202	16027	0.346	ng	98
30) Pyrene	19.578	202	16438	0.334	ng	100
32) Benzo(a)anthracene	21.322	228	14202	0.367	ng	100
33) Chrysene	21.375	228	15360	0.361	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	8030	0.379	ng	100
36) Indeno(1,2,3-cd)pyrene	25.955	276	19101	0.349	ng	99
37) Benzo(b)fluoranthene	22.937	252	15794	0.334	ng	96
38) Benzo(k)fluoranthene	22.984	252	16324	0.346	ng	97
39) Benzo(a)pyrene	23.528	252	14075	0.363	ng	97
40) Dibenzo(a,h)anthracene	25.975	278	15029	0.356	ng	98
41) Benzo(g,h,i)perylene	26.665	276	16492	0.350	ng	99

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

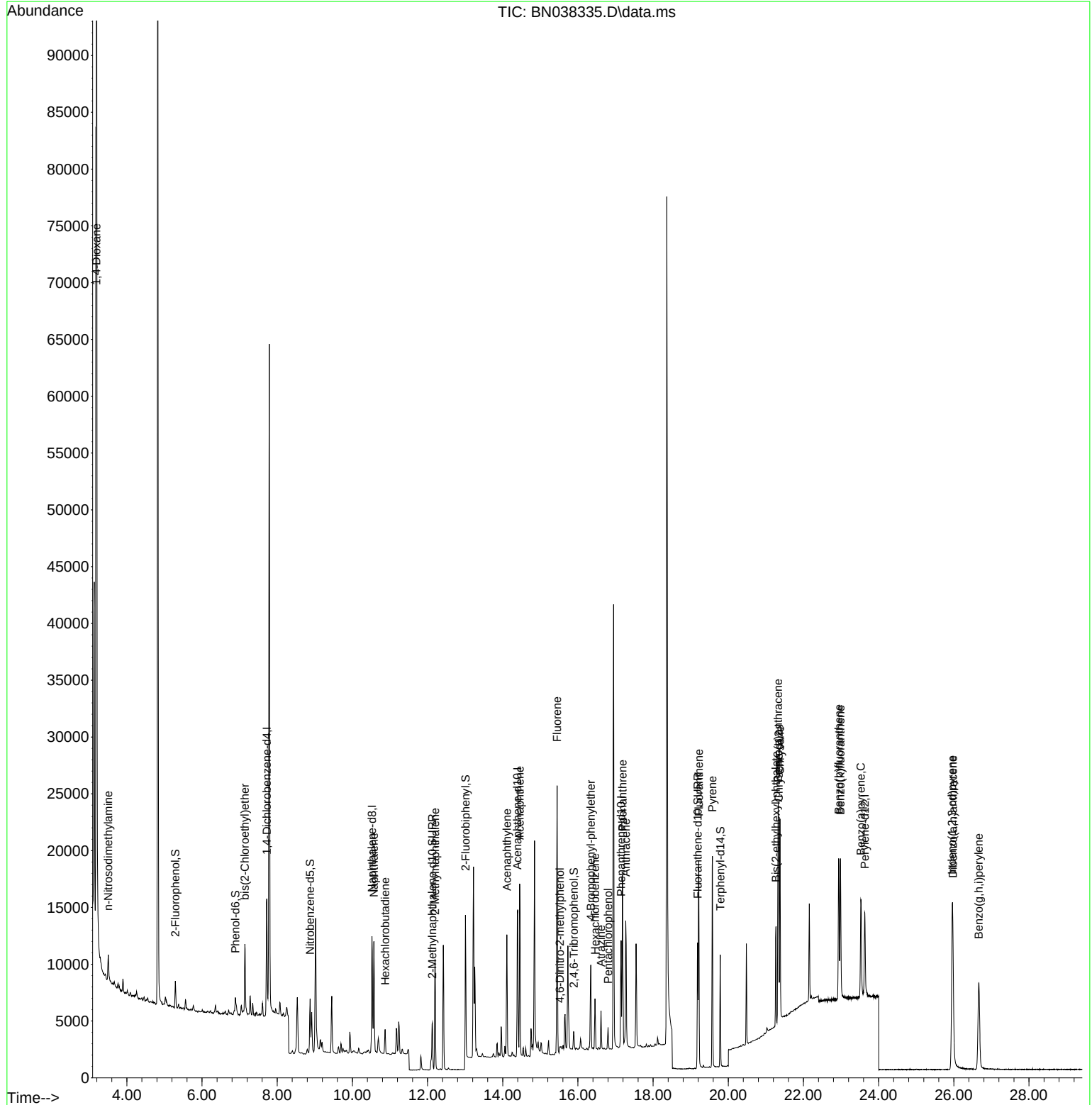
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038335.D
Acq On : 12 Dec 2025 03:01
Operator : RC/JU
Sample : Q3788-02MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

Quant Time: Dec 12 04:17:55 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



7

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
 Data File : BN038336.D
 Acq On : 12 Dec 2025 03:37
 Operator : RC/JU
 Sample : Q3788-03MSD
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OWBR-05-135-120525MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 12/12/2025
 Supervised By :Jagrut Upadhyay 12/12/2025

Quant Time: Dec 12 04:18:19 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	5563	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	14775	0.400	ng	#-0.01
13) Acenaphthene-d10	14.387	164	7579	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	13283	0.400	ng	0.00
29) Chrysene-d12	21.339	240	10457	0.400	ng	0.00
35) Perylene-d12	23.630	264	10825	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1745	0.126	ng	0.00
5) Phenol-d6	6.886	99	1266	0.077	ng	0.00
8) Nitrobenzene-d5	8.875	82	3819	0.306	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	5405m	0.259	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1063	0.316	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	11217	0.307	ng	0.00
27) Fluoranthene-d10	19.183	212	11358	0.346	ng	0.00
31) Terphenyl-d14	19.787	244	8928	0.383	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.189	88	180404	28.283	ng	99
3) n-Nitrosodimethylamine	3.506	42	1371	0.171	ng	# 85
6) bis(2-Chloroethyl)ether	7.139	93	4673	0.290	ng	100
9) Naphthalene	10.573	128	12265	0.281	ng	99
10) Hexachlorobutadiene	10.872	225	1640	0.211	ng	# 100
12) 2-Methylnaphthalene	12.197	142	7060	0.255	ng	99
16) Acenaphthylene	14.109	152	11781	0.317	ng	99
17) Acenaphthene	14.452	154	7145	0.276	ng	97
18) Fluorene	15.446	166	9986	0.299	ng	98
20) 4,6-Dinitro-2-methylph...	15.522	198	288	0.132	ng	# 1
21) 4-Bromophenyl-phenylether	16.342	248	3033	0.308	ng	99
22) Hexachlorobenzene	16.453	284	3347	0.283	ng	99
23) Atrazine	16.615	200	2379	0.354	ng	98
24) Pentachlorophenol	16.801	266	1026	0.222	ng	100
25) Phenanthrene	17.186	178	14851	0.321	ng	99
26) Anthracene	17.273	178	13279	0.333	ng	100
28) Fluoranthene	19.215	202	15808	0.322	ng	98
30) Pyrene	19.578	202	16321	0.317	ng	99
32) Benzo(a)anthracene	21.322	228	13927	0.345	ng	99
33) Chrysene	21.375	228	14906	0.335	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	7739	0.349	ng	99
36) Indeno(1,2,3-cd)pyrene	25.955	276	18655	0.325	ng	99
37) Benzo(b)fluoranthene	22.937	252	15326	0.308	ng	97
38) Benzo(k)fluoranthene	22.984	252	16149	0.326	ng	97
39) Benzo(a)pyrene	23.528	252	13609	0.334	ng	98
40) Dibenzo(a,h)anthracene	25.972	278	14664	0.331	ng	98
41) Benzo(g,h,i)perylene	26.665	276	16053	0.324	ng	100

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

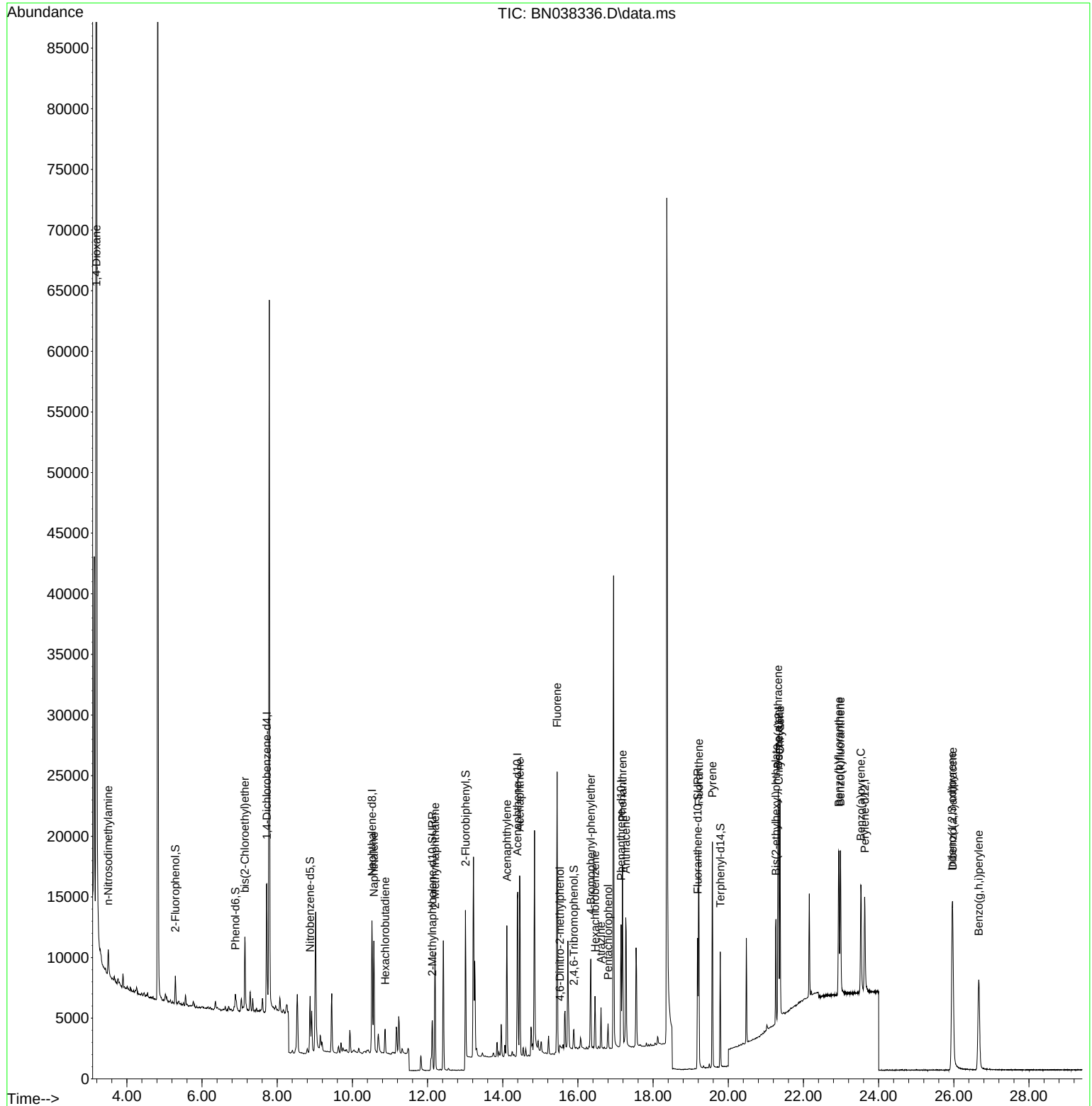
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038336.D
Acq On : 12 Dec 2025 03:37
Operator : RC/JU
Sample : Q3788-03MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OWBR-05-135-120525MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

Quant Time: Dec 12 04:18:19 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





Manual Integration Report

Sequence:	BN121025	Instrument	BNA_n
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
-----------	---------	-----------	-----------	-----------	---------------	---------------	--------

Manual Integration Report

Sequence:	BN121125	Instrument	BNA_n
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170850BS	BN038327.D	2-Methylnaphthalene-d10	rahul	12/12/2025 10:27:16 AM	Jagrut	12/12/2025 2:27:05 PM	Peak Integrated by Software
Q3788-02MS	BN038335.D	2-Methylnaphthalene-d10	rahul	12/12/2025 10:27:20 AM	Jagrut	12/12/2025 2:27:07 PM	Peak Integrated by Software
Q3788-03MSD	BN038336.D	2-Methylnaphthalene-d10	rahul	12/12/2025 10:27:24 AM	Jagrut	12/12/2025 2:27:09 PM	Peak Integrated by Software



Manual Integration Report

Sequence:	BN121225	Instrument	BNA_n
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
-----------	---------	-----------	-----------	-----------	---------------	---------------	--------

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch 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	SSTDIC0.1	BN038298.D	10 Dec 2025 09:52	RC/JU	Ok
3	SSTDIC0.2	BN038299.D	10 Dec 2025 10:28	RC/JU	Ok
4	SSTDIC0.4	BN038300.D	10 Dec 2025 11:05	RC/JU	Ok
5	SSTDIC0.8	BN038301.D	10 Dec 2025 11:41	RC/JU	Ok
6	SSTDIC1.6	BN038302.D	10 Dec 2025 12:17	RC/JU	Ok
7	SSTDIC3.2	BN038303.D	10 Dec 2025 12:53	RC/JU	Ok
8	SSTDIC5.0	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	SSTDIC0.4	BN038309.D	10 Dec 2025 17:15	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	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	BN038342.D	12 Dec 2025 08:45	RC/JU	Ok
2	SSTDCCC0.4	BN038343.D	12 Dec 2025 09:24	RC/JU	Ok
3	PB170912BL	BN038344.D	12 Dec 2025 10:00	RC/JU	Ok
4	Q3788-01DL	BN038345.D	12 Dec 2025 10:36	RC/JU	Ok
5	Q3813-01	BN038346.D	12 Dec 2025 11:12	RC/JU	Ok
6	Q3813-03	BN038347.D	12 Dec 2025 11:49	RC/JU	Ok
7	Q3828-01	BN038348.D	12 Dec 2025 12:25	RC/JU	Ok
8	Q3828-03	BN038349.D	12 Dec 2025 13:01	RC/JU	Ok,M
9	Q3828-05	BN038350.D	12 Dec 2025 13:38	RC/JU	Dilution
10	Q3828-06	BN038351.D	12 Dec 2025 14:14	RC/JU	Ok
11	Q3828-08	BN038352.D	12 Dec 2025 15:26	RC/JU	Ok
12	Q3835-01	BN038353.D	12 Dec 2025 16:02	RC/JU	Ok
13	Q3835-02	BN038354.D	12 Dec 2025 16:38	RC/JU	Ok
14	Q3835-04	BN038355.D	12 Dec 2025 17:14	RC/JU	Dilution
15	Q3835-05	BN038356.D	12 Dec 2025 17:50	RC/JU	Ok
16	PB170912BS	BN038357.D	12 Dec 2025 18:27	RC/JU	Ok,M
17	PB170912BSD	BN038358.D	12 Dec 2025 19:03	RC/JU	Ok,M
18	SSTDCCC0.4	BN038359.D	12 Dec 2025 20:16	RC/JU	Ok
19	DFTPP	BN038360.D	12 Dec 2025 21:31	RC/JU	Ok
20	SSTDCCC0.4	BN038361.D	12 Dec 2025 22:10	RC/JU	Ok
21	PB170917BL	BN038362.D	12 Dec 2025 22:47	RC/JU	ReRun

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	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	Q3839-01	BN038363.D	12 Dec 2025 23:24	RC/JU	ReRun
23	Q3839-02	BN038364.D	13 Dec 2025 00:00	RC/JU	ReRun
24	Q3839-03MS	BN038365.D	13 Dec 2025 00:37	RC/JU	ReRun
25	Q3839-04MSD	BN038366.D	13 Dec 2025 01:13	RC/JU	ReRun
26	Q3839-05	BN038367.D	13 Dec 2025 01:50	RC/JU	ReRun
27	Q3839-06	BN038368.D	13 Dec 2025 02:27	RC/JU	ReRun
28	Q3839-07	BN038369.D	13 Dec 2025 03:03	RC/JU	ReRun
29	Q3839-08	BN038370.D	13 Dec 2025 03:40	RC/JU	ReRun
30	Q3839-11	BN038371.D	13 Dec 2025 04:16	RC/JU	ReRun
31	Q3839-12	BN038372.D	13 Dec 2025 04:53	RC/JU	ReRun
32	Q3839-13	BN038373.D	13 Dec 2025 05:29	RC/JU	ReRun
33	Q3839-14	BN038374.D	13 Dec 2025 06:06	RC/JU	ReRun
34	Q3839-15	BN038375.D	13 Dec 2025 06:42	RC/JU	ReRun
35	Q3839-16	BN038376.D	13 Dec 2025 07:18	RC/JU	ReRun
36	PB170917BS	BN038377.D	13 Dec 2025 07:55	RC/JU	Ok,M
37	SSTDCCC0.4	BN038378.D	13 Dec 2025 09:08	RC/JU	Ok
38	DFTPP	BN038379.D	13 Dec 2025 10:24	RC/JU	Ok
39	SSTDCCC0.4	BN038380.D	13 Dec 2025 11:03	RC/JU	Ok
40	PB170919BL	BN038381.D	13 Dec 2025 11:39	RC/JU	Not Ok
41	Q3828-05DL	BN038382.D	13 Dec 2025 12:16	RC/JU	Ok
42	Q3839-17	BN038383.D	13 Dec 2025 12:52	RC/JU	Ok
43	Q3839-18	BN038384.D	13 Dec 2025 13:28	RC/JU	Not Ok
44	Q3839-19MS	BN038385.D	13 Dec 2025 14:04	RC/JU	Not Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	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			

45	Q3839-19MSD	BN038386.D	13 Dec 2025 14:40	RC/JU	Not Ok
46	Q3839-09	BN038387.D	13 Dec 2025 15:16	RC/JU	Ok,M
47	Q3839-10	BN038388.D	13 Dec 2025 15:52	RC/JU	Dilution
48	Q3839-21	BN038389.D	13 Dec 2025 16:28	RC/JU	Not Ok
49	Q3839-22	BN038390.D	13 Dec 2025 17:04	RC/JU	Not Ok
50	Q3839-23	BN038391.D	13 Dec 2025 17:41	RC/JU	Not Ok
51	Q3839-24	BN038392.D	13 Dec 2025 18:17	RC/JU	Not Ok
52	Q3839-25	BN038393.D	13 Dec 2025 18:54	RC/JU	Not Ok
53	Q3839-26	BN038394.D	13 Dec 2025 19:30	RC/JU	Not Ok
54	PB170919BS	BN038395.D	13 Dec 2025 20:06	RC/JU	Not Ok
55	SSTDCCC0.4	BN038396.D	13 Dec 2025 21:18	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch 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	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	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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch 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-05-135-120525	BN038335.D	12 Dec 2025 03:01		RC/JU	Ok,M
27	Q3788-03MSD	OWBR-05-135-120525	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	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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	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	BN038342.D	12 Dec 2025 08:45		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN038343.D	12 Dec 2025 09:24	Compound #20, 24 fail low.	RC/JU	Ok
3	PB170912BL	PB170912BL	BN038344.D	12 Dec 2025 10:00		RC/JU	Ok
4	Q3788-01DL	OWBR-05-135-120525	BN038345.D	12 Dec 2025 10:36		RC/JU	Ok
5	Q3813-01	BR-04DR-451-120825	BN038346.D	12 Dec 2025 11:12		RC/JU	Ok
6	Q3813-03	EB01-120825	BN038347.D	12 Dec 2025 11:49		RC/JU	Ok
7	Q3828-01	BR-02-133-120925	BN038348.D	12 Dec 2025 12:25		RC/JU	Ok
8	Q3828-03	OWBR-06-219-120925	BN038349.D	12 Dec 2025 13:01		RC/JU	Ok,M
9	Q3828-05	RMW-03B-90-120925	BN038350.D	12 Dec 2025 13:38	Need 5X Dilution	RC/JU	Dilution
10	Q3828-06	OWBR-03-138-120925	BN038351.D	12 Dec 2025 14:14		RC/JU	Ok
11	Q3828-08	FB01-120925	BN038352.D	12 Dec 2025 15:26		RC/JU	Ok
12	Q3835-01	MW-11A-13.5-121025	BN038353.D	12 Dec 2025 16:02		RC/JU	Ok
13	Q3835-02	OWBR-01-170-121025	BN038354.D	12 Dec 2025 16:38		RC/JU	Ok
14	Q3835-04	MW-118-37.5-121025	BN038355.D	12 Dec 2025 17:14	Need 20X Dilution	RC/JU	Dilution
15	Q3835-05	MW-01-7-121025	BN038356.D	12 Dec 2025 17:50		RC/JU	Ok
16	PB170912BS	PB170912BS	BN038357.D	12 Dec 2025 18:27		RC/JU	Ok,M
17	PB170912BSD	PB170912BSD	BN038358.D	12 Dec 2025 19:03		RC/JU	Ok,M
18	SSTDCCC0.4	SSTDCCC0.4EC	BN038359.D	12 Dec 2025 20:16	Compound #20 fail low.	RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	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	DFTPP	DFTPP	BN038360.D	12 Dec 2025 21:31		RC/JU	Ok
20	SSTDCCC0.4	SSTDCCC0.4	BN038361.D	12 Dec 2025 22:10	Compound #20, 24 fail low.	RC/JU	Ok
21	PB170917BL	PB170917BL	BN038362.D	12 Dec 2025 22:47	CCC fail low for compound #24.	RC/JU	ReRun
22	Q3839-01	C0AM5	BN038363.D	12 Dec 2025 23:24	CCC fail low for compound #24.	RC/JU	ReRun
23	Q3839-02	C0AM6	BN038364.D	13 Dec 2025 00:00	CCC fail low for compound #24.	RC/JU	ReRun
24	Q3839-03MS	C0AM6MS	BN038365.D	13 Dec 2025 00:37	CCC fail low for compound #24.	RC/JU	ReRun
25	Q3839-04MSD	C0AM6MSD	BN038366.D	13 Dec 2025 01:13	CCC fail low for compound #24.	RC/JU	ReRun
26	Q3839-05	C0AN1	BN038367.D	13 Dec 2025 01:50	CCC fail low for compound #24.	RC/JU	ReRun
27	Q3839-06	C0AN2	BN038368.D	13 Dec 2025 02:27	CCC fail low for compound #24.	RC/JU	ReRun
28	Q3839-07	C0AN3	BN038369.D	13 Dec 2025 03:03	CCC fail low for compound #24.	RC/JU	ReRun
29	Q3839-08	C0AN4	BN038370.D	13 Dec 2025 03:40	CCC fail low for compound #24.	RC/JU	ReRun
30	Q3839-11	C0AN7	BN038371.D	13 Dec 2025 04:16	CCC fail low for compound #24.	RC/JU	ReRun
31	Q3839-12	C0AS1	BN038372.D	13 Dec 2025 04:53	CCC fail low for compound #24.	RC/JU	ReRun
32	Q3839-13	C0AS2	BN038373.D	13 Dec 2025 05:29	CCC fail low for compound #24.	RC/JU	ReRun
33	Q3839-14	C0AS3	BN038374.D	13 Dec 2025 06:06	CCC fail low for compound #24.	RC/JU	ReRun
34	Q3839-15	C0AS4	BN038375.D	13 Dec 2025 06:42	CCC fail low for compound #24.	RC/JU	ReRun
35	Q3839-16	C0B02	BN038376.D	13 Dec 2025 07:18	CCC fail low for compound #24.	RC/JU	ReRun
36	PB170917BS	PB170917BS	BN038377.D	13 Dec 2025 07:55		RC/JU	Ok,M
37	SSTDCCC0.4	SSTDCCC0.4EC	BN038378.D	13 Dec 2025 09:08		RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	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			

38	DFTPP	DFTPP	BN038379.D	13 Dec 2025 10:24		RC/JU	Ok
39	SSTDCCC0.4	SSTDCCC0.4	BN038380.D	13 Dec 2025 11:03	Compound #20 fail low.	RC/JU	Ok
40	PB170919BL	PB170919BL	BN038381.D	13 Dec 2025 11:39	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
41	Q3828-05DL	RMW-03B-90-120925D	BN038382.D	13 Dec 2025 12:16		RC/JU	Ok
42	Q3839-17	C0B11	BN038383.D	13 Dec 2025 12:52		RC/JU	Ok
43	Q3839-18	C0AM7	BN038384.D	13 Dec 2025 13:28	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
44	Q3839-19MS	C0AM7MS	BN038385.D	13 Dec 2025 14:04	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
45	Q3839-19MSD	C0AM7MSD	BN038386.D	13 Dec 2025 14:40	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
46	Q3839-09	C0AN5	BN038387.D	13 Dec 2025 15:16		RC/JU	Ok,M
47	Q3839-10	C0AN6	BN038388.D	13 Dec 2025 15:52	Need 5X.	RC/JU	Dilution
48	Q3839-21	C0B09	BN038389.D	13 Dec 2025 16:28	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
49	Q3839-22	C0AT4	BN038390.D	13 Dec 2025 17:04	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
50	Q3839-23	C0AT5	BN038391.D	13 Dec 2025 17:41	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
51	Q3839-24	C0AT6	BN038392.D	13 Dec 2025 18:17	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
52	Q3839-25	C0AT7	BN038393.D	13 Dec 2025 18:54	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
53	Q3839-26	C0AT8	BN038394.D	13 Dec 2025 19:30	Wrong Sample (Total Scan sample)	RC/JU	Not Ok
54	PB170919BS	PB170919BS	BN038395.D	13 Dec 2025 20:06	Wrong Sample (Total Scan sample)	RC/JU	Not Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN121225

Review By	rahul	Review On	12/12/2025 3:41:10 PM
Supervise By	Jagrut	Supervise On	12/15/2025 2:17:39 PM
SubDirectory	BN121225	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			
55	SSTDCCC0.4	SSTDCCC0.4EC	BN038396.D
			13 Dec 2025 21:18
			RC/JU
			Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A **Extraction Start Date :** 12/08/2025

Matrix : Water **Extraction Start Time :** 08:52

Weigh By: N/A **Extraction By:** RS **Extraction End Date :** 12/09/2025

Balance check: N/A **Filter By:** RS **Extraction End Time :** 10:25

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: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard 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	EP2665
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
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. Q3788 all samples added at 15:35 in PrepBatch.

KD Bath ID: WATER BATH-1,2 **Envap ID:** NEVAP-02

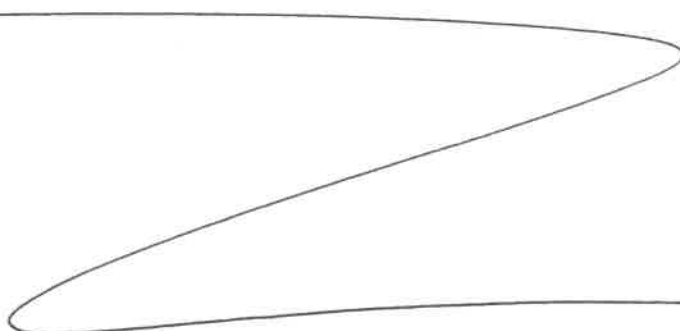
KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/9/25	RS (Ext Lab)	JY/SVOC
10:30	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 12/09/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170850BL	SBLK850	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			SEP-1
PB170850BS	SLCS850	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1			2
Q3787-01	MW-15B-42.5-120425	SVOC-SIMGrou p1	890	6	RUPESH	ritesh	1	D		3
Q3787-02	MW-15B-42.5-120425-MS	SVOC-SIMGrou p1	880	6	RUPESH	ritesh	1	D		4
Q3787-03	MW-15B-42.5-120425-MS D	SVOC-SIMGrou p1	900	6	RUPESH	ritesh	1	D		5
Q3787-07	OWBR-02-170-120425	SVOC-SIMGrou p1	910	6	RUPESH	ritesh	1	D		6
Q3787-09	OWBR-02-170-120425-F D	SVOC-SIMGrou p1	940	6	RUPESH	ritesh	1	D		7
Q3787-11	OW-03B-51.5-120425	SVOC-SIMGrou p1	950	6	RUPESH	ritesh	1	D		8
Q3787-13	OW-03B-51.5-120425-FD	SVOC-SIMGrou p1	1000	6	RUPESH	ritesh	1	D		9
Q3787-15	OW-08B-72.5-120425	SVOC-SIMGrou p1	980	6	RUPESH	ritesh	1	D		10
Q3787-17	OW-08B-72.5-120425-FD	SVOC-SIMGrou p1	990	6	RUPESH	ritesh	1	D		11
Q3787-19	OW-02B-21.2-120425	SVOC-SIMGrou p1	870	6	RUPESH	ritesh	1	D		12
Q3788-01	OWBR-05-135-120525	SVOC-SIMGrou p1	870	11	RUPESH	ritesh	1	D		13
Q3788-02	OWBR-05-135-120525-M S	SVOC-SIMGrou p1	970	11	RUPESH	ritesh	1	D		14
Q3788-03	OWBR-05-135-120525-M SD	SVOC-SIMGrou p1	1000	11	RUPESH	ritesh	1	D		15
Q3788-07	OW-01B-66.5-120525	SVOC-SIMGrou p1	920	6	RUPESH	ritesh	1	D		16
Q3788-09	TA-BR-05-465-120525	SVOC-SIMGrou p1	980	11	RUPESH	ritesh	1	D		17
Q3788-11	MW-16B-87.5-120525	SVOC-SIMGrou p1	960	11	RUPESH	ritesh	1	D		18



RJ
12/9

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3787 WorkList ID : 193513 Department : Extraction Date : 12-08-2025 08:46:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3787-01	MW-15B-42.5-120425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-02	MW-15B-42.5-120425-MS	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-03	MW-15B-42.5-120425-MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-07	OWBR-02-170-120425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-09	OWBR-02-170-120425-FD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-11	OW-03B-51.5-120425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-13	OW-03B-51.5-120425-FD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-15	OW-08B-72.5-120425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-17	OW-08B-72.5-120425-FD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified
Q3787-19	OW-02B-21.2-120425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/04/2025	8270-Modified

Date/Time 12/8/25 8:47
 Raw Sample Received by: RS (Ext-946)
 Raw Sample Relinquished by: OP 8

Date/Time 12/8/25 9:30
 Raw Sample Received by: OP 8
 Raw Sample Relinquished by: RS (Ext-946)

Q3788

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3788 WorkList ID : 193541 Department : Extraction Date : 12-08-2025 15:34:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3788-01	OWBR-05-135-120525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/05/2025	8270-Modified
Q3788-02	OWBR-05-135-120525-MS	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/05/2025	8270-Modified
Q3788-03	OWBR-05-135-120525-MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/05/2025	8270-Modified
Q3788-07	OW-01B-66.5-120525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/05/2025	8270-Modified
Q3788-09	TA-BR-05-465-120525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/05/2025	8270-Modified
Q3788-11	MW-16B-87.5-120525	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	A11	12/05/2025	8270-Modified

Date/Time 12/8/25 15:35
Raw Sample Received by: RS (Ext-66)
Raw Sample Relinquished by: AS

Date/Time 12/8/25 16:00
Raw Sample Received by: AS
Raw Sample Relinquished by: RS (Ext-66)

LAB CHRONICLE

OrderID:	Q3788	OrderDate:	12/5/2025 7:44:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3788-01	OWBR-05-135-12052 5	Water			12/05/25			12/05/25
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/12/25	
Q3788-01DL	OWBR-05-135-12052 SDL	Water			12/05/25			12/05/25
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/12/25	
Q3788-07	OW-01B-66.5-120525	Water			12/05/25			12/05/25
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/11/25	
Q3788-09	BR-05-465-120525	Water			12/05/25			12/05/25
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/12/25	
Q3788-11	MW-16B-87.5-120525	Water			12/05/25			12/05/25
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/11/25	



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kimple Ave Suite #100
CITY: Morris Plains STATE: NJ ZIP: 07960
ATTENTION: John V. Faute
PHONE: _____ FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PIZ
PROJECT NO.: D4633126 LOCATION: Princeton Jct.
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☒ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

Site specific VOCs (82 LOD - Low)
Trace VOCs (5-FAHMS)
1,4-Dioxane (82 LOD - SIM)
1,4-Dioxane (82 LOD - SIM)

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		A/E	A/E	F							
1.	OWBR-05-135-120525	GW		X	12/5/25	1110	15	X		X							MS/MSD
2.	OWBR-05-135-120525-SIM	GW		X	12/5/25	1110	9		X								MS/MSD
3.	OW-01B-665-120525	GW		X	12/5/25	1115	3	X		X							
4.	OW-01B-665-120525-SIM	GW		X	12/5/25	1115	3		X								
5.	BR-05-465-120525	GW		X	12/5/25	1200	5	X		X							
6.	BR-05-465-120525-SIM	GW		X	12/5/25	1200	3		X								
7.	MW-16B-87.5-120525	GW		X	12/5/25	1435	5	X		X							
8.	MW-16B-87.5-120525-SIM	GW		X	12/5/25	1435	3		X								
9.	TBOI-120525	DI		X	12/5/25	0800	4	X	X								
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME: <u>12/5/25</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>1.3 + 0 = 1.3</u> °C
1. <u>[Signature]</u>	<u>12/5/25</u>	1. <u>[Signature]</u>	Comments: <u>See work order for list of site specific VOCs</u> <u>IRAW #1</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3.		3.	

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3788	JACO05	Order Date : 12/5/2025 7:44:00 AM	Project Mgr :
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger STC	Report Type : Level 3
Client Contact : John Ynfante		Receive DateTime : 12/5/2025 5:15:00 PM	EDD Type : CH2MHILL
Invoice Name : JACOBS Engineering Grou		Purchase Order :	Hard Copy Date :
Invoice Contact : John Ynfante			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3788-01	OWBR-05-135-120525	Water	12/05/2025	11:10					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-02	OWBR-05-135-120525-MS	Water	12/05/2025	11:10					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-03	OWBR-05-135-120525-MSD	Water	12/05/2025	11:10					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-04	OWBR-05-135-120525-SIM	Water	12/05/2025	11:10					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3788-05	OWBR-05-135-120525-SIM-MS	Water	12/05/2025	11:10					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3788-06	OWBR-05-135-120525-SIM-MSD	Water	12/05/2025	11:10					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3788-07	OW-01B-66.5-120525	Water	12/05/2025	11:15					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-08	OW-01B-66.5-120525-SIM	Water	12/05/2025	11:15					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3788- JACO05	Order Date : 12/5/2025 7:44:00 AM	Project Mgr :
Client Name : JACOBS Engineering Grou	Project Name : Former Schlumberger STC	Report Type : Level 3
Client Contact : John Ynfante	Receive DateTime : 12/5/2025 5:15:00 PM	EDD Type : CH2MHILL
Invoice Name : JACOBS Engineering Grou	Purchase Order :	Hard Copy Date :
Invoice Contact : John Ynfante		Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3788-09	TA-BR-05-465-120525	Water	12/05/2025	12:00					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-10	BR-05-465-12052-SIM 120525 <i>dm</i>	Water	12/05/2025	12:00					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3788-11	MW-16B-87.5-120525	Water	12/05/2025	14:35					
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-12	MW-16B-87.5-120525-SIM	Water	12/05/2025	14:35					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
Q3788-13	TB01-120525	Water	12/05/2025	08:00					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	
					VOCMS Group3		8260-Low	10 Bus. Days	
Q3788-14	VHBLK001	Water	12/05/2025	17:15					
					VOC-SIM		SFAM_VOCSIM	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

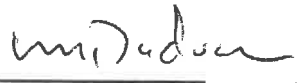
Order ID : Q3788	JACO05	Order Date : 12/5/2025 7:44:00 AM	Project Mgr :
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger STC	Report Type : Level 3
Client Contact : John Ynfante		Receive DateTime : 12/5/2025 5:15:00 PM	EDD Type : CH2MHILL
Invoice Name : JACOBS Engineering Grou		Purchase Order :	Hard Copy Date :
Invoice Contact : John Ynfante			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
--------	-----------	--------	----------------	----------------	------	------------	--------	----------	--------------

*Stored in VOA
Ex # 04*

Relinquished By : 

Date / Time : 12/8/25 13:00

Received By : 

Date / Time : 12/8/25 14:00

Storage Area : VOA Refridgerator Room