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

DATA PACKAGE

SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : Q3787

ATTENTION : John Ynfante

Laboratory Certification ID # 20012

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6) VOC-SIM Data 194

7) SVOC-SIMGroup1 Data 318

8) Shipping Document 463

- 8.1) CHAIN OF CUSTODY 464
- 8.2) Lab Certificate 466
- 8.3) Internal COC 467

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : JACOBS Engineering Group, Inc.

Project Location : Princeton Junction, NJ

Project Number : D4033126

Laboratory Sample ID(s) : Q3787

Sampling Date(s) : 12/04/2025

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.”

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Cover Page

Order ID : Q3787

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q3787-01	MW-15B-42.5-120425
Q3787-02	MW-15B-42.5-120425-MS
Q3787-03	MW-15B-42.5-120425-MSD
Q3787-07	OWBR-02-170-120425
Q3787-08	OWBR-02-170-120425-SIM
Q3787-09	OWBR-02-170-120425-FD
Q3787-10	OWBR-02-170-120425-SIM-FD
Q3787-11	OW-03B-51.5-120425
Q3787-12	OW-03B-51.5-120425-SIM
Q3787-13	OW-03B-51.5-120425-FD
Q3787-14	OW-03B-51.5-120425-SIM-FD
Q3787-15	OW-08B-72.5-120425
Q3787-16	OW-08B-72.5-120425-SIM
Q3787-17	OW-08B-72.5-120425-FD
Q3787-18	OW-08B-72.5-120425-SIM-FD
Q3787-19	OW-02B-21.2-120425
Q3787-20	OW-02B-21.2-120425-SIM
Q3787-21	TB01-120425
Q3787-22	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: 12/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q3787
Test Name: VOCMS Group3,VOC-SIM,SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
22 Water samples were received on 12/04/2025.

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 8260D.

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 : OWBR-02-170-120425 [4-Bromofluorobenzene - 186%, Dibromofluoromethane - 142%], OWBR-02-170-120425-FD [1,2-Dichloroethane-d4 - 142%, 4-Bromofluorobenzene - 171%, Dibromofluoromethane - 134%], OW-03B-51.5-120425-FD [1,2-Dichloroethane-d4 - 140%, 4-Bromofluorobenzene - 155%] and OW-08B-72.5-120425-FD [Dibromofluoromethane - 136%] these compounds did not meet the NJDKQP criteria but met the in-house criteria while OWBR-02-170-120425RE [4-Bromofluorobenzene - 125%], OWBR-02-170-120425-FDRE [4-Bromofluorobenzene - 122%], OW-03B-51.5-120425 [1,2-Dichloroethane-d4 - 128%], OW-03B-51.5-

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120425RE [4-Bromofluorobenzene - 122%], OW-03B-51.5-120425-FDRE [4-Bromofluorobenzene - 125%] and OW-08B-72.5-120425-FDRE [4-Bromofluorobenzene - 123%] these compounds did not meet the in-house criteria but met NJDKQP criteria, samples were reanalyzed to confirm the failure and reported.

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

E. Additional Comments:

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

VOC-SIM : The SIM analysis is not required for the sample MW-15B-42.5-120425-SIM, MW-15B-42.5-120425-SIM-MS and MW-15B-42.5-120425-SIM-MSD as all the SIM target analytes are detected at or above the sample adjusted CRQLs in the full scan analysis, a SIM analysis is not to be performed for that sample."

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_____

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908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3787

	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: MAHESH PATEL **Date:** 12/16/2025

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Hit Summary Sheet
SW-846

SDG No.: Q3787

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW-15B-42.5-120425**							
Q3787-01	MW-15B-42.5-1204	Water	Vinyl Chloride	1.30		0.26	1.00	ug/L
Q3787-01	MW-15B-42.5-1204	Water	cis-1,2-Dichloroethene	3.30		0.19	1.00	ug/L
Q3787-01	MW-15B-42.5-1204	Water	Trichloroethene	6.20		0.090	1.00	ug/L
			Total Voc :	10.8				
			Total Concentration:	10.8				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	MW-15B-42.5-120425	SDG No.:	Q3787
Lab Sample ID:	Q3787-01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	1.30		1	0.26	1.00	ug/L	12/08/25 13:14	VX120825
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 13:14	VX120825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/08/25 13:14	VX120825
156-59-2	cis-1,2-Dichloroethene	3.30		1	0.19	1.00	ug/L	12/08/25 13:14	VX120825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/08/25 13:14	VX120825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/08/25 13:14	VX120825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/08/25 13:14	VX120825
79-01-6	Trichloroethene	6.20		1	0.090	1.00	ug/L	12/08/25 13:14	VX120825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/08/25 13:14	VX120825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 13:14	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.2			70 (74) - 130 (125)	108%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.0			70 (75) - 130 (124)	110%	SPK: 50		
2037-26-5	Toluene-d8	55.3			70 (86) - 130 (113)	111%	SPK: 50		
460-00-4	4-Bromofluorobenzene	58.9			70 (77) - 130 (121)	118%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	121000							
540-36-3	1,4-Difluorobenzene	219000							
3114-55-4	Chlorobenzene-d5	322000							
3855-82-1	1,4-Dichlorobenzene-d4	129000							

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

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OWBR-02-170-120425	SDG No.:	Q3787
Lab Sample ID:	Q3787-07	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/08/25 14:16	VX120825
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 14:16	VX120825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/08/25 14:16	VX120825
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/08/25 14:16	VX120825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/08/25 14:16	VX120825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/08/25 14:16	VX120825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/08/25 14:16	VX120825
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/08/25 14:16	VX120825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/08/25 14:16	VX120825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 14:16	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	46.0			70 (74) - 130 (125)	92%	SPK: 50		
1868-53-7	Dibromofluoromethane	70.9	*		70 (75) - 130 (124)	142%	SPK: 50		
2037-26-5	Toluene-d8	48.9			70 (86) - 130 (113)	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	92.8	*		70 (77) - 130 (121)	186%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	152000							
540-36-3	1,4-Difluorobenzene	235000							
3114-55-4	Chlorobenzene-d5	354000							
3855-82-1	1,4-Dichlorobenzene-d4	192000							

U = Not Detected
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A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OWBR-02-170-120425RE	SDG No.:	Q3787
Lab Sample ID:	Q3787-07RE	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/10/25 13:49	VX121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 13:49	VX121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 13:49	VX121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 13:49	VX121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 13:49	VX121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 13:49	VX121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 13:49	VX121025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/10/25 13:49	VX121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 13:49	VX121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 13:49	VX121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.1			70 (74) - 130 (125)	120%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.7			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	62.6			70 (77) - 130 (121)	125%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	161000							
540-36-3	1,4-Difluorobenzene	337000							
3114-55-4	Chlorobenzene-d5	372000							
3855-82-1	1,4-Dichlorobenzene-d4	199000							

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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OWBR-02-170-120425-FD	SDG No.:	Q3787
Lab Sample ID:	Q3787-09	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/08/25 14:36	VX120825
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 14:36	VX120825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/08/25 14:36	VX120825
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/08/25 14:36	VX120825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/08/25 14:36	VX120825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/08/25 14:36	VX120825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/08/25 14:36	VX120825
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/08/25 14:36	VX120825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/08/25 14:36	VX120825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 14:36	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	71.0	*		70 (74) - 130 (125)	142%	SPK: 50		
1868-53-7	Dibromofluoromethane	67.0	*		70 (75) - 130 (124)	134%	SPK: 50		
2037-26-5	Toluene-d8	47.6			70 (86) - 130 (113)	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	85.6	*		70 (77) - 130 (121)	171%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	130000							
540-36-3	1,4-Difluorobenzene	212000							
3114-55-4	Chlorobenzene-d5	232000							
3855-82-1	1,4-Dichlorobenzene-d4	177000							

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OWBR-02-170-120425-FDI	SDG No.:	Q3787
Lab Sample ID:	Q3787-09RE	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/10/25 14:10	VX121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 14:10	VX121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 14:10	VX121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 14:10	VX121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 14:10	VX121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 14:10	VX121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 14:10	VX121025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/10/25 14:10	VX121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 14:10	VX121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 14:10	VX121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.5			70 (74) - 130 (125)	119%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.5			70 (75) - 130 (124)	95%	SPK: 50		
2037-26-5	Toluene-d8	47.5			70 (86) - 130 (113)	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	61.2			70 (77) - 130 (121)	122%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	151000							
540-36-3	1,4-Difluorobenzene	314000							
3114-55-4	Chlorobenzene-d5	341000							
3855-82-1	1,4-Dichlorobenzene-d4	185000							

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-03B-51.5-120425	SDG No.:	Q3787
Lab Sample ID:	Q3787-11	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/08/25 14:57	VX120825
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 14:57	VX120825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/08/25 14:57	VX120825
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/08/25 14:57	VX120825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/08/25 14:57	VX120825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/08/25 14:57	VX120825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/08/25 14:57	VX120825
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/08/25 14:57	VX120825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/08/25 14:57	VX120825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 14:57	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	64.1			70 (74) - 130 (125)	128%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.6			70 (75) - 130 (124)	97%	SPK: 50		
2037-26-5	Toluene-d8	47.5			70 (86) - 130 (113)	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	38.6			70 (77) - 130 (121)	77%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	160000							
540-36-3	1,4-Difluorobenzene	344000							
3114-55-4	Chlorobenzene-d5	353000							
3855-82-1	1,4-Dichlorobenzene-d4	128000							

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-03B-51.5-120425RE	SDG No.:	Q3787
Lab Sample ID:	Q3787-11RE	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/10/25 14:30	VX121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 14:30	VX121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 14:30	VX121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 14:30	VX121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 14:30	VX121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 14:30	VX121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 14:30	VX121025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/10/25 14:30	VX121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 14:30	VX121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 14:30	VX121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.4			70 (74) - 130 (125)	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.9			70 (75) - 130 (124)	96%	SPK: 50		
2037-26-5	Toluene-d8	47.4			70 (86) - 130 (113)	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	60.9			70 (77) - 130 (121)	122%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	143000							
540-36-3	1,4-Difluorobenzene	299000							
3114-55-4	Chlorobenzene-d5	326000							
3855-82-1	1,4-Dichlorobenzene-d4	173000							

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-03B-51.5-120425-FD	SDG No.:	Q3787
Lab Sample ID:	Q3787-13	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/08/25 15:18	VX120825
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 15:18	VX120825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/08/25 15:18	VX120825
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/08/25 15:18	VX120825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/08/25 15:18	VX120825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/08/25 15:18	VX120825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/08/25 15:18	VX120825
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/08/25 15:18	VX120825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/08/25 15:18	VX120825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 15:18	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	70.1	*		70 (74) - 130 (125)	140%	SPK: 50		
1868-53-7	Dibromofluoromethane	62.4			70 (75) - 130 (124)	125%	SPK: 50		
2037-26-5	Toluene-d8	48.3			70 (86) - 130 (113)	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	77.6	*		70 (77) - 130 (121)	155%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	122000							
540-36-3	1,4-Difluorobenzene	204000							
3114-55-4	Chlorobenzene-d5	259000							
3855-82-1	1,4-Dichlorobenzene-d4	118000							

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-03B-51.5-120425-FDR	SDG No.:	Q3787
Lab Sample ID:	Q3787-13RE	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/10/25 14:51	VX121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 14:51	VX121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 14:51	VX121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 14:51	VX121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 14:51	VX121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 14:51	VX121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 14:51	VX121025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/10/25 14:51	VX121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 14:51	VX121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 14:51	VX121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.7			70 (74) - 130 (125)	123%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.8			70 (75) - 130 (124)	98%	SPK: 50		
2037-26-5	Toluene-d8	48.6			70 (86) - 130 (113)	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	62.6			70 (77) - 130 (121)	125%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	152000							
540-36-3	1,4-Difluorobenzene	320000							
3114-55-4	Chlorobenzene-d5	355000							
3855-82-1	1,4-Dichlorobenzene-d4	185000							

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-08B-72.5-120425	SDG No.:	Q3787
Lab Sample ID:	Q3787-15	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/08/25 15:38	VX120825
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 15:38	VX120825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/08/25 15:38	VX120825
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/08/25 15:38	VX120825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/08/25 15:38	VX120825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/08/25 15:38	VX120825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/08/25 15:38	VX120825
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/08/25 15:38	VX120825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/08/25 15:38	VX120825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 15:38	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	47.1			70 (74) - 130 (125)	94%	SPK: 50		
1868-53-7	Dibromofluoromethane	59.8			70 (75) - 130 (124)	120%	SPK: 50		
2037-26-5	Toluene-d8	48.0			70 (86) - 130 (113)	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.0			70 (77) - 130 (121)	118%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	125000							
540-36-3	1,4-Difluorobenzene	211000							
3114-55-4	Chlorobenzene-d5	312000							
3855-82-1	1,4-Dichlorobenzene-d4	120000							

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-08B-72.5-120425-FD	SDG No.:	Q3787
Lab Sample ID:	Q3787-17	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/08/25 15:59	VX120825
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 15:59	VX120825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/08/25 15:59	VX120825
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/08/25 15:59	VX120825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/08/25 15:59	VX120825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/08/25 15:59	VX120825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/08/25 15:59	VX120825
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/08/25 15:59	VX120825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/08/25 15:59	VX120825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/08/25 15:59	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.6			70 (74) - 130 (125)	121%	SPK: 50		
1868-53-7	Dibromofluoromethane	68.2	*		70 (75) - 130 (124)	136%	SPK: 50		
2037-26-5	Toluene-d8	47.6			70 (86) - 130 (113)	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.0			70 (77) - 130 (121)	118%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	128000							
540-36-3	1,4-Difluorobenzene	199000							
3114-55-4	Chlorobenzene-d5	217000							
3855-82-1	1,4-Dichlorobenzene-d4	172000							

U = Not Detected
LOQ = Limit of Quantitation
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-08B-72.5-120425-FDR	SDG No.:	Q3787
Lab Sample ID:	Q3787-17RE	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/10/25 15:11	VX121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 15:11	VX121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 15:11	VX121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 15:11	VX121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 15:11	VX121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 15:11	VX121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 15:11	VX121025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/10/25 15:11	VX121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 15:11	VX121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 15:11	VX121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.6			70 (74) - 130 (125)	117%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.4			70 (75) - 130 (124)	95%	SPK: 50		
2037-26-5	Toluene-d8	47.0			70 (86) - 130 (113)	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	61.4			70 (77) - 130 (121)	123%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	155000							
540-36-3	1,4-Difluorobenzene	318000							
3114-55-4	Chlorobenzene-d5	343000							
3855-82-1	1,4-Dichlorobenzene-d4	186000							

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-02B-21.2-120425	SDG No.:	Q3787
Lab Sample ID:	Q3787-19	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/10/25 15:32	VX121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 15:32	VX121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 15:32	VX121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 15:32	VX121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 15:32	VX121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 15:32	VX121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 15:32	VX121025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/10/25 15:32	VX121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 15:32	VX121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 15:32	VX121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.7			70 (74) - 130 (125)	107%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.1			70 (75) - 130 (124)	94%	SPK: 50		
2037-26-5	Toluene-d8	46.8			70 (86) - 130 (113)	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	60.7			70 (77) - 130 (121)	121%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	138000							
540-36-3	1,4-Difluorobenzene	284000							
3114-55-4	Chlorobenzene-d5	306000							
3855-82-1	1,4-Dichlorobenzene-d4	166000							

U = Not Detected
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	TB01-120425	SDG No.:	Q3787
Lab Sample ID:	Q3787-21	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/10/25 15:53	VX121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 15:53	VX121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 15:53	VX121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 15:53	VX121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 15:53	VX121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 15:53	VX121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 15:53	VX121025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/10/25 15:53	VX121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 15:53	VX121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 15:53	VX121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.8			70 (74) - 130 (125)	112%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.7			70 (75) - 130 (124)	93%	SPK: 50		
2037-26-5	Toluene-d8	46.2			70 (86) - 130 (113)	92%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.2			70 (77) - 130 (121)	118%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	138000							
540-36-3	1,4-Difluorobenzene	284000							
3114-55-4	Chlorobenzene-d5	308000							
3855-82-1	1,4-Dichlorobenzene-d4	168000							

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QC SUMMARY

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

SDG No.: Q3787

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3787-01	MW-15B-42.5-120425	1,2-Dichloroethane-d4	50	54.2	108		70 (74)	130 (125)
		Dibromofluoromethane	50	55.0	110		70 (75)	130 (124)
		Toluene-d8	50	55.3	111		70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.9	118		70 (77)	130 (121)
Q3787-02MS	MW-15B-42.5-120425-MS	1,2-Dichloroethane-d4	50	58.5	117		70 (74)	130 (125)
		Dibromofluoromethane	50	48.6	97		70 (75)	130 (124)
		Toluene-d8	50	46.5	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.9	102		70 (77)	130 (121)
Q3787-03MSD	MW-15B-42.5-120425-MSD	1,2-Dichloroethane-d4	50	53.3	106		70 (74)	130 (125)
		Dibromofluoromethane	50	44.0	88		70 (75)	130 (124)
		Toluene-d8	50	43.3	86		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.5	89		70 (77)	130 (121)
Q3787-07	OWBR-02-170-120425	1,2-Dichloroethane-d4	50	46.0	92		70 (74)	130 (125)
		Dibromofluoromethane	50	70.9	142	*	70 (75)	130 (124)
		Toluene-d8	50	48.9	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	92.8	186	*	70 (77)	130 (121)
Q3787-07RE	OWBR-02-170-120425RE	1,2-Dichloroethane-d4	50	60.1	120		70 (74)	130 (125)
		Dibromofluoromethane	50	47.7	95		70 (75)	130 (124)
		Toluene-d8	50	47.6	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	62.6	125		70 (77)	130 (121)
Q3787-09	OWBR-02-170-120425-FD	1,2-Dichloroethane-d4	50	71.0	142	*	70 (74)	130 (125)
		Dibromofluoromethane	50	67.0	134	*	70 (75)	130 (124)
		Toluene-d8	50	47.6	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	85.6	171	*	70 (77)	130 (121)
Q3787-09RE	OWBR-02-170-120425-FDRE	1,2-Dichloroethane-d4	50	59.5	119		70 (74)	130 (125)
		Dibromofluoromethane	50	47.5	95		70 (75)	130 (124)
		Toluene-d8	50	47.5	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	61.2	122		70 (77)	130 (121)
Q3787-11	OW-03B-51.5-120425	1,2-Dichloroethane-d4	50	64.1	128		70 (74)	130 (125)
		Dibromofluoromethane	50	48.6	97		70 (75)	130 (124)
		Toluene-d8	50	47.5	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	38.6	77		70 (77)	130 (121)
Q3787-11RE	OW-03B-51.5-120425RE	1,2-Dichloroethane-d4	50	57.4	115		70 (74)	130 (125)
		Dibromofluoromethane	50	47.9	96		70 (75)	130 (124)
		Toluene-d8	50	47.4	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	61.0	122		70 (77)	130 (121)
Q3787-13	OW-03B-51.5-120425-FD	1,2-Dichloroethane-d4	50	70.1	140	*	70 (74)	130 (125)
		Dibromofluoromethane	50	62.4	125		70 (75)	130 (124)
		Toluene-d8	50	48.3	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	77.6	155	*	70 (77)	130 (121)
Q3787-13RE	OW-03B-51.5-120425-FDRE	1,2-Dichloroethane-d4	50	61.6	123		70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98		70 (75)	130 (124)
		Toluene-d8	50	48.6	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	62.6	125		70 (77)	130 (121)
Q3787-15	OW-08B-72.5-120425	1,2-Dichloroethane-d4	50	47.1	94		70 (74)	130 (125)
		Dibromofluoromethane	50	59.8	120		70 (75)	130 (124)
		Toluene-d8	50	48.0	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	59.0	118		70 (77)	130 (121)
Q3787-17	OW-08B-72.5-120425-FD	1,2-Dichloroethane-d4	50	60.6	121		70 (74)	130 (125)
		Dibromofluoromethane	50	68.2	136	*	70 (75)	130 (124)

( ) = LABORATORY INHOUSE LIMIT

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

SDG No.: Q3787

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3787-17	OW-08B-72.5-120425-FD	Toluene-d8	50	47.5	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	59.0	118		70 (77)	130 (121)
Q3787-17RE	OW-08B-72.5-120425-FDRE	1,2-Dichloroethane-d4	50	58.6	117		70 (74)	130 (125)
		Dibromofluoromethane	50	47.5	95		70 (75)	130 (124)
		Toluene-d8	50	47.0	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	61.4	123		70 (77)	130 (121)
Q3787-19	OW-02B-21.2-120425	1,2-Dichloroethane-d4	50	53.7	107		70 (74)	130 (125)
		Dibromofluoromethane	50	47.0	94		70 (75)	130 (124)
		Toluene-d8	50	46.8	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	60.7	121		70 (77)	130 (121)
Q3787-21	TB01-120425	1,2-Dichloroethane-d4	50	55.8	112		70 (74)	130 (125)
		Dibromofluoromethane	50	46.7	93		70 (75)	130 (124)
		Toluene-d8	50	46.2	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	59.2	118		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)
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)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3787 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, In **Datafile :** VX048764.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3787-02MS		**Client Sample ID : MW-15B-42.5-120425-MS**									
Vinyl chloride	50	1.30	51.8	ug/L	101				70 (69)	130 (125)	
1,1-Dichloroethene	50	0	49.2	ug/L	98				70 (80)	130 (124)	
1,1-Dichloroethane	50	0	58.8	ug/L	118				70 (78)	130 (122)	
cis-1,2-Dichloroethene	50	3.30	59.1	ug/L	112				70 (55)	130 (150)	
1,1,1-Trichloroethane	50	0	51.6	ug/L	103				70 (83)	130 (117)	
Benzene	50	0	49.9	ug/L	100				70 (81)	130 (128)	
1,2-Dichloroethane	50	0	52.7	ug/L	105				70 (76)	130 (120)	
Trichloroethene	50	6.20	52.5	ug/L	93				70 (44)	130 (168)	
1,1,2-Trichloroethane	50	0	51.4	ug/L	103				70 (73)	130 (136)	
Tetrachloroethene	50	0	38.7	ug/L	77				70 (63)	130 (122)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3787 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, In **Datafile :** VX048765.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3787-03MSD		**Client Sample ID : MW-15B-42.5-120425-MSD**									
Vinyl chloride	50	1.30	50.9	ug/L	99		2		70 (69)	130 (125)	20 (20)
1,1-Dichloroethene	50	0	49.7	ug/L	99		1		70 (80)	130 (124)	20 (20)
1,1-Dichloroethane	50	0	60.4	ug/L	121		3		70 (78)	130 (122)	20 (20)
cis-1,2-Dichloroethene	50	3.30	60.7	ug/L	115		3		70 (55)	130 (150)	20 (20)
1,1,1-Trichloroethane	50	0	53.2	ug/L	106		3		70 (83)	130 (117)	20 (20)
Benzene	50	0	50.1	ug/L	100		0		70 (81)	130 (128)	20 (20)
1,2-Dichloroethane	50	0	55.2	ug/L	110		5		70 (76)	130 (120)	20 (20)
Trichloroethene	50	6.20	52.7	ug/L	93		0		70 (44)	130 (168)	20 (20)
1,1,2-Trichloroethane	50	0	51.4	ug/L	103		0		70 (73)	130 (136)	20 (20)
Tetrachloroethene	50	0	39.5	ug/L	79		2		70 (63)	130 (122)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3787 **Analytical Method:** SW8260-Low

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

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

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3787 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, Inc. **Datafile :** VX048799.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits 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

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1208WBL01

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3787

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

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

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1208WBS01	VX1208WBS01	VX048745.D	12/08/2025
MW-15B-42.5-120425	Q3787-01	VX048749.D	12/08/2025
OWBR-02-170-120425	Q3787-07	VX048752.D	12/08/2025
OWBR-02-170-120425-FD	Q3787-09	VX048753.D	12/08/2025
OW-03B-51.5-120425	Q3787-11	VX048754.D	12/08/2025
OW-03B-51.5-120425-FD	Q3787-13	VX048755.D	12/08/2025
OW-08B-72.5-120425	Q3787-15	VX048756.D	12/08/2025
OW-08B-72.5-120425-FD	Q3787-17	VX048757.D	12/08/2025
MW-15B-42.5-120425-MS	Q3787-02MS	VX048764.D	12/08/2025
MW-15B-42.5-120425-MSD	Q3787-03MSD	VX048765.D	12/08/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1210WBL01

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3787

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
OWBR-02-170-120425RE	Q3787-07RE	VX048807.D	12/10/2025
OWBR-02-170-120425-FDRE	Q3787-09RE	VX048808.D	12/10/2025
OW-03B-51.5-120425RE	Q3787-11RE	VX048809.D	12/10/2025
OW-03B-51.5-120425-FDRE	Q3787-13RE	VX048810.D	12/10/2025
OW-08B-72.5-120425-FDRE	Q3787-17RE	VX048811.D	12/10/2025
OW-02B-21.2-120425	Q3787-19	VX048812.D	12/10/2025
TB01-120425	Q3787-21	VX048813.D	12/10/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3787

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

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

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	51.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	76.2
175	5.0 - 9.0% of mass 174	5.9 (7.8) 1
176	95.0 - 101.0% of mass 174	74.4 (97.7) 1
177	5.0 - 9.0% of mass 176	4.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

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

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: JACO05
Lab Code: ACE
SDG NO.: Q3787
Lab File ID: VX048741.D
BFB Injection Date: 12/08/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:17
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	80.1
175	5.0 - 9.0% of mass 174	6 (7.5) 1
176	95.0 - 101.0% of mass 174	76.4 (95.3) 1
177	5.0 - 9.0% of mass 176	5.3 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048742.D	12/08/2025	09:20
VX1208WBL01	VX1208WBL01	VX048744.D	12/08/2025	11:15
VX1208WBS01	VX1208WBS01	VX048745.D	12/08/2025	11:44
MW-15B-42.5-120425	Q3787-01	VX048749.D	12/08/2025	13:14
OWBR-02-170-120425	Q3787-07	VX048752.D	12/08/2025	14:16
OWBR-02-170-120425-FD	Q3787-09	VX048753.D	12/08/2025	14:36
OW-03B-51.5-120425	Q3787-11	VX048754.D	12/08/2025	14:57
OW-03B-51.5-120425-FD	Q3787-13	VX048755.D	12/08/2025	15:18
OW-08B-72.5-120425	Q3787-15	VX048756.D	12/08/2025	15:38
OW-08B-72.5-120425-FD	Q3787-17	VX048757.D	12/08/2025	15:59
MW-15B-42.5-120425-MS	Q3787-02MS	VX048764.D	12/08/2025	18:22
MW-15B-42.5-120425-MSD	Q3787-03MSD	VX048765.D	12/08/2025	18:43

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3787

Lab File ID: VX048795.D | BFB Injection Date: 12/10/2025

Instrument ID: MSVOA_X | BFB Injection Time: 09:13

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	50.9
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
OWBR-02-170-120425RE	Q3787-07RE	VX048807.D	12/10/2025	13:49
OWBR-02-170-120425-FDRE	Q3787-09RE	VX048808.D	12/10/2025	14:10
OW-03B-51.5-120425RE	Q3787-11RE	VX048809.D	12/10/2025	14:30
OW-03B-51.5-120425-FDRE	Q3787-13RE	VX048810.D	12/10/2025	14:51
OW-08B-72.5-120425-FDRE	Q3787-17RE	VX048811.D	12/10/2025	15:11
OW-02B-21.2-120425	Q3787-19	VX048812.D	12/10/2025	15:32
TB01-120425	Q3787-21	VX048813.D	12/10/2025	15:53

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q3787

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

Instrument ID: MSVOA_X Time Analyzed: 09:20

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	174813	5.53	271670	6.74	259893	10.04
UPPER LIMIT	349626	6.031	543340	7.239	519786	10.537
LOWER LIMIT	87406.5	5.031	135835	6.239	129947	9.537
EPA SAMPLE NO.						
MW-15B-42.5-120425	120816	5.54	219416	6.75	321746	10.04
MW-15B-42.5-120425-MS	149218	5.54	267773	6.75	245391	10.04
MW-15B-42.5-120425-MSD	132053	5.54	236459	6.75	210246	10.04
OWBR-02-170-120425	152251	5.54	235496	6.75	353865	10.04
OWBR-02-170-120425-FD	129874	5.54	212277	6.74	232388	10.04
OW-03B-51.5-120425	160355	5.54	343808	6.75	352510	10.04
OW-03B-51.5-120425-FD	121788	5.54	204088	6.75	259488	10.04
OW-08B-72.5-120425	124545	5.54	210799	6.75	312315	10.04
OW-08B-72.5-120425-FD	127845	5.54	199202	6.75	216738	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q3787

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

Instrument ID: MSVOA_X Time Analyzed: 09:20

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

	IS4 AREA #	RT #				
12 HOUR STD	132353	12				
UPPER LIMIT	264706	12.5				
LOWER LIMIT	66176.5	11.5				
EPA SAMPLE NO.						
MW-15B-42.5-120425	129079	12.01				
MW-15B-42.5-120425-MS	125815	12.01				
MW-15B-42.5-120425-MSD	103730	12.01				
OWBR-02-170-120425	191518	12.01				
OWBR-02-170-120425-FD	176527	12.01				
OW-03B-51.5-120425	128068	12.01				
OW-03B-51.5-120425-FD	118375	12.01				
OW-08B-72.5-120425	119855	12.01				
OW-08B-72.5-120425-FD	171945	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q3787

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.						
OWBR-02-170-120425RE	160525	5.54	337243	6.75	371573	10.04
OWBR-02-170-120425-FDRE	150728	5.54	313869	6.75	341495	10.04
OW-03B-51.5-120425RE	142606	5.54	299203	6.75	326420	10.04
OW-03B-51.5-120425-FDRE	152091	5.54	320261	6.75	354570	10.04
OW-08B-72.5-120425-FDRE	154804	5.54	318388	6.75	343017	10.04
OW-02B-21.2-120425	138008	5.54	284336	6.75	306079	10.04
TB01-120425	137750	5.54	283821	6.75	308054	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q3787

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.						
OWBR-02-170-120425RE	199241	12.01				
OWBR-02-170-120425-FDRE	184829	12.01				
OW-03B-51.5-120425RE	172615	12.01				
OW-03B-51.5-120425-FDRE	184719	12.01				
OW-08B-72.5-120425-FDRE	186375	12.01				
OW-02B-21.2-120425	165546	12.01				
TB01-120425	167960	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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX1208WBL01	SDG No.:	Q3787
Lab Sample ID:	VX1208WBL01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

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

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

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX1210WBL01	SDG No.:	Q3787
Lab Sample ID:	VX1210WBL01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/10/25 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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX1208WBS01	SDG No.:	Q3787
Lab Sample ID:	VX1208WBS01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

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

U = Not Detected
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J = Estimated Value
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N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX1210WBS01	SDG No.:	Q3787
Lab Sample ID:	VX1210WBS01	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	16.7		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							

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	MW-15B-42.5-120425-MS	SDG No.:	Q3787
Lab Sample ID:	Q3787-02MS	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	51.8		1	0.26	1.00	ug/L	12/08/25 18:22	VX120825
75-35-4	1,1-Dichloroethene	49.2		1	0.23	1.00	ug/L	12/08/25 18:22	VX120825
75-34-3	1,1-Dichloroethane	58.8		1	0.23	1.00	ug/L	12/08/25 18:22	VX120825
156-59-2	cis-1,2-Dichloroethene	59.1		1	0.19	1.00	ug/L	12/08/25 18:22	VX120825
71-55-6	1,1,1-Trichloroethane	51.6		1	0.20	1.00	ug/L	12/08/25 18:22	VX120825
71-43-2	Benzene	49.9		1	0.15	1.00	ug/L	12/08/25 18:22	VX120825
107-06-2	1,2-Dichloroethane	52.7		1	0.22	1.00	ug/L	12/08/25 18:22	VX120825
79-01-6	Trichloroethene	52.5		1	0.090	1.00	ug/L	12/08/25 18:22	VX120825
79-00-5	1,1,2-Trichloroethane	51.4		1	0.21	1.00	ug/L	12/08/25 18:22	VX120825
127-18-4	Tetrachloroethene	38.7		1	0.23	1.00	ug/L	12/08/25 18:22	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.5			70 (74) - 130 (125)	117%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.6			70 (75) - 130 (124)	97%	SPK: 50		
2037-26-5	Toluene-d8	46.5			70 (86) - 130 (113)	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.9			70 (77) - 130 (121)	102%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	149000							
540-36-3	1,4-Difluorobenzene	268000							
3114-55-4	Chlorobenzene-d5	245000							
3855-82-1	1,4-Dichlorobenzene-d4	126000							

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	MW-15B-42.5-120425-MSI	SDG No.:	Q3787
Lab Sample ID:	Q3787-03MSD	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	50.9		1	0.26	1.00	ug/L	12/08/25 18:43	VX120825
75-35-4	1,1-Dichloroethene	49.7		1	0.23	1.00	ug/L	12/08/25 18:43	VX120825
75-34-3	1,1-Dichloroethane	60.4		1	0.23	1.00	ug/L	12/08/25 18:43	VX120825
156-59-2	cis-1,2-Dichloroethene	60.7		1	0.19	1.00	ug/L	12/08/25 18:43	VX120825
71-55-6	1,1,1-Trichloroethane	53.2		1	0.20	1.00	ug/L	12/08/25 18:43	VX120825
71-43-2	Benzene	50.1		1	0.15	1.00	ug/L	12/08/25 18:43	VX120825
107-06-2	1,2-Dichloroethane	55.2		1	0.22	1.00	ug/L	12/08/25 18:43	VX120825
79-01-6	Trichloroethene	52.7		1	0.090	1.00	ug/L	12/08/25 18:43	VX120825
79-00-5	1,1,2-Trichloroethane	51.4		1	0.21	1.00	ug/L	12/08/25 18:43	VX120825
127-18-4	Tetrachloroethene	39.5		1	0.23	1.00	ug/L	12/08/25 18:43	VX120825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.2			70 (74) - 130 (125)	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	44.0			70 (75) - 130 (124)	88%	SPK: 50		
2037-26-5	Toluene-d8	43.2			70 (86) - 130 (113)	86%	SPK: 50		
460-00-4	4-Bromofluorobenzene	44.5			70 (77) - 130 (121)	89%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	132000							
540-36-3	1,4-Difluorobenzene	236000							
3114-55-4	Chlorobenzene-d5	210000							
3855-82-1	1,4-Dichlorobenzene-d4	104000							

U = Not Detected
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A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q3787

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

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

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

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

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

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG No.: Q3787

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

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

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

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.685	0.671		-2.04	20
1,1-Dichloroethene	0.581	0.547		-5.85	20
1,1-Dichloroethane	1.016	1.086	0.1	6.89	20
cis-1,2-Dichloroethene	0.669	0.701		4.78	20
1,1,1-Trichloroethane	0.975	0.976		0.1	20
Benzene	1.398	1.441		3.08	20
1,2-Dichloroethane	0.495	0.558		12.73	20
Trichloroethene	0.365	0.370		1.37	20
1,1,2-Trichloroethane	0.339	0.389		14.75	20
Tetrachloroethene	0.364	0.345		-5.22	20
1,2-Dichloroethane-d4	0.671	0.665		-0.89	20
Dibromofluoromethane	0.344	0.346		0.58	20
Toluene-d8	1.207	1.218		0.91	20
4-Bromofluorobenzene	0.416	0.450		8.17	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q3787

Instrument ID: MSVOA_X Calibration Date/Time: 12/10/2025 09:40

Lab File ID: VX048796.D Init. Calib. Date(s): 12/04/2025 12/04/2025

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

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.685	0.681		-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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048749.D
Acq On : 08 Dec 2025 13:14
Operator : JC/MD
Sample : Q3787-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425

Quant Time: Dec 09 04:09:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

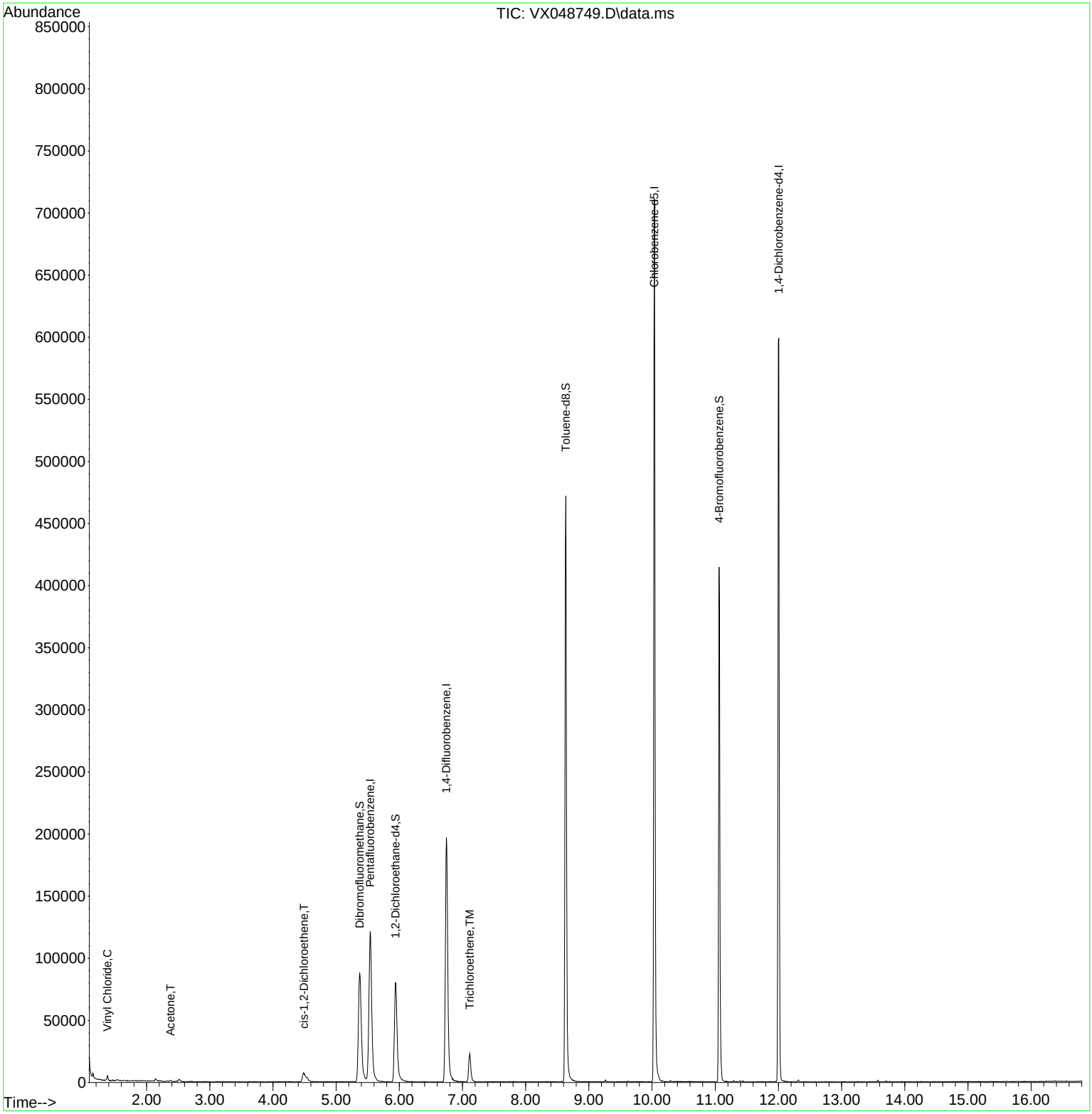
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	120816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	219416	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	321746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	87950	54.237	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.480%			
35) Dibromofluoromethane	5.373	113	83126	55.022	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.040%			
50) Toluene-d8	8.634	98	292656	55.263	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.520%			
62) 4-Bromofluorobenzene	11.061	95	107576	58.909	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.820%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.380	62	2144	1.296	ug/l	94
16) Acetone	2.379	43	1674	2.697	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	5339	3.304	ug/l	96
44) Trichloroethene	7.116	130	9908	6.190	ug/l	94

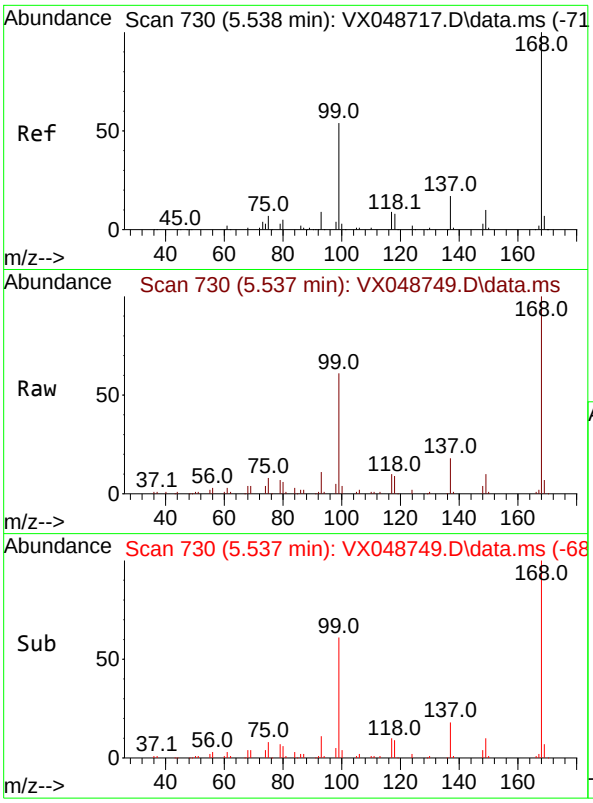
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048749.D
Acq On : 08 Dec 2025 13:14
Operator : JC/MD
Sample : Q3787-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425

Quant Time: Dec 09 04:09:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



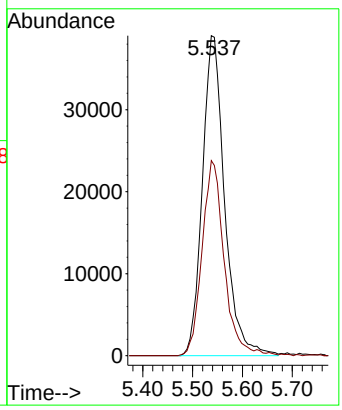


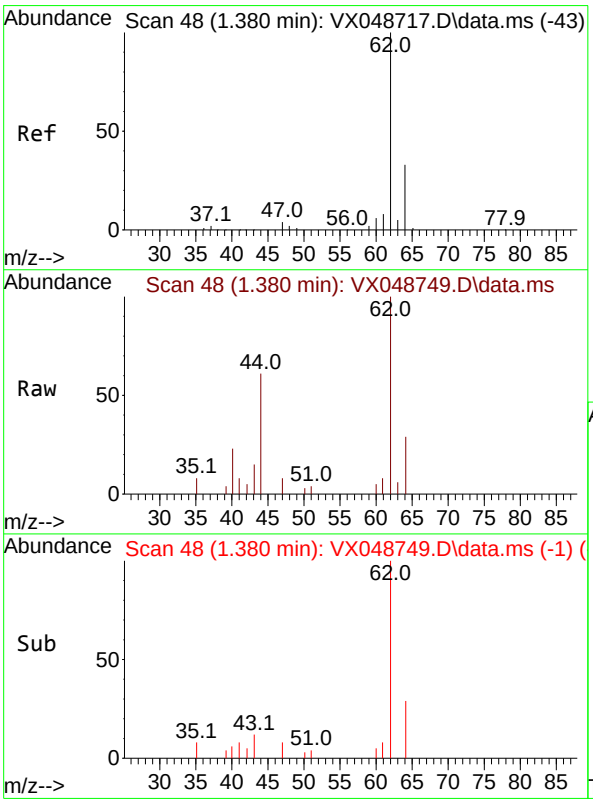
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX048749.D
Acq: 08 Dec 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425

Tgt Ion:168 Resp: 120816

Ion	Ratio	Lower	Upper
168	100		
99	61.0	44.2	66.4

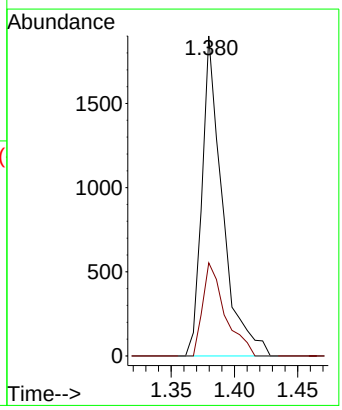




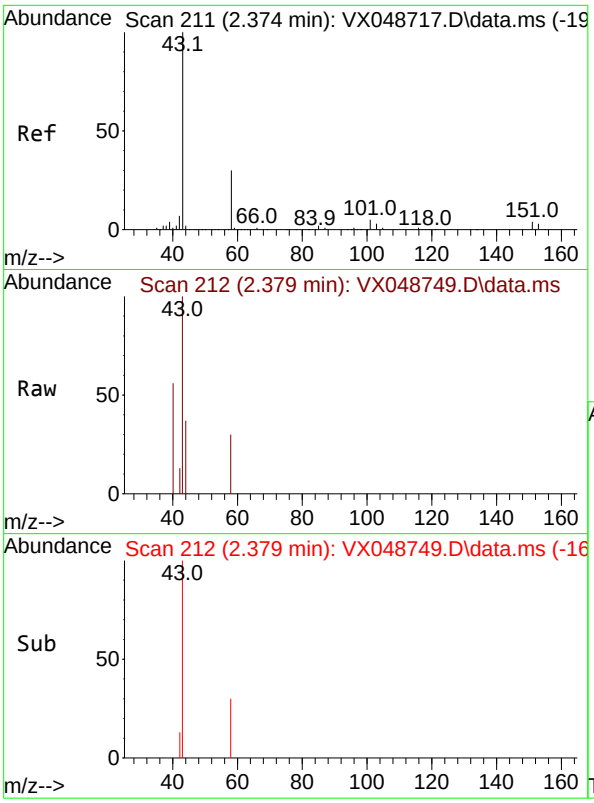
#4
Vinyl Chloride
Concen: 1.296 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048749.D
Acq: 08 Dec 2025 13:14

Tgt Ion: 62 Resp: 2144

Ion	Ratio	Lower	Upper
62	100		
64	29.1	26.0	39.0



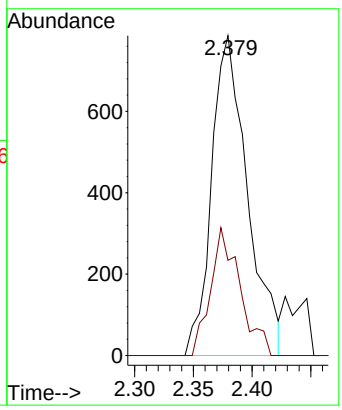
Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425

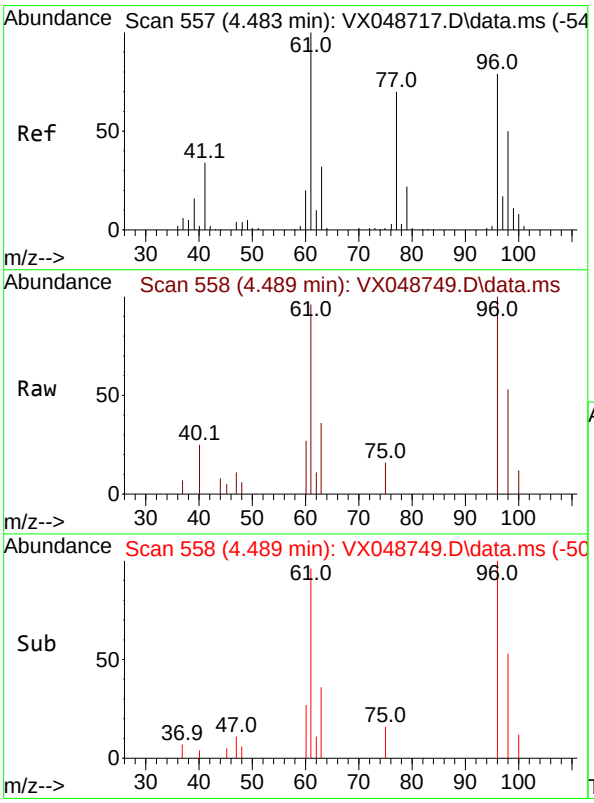


#16
Acetone
Concen: 2.697 ug/l
RT: 2.379 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048749.D
Acq: 08 Dec 2025 13:14

Tgt Ion: 43 Resp: 1674

Ion	Ratio	Lower	Upper
43	100		
58	29.8	25.0	37.4

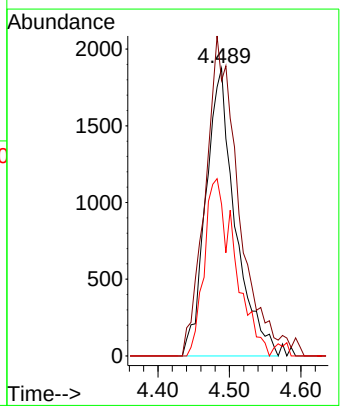


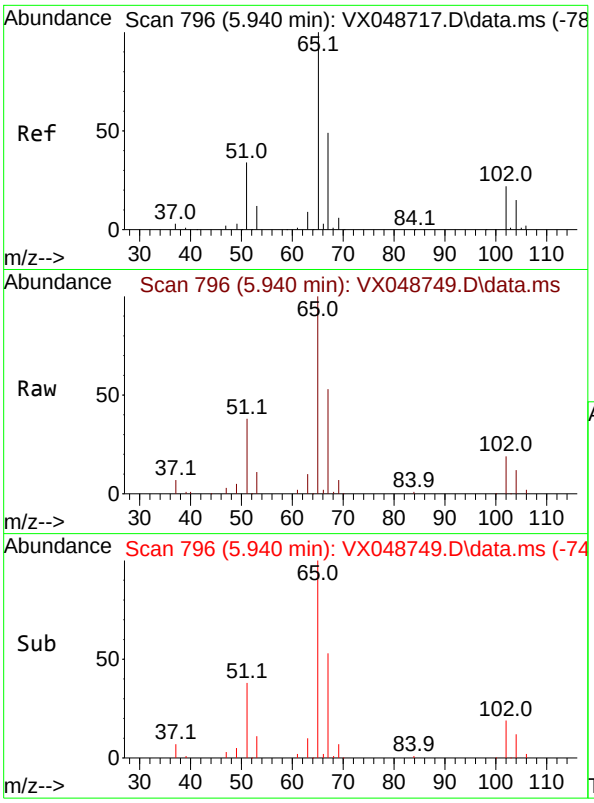


#27
cis-1,2-Dichloroethene
Concen: 3.304 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX048749.D
Acq: 08 Dec 2025 13:14

Tgt Ion: 96 Resp: 5339

Ion	Ratio	Lower	Upper
96	100		
61	128.1	0.0	271.0
98	64.4	0.0	130.2



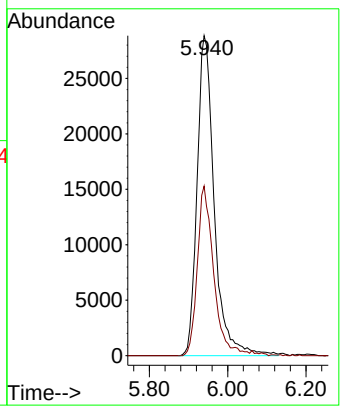


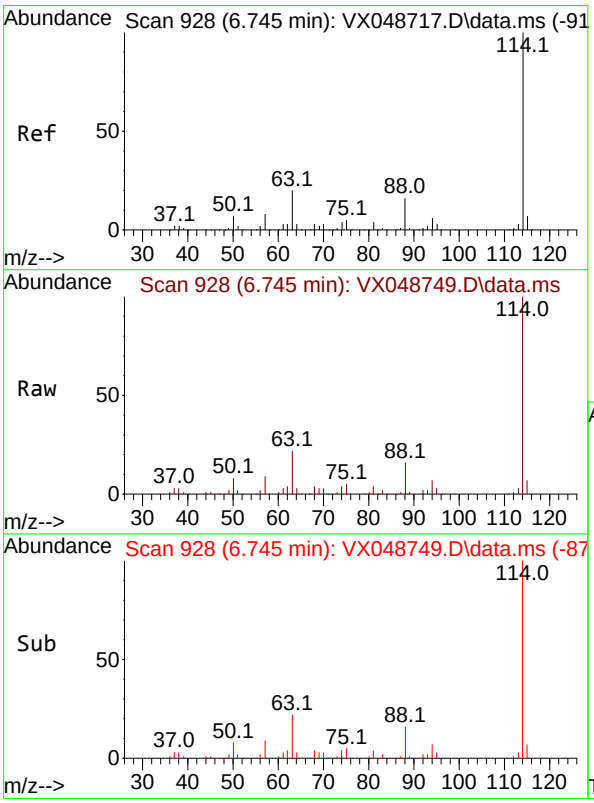
#33
1,2-Dichloroethane-d4
Concen: 54.237 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048749.D
Acq: 08 Dec 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425

Tgt Ion: 65 Resp: 87950

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	107.4

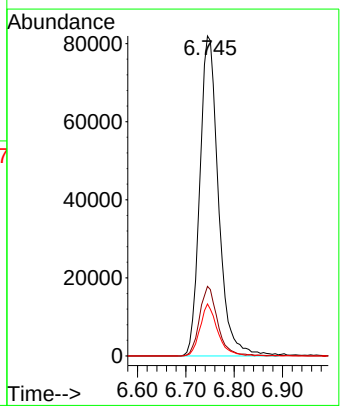




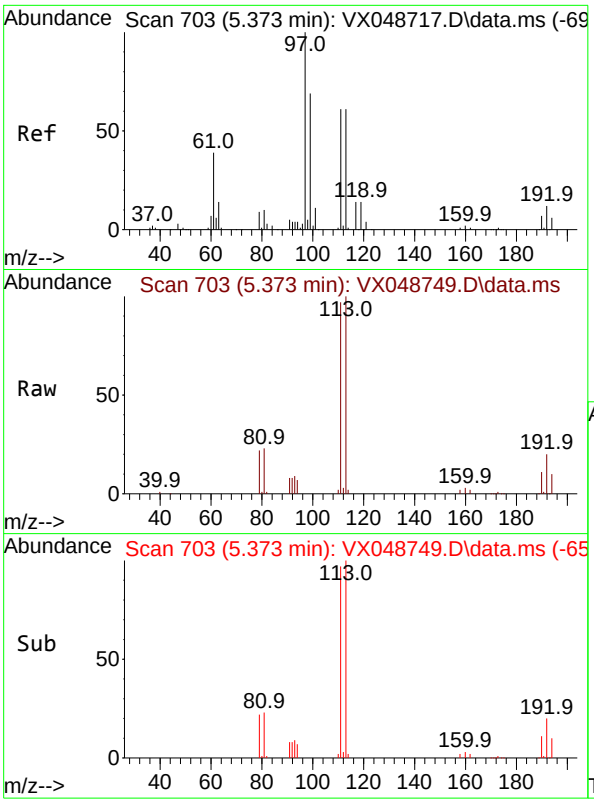
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048749.D
Acq: 08 Dec 2025 13:14

Tgt Ion:114 Resp: 219416

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	39.0
88	16.3	0.0	31.8



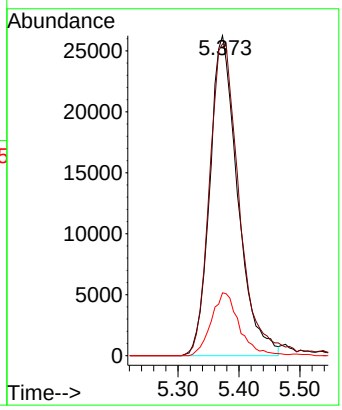
Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425

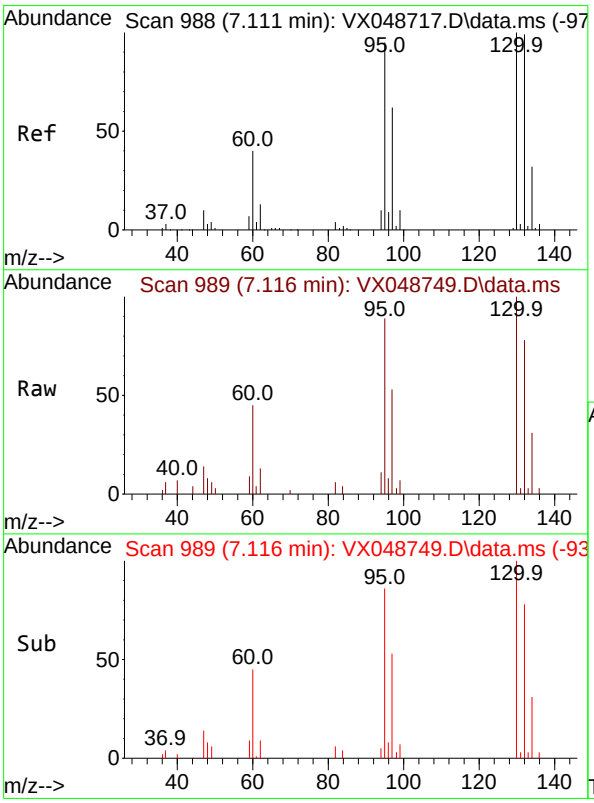


#35
Dibromofluoromethane
Concen: 55.022 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048749.D
Acq: 08 Dec 2025 13:14

Tgt Ion:113 Resp: 83126

Ion	Ratio	Lower	Upper
113	100		
111	105.4	79.5	119.3
192	19.9	16.1	24.1

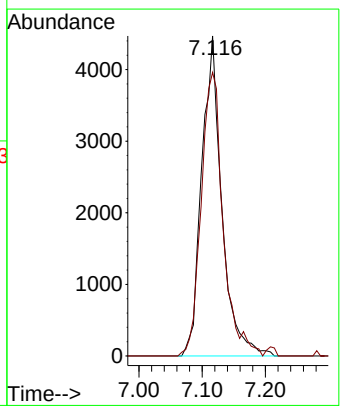


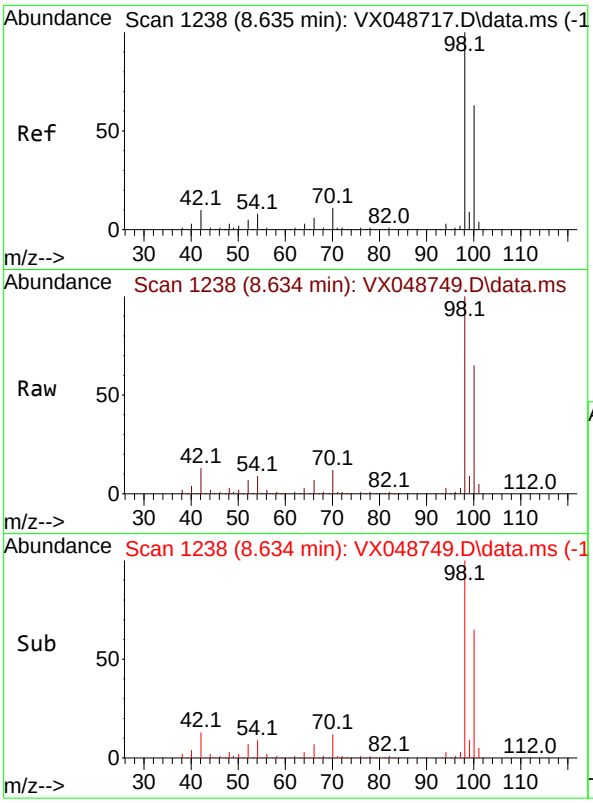


#44
Trichloroethene
Concen: 6.190 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048749.D
Acq: 08 Dec 2025 13:14

Tgt Ion:130 Resp: 9908

Ion	Ratio	Lower	Upper
130	100		
95	88.6	0.0	189.6



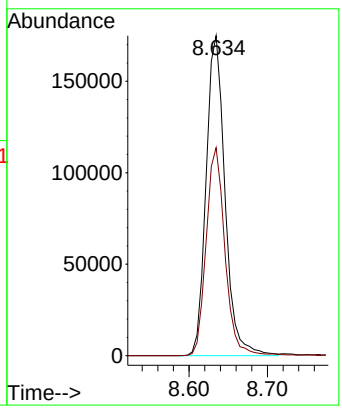


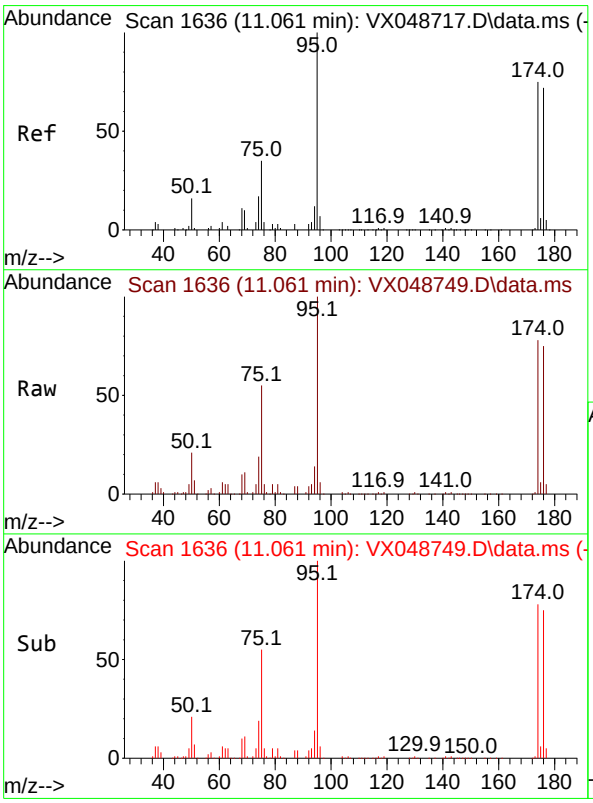
#50
Toluene-d8
Concen: 55.263 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048749.D
Acq: 08 Dec 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425

Tgt Ion: 98 Resp: 292656

Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.4	80.0

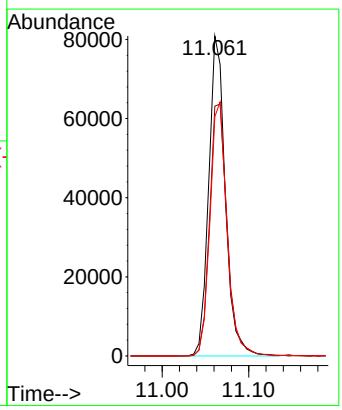


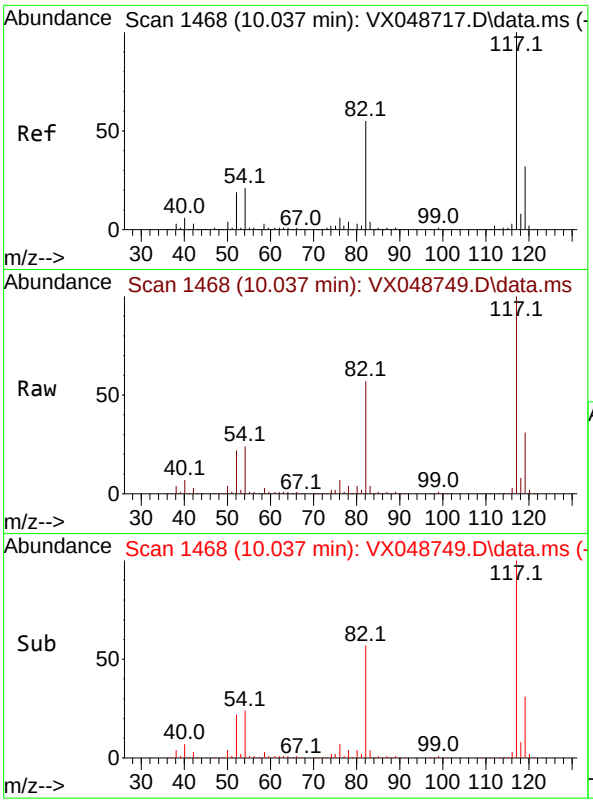


#62
4-Bromofluorobenzene
Concen: 58.909 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048749.D
Acq: 08 Dec 2025 13:14

Tgt Ion: 95 Resp: 107576

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	157.8
176	81.6	0.0	154.0



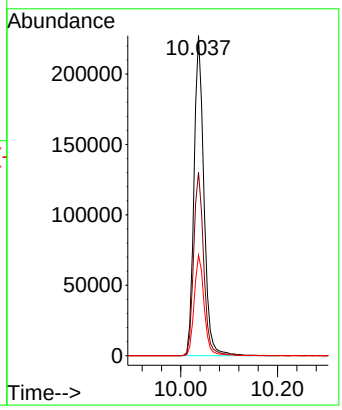


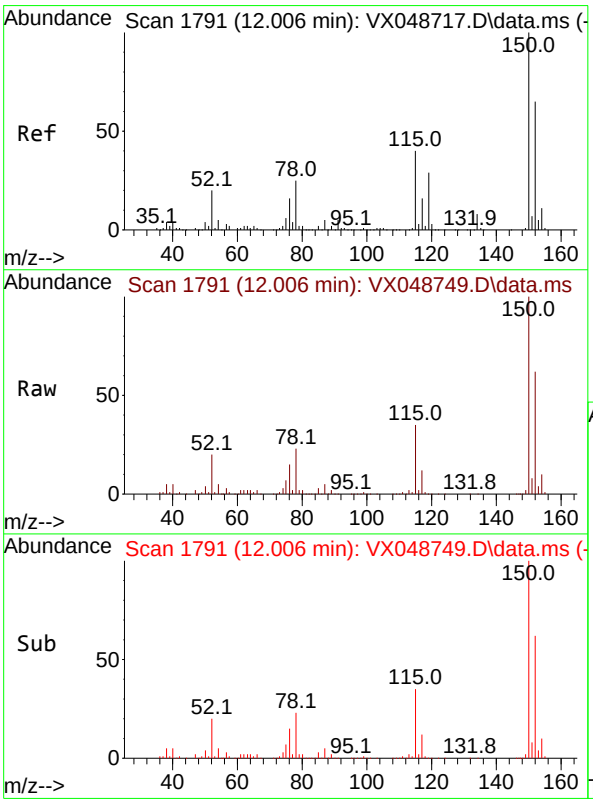
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048749.D
Acq: 08 Dec 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
MW-15B-42.5-120425

Tgt Ion:117 Resp: 321746

Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.1	66.1
119	31.4	25.2	37.8

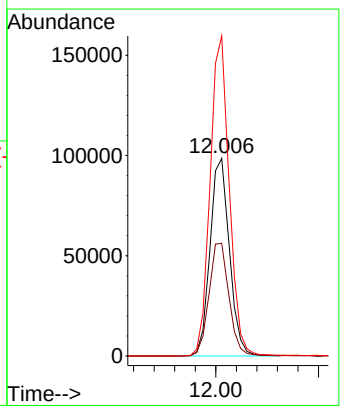




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048749.D
Acq: 08 Dec 2025 13:14

Tgt Ion:152 Resp: 129079

Ion	Ratio	Lower	Upper
152	100		
115	58.7	42.1	126.4
150	159.6	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048752.D
Acq On : 08 Dec 2025 14:16
Operator : JC/MD
Sample : Q3787-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425

Quant Time: Dec 09 04:10:34 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

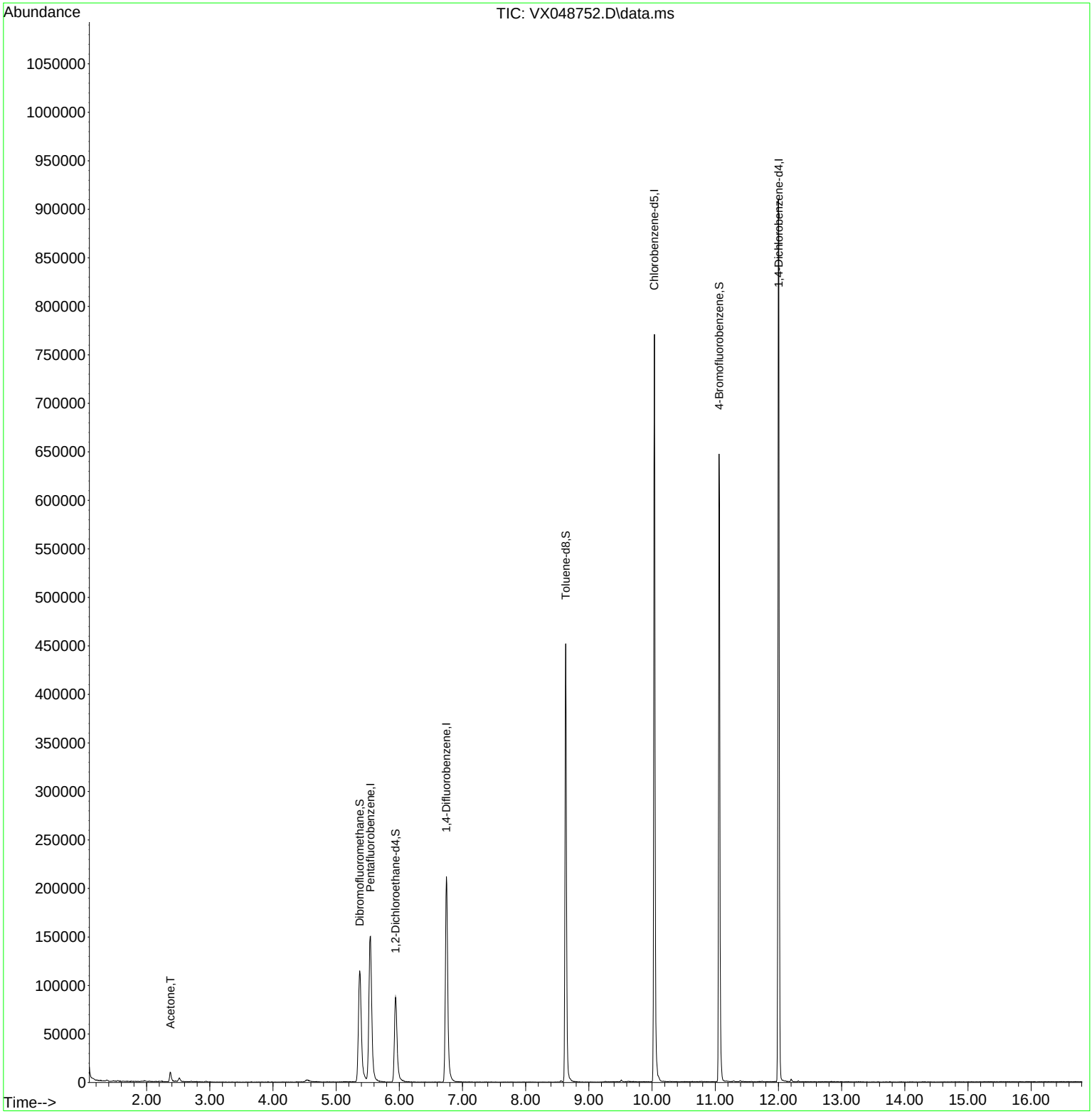
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	152251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	235496	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	353865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	191518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	94036	46.017	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.040%			
35) Dibromofluoromethane	5.373	113	115004	70.925	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 141.860%#			
50) Toluene-d8	8.635	98	277928	48.898	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.800%			
62) 4-Bromofluorobenzene	11.061	95	181933	92.825	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 185.660%#			
Target Compounds						Qvalue
16) Acetone	2.380	43	13237	16.921	ug/l	98

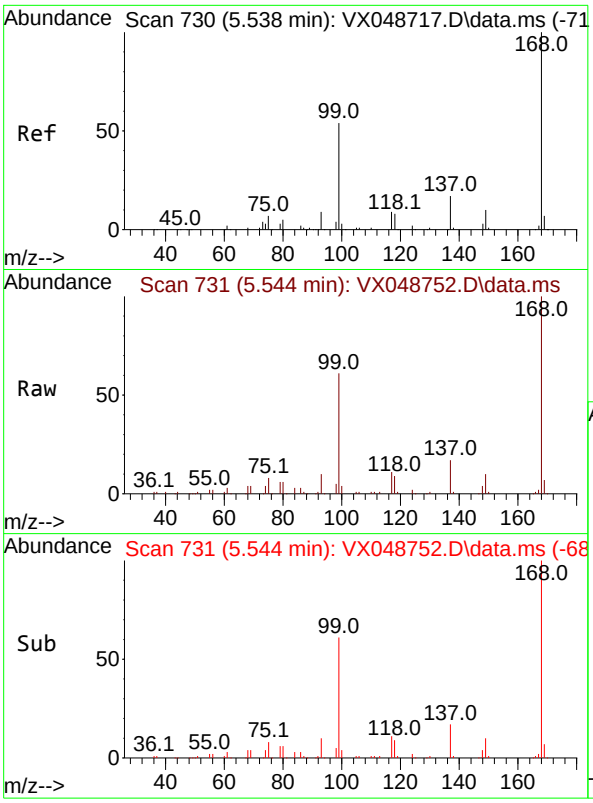
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048752.D
Acq On : 08 Dec 2025 14:16
Operator : JC/MD
Sample : Q3787-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425

Quant Time: Dec 09 04:10:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



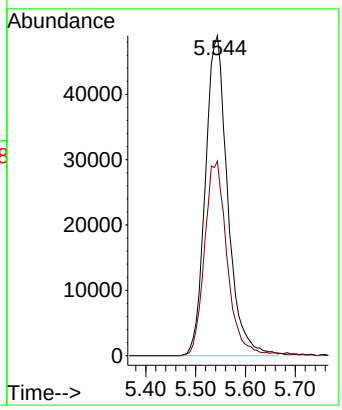


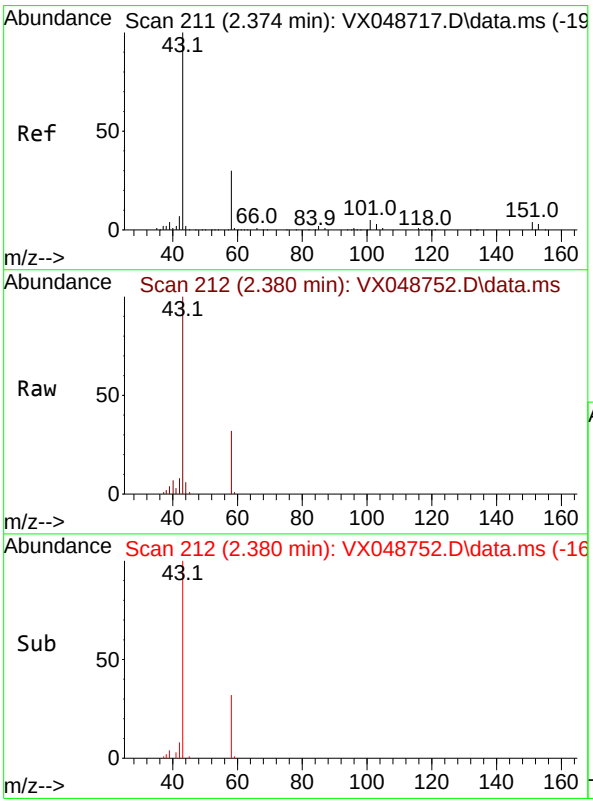
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048752.D
Acq: 08 Dec 2025 14:16

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425

Tgt Ion:168 Resp: 152251

Ion	Ratio	Lower	Upper
168	100		
99	60.8	44.2	66.4

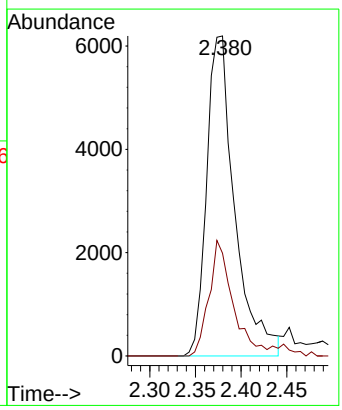


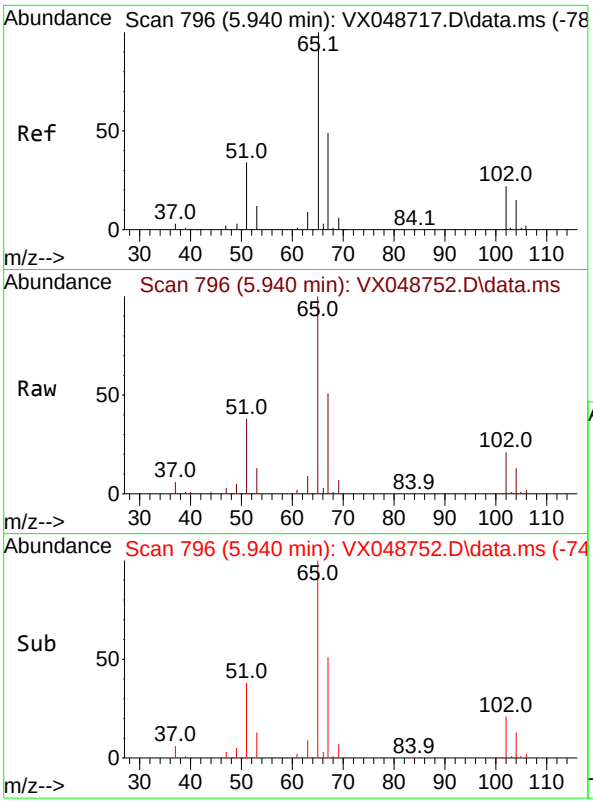


#16
Acetone
Concen: 16.921 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048752.D
Acq: 08 Dec 2025 14:16

Tgt Ion: 43 Resp: 13237

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.0	37.4



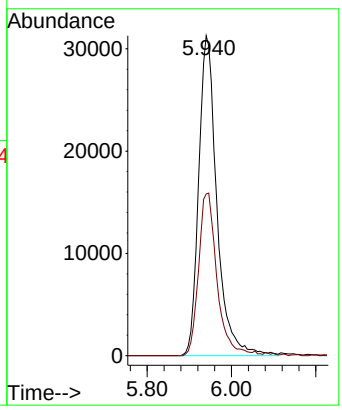


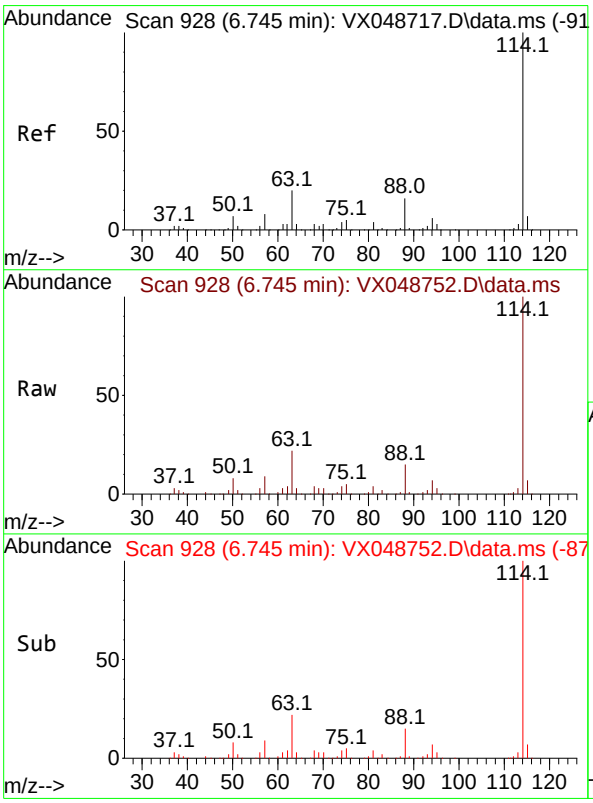
#33
1,2-Dichloroethane-d4
Concen: 46.017 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048752.D
Acq: 08 Dec 2025 14:16

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425

Tgt Ion: 65 Resp: 94036

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	107.4

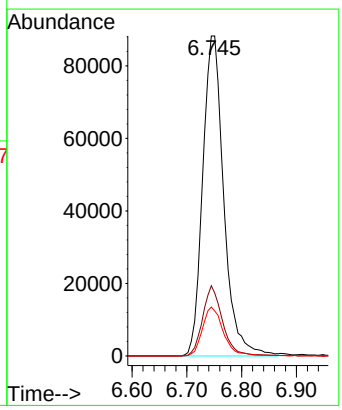


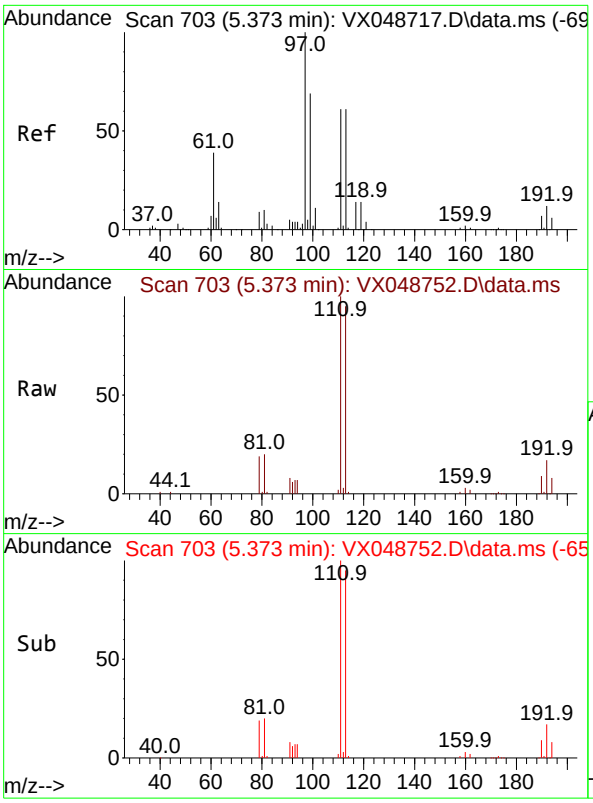


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048752.D
Acq: 08 Dec 2025 14:16

Tgt Ion:114 Resp: 235496

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	39.0
88	15.3	0.0	31.8



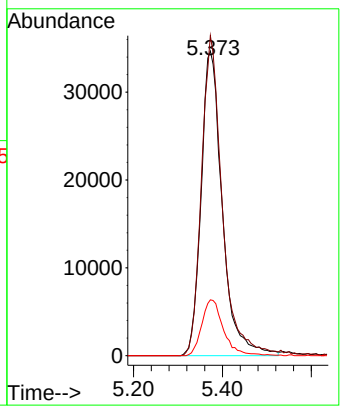


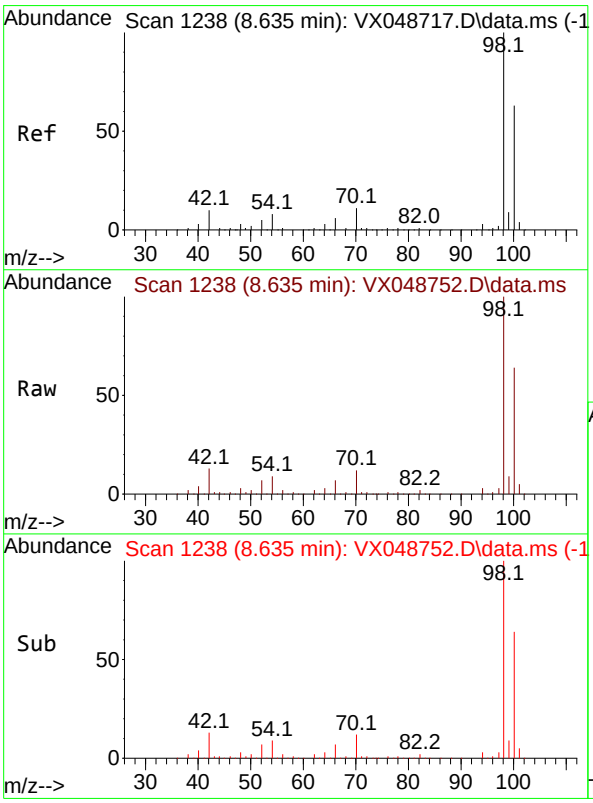
#35
Dibromofluoromethane
Concen: 70.925 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048752.D
Acq: 08 Dec 2025 14:16

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425

Tgt Ion:113 Resp: 115004

Ion	Ratio	Lower	Upper
113	100		
111	103.6	79.5	119.3
192	18.7	16.1	24.1

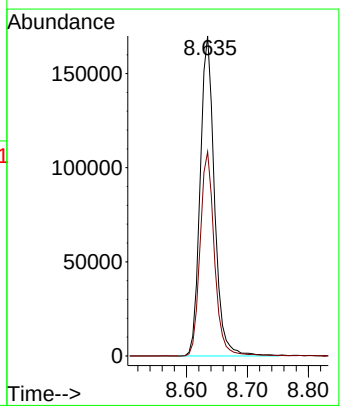


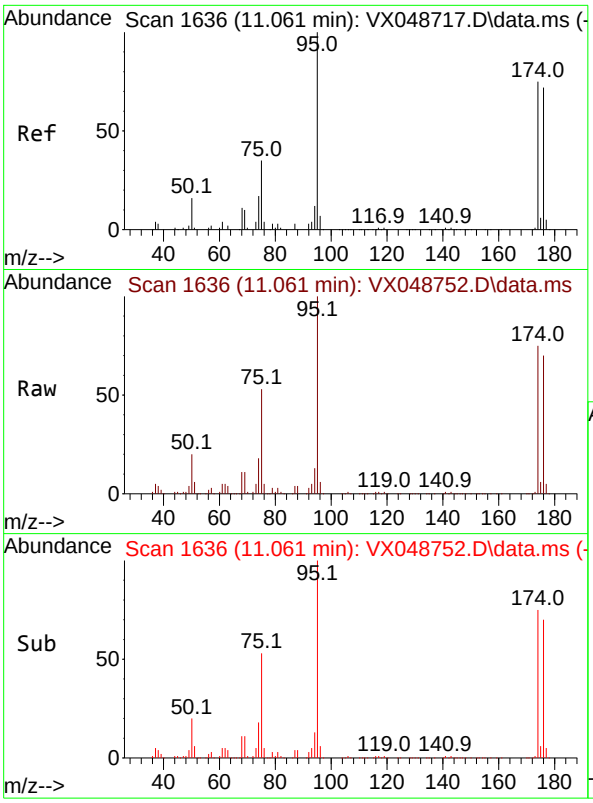


#50
Toluene-d8
Concen: 48.898 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048752.D
Acq: 08 Dec 2025 14:16

Tgt Ion: 98 Resp: 277928

Ion	Ratio	Lower	Upper
98	100		
100	63.8	53.4	80.0



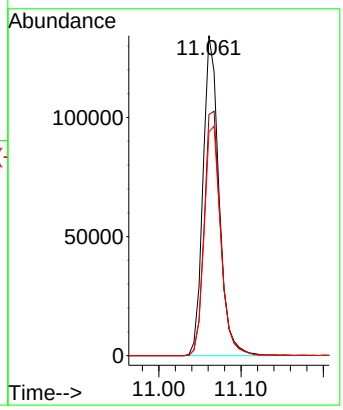


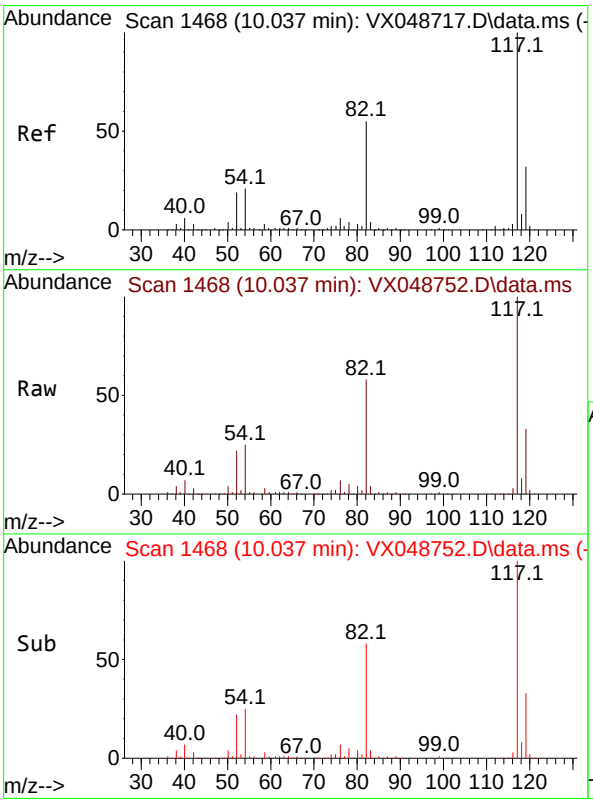
#62
4-Bromofluorobenzene
Concen: 92.825 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048752.D
Acq: 08 Dec 2025 14:16

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425

Tgt Ion: 95 Resp: 181933

Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	157.8
176	74.9	0.0	154.0

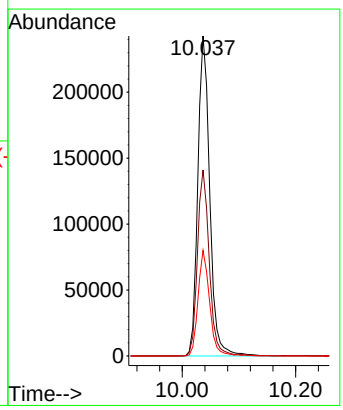


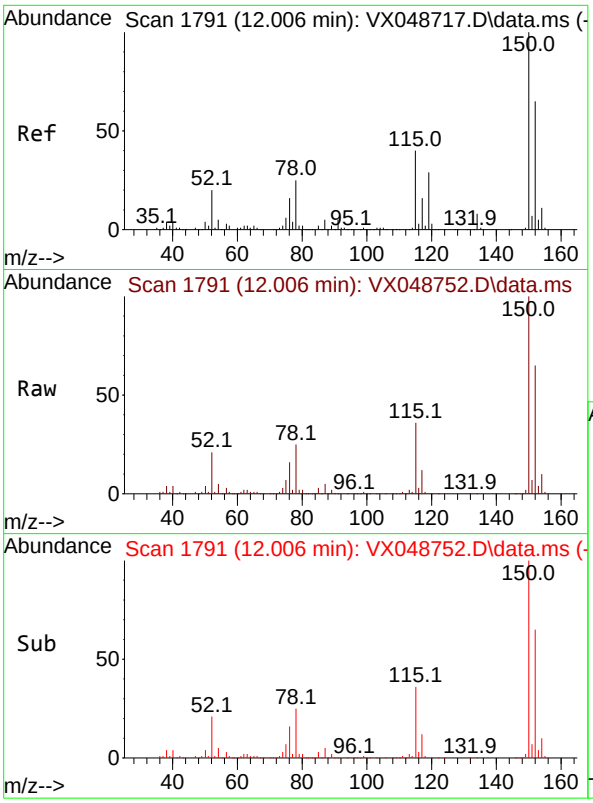


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048752.D
Acq: 08 Dec 2025 14:16

Tgt Ion:117 Resp: 353865

Ion	Ratio	Lower	Upper
117	100		
82	58.1	44.1	66.1
119	33.0	25.2	37.8



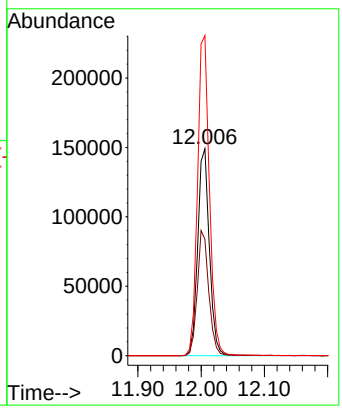


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048752.D
Acq: 08 Dec 2025 14:16

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425

Tgt Ion:152 Resp: 191518

Ion	Ratio	Lower	Upper
152	100		
115	59.6	42.1	126.4
150	157.4	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048807.D
Acq On : 10 Dec 2025 13:49
Operator : JC/MD
Sample : Q3787-07RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425RE

Quant Time: Dec 11 00:21:56 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

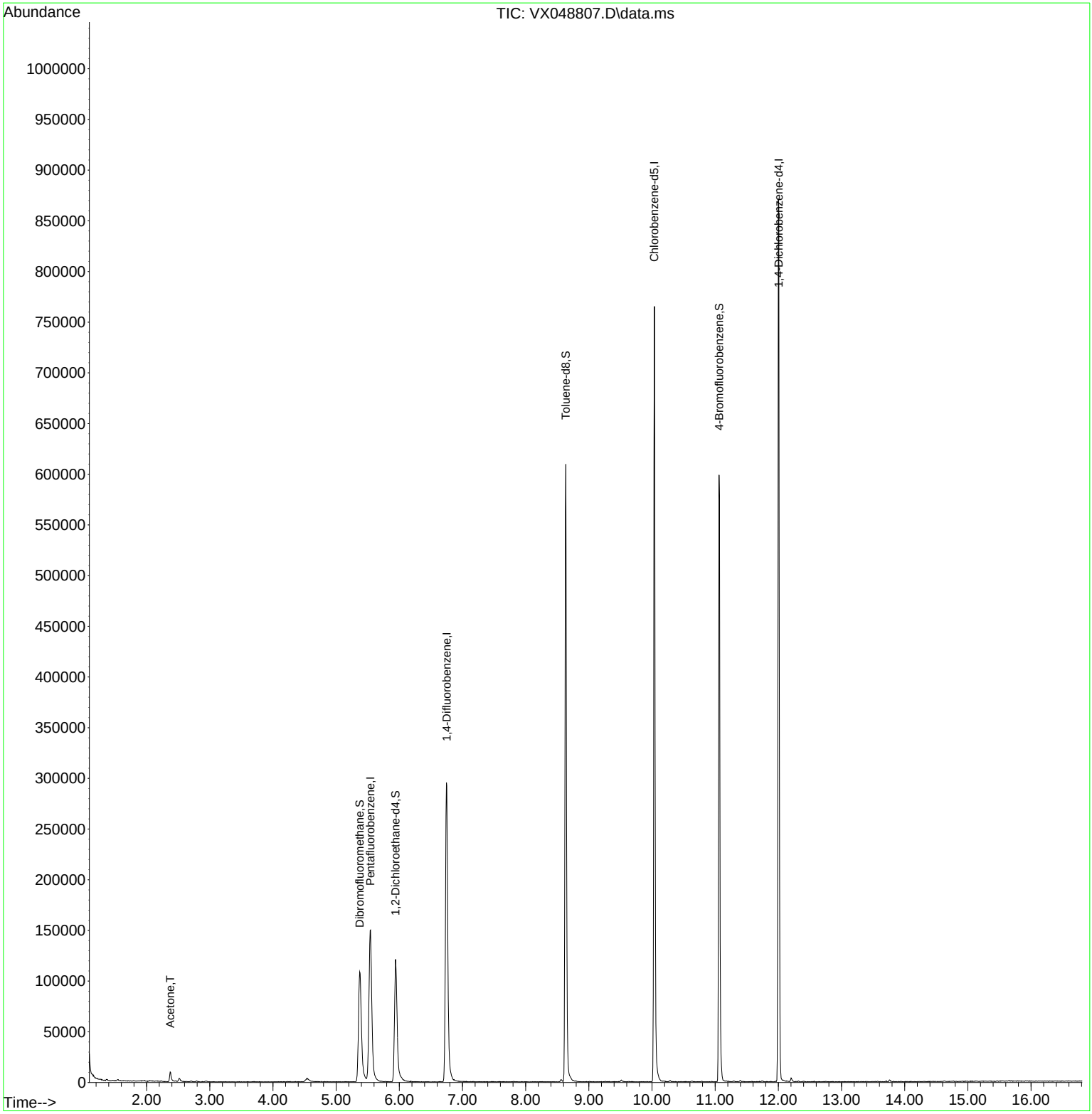
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	160525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	337243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	371573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	199241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	129478	60.095	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 120.200%#			
35) Dibromofluoromethane	5.373	113	110759	47.699	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.400%			
50) Toluene-d8	8.635	98	387316	47.585	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.160%			
62) 4-Bromofluorobenzene	11.061	95	175644	62.579	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 125.160%#			
Target Compounds						Qvalue
16) Acetone	2.374	43	12860	15.592	ug/l	96

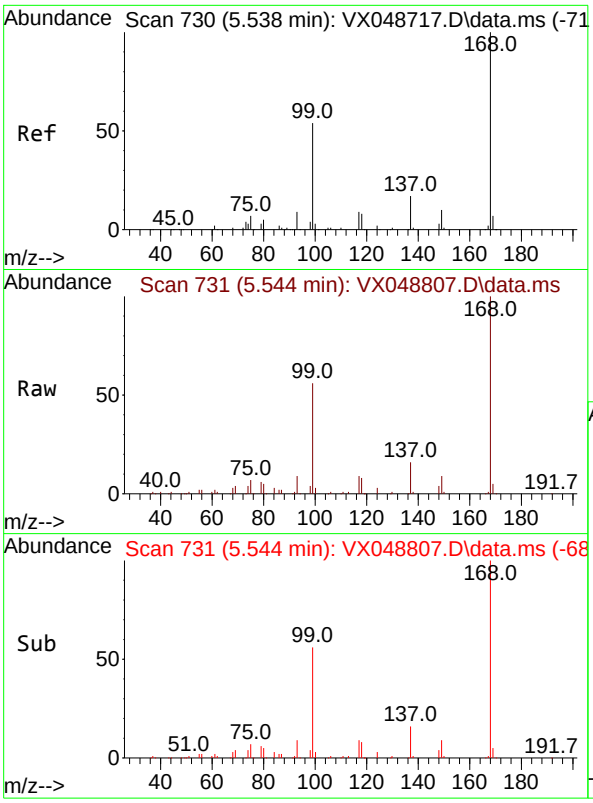
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048807.D
Acq On : 10 Dec 2025 13:49
Operator : JC/MD
Sample : Q3787-07RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425RE

Quant Time: Dec 11 00:21:56 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



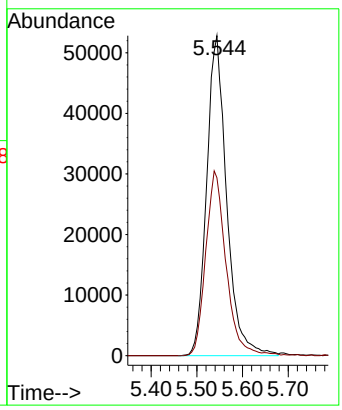


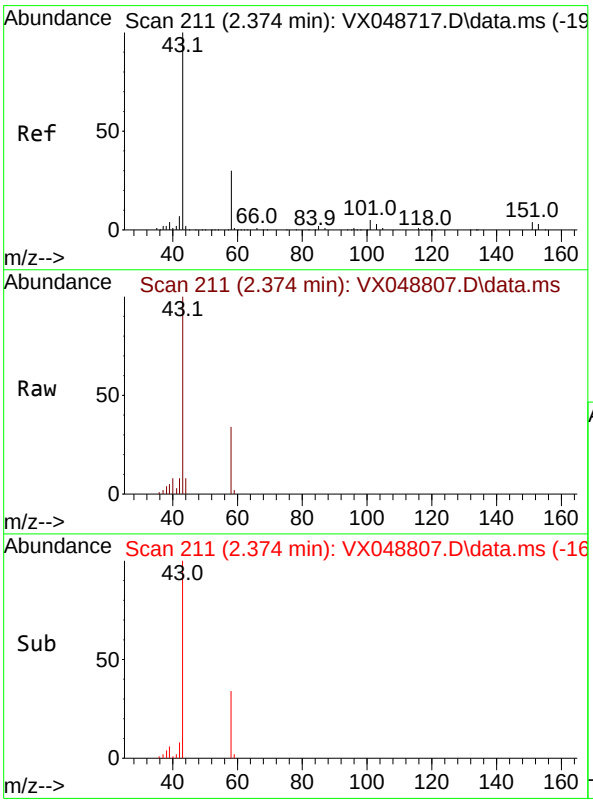
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048807.D
Acq: 10 Dec 2025 13:49

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425RE

Tgt Ion:168 Resp: 160525

Ion	Ratio	Lower	Upper
168	100		
99	55.6	44.2	66.4

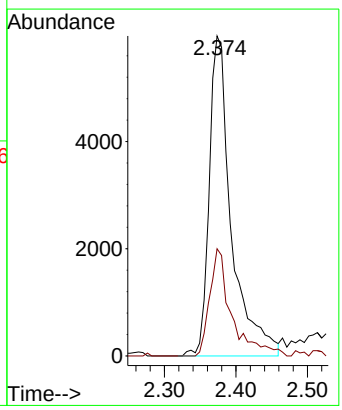




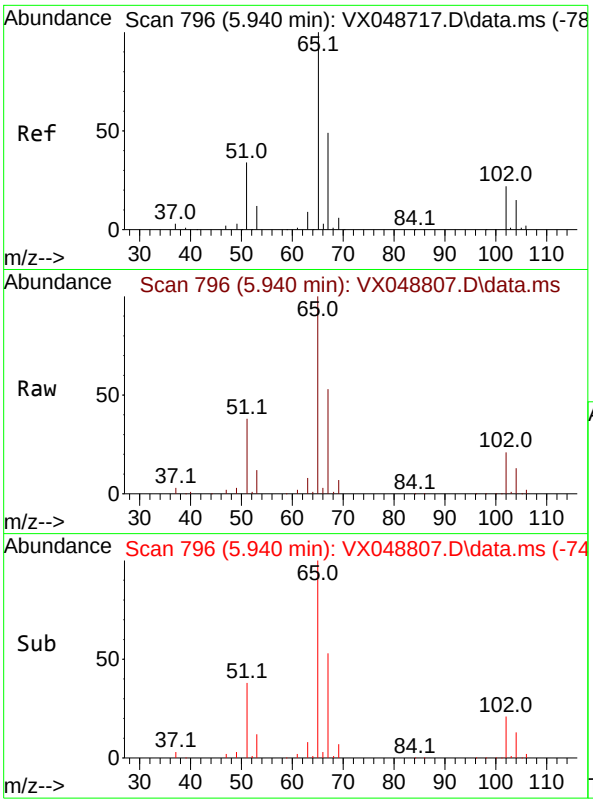
#16
Acetone
Concen: 15.592 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048807.D
Acq: 10 Dec 2025 13:49

Tgt Ion: 43 Resp: 12860

Ion	Ratio	Lower	Upper
43	100		
58	33.5	25.0	37.4



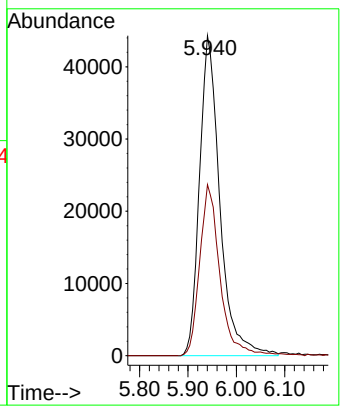
Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425RE

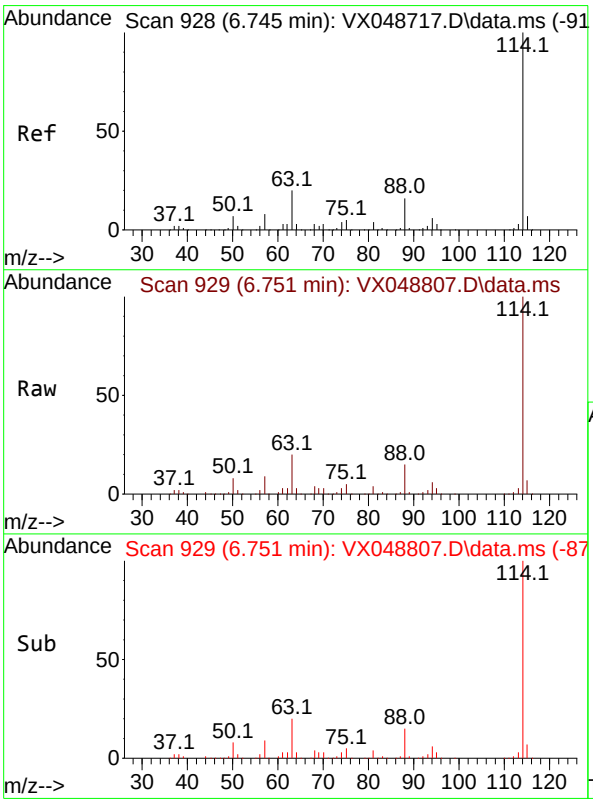


#33
1,2-Dichloroethane-d4
Concen: 60.095 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048807.D
Acq: 10 Dec 2025 13:49

Tgt Ion: 65 Resp: 129478

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.4

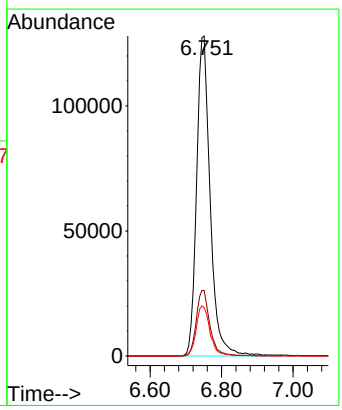


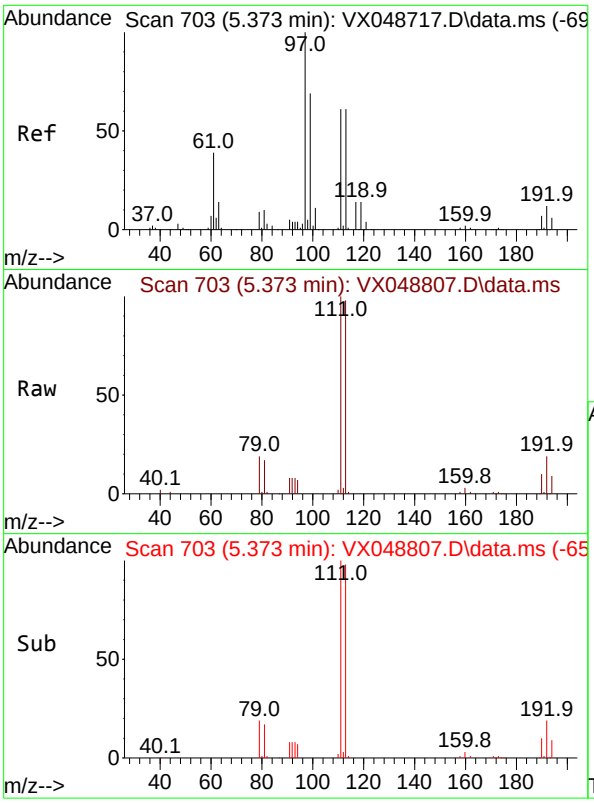


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048807.D
Acq: 10 Dec 2025 13:49

Tgt Ion:114 Resp: 337243

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	39.0
88	15.1	0.0	31.8



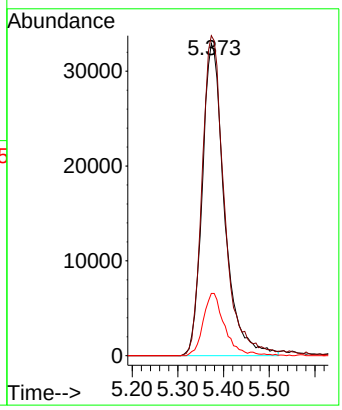


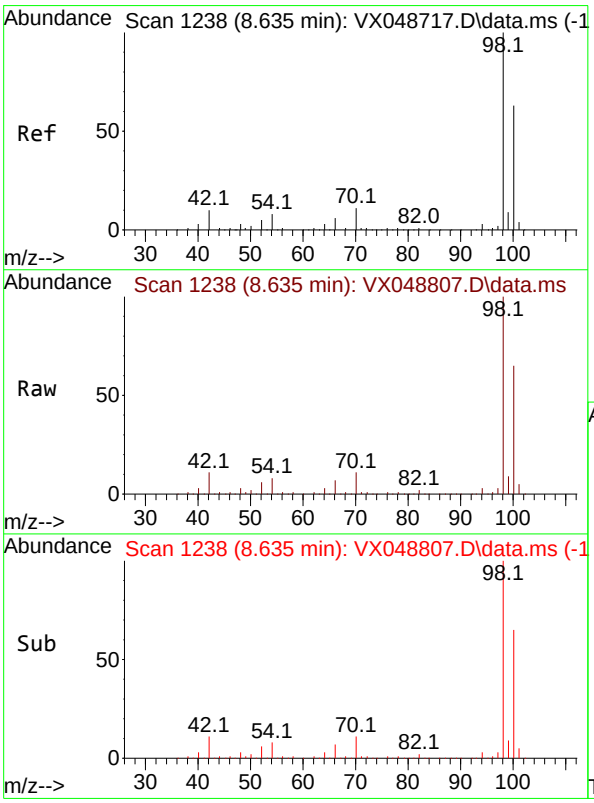
#35
Dibromofluoromethane
Concen: 47.699 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048807.D
Acq: 10 Dec 2025 13:49

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425RE

Tgt Ion:113 Resp: 110759

Ion	Ratio	Lower	Upper
113	100		
111	103.0	79.5	119.3
192	18.8	16.1	24.1

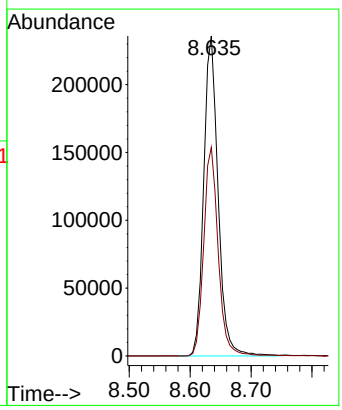




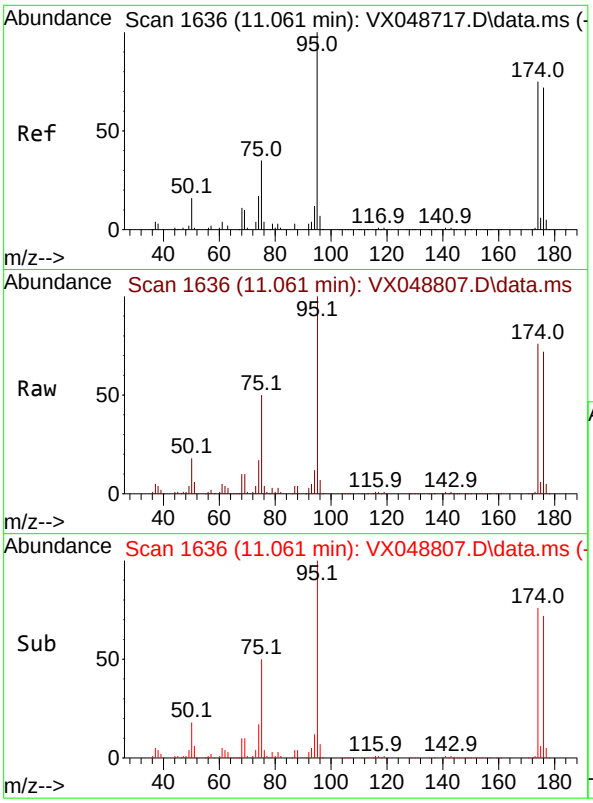
#50
Toluene-d8
Concen: 47.585 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048807.D
Acq: 10 Dec 2025 13:49

Tgt Ion: 98 Resp: 387316

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.4	80.0



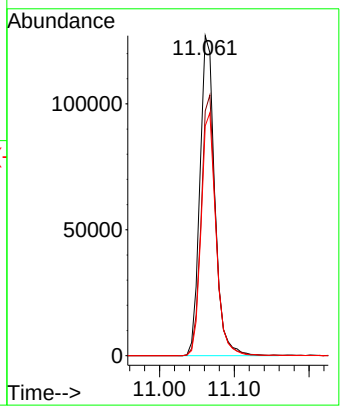
Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425RE

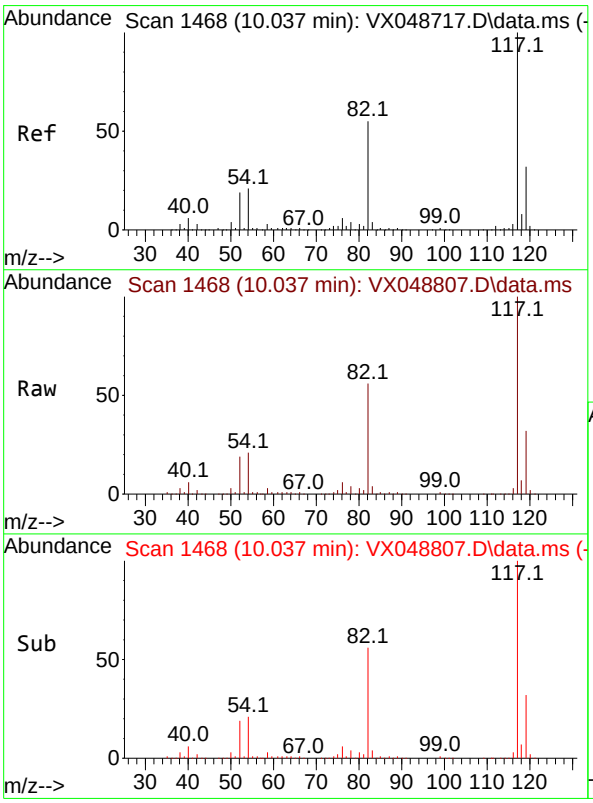


#62
4-Bromofluorobenzene
Concen: 62.579 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048807.D
Acq: 10 Dec 2025 13:49

Tgt Ion: 95 Resp: 175644

Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	157.8
176	76.1	0.0	154.0

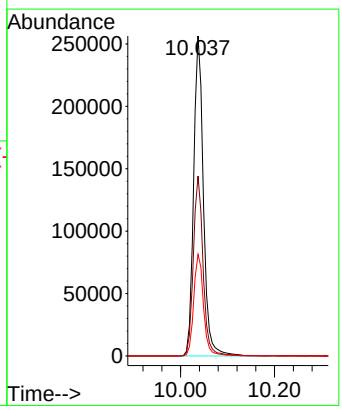


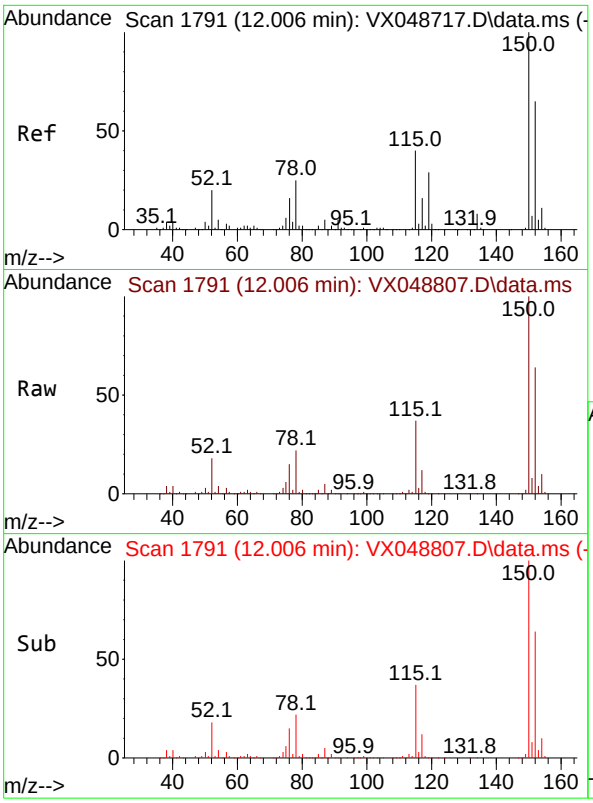


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048807.D
Acq: 10 Dec 2025 13:49

Tgt Ion:117 Resp: 371573

Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.1	66.1
119	31.8	25.2	37.8



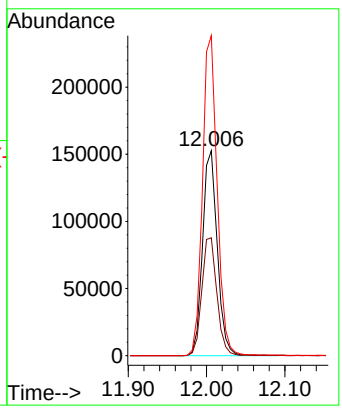


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048807.D
Acq: 10 Dec 2025 13:49

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425RE

Tgt Ion:152 Resp: 199241

Ion	Ratio	Lower	Upper
152	100		
115	58.9	42.1	126.4
150	155.7	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048753.D
Acq On : 08 Dec 2025 14:36
Operator : JC/MD
Sample : Q3787-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FD

Quant Time: Dec 09 04:10:56 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

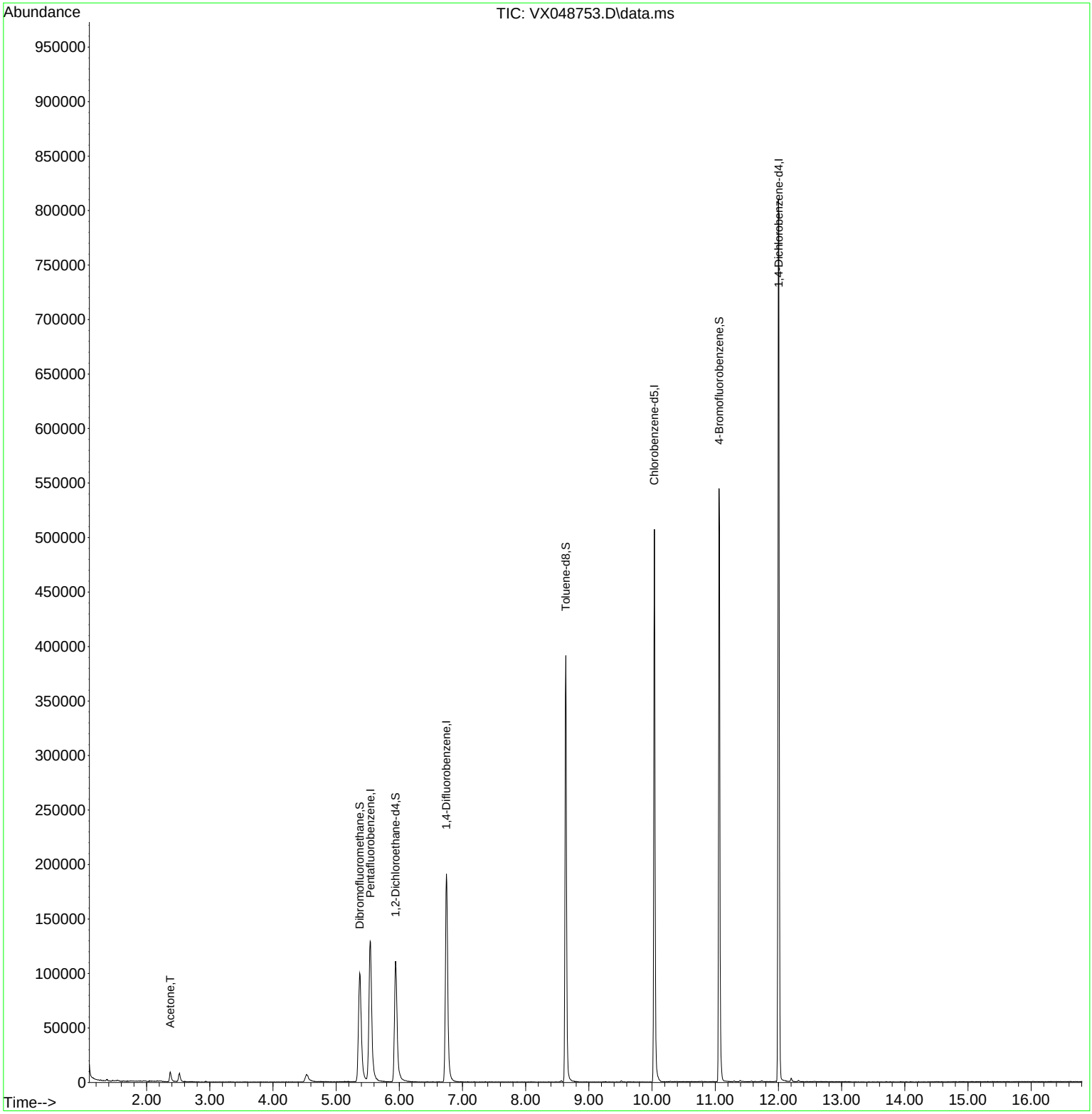
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	129874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	212277	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	232388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	176527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	123816	71.030	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 142.060%#			
35) Dibromofluoromethane	5.373	113	97967	67.027	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 134.060%#			
50) Toluene-d8	8.634	98	243890	47.603	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.200%			
62) 4-Bromofluorobenzene	11.061	95	151305	85.642	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 171.280%#			
Target Compounds						Qvalue
16) Acetone	2.373	43	12145	18.200	ug/l #	84

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

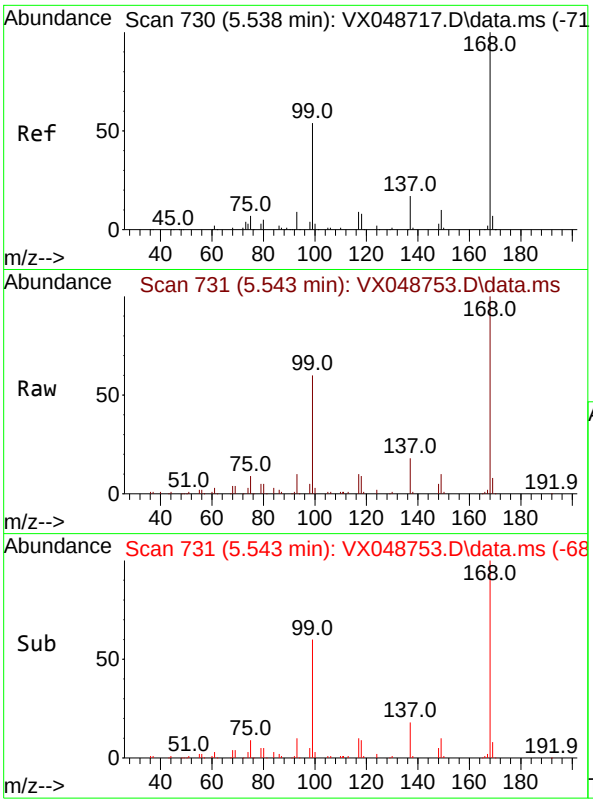
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048753.D
Acq On : 08 Dec 2025 14:36
Operator : JC/MD
Sample : Q3787-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FD

Quant Time: Dec 09 04:10:56 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



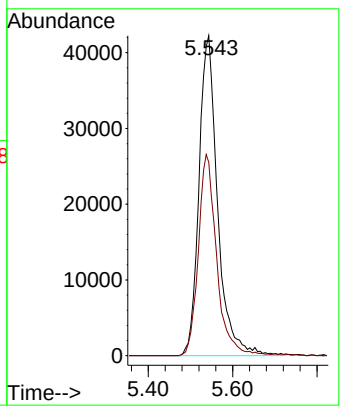
Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FD

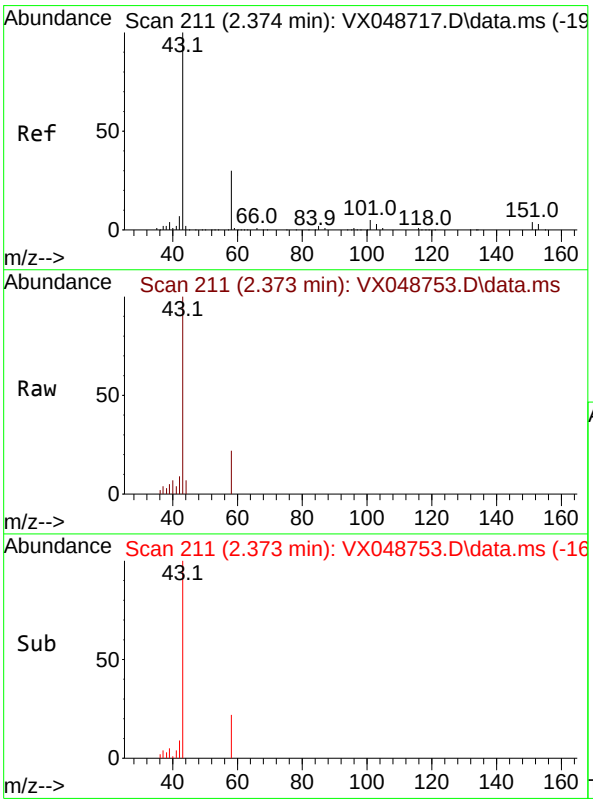


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.005 min
Lab File: VX048753.D
Acq: 08 Dec 2025 14:36

Tgt Ion:168 Resp: 129874

Ion	Ratio	Lower	Upper
168	100		
99	60.5	44.2	66.4

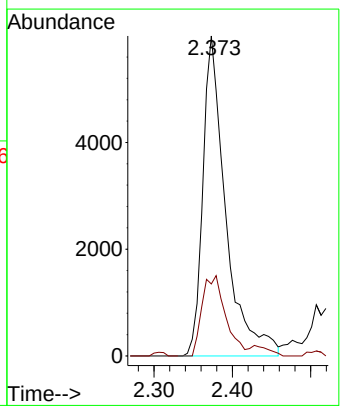


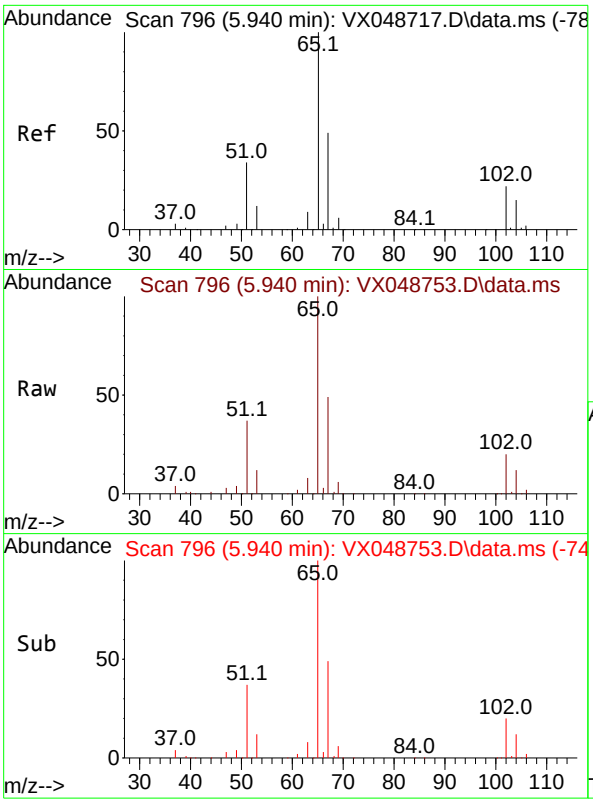


#16
Acetone
Concen: 18.200 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048753.D
Acq: 08 Dec 2025 14:36

Tgt Ion: 43 Resp: 12145

Ion	Ratio	Lower	Upper
43	100		
58	22.5	25.0	37.4#



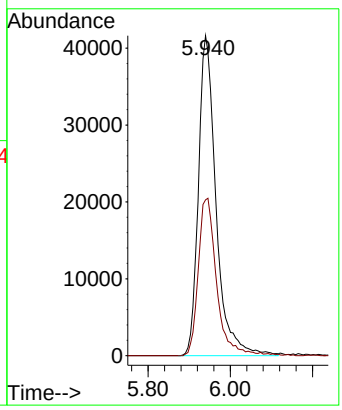


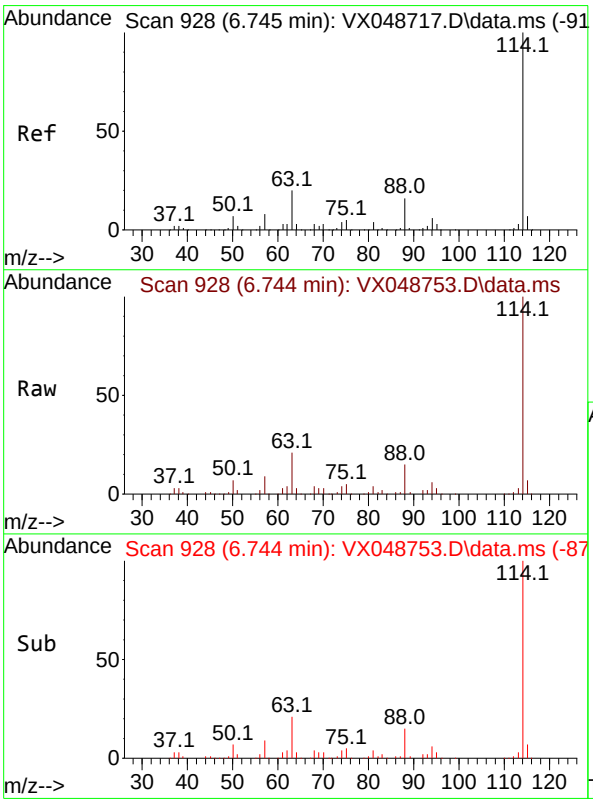
#33
1,2-Dichloroethane-d4
Concen: 71.030 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048753.D
Acq: 08 Dec 2025 14:36

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FD

Tgt Ion: 65 Resp: 123816

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	107.4

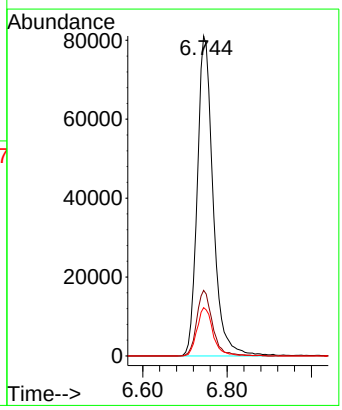


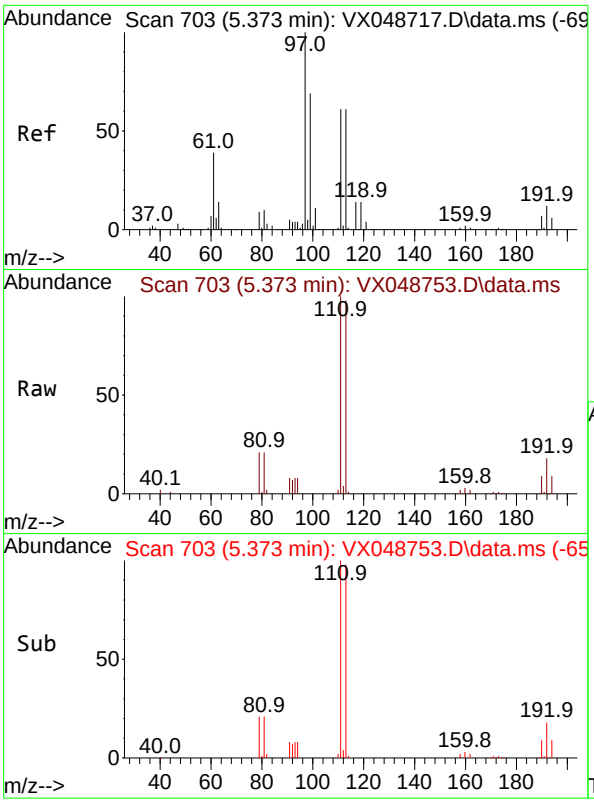


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048753.D
Acq: 08 Dec 2025 14:36

Tgt Ion:114 Resp: 212277

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	39.0
88	15.1	0.0	31.8



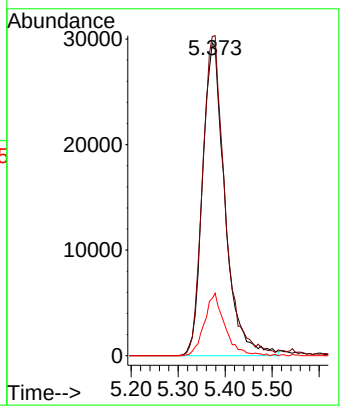


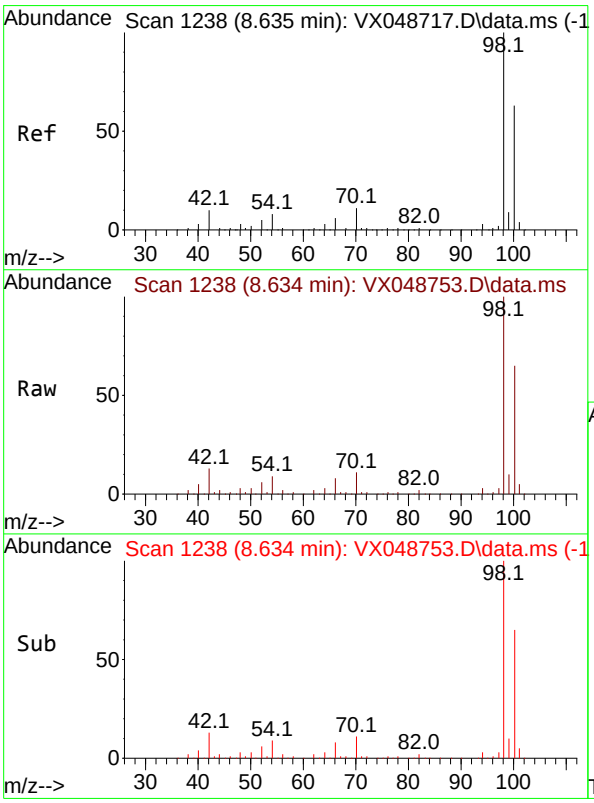
#35
Dibromofluoromethane
Concen: 67.027 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048753.D
Acq: 08 Dec 2025 14:36

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FD

Tgt Ion:113 Resp: 97967

Ion	Ratio	Lower	Upper
113	100		
111	102.4	79.5	119.3
192	18.3	16.1	24.1

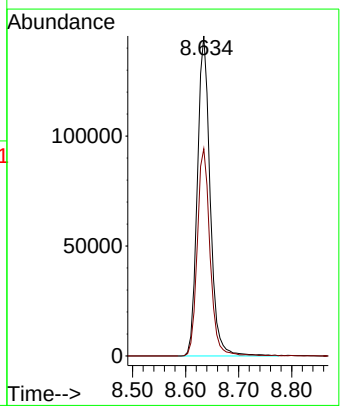


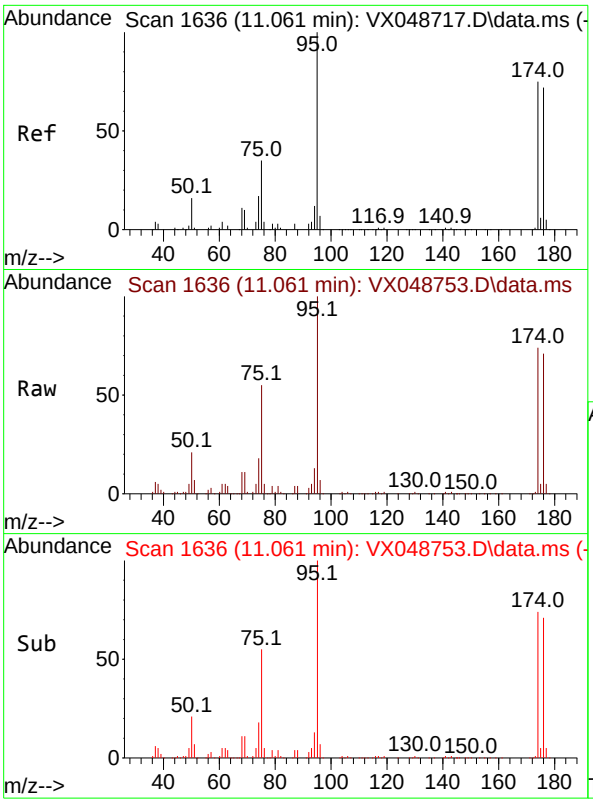


#50
Toluene-d8
Concen: 47.603 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048753.D
Acq: 08 Dec 2025 14:36

Tgt Ion: 98 Resp: 243890

Ion	Ratio	Lower	Upper
98	100		
100	64.7	53.4	80.0



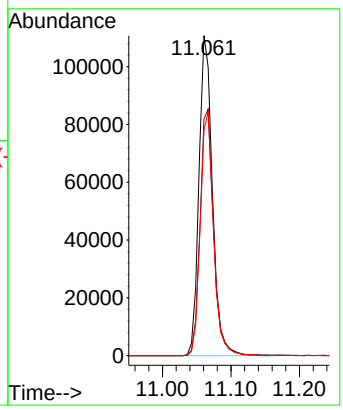


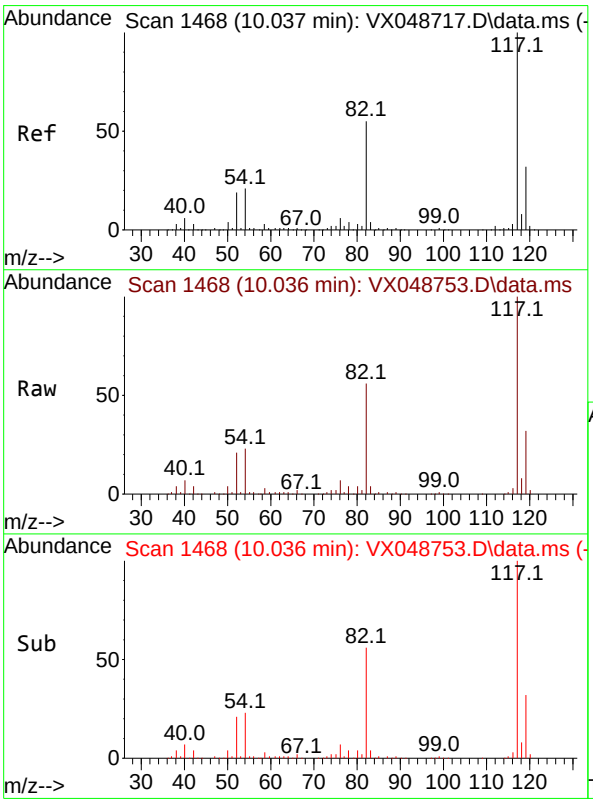
#62
4-Bromofluorobenzene
Concen: 85.642 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048753.D
Acq: 08 Dec 2025 14:36

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FD

Tgt Ion: 95 Resp: 151305

Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	157.8
176	75.2	0.0	154.0

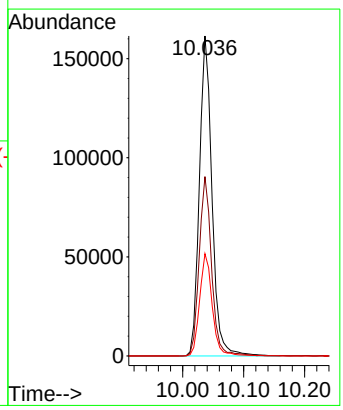


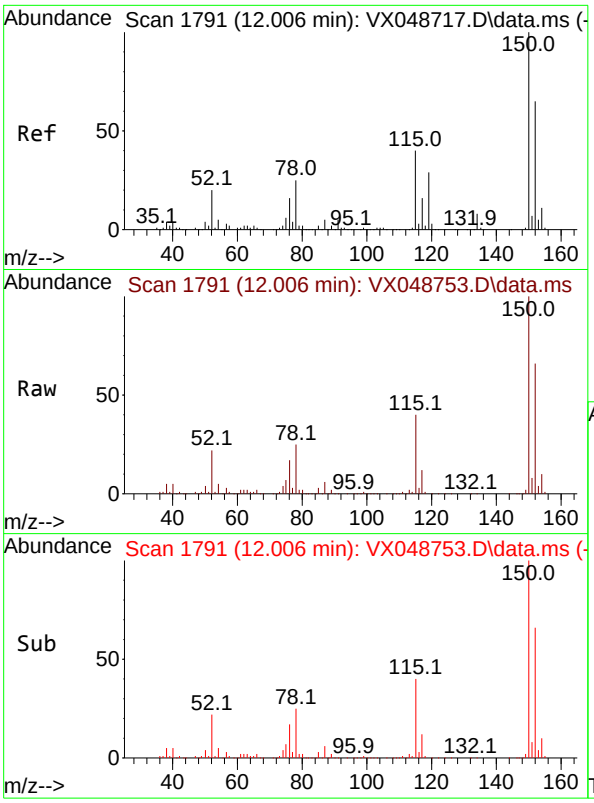


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048753.D
Acq: 08 Dec 2025 14:36

Tgt Ion:117 Resp: 232388

Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.1	66.1
119	32.0	25.2	37.8



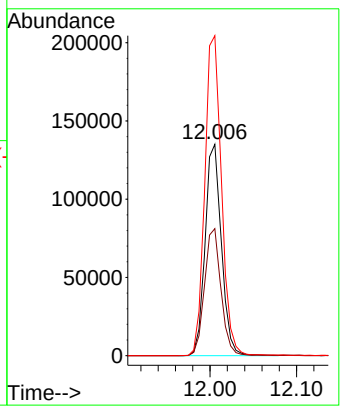


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048753.D
Acq: 08 Dec 2025 14:36

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FD

Tgt Ion:152 Resp: 176527

Ion	Ratio	Lower	Upper
152	100		
115	60.8	42.1	126.4
150	155.5	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048808.D
Acq On : 10 Dec 2025 14:10
Operator : JC/MD
Sample : Q3787-09RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FDRE

Quant Time: Dec 11 00:22:49 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

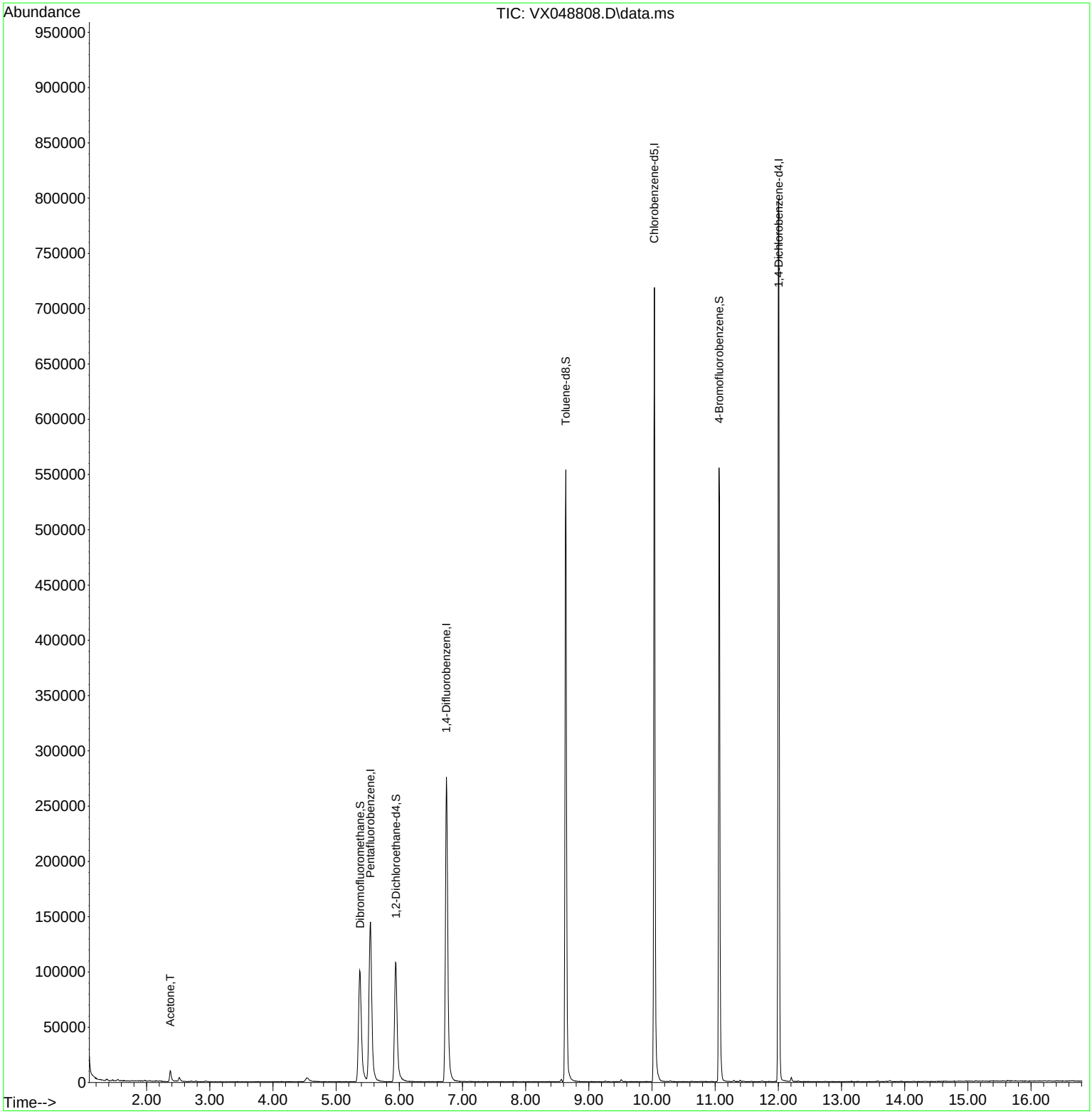
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	150728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	313869	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	341495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	184829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	120292	59.461	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.920%#			
35) Dibromofluoromethane	5.379	113	102752	47.546	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.100%			
50) Toluene-d8	8.635	98	359487	47.455	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.900%			
62) 4-Bromofluorobenzene	11.061	95	159804	61.175	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 122.360%			
Target Compounds						Qvalue
16) Acetone	2.374	43	13514	17.450	ug/l	92

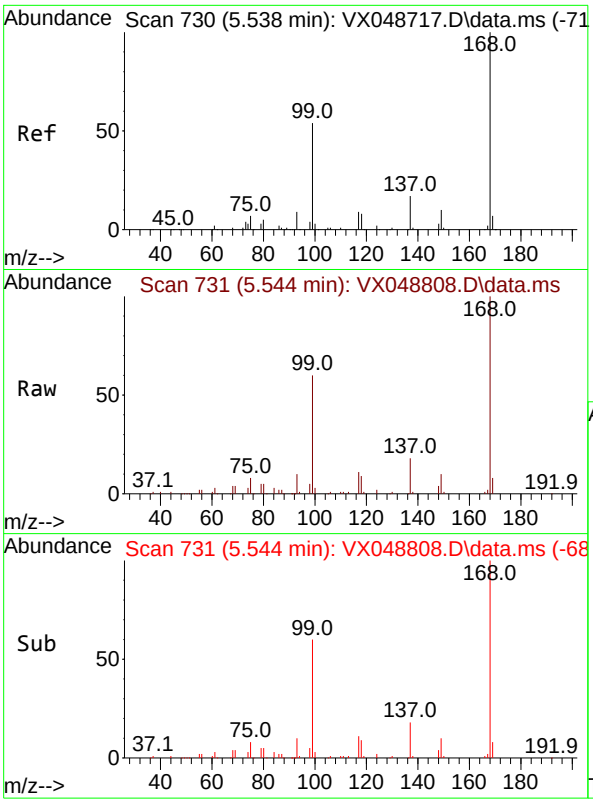
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048808.D
Acq On : 10 Dec 2025 14:10
Operator : JC/MD
Sample : Q3787-09RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FDRE

Quant Time: Dec 11 00:22:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



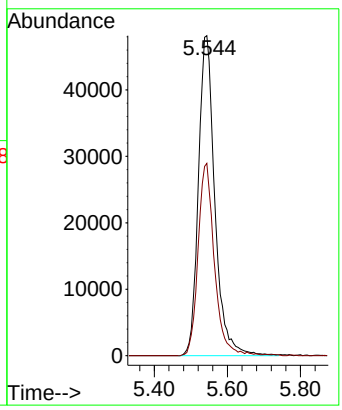


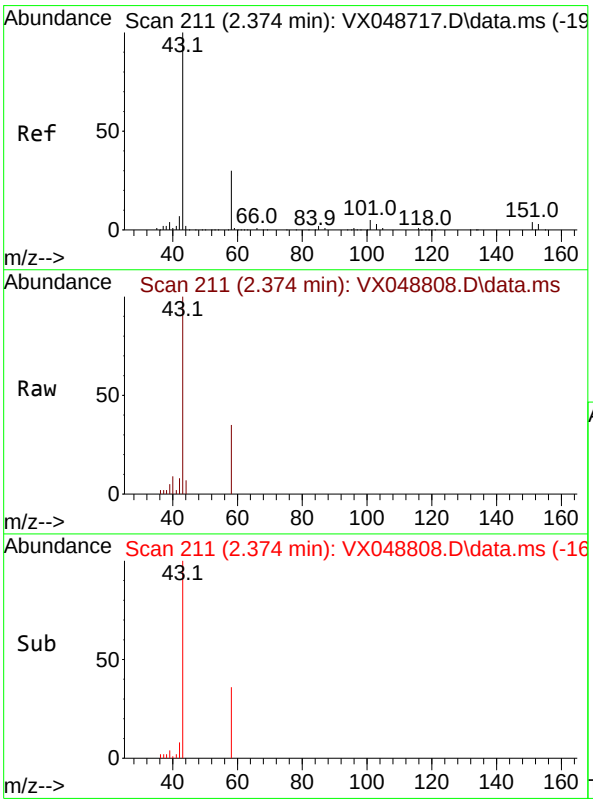
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048808.D
Acq: 10 Dec 2025 14:10

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FDRE

Tgt Ion:168 Resp: 150728

Ion	Ratio	Lower	Upper
168	100		
99	60.1	44.2	66.4

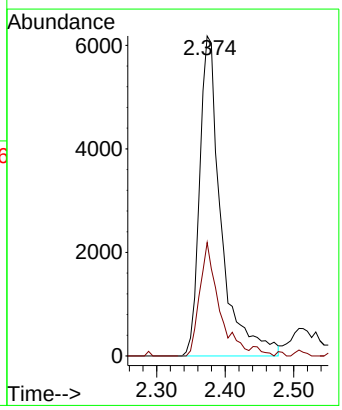


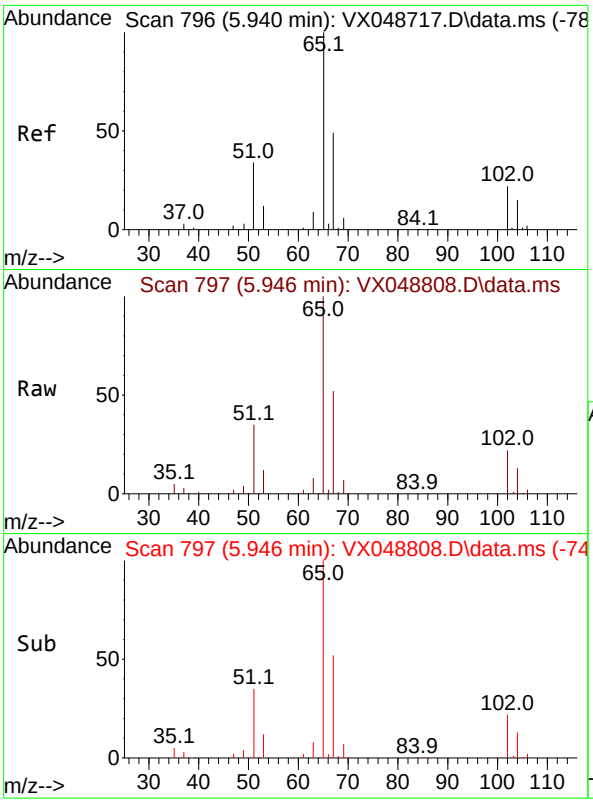


#16
Acetone
Concen: 17.450 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048808.D
Acq: 10 Dec 2025 14:10

Tgt Ion: 43 Resp: 13514

Ion	Ratio	Lower	Upper
43	100		
58	35.4	25.0	37.4



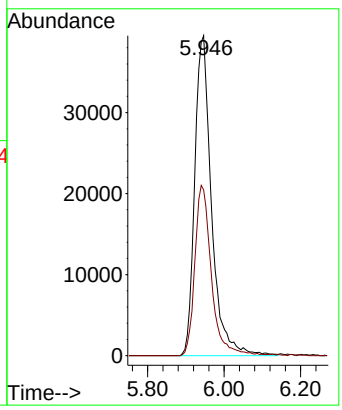


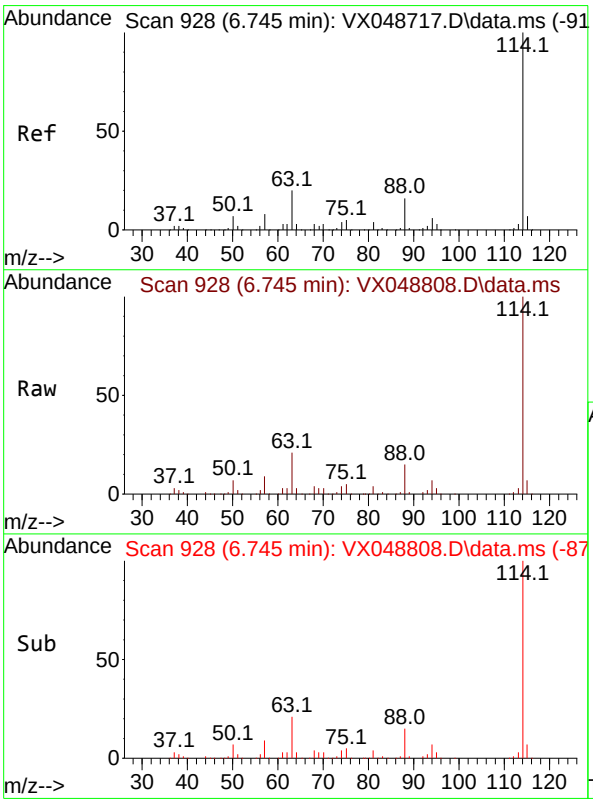
#33
1,2-Dichloroethane-d4
Concen: 59.461 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048808.D
Acq: 10 Dec 2025 14:10

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FDRE

Tgt Ion: 65 Resp: 120292

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	107.4

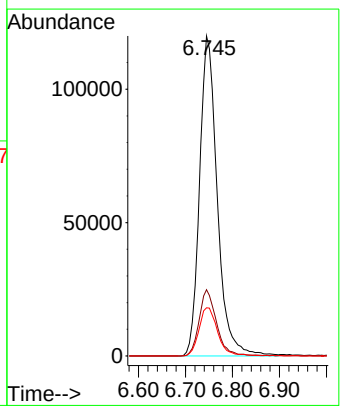


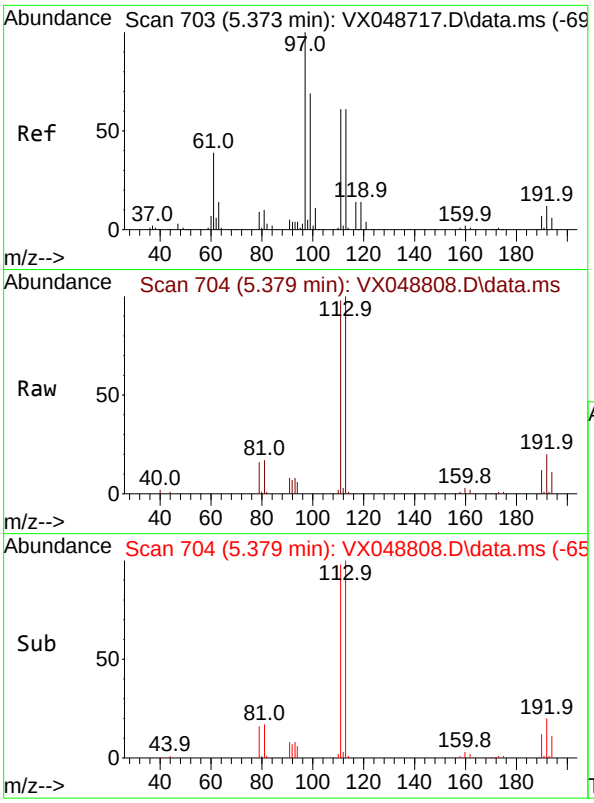


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX048808.D
Acq: 10 Dec 2025 14:10

Tgt Ion:114 Resp: 313869

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	39.0
88	15.1	0.0	31.8



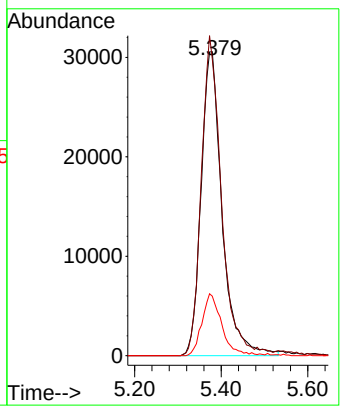


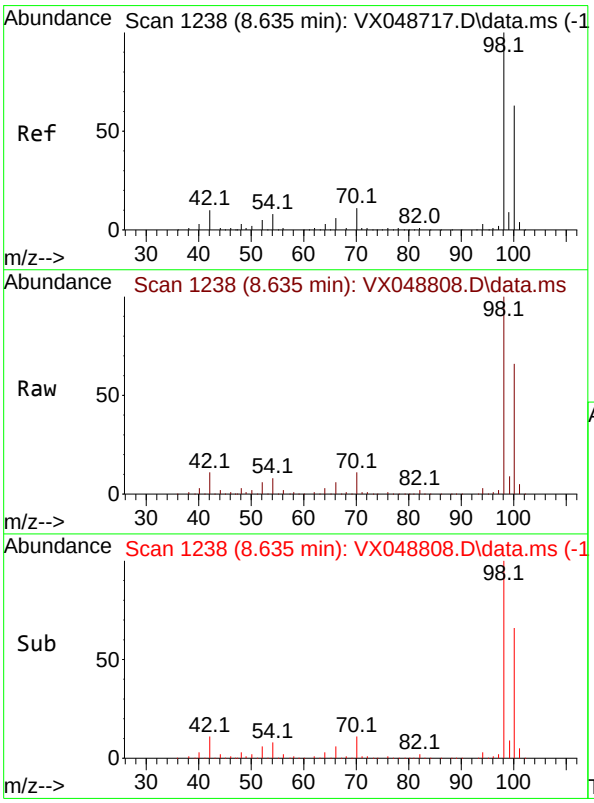
#35
Dibromofluoromethane
Concen: 47.546 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048808.D
Acq: 10 Dec 2025 14:10

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FDRE

Tgt Ion:113 Resp: 102752

Ion	Ratio	Lower	Upper
113	100		
111	101.3	79.5	119.3
192	19.3	16.1	24.1

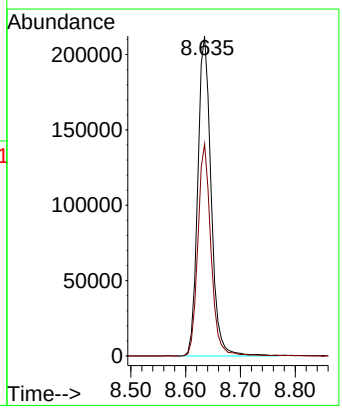


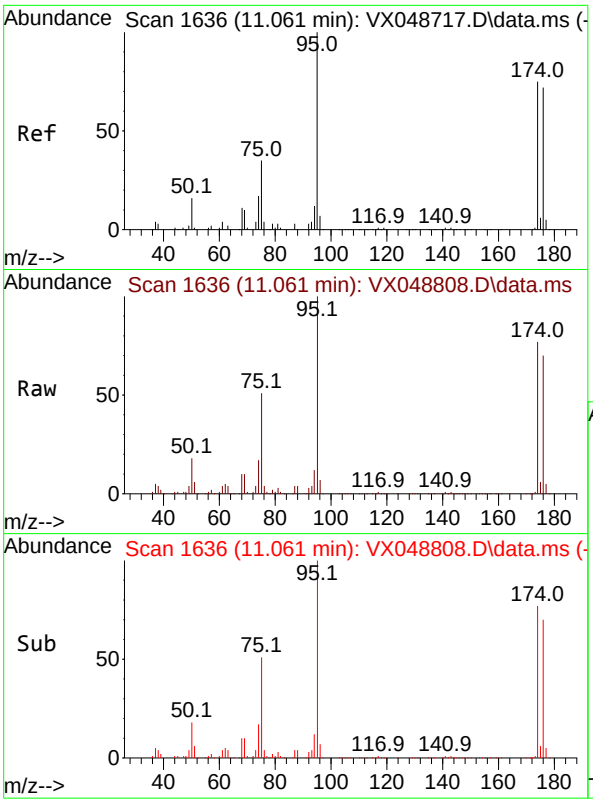


#50
Toluene-d8
Concen: 47.455 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048808.D
Acq: 10 Dec 2025 14:10

Tgt Ion: 98 Resp: 359487

Ion	Ratio	Lower	Upper
98	100		
100	64.9	53.4	80.0



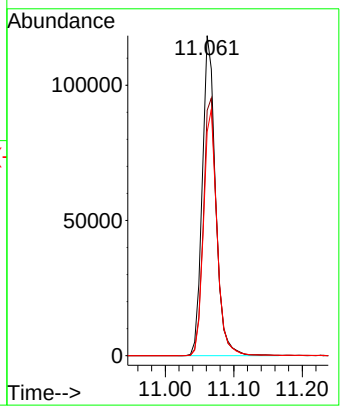


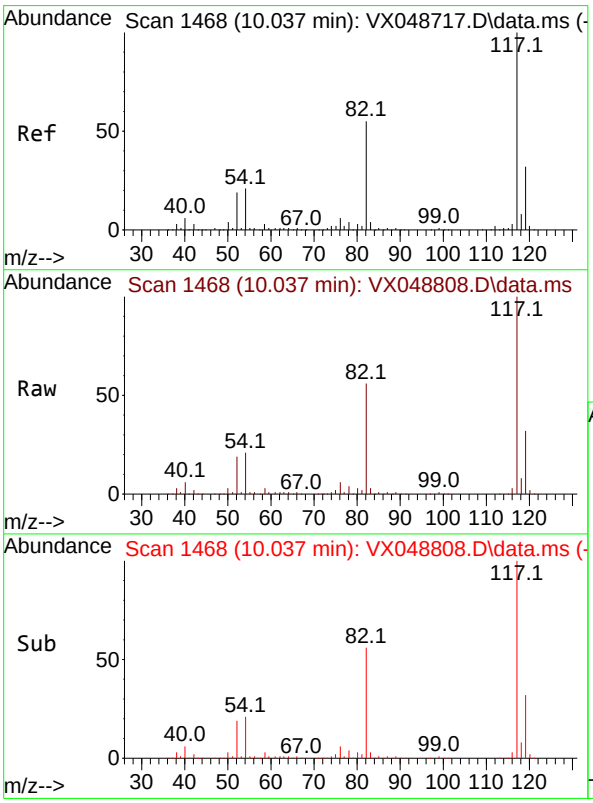
#62
4-Bromofluorobenzene
Concen: 61.175 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048808.D
Acq: 10 Dec 2025 14:10

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FDRE

Tgt Ion: 95 Resp: 159804

Ion	Ratio	Lower	Upper
95	100		
174	81.7	0.0	157.8
176	78.1	0.0	154.0

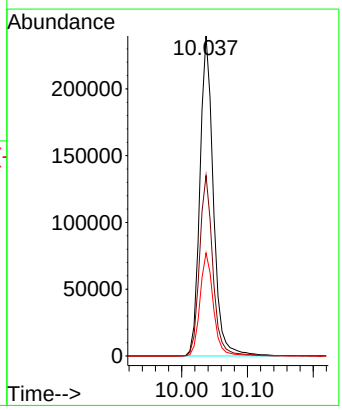


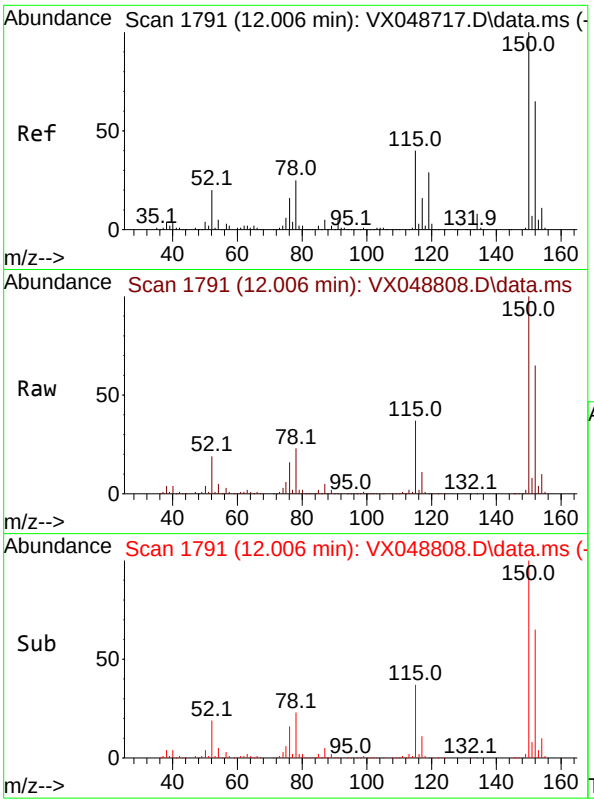


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048808.D
Acq: 10 Dec 2025 14:10

Tgt Ion:117 Resp: 341495

Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.1	66.1
119	32.2	25.2	37.8



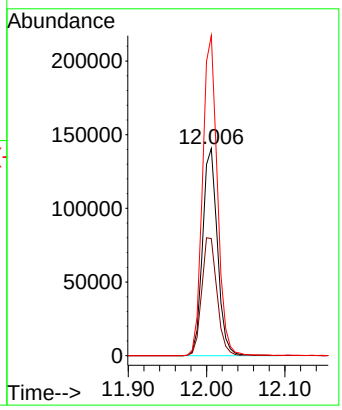


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048808.D
Acq: 10 Dec 2025 14:10

Instrument :
MSVOA_X
ClientSampleId :
OWBR-02-170-120425-FDRE

Tgt Ion:152 Resp: 184829

Ion	Ratio	Lower	Upper
152	100		
115	58.9	42.1	126.4
150	153.9	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048754.D
Acq On : 08 Dec 2025 14:57
Operator : JC/MD
Sample : Q3787-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425

Quant Time: Dec 09 04:11:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

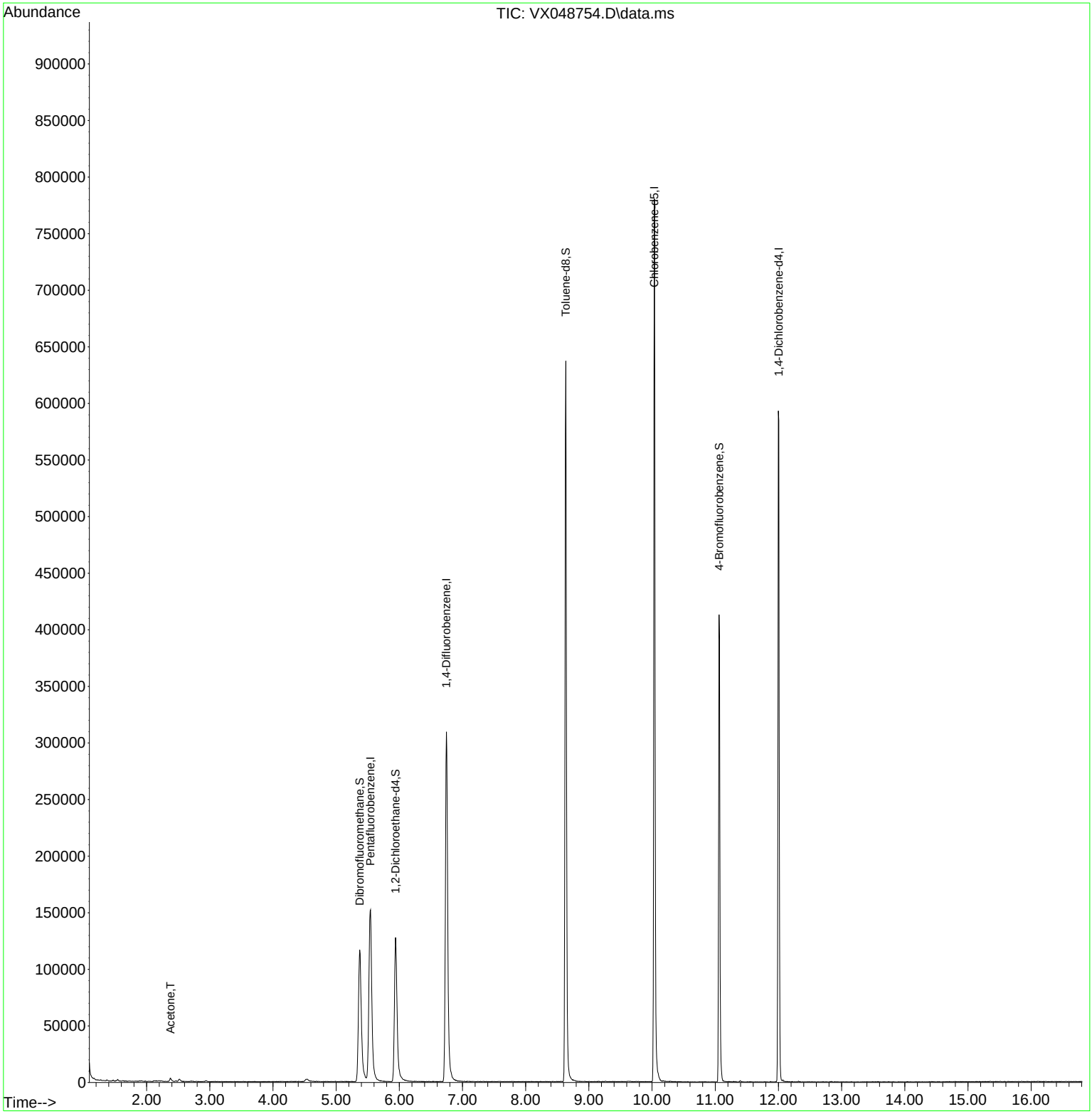
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	160355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	343808	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	352510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	128068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	137902	64.073	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 128.140%#			
35) Dibromofluoromethane	5.373	113	115093	48.619	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.240%			
50) Toluene-d8	8.635	98	394240	47.510	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.020%			
62) 4-Bromofluorobenzene	11.061	95	110501	38.618	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 77.240%#			
Target Compounds						Qvalue
16) Acetone	2.380	43	4105	4.982	ug/l	95

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

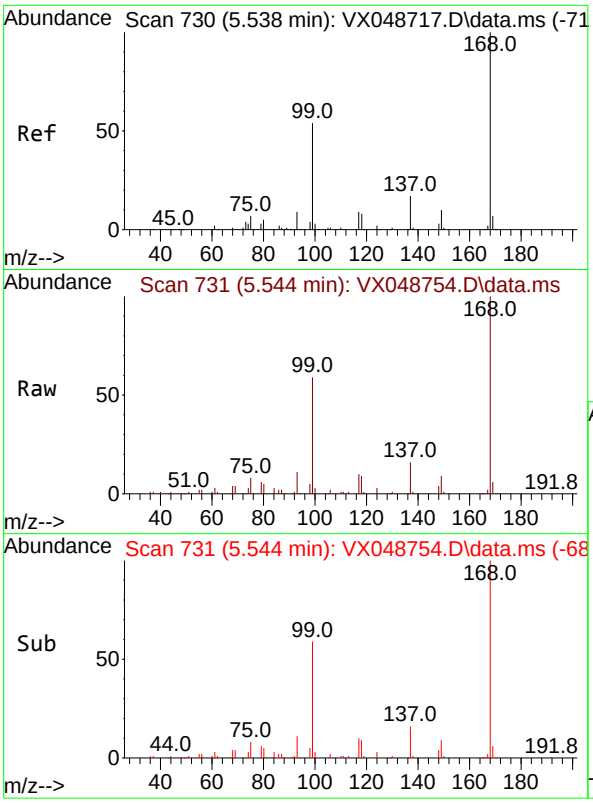
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048754.D
Acq On : 08 Dec 2025 14:57
Operator : JC/MD
Sample : Q3787-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425

Quant Time: Dec 09 04:11:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



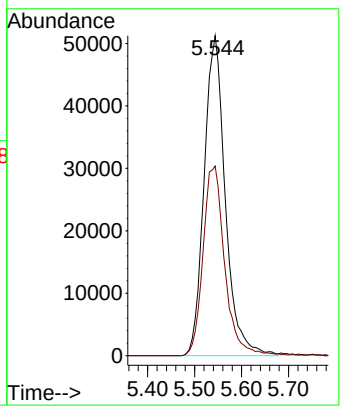
Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425

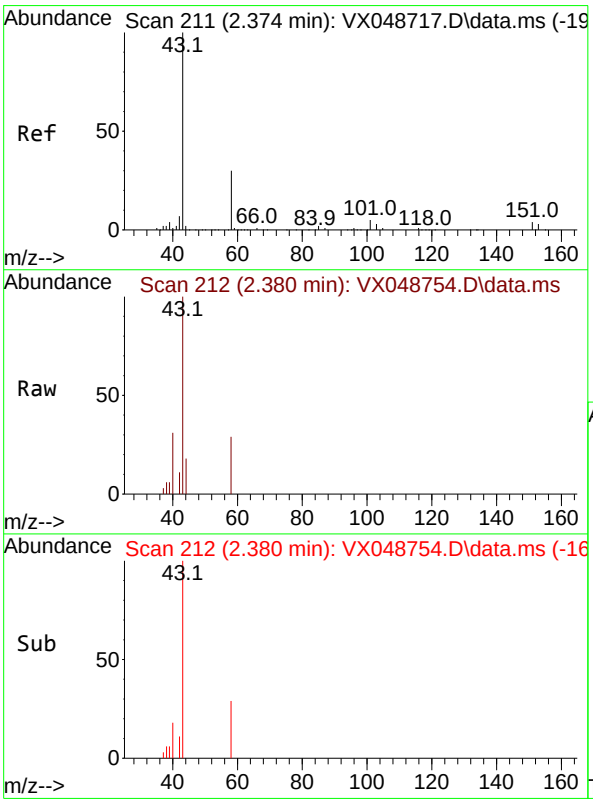


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048754.D
Acq: 08 Dec 2025 14:57

Tgt Ion:168 Resp: 160355

Ion	Ratio	Lower	Upper
168	100		
99	59.3	44.2	66.4

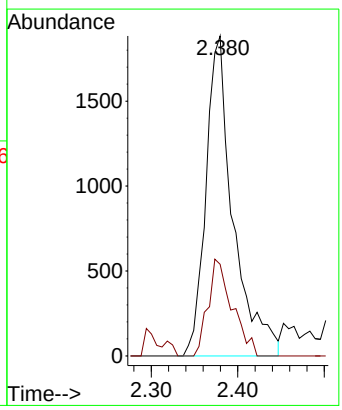




#16
Acetone
Concen: 4.982 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048754.D
Acq: 08 Dec 2025 14:57

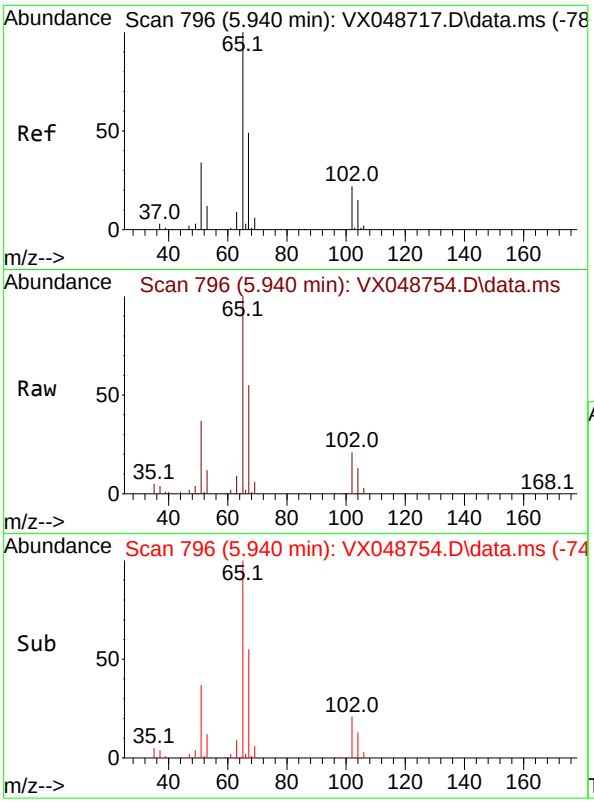
Tgt Ion: 43 Resp: 4105

Ion	Ratio	Lower	Upper
43	100		
58	28.6	25.0	37.4



5

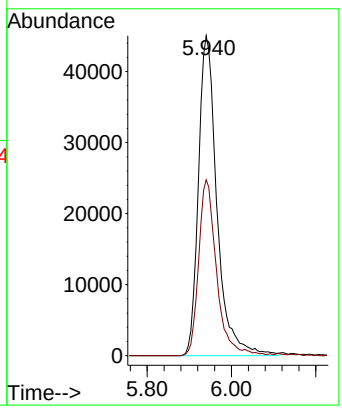
Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425

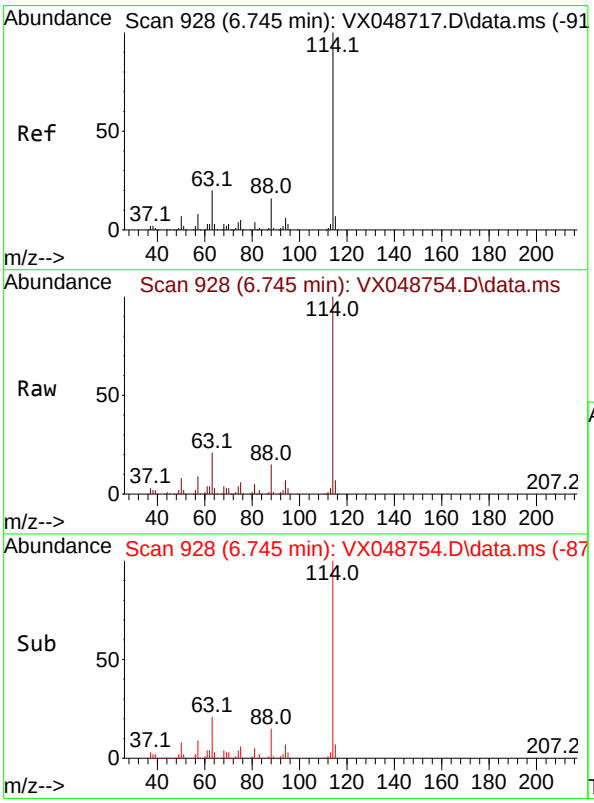


#33
1,2-Dichloroethane-d4
Concen: 64.073 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048754.D
Acq: 08 Dec 2025 14:57

Tgt Ion: 65 Resp: 137902

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	107.4

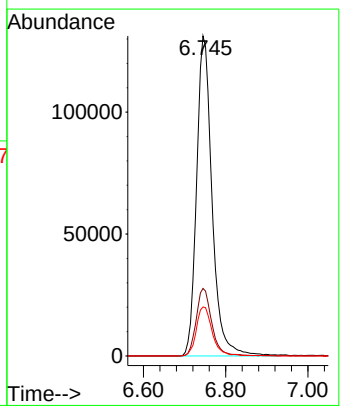


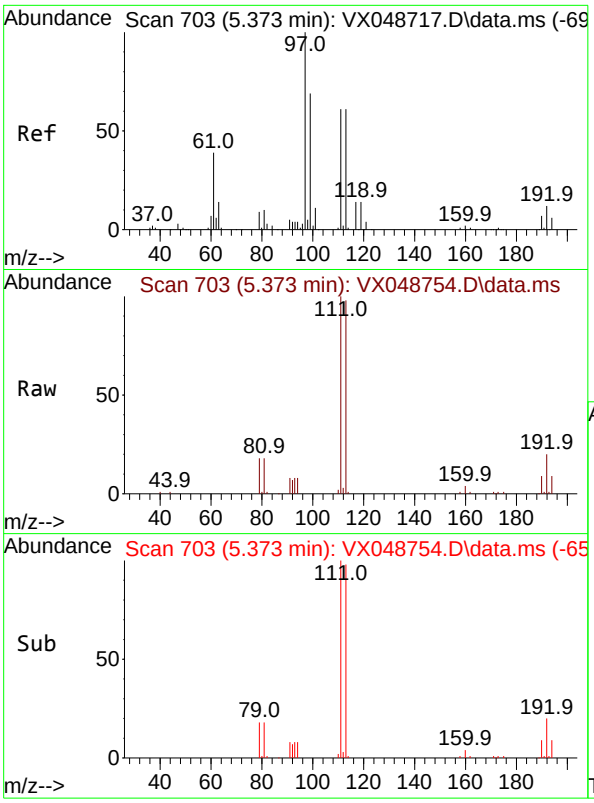


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048754.D
Acq: 08 Dec 2025 14:57

Tgt Ion:114 Resp: 343808

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.0
88	15.3	0.0	31.8



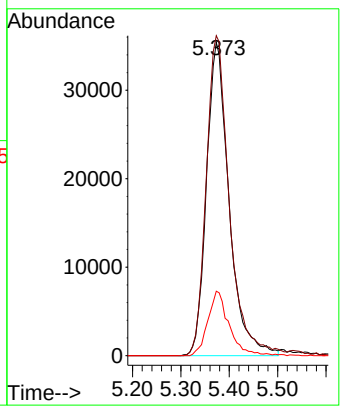


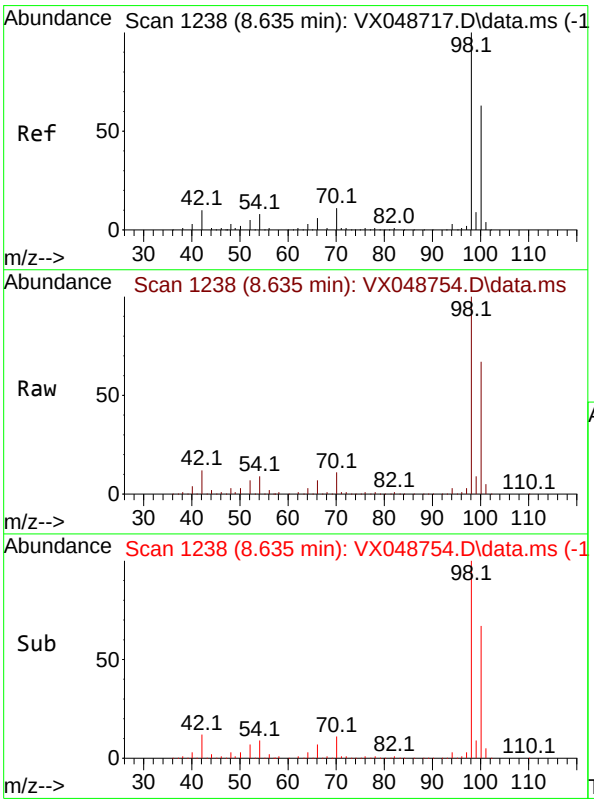
#35
Dibromofluoromethane
Concen: 48.619 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048754.D
Acq: 08 Dec 2025 14:57

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425

Tgt Ion:113 Resp: 115093

Ion	Ratio	Lower	Upper
113	100		
111	104.1	79.5	119.3
192	19.5	16.1	24.1

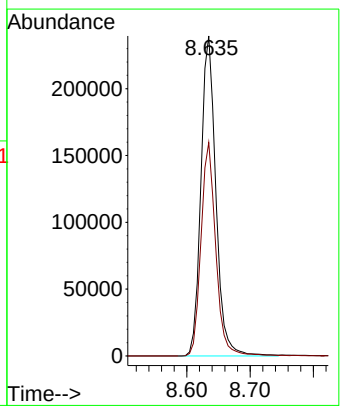


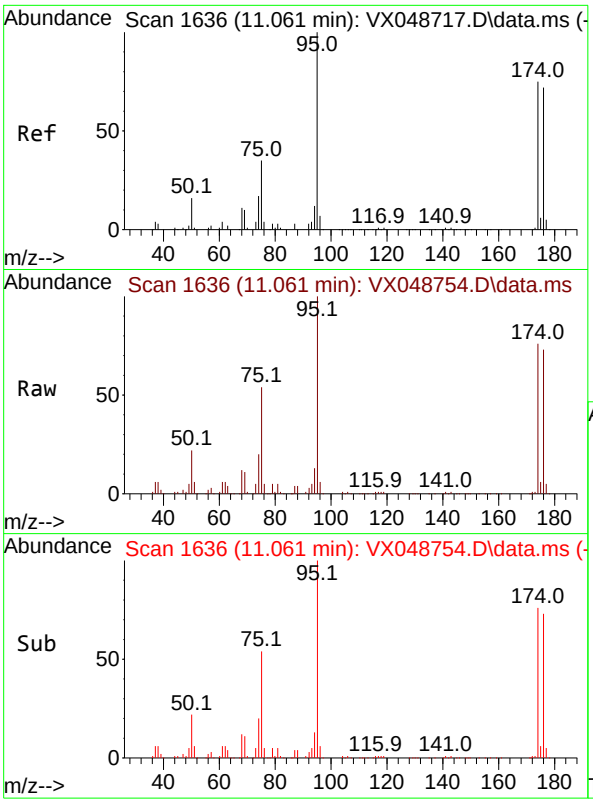


#50
Toluene-d8
Concen: 47.510 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048754.D
Acq: 08 Dec 2025 14:57

Tgt Ion: 98 Resp: 394240

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.4	80.0



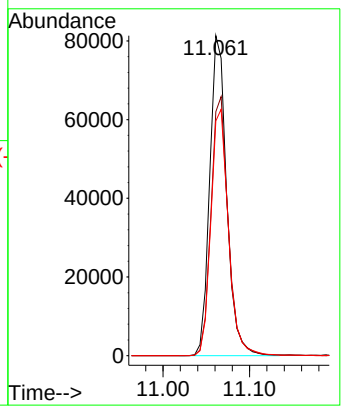


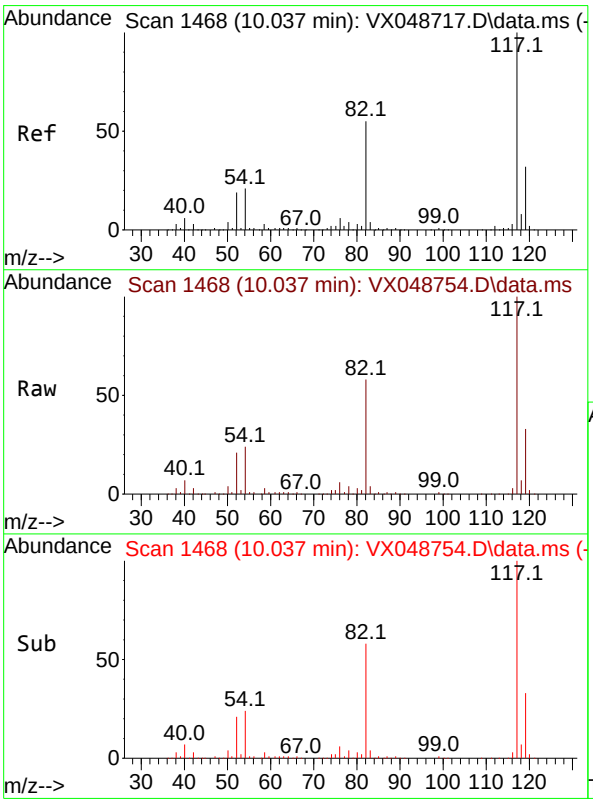
#62
4-Bromofluorobenzene
Concen: 38.618 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048754.D
Acq: 08 Dec 2025 14:57

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425

Tgt Ion: 95 Resp: 110501

Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	157.8
176	79.8	0.0	154.0

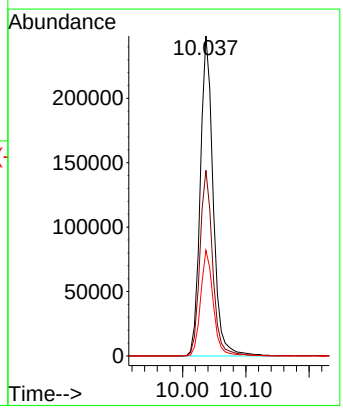


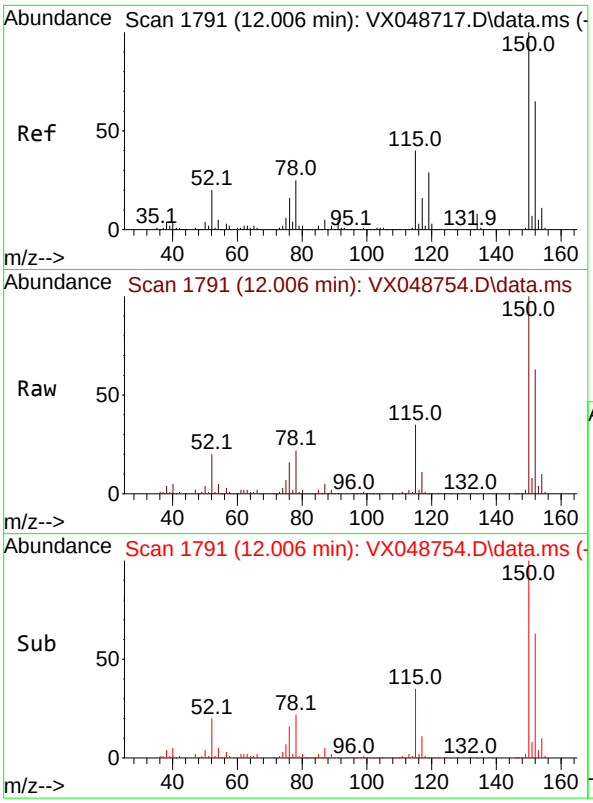


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048754.D
Acq: 08 Dec 2025 14:57

Tgt Ion:117 Resp: 352510

Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.1	66.1
119	33.0	25.2	37.8



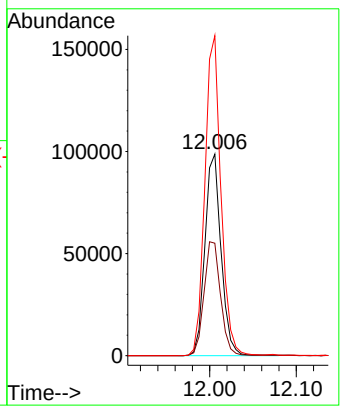


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048754.D
Acq: 08 Dec 2025 14:57

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425

Tgt Ion:152 Resp: 128068

Ion	Ratio	Lower	Upper
152	100		
115	57.8	42.1	126.4
150	157.1	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048809.D
Acq On : 10 Dec 2025 14:30
Operator : JC/MD
Sample : Q3787-11RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425RE

Quant Time: Dec 11 00:23:27 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

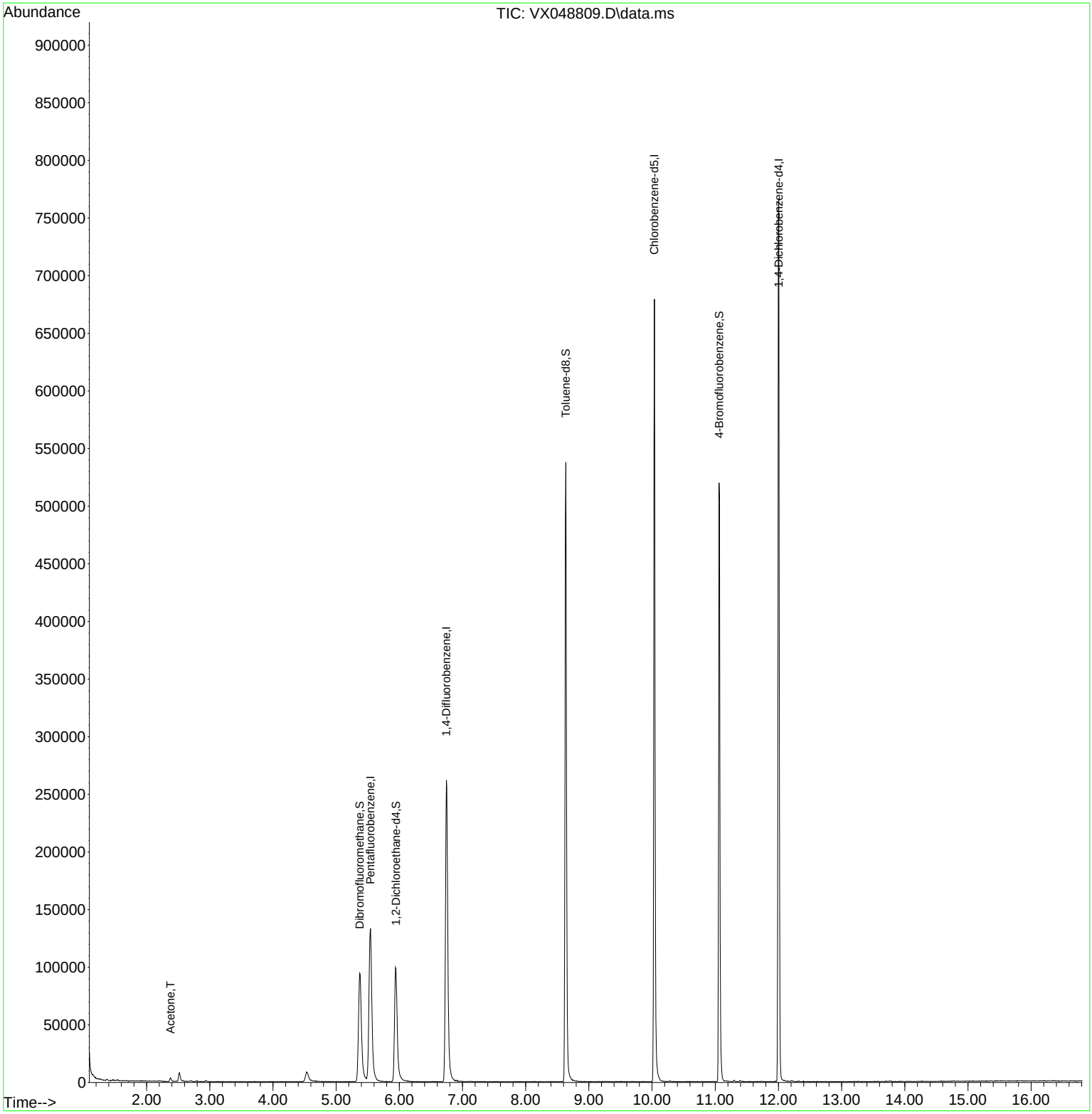
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	142606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	299203	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	326420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	172615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	109808	57.370	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.740%			
35) Dibromofluoromethane	5.373	113	98607	47.864	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.720%			
50) Toluene-d8	8.635	98	342378	47.412	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.820%			
62) 4-Bromofluorobenzene	11.061	95	151770	60.948	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.900%			
Target Compounds						Qvalue
16) Acetone	2.380	43	4565	6.230	ug/l	100

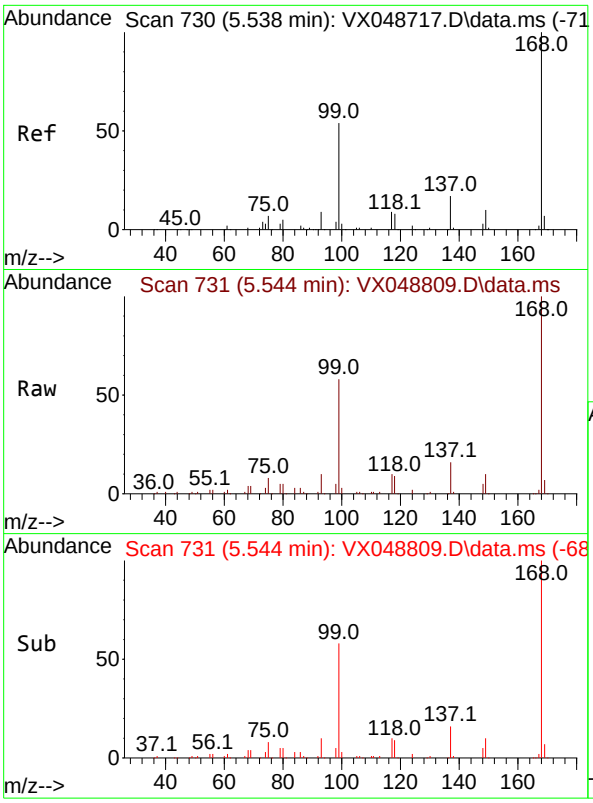
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048809.D
Acq On : 10 Dec 2025 14:30
Operator : JC/MD
Sample : Q3787-11RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425RE

Quant Time: Dec 11 00:23:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



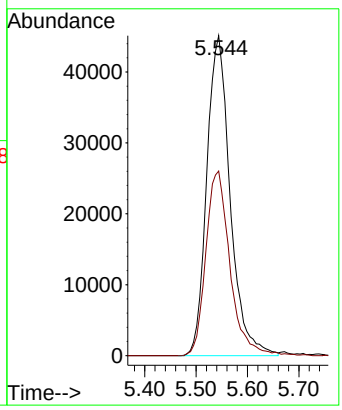


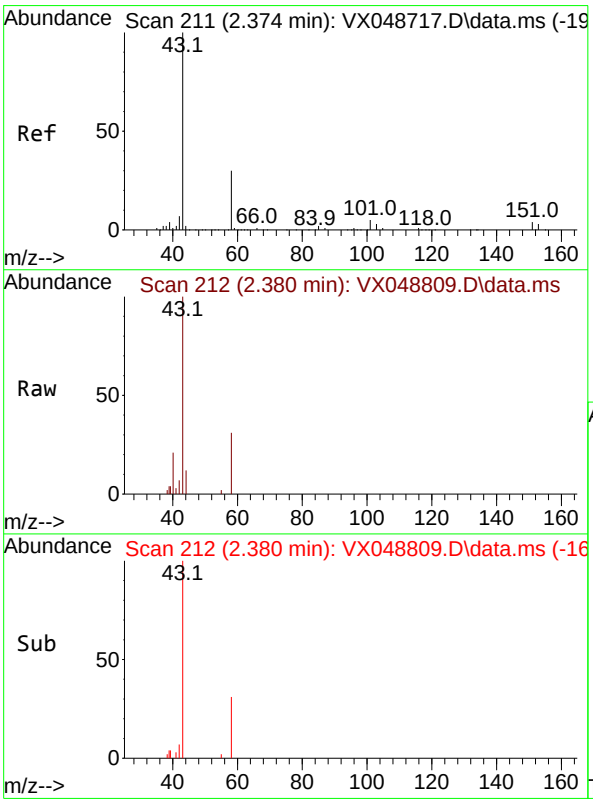
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048809.D
Acq: 10 Dec 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425RE

Tgt Ion:168 Resp: 142606

Ion	Ratio	Lower	Upper
168	100		
99	57.7	44.2	66.4

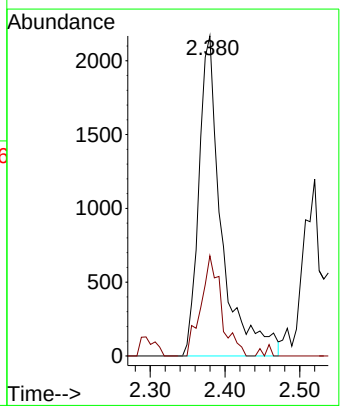




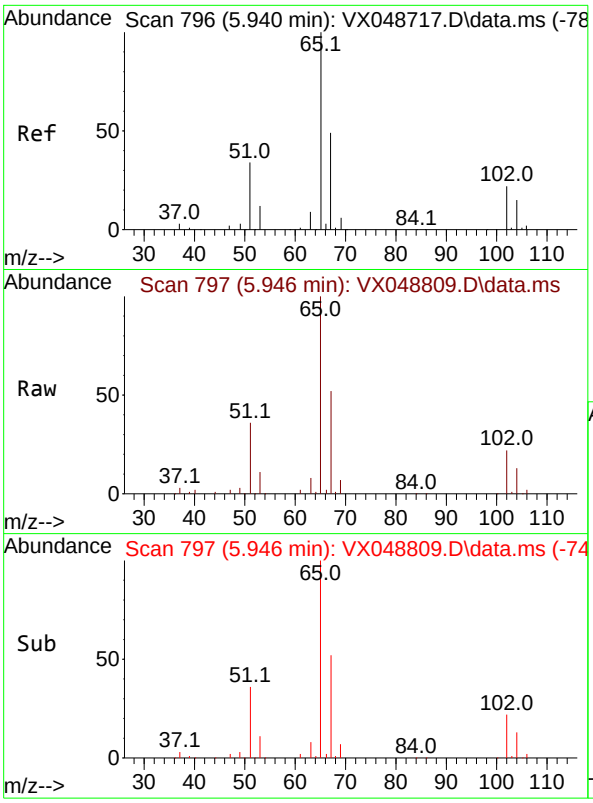
#16
Acetone
Concen: 6.230 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048809.D
Acq: 10 Dec 2025 14:30

Tgt Ion: 43 Resp: 4565

Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.0	37.4



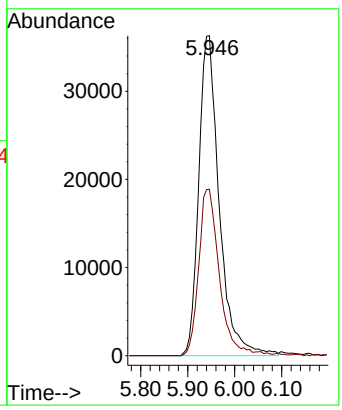
Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425RE

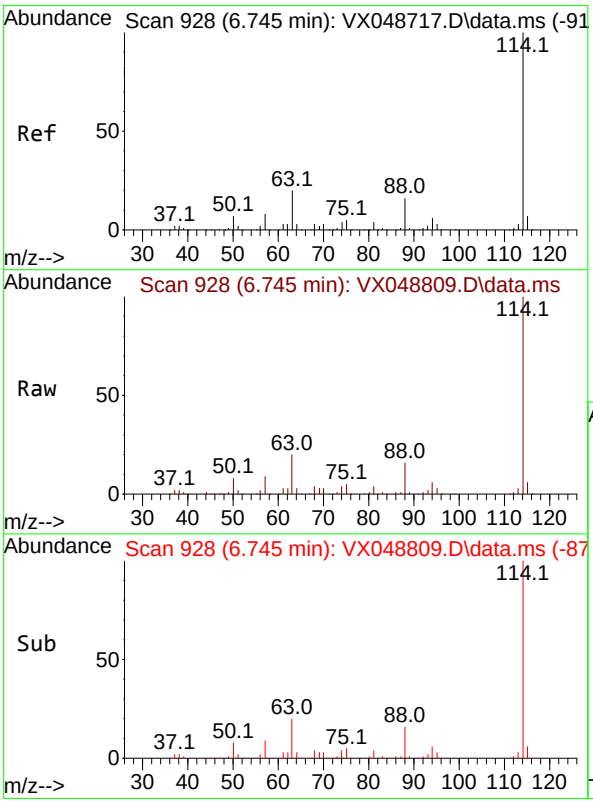


#33
1,2-Dichloroethane-d4
Concen: 57.370 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048809.D
Acq: 10 Dec 2025 14:30

Tgt Ion: 65 Resp: 109808

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	107.4

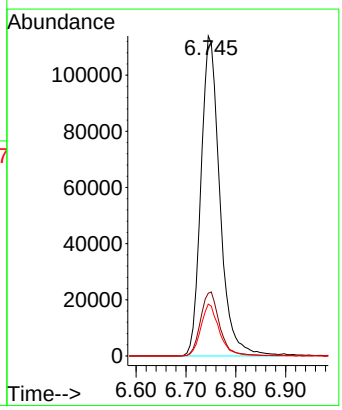


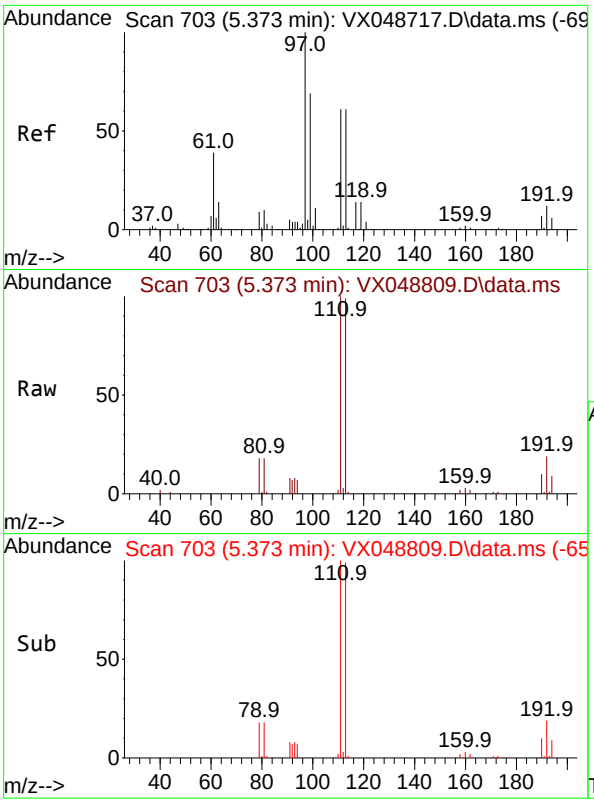


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX048809.D
Acq: 10 Dec 2025 14:30

Tgt Ion:114 Resp: 299203

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.0
88	16.2	0.0	31.8



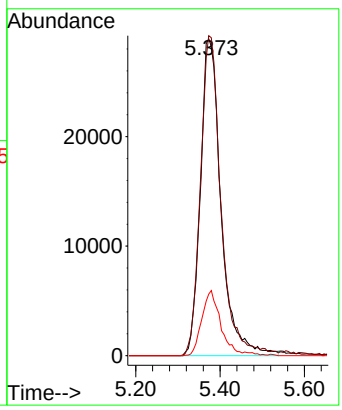


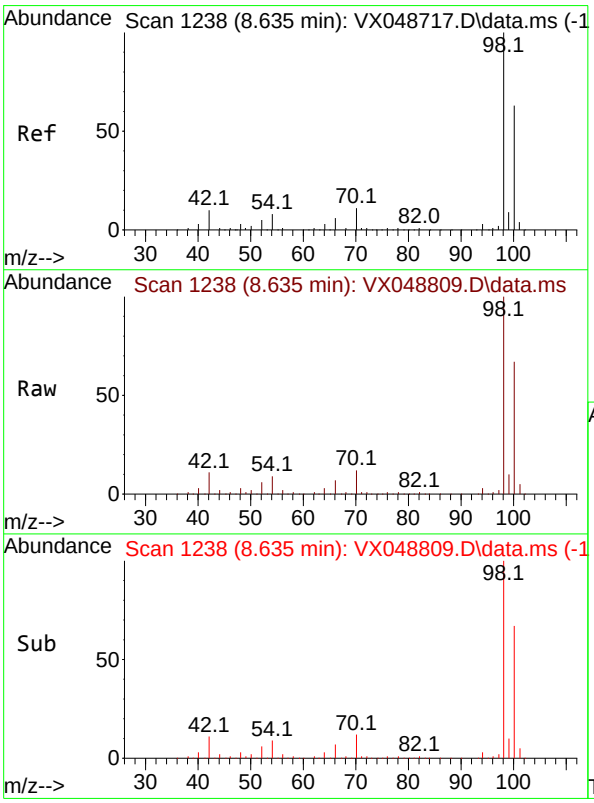
#35
Dibromofluoromethane
Concen: 47.864 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048809.D
Acq: 10 Dec 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425RE

Tgt Ion:113 Resp: 98607

Ion	Ratio	Lower	Upper
113	100		
111	100.8	79.5	119.3
192	18.6	16.1	24.1

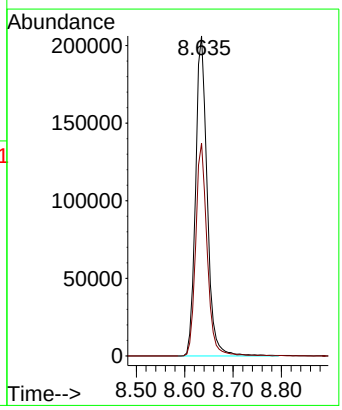


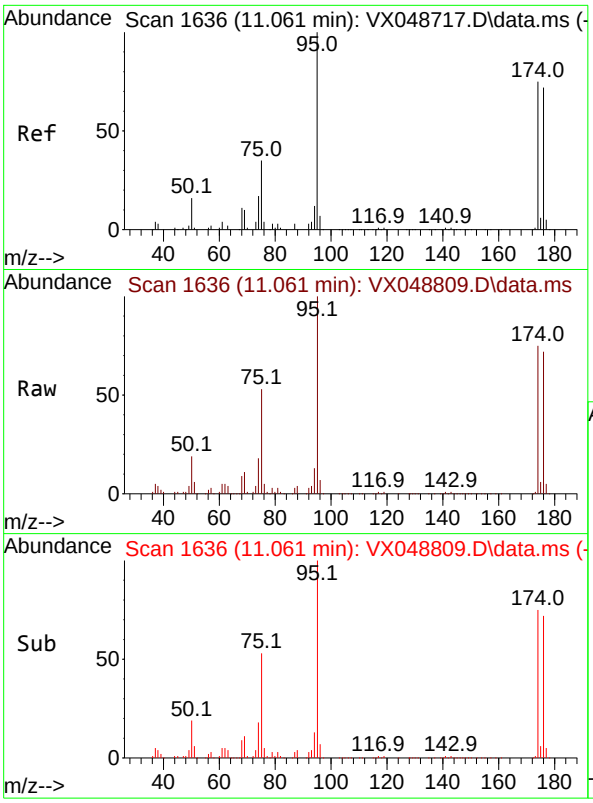


#50
Toluene-d8
Concen: 47.412 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048809.D
Acq: 10 Dec 2025 14:30

Tgt Ion: 98 Resp: 342378

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.4	80.0



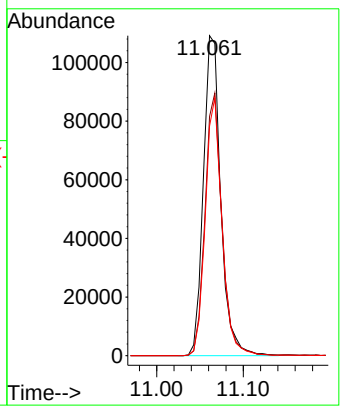


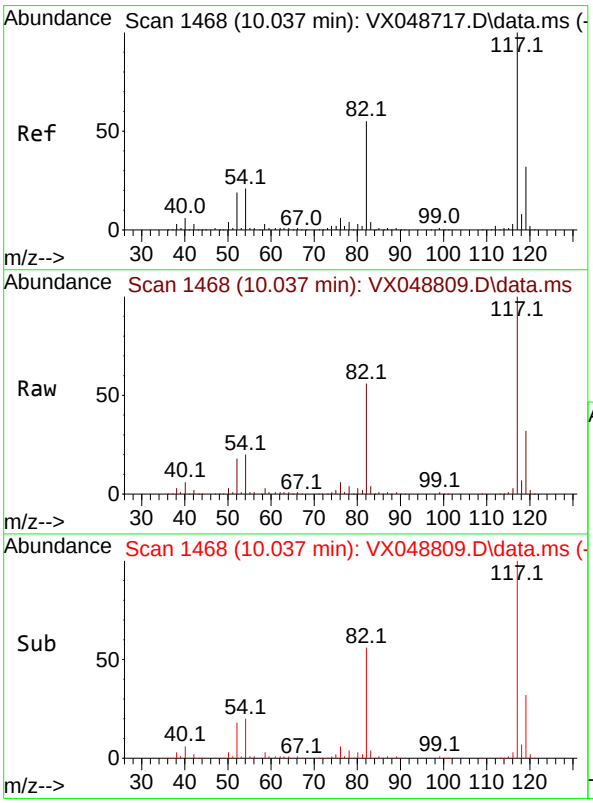
#62
4-Bromofluorobenzene
Concen: 60.948 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048809.D
Acq: 10 Dec 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425RE

Tgt Ion: 95 Resp: 151770

Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	157.8
176	77.9	0.0	154.0

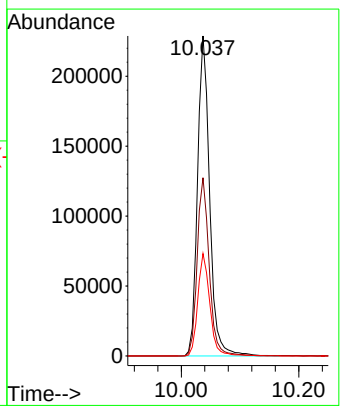


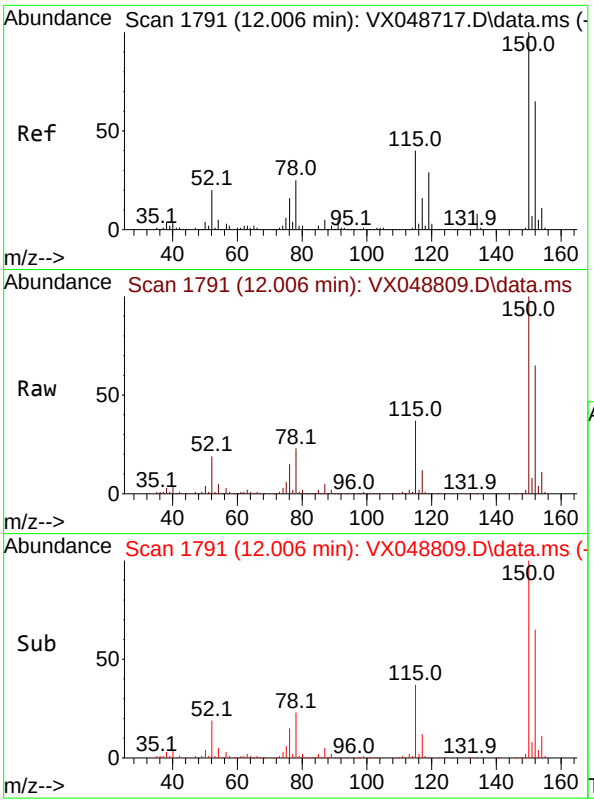


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048809.D
Acq: 10 Dec 2025 14:30

Tgt Ion:117 Resp: 326420

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.1	66.1
119	32.0	25.2	37.8



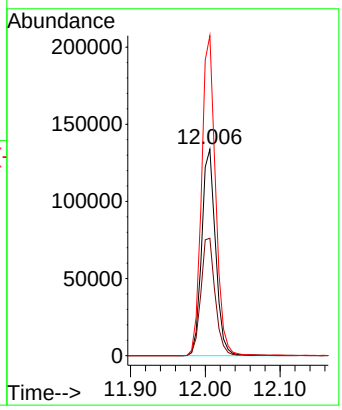


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048809.D
Acq: 10 Dec 2025 14:30

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425RE

Tgt Ion:152 Resp: 172615

Ion	Ratio	Lower	Upper
152	100		
115	58.6	42.1	126.4
150	155.9	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048755.D
Acq On : 08 Dec 2025 15:18
Operator : JC/MD
Sample : Q3787-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FD

Quant Time: Dec 09 04:11:39 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

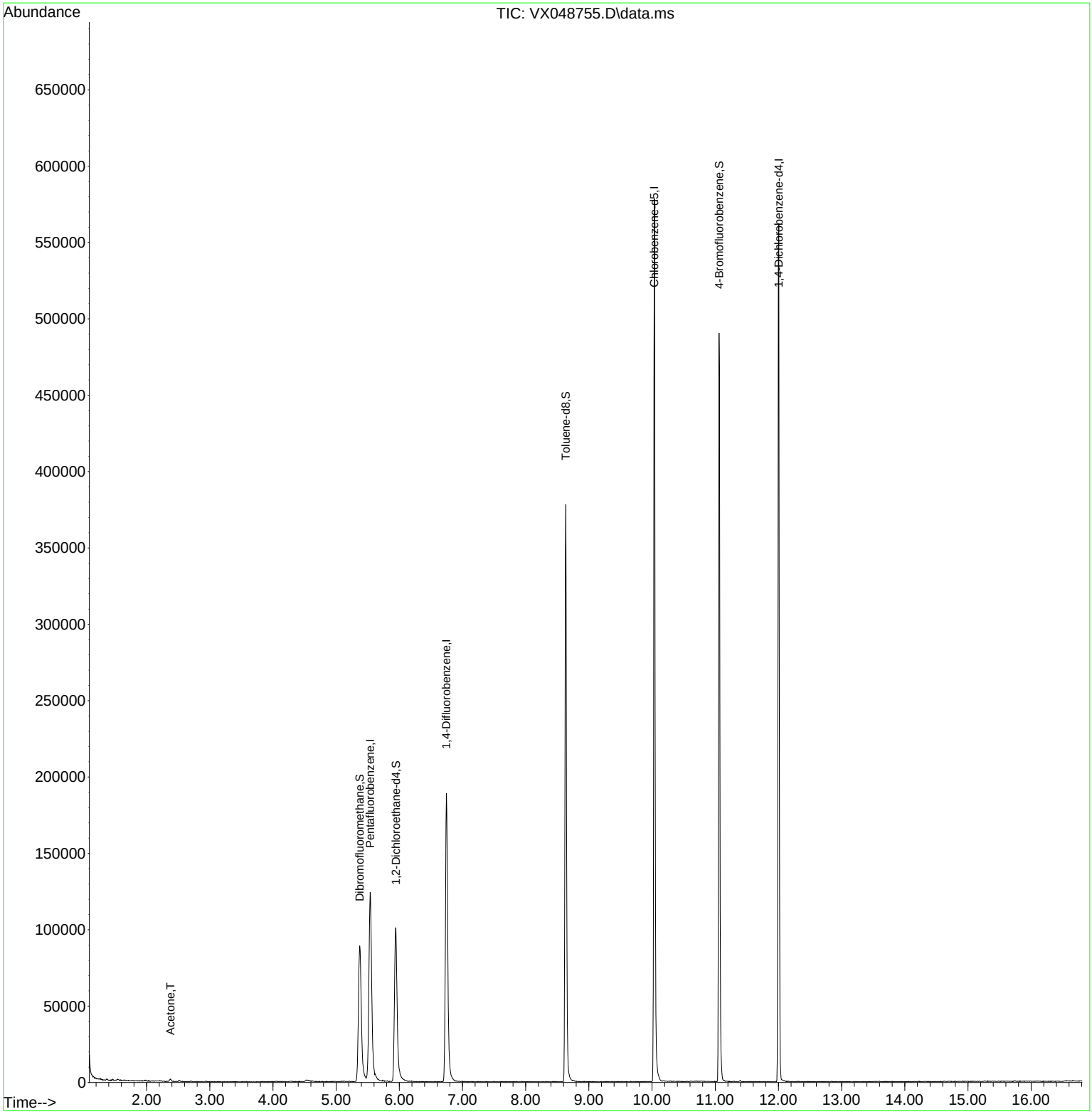
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	121788	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.745	114	204088	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	259488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	114522	70.060	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 140.120%#			
35) Dibromofluoromethane	5.373	113	87733	62.433	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 124.860%#			
50) Toluene-d8	8.635	98	237814	48.280	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.560%			
62) 4-Bromofluorobenzene	11.061	95	131784	77.586	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 155.180%#			
Target Compounds						Qvalue
16) Acetone	2.380	43	2363	3.776	ug/l	97

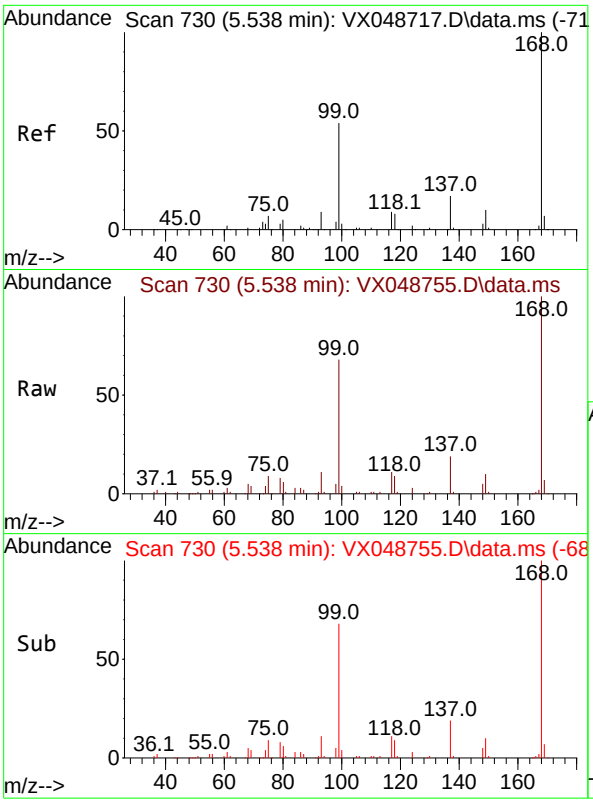
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048755.D
Acq On : 08 Dec 2025 15:18
Operator : JC/MD
Sample : Q3787-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FD

Quant Time: Dec 09 04:11:39 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



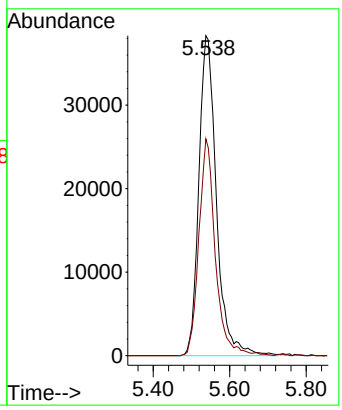


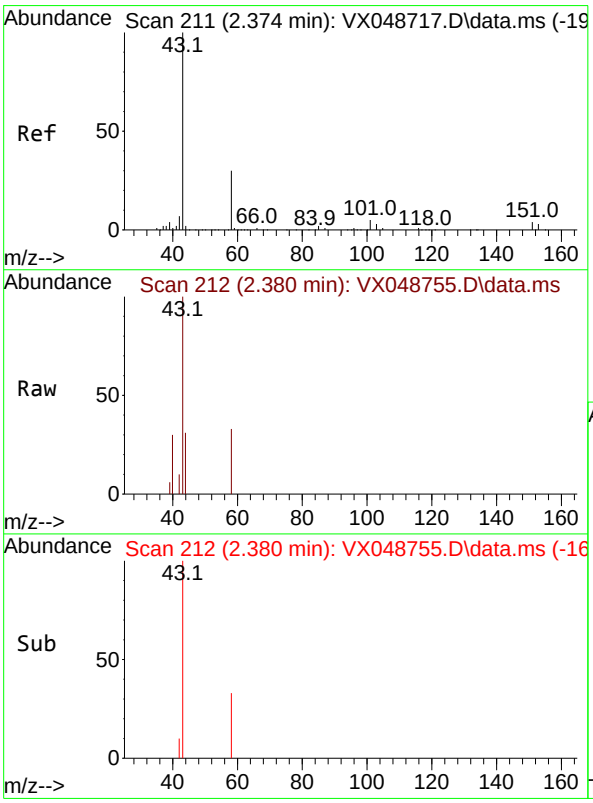
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048755.D
Acq: 08 Dec 2025 15:18

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FD

Tgt Ion:168 Resp: 121788

Ion	Ratio	Lower	Upper
168	100		
99	67.8	44.2	66.4#

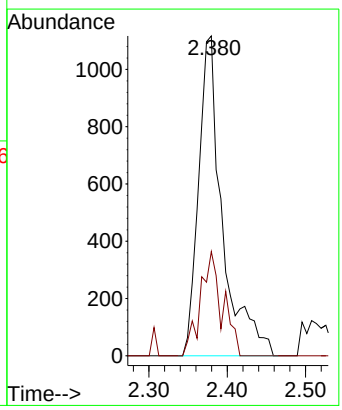




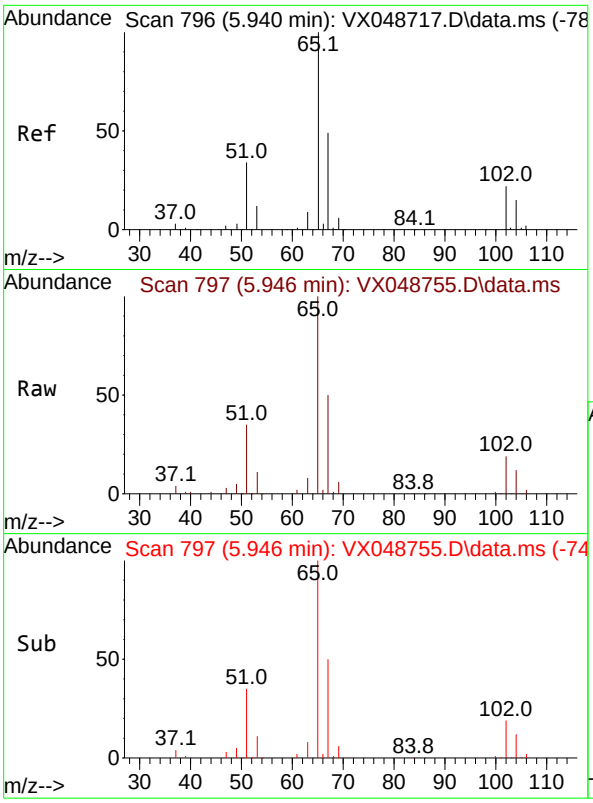
#16
Acetone
Concen: 3.776 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048755.D
Acq: 08 Dec 2025 15:18

Tgt Ion: 43 Resp: 2363

Ion	Ratio	Lower	Upper
43	100		
58	32.6	25.0	37.4



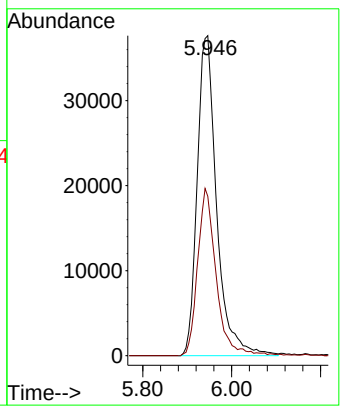
Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FD

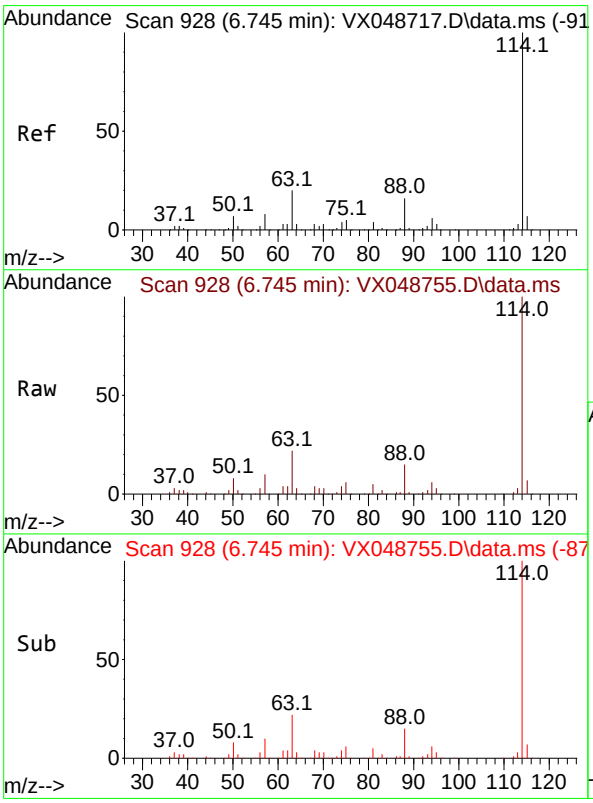


#33
1,2-Dichloroethane-d4
Concen: 70.060 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048755.D
Acq: 08 Dec 2025 15:18

Tgt Ion: 65 Resp: 114522

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	107.4

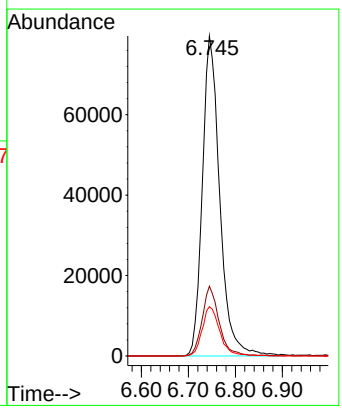


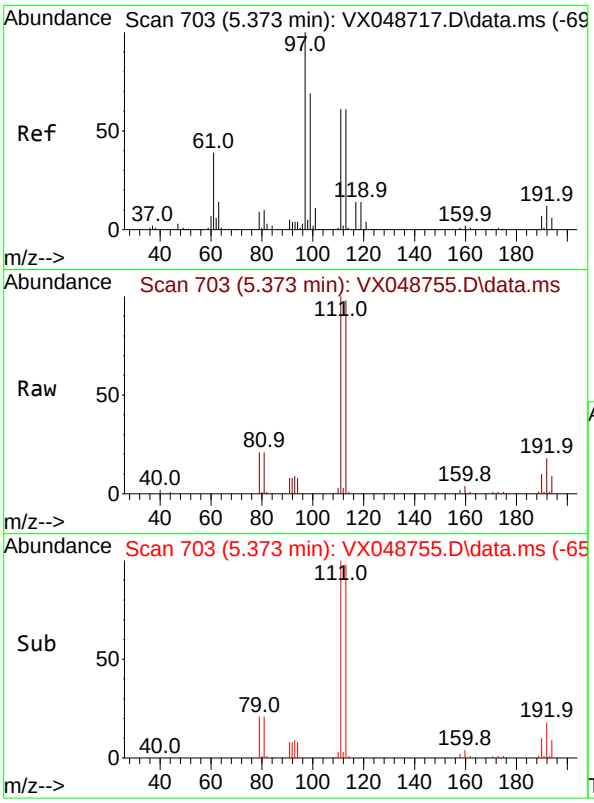


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048755.D
Acq: 08 Dec 2025 15:18

Tgt Ion:114 Resp: 204088

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	39.0
88	15.4	0.0	31.8



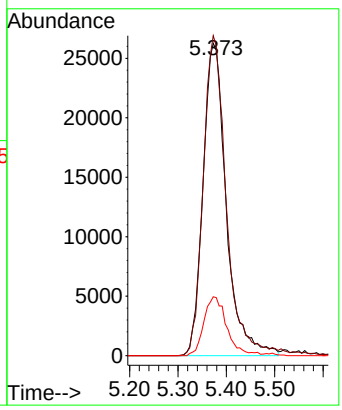


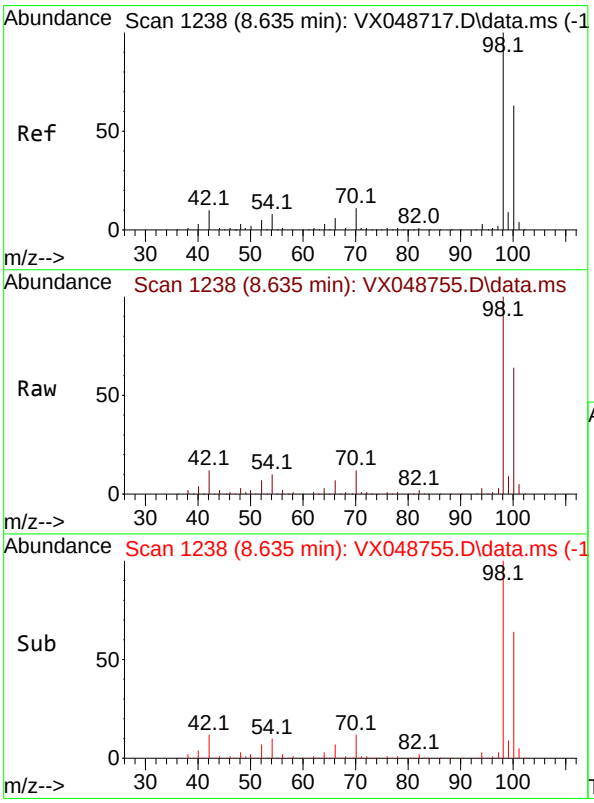
#35
Dibromofluoromethane
Concen: 62.433 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048755.D
Acq: 08 Dec 2025 15:18

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FD

Tgt Ion:113 Resp: 87733

Ion	Ratio	Lower	Upper
113	100		
111	101.8	79.5	119.3
192	18.6	16.1	24.1

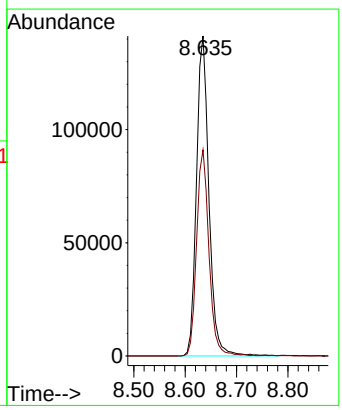


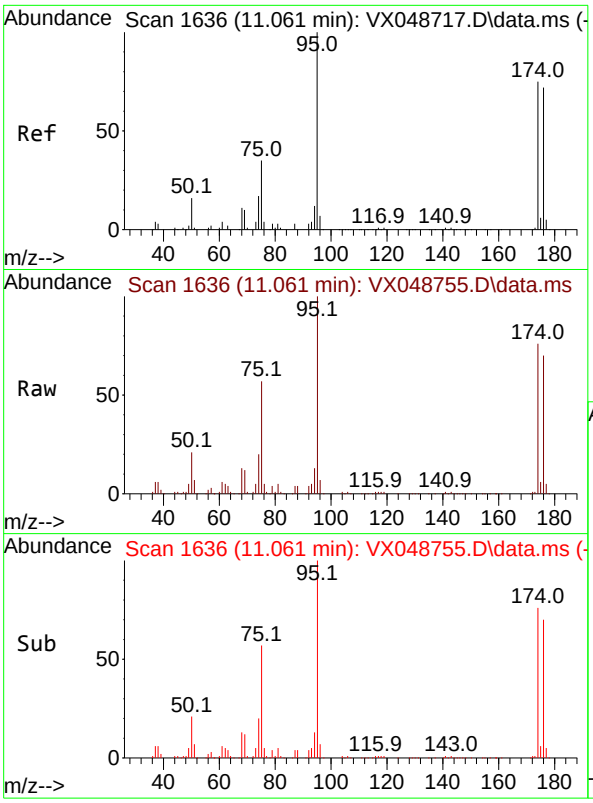


#50
Toluene-d8
Concen: 48.280 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048755.D
Acq: 08 Dec 2025 15:18

Tgt Ion: 98 Resp: 237814

Ion	Ratio	Lower	Upper
98	100		
100	64.0	53.4	80.0



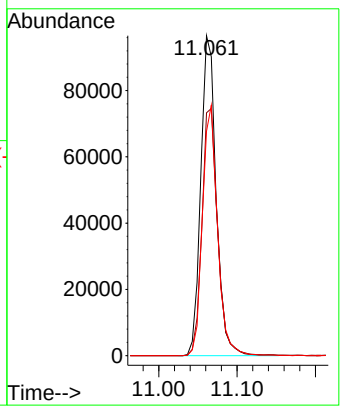


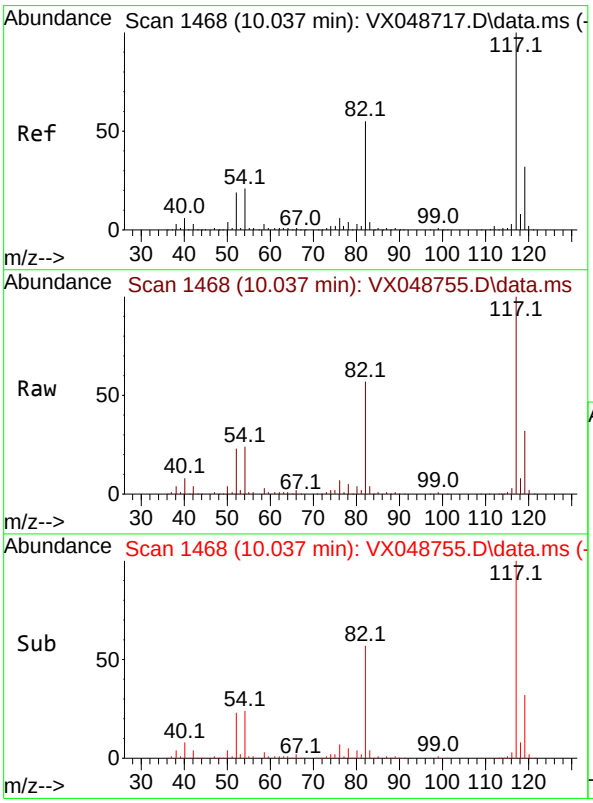
#62
4-Bromofluorobenzene
Concen: 77.586 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048755.D
Acq: 08 Dec 2025 15:18

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FD

Tgt Ion: 95 Resp: 131784

Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	157.8
176	77.0	0.0	154.0

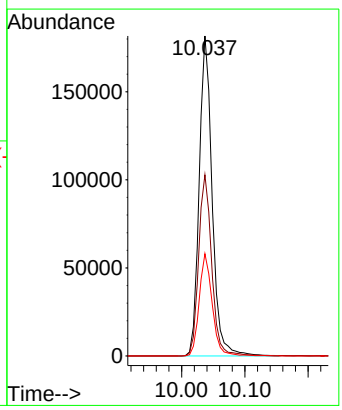


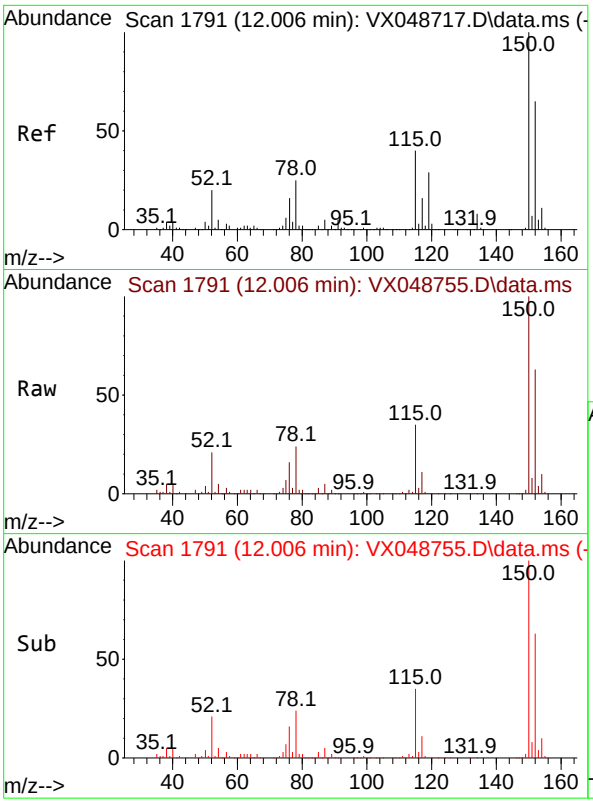


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048755.D
Acq: 08 Dec 2025 15:18

Tgt Ion:117 Resp: 259488

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.1	66.1
119	32.0	25.2	37.8



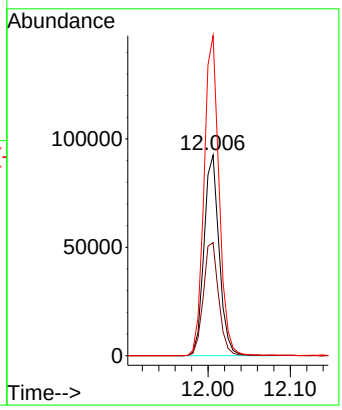


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048755.D
Acq: 08 Dec 2025 15:18

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FD

Tgt Ion:152 Resp: 118375

Ion	Ratio	Lower	Upper
152	100		
115	57.2	42.1	126.4
150	158.2	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048810.D
Acq On : 10 Dec 2025 14:51
Operator : JC/MD
Sample : Q3787-13RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FDRE

Quant Time: Dec 11 00:23:50 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

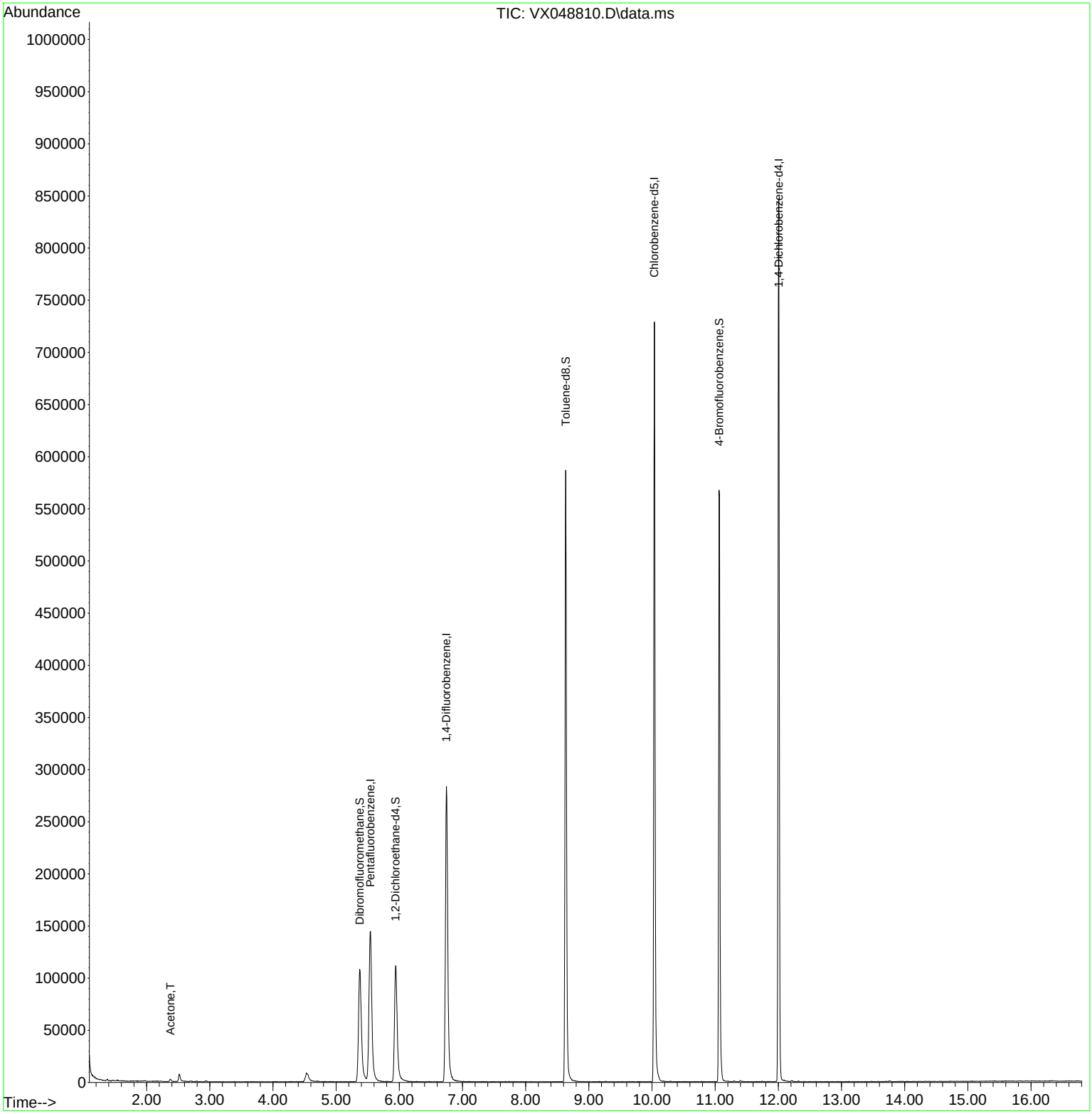
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	152091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	320261	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	354570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	184719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	125850	61.651	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 123.300%#			
35) Dibromofluoromethane	5.373	113	107682	48.833	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.660%			
50) Toluene-d8	8.635	98	375438	48.571	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.140%			
62) 4-Bromofluorobenzene	11.061	95	166905	62.619	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 125.240%#			
Target Compounds						Qvalue
16) Acetone	2.380	43	3269	4.183	ug/l	98

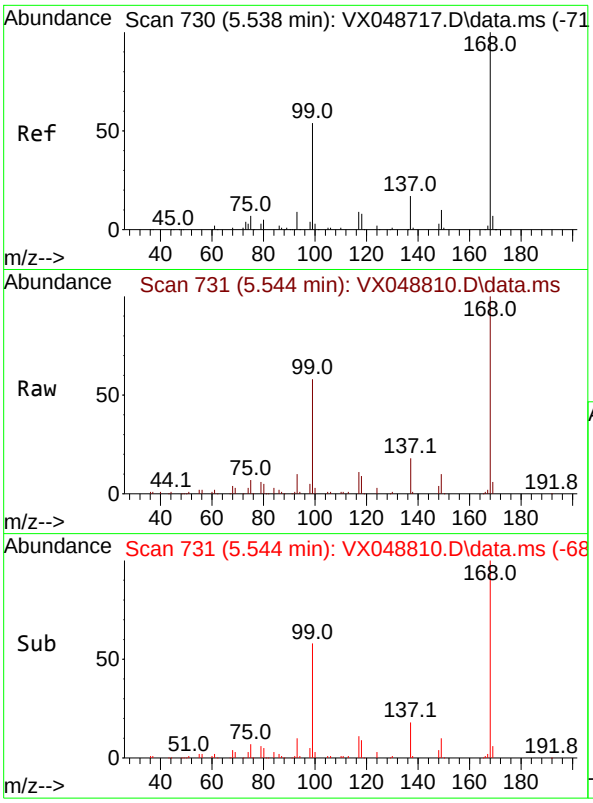
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048810.D
Acq On : 10 Dec 2025 14:51
Operator : JC/MD
Sample : Q3787-13RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FDRE

Quant Time: Dec 11 00:23:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



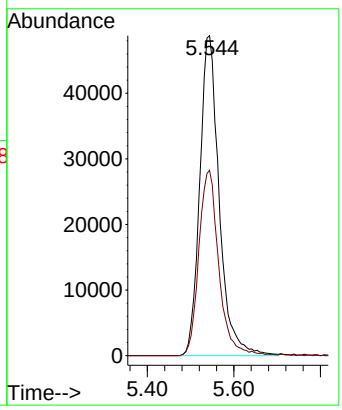


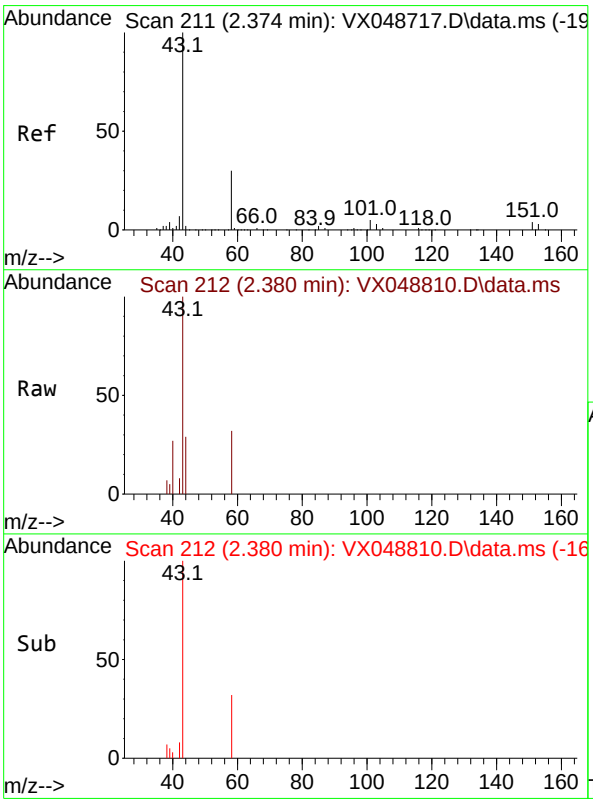
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048810.D
Acq: 10 Dec 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FDRE

Tgt Ion:168 Resp: 152091

Ion	Ratio	Lower	Upper
168	100		
99	57.9	44.2	66.4

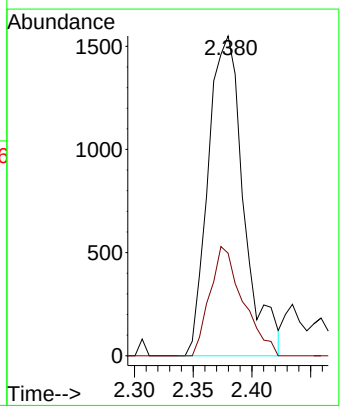


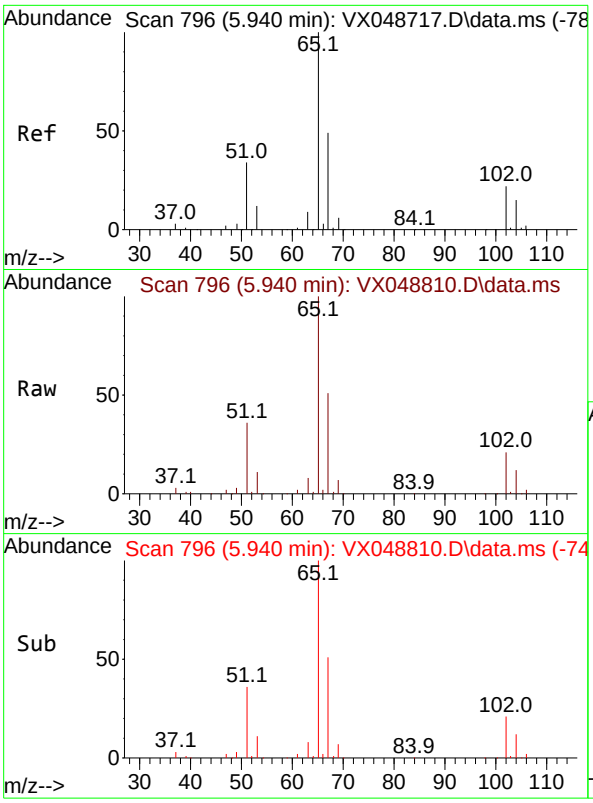


#16
Acetone
Concen: 4.183 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048810.D
Acq: 10 Dec 2025 14:51

Tgt Ion: 43 Resp: 3269

Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.0	37.4



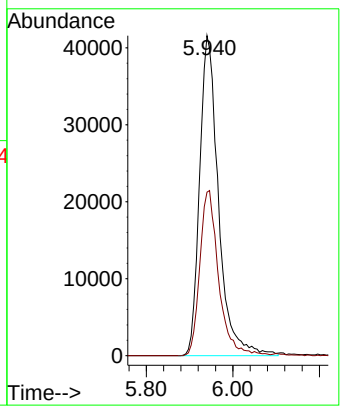


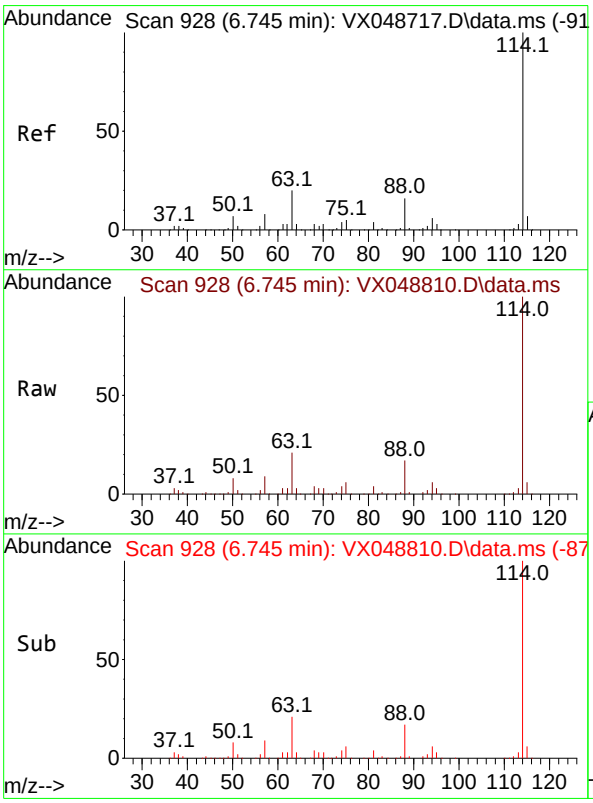
#33
1,2-Dichloroethane-d4
Concen: 61.651 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048810.D
Acq: 10 Dec 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FDRE

Tgt Ion: 65 Resp: 125850

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	107.4

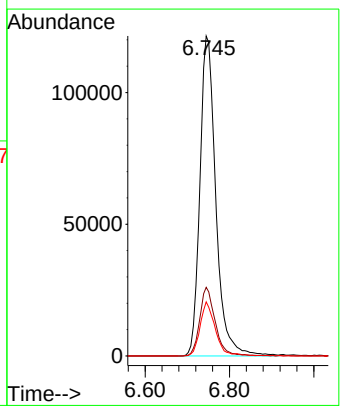


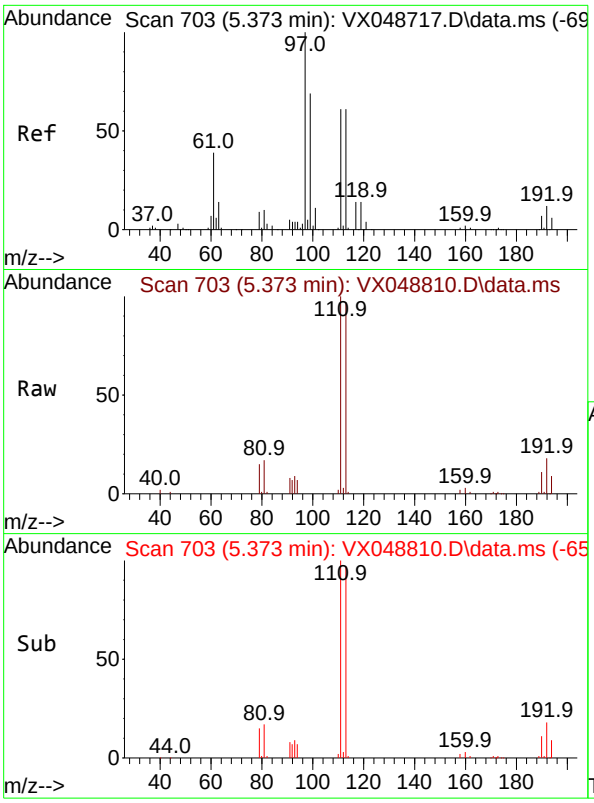


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX048810.D
Acq: 10 Dec 2025 14:51

Tgt Ion:114 Resp: 320261

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	39.0
88	16.9	0.0	31.8



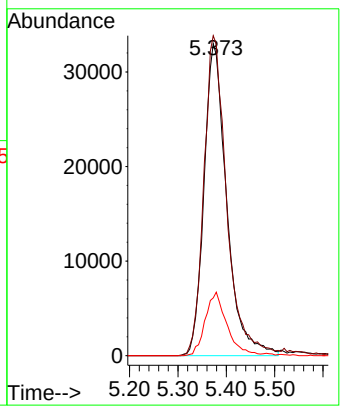


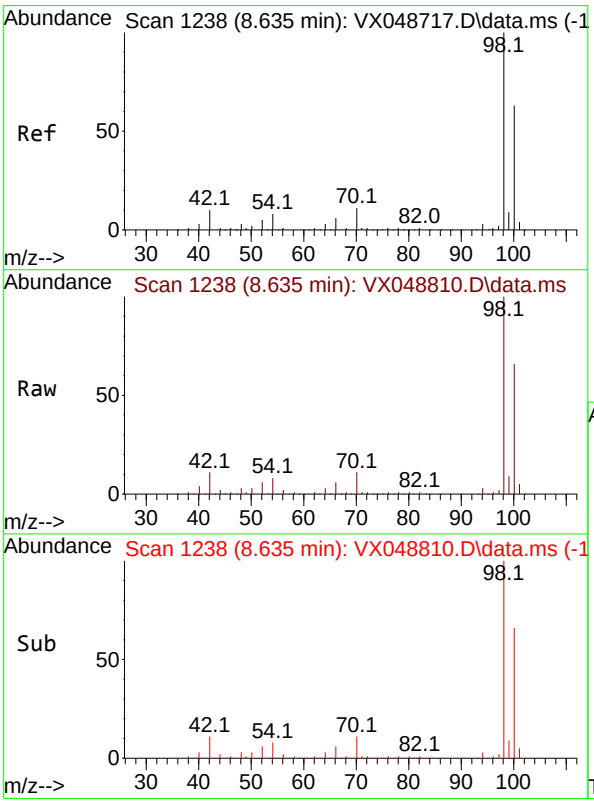
#35
Dibromofluoromethane
Concen: 48.833 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048810.D
Acq: 10 Dec 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FDRE

Tgt Ion:113 Resp: 107682

Ion	Ratio	Lower	Upper
113	100		
111	102.7	79.5	119.3
192	19.4	16.1	24.1

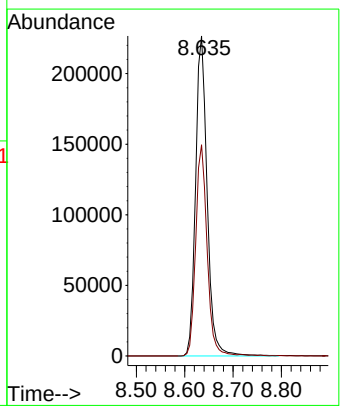


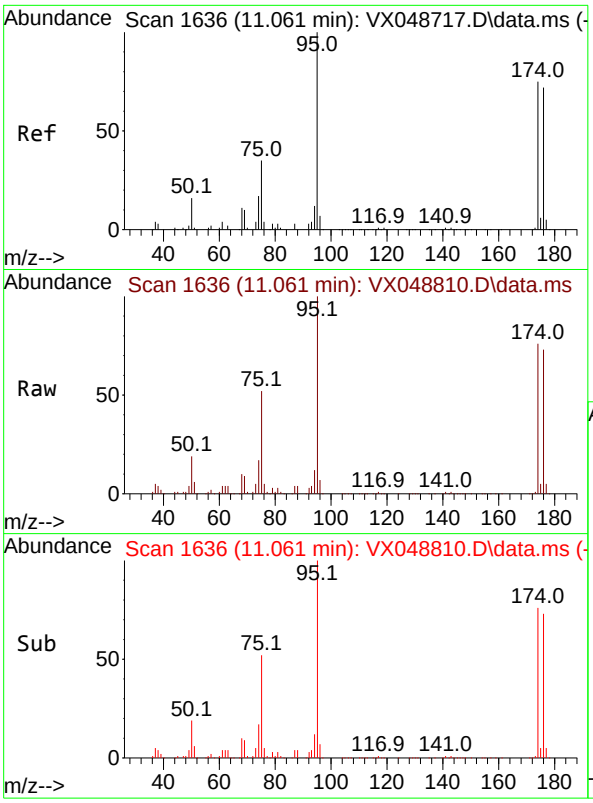


#50
Toluene-d8
Concen: 48.571 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048810.D
Acq: 10 Dec 2025 14:51

Tgt Ion: 98 Resp: 375438

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.4	80.0



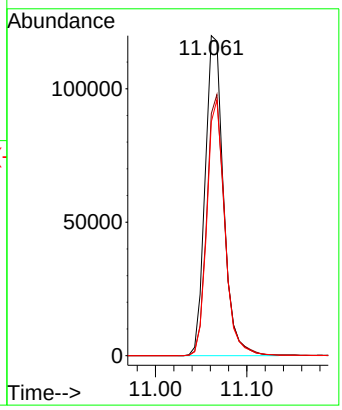


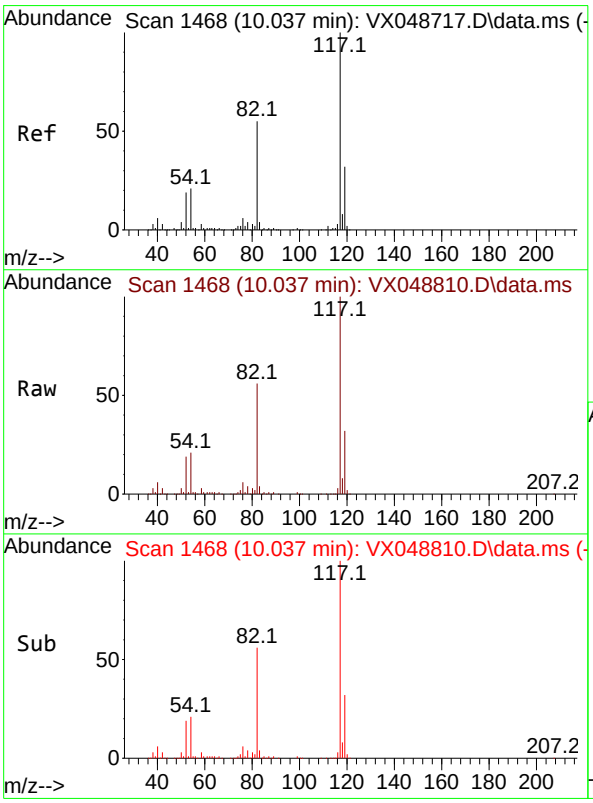
#62
4-Bromofluorobenzene
Concen: 62.619 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048810.D
Acq: 10 Dec 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FDRE

Tgt Ion: 95 Resp: 166905

Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	157.8
176	78.2	0.0	154.0

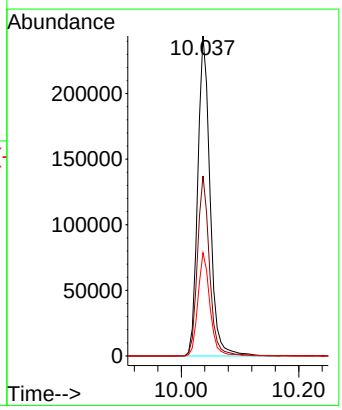


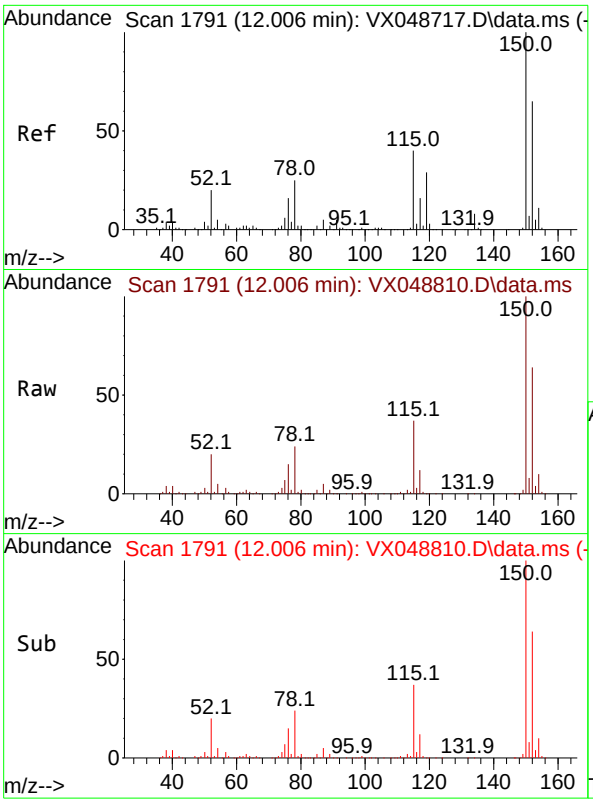


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048810.D
Acq: 10 Dec 2025 14:51

Tgt Ion:117 Resp: 354570

Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.1	66.1
119	32.2	25.2	37.8



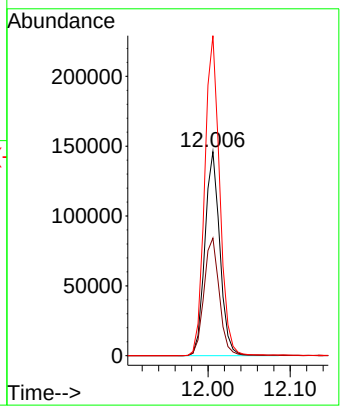


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048810.D
Acq: 10 Dec 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :
OW-03B-51.5-120425-FDRE

Tgt Ion:152 Resp: 184719

Ion	Ratio	Lower	Upper
152	100		
115	59.1	42.1	126.4
150	157.2	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048756.D
Acq On : 08 Dec 2025 15:38
Operator : JC/MD
Sample : Q3787-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425

Quant Time: Dec 09 04:11:58 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

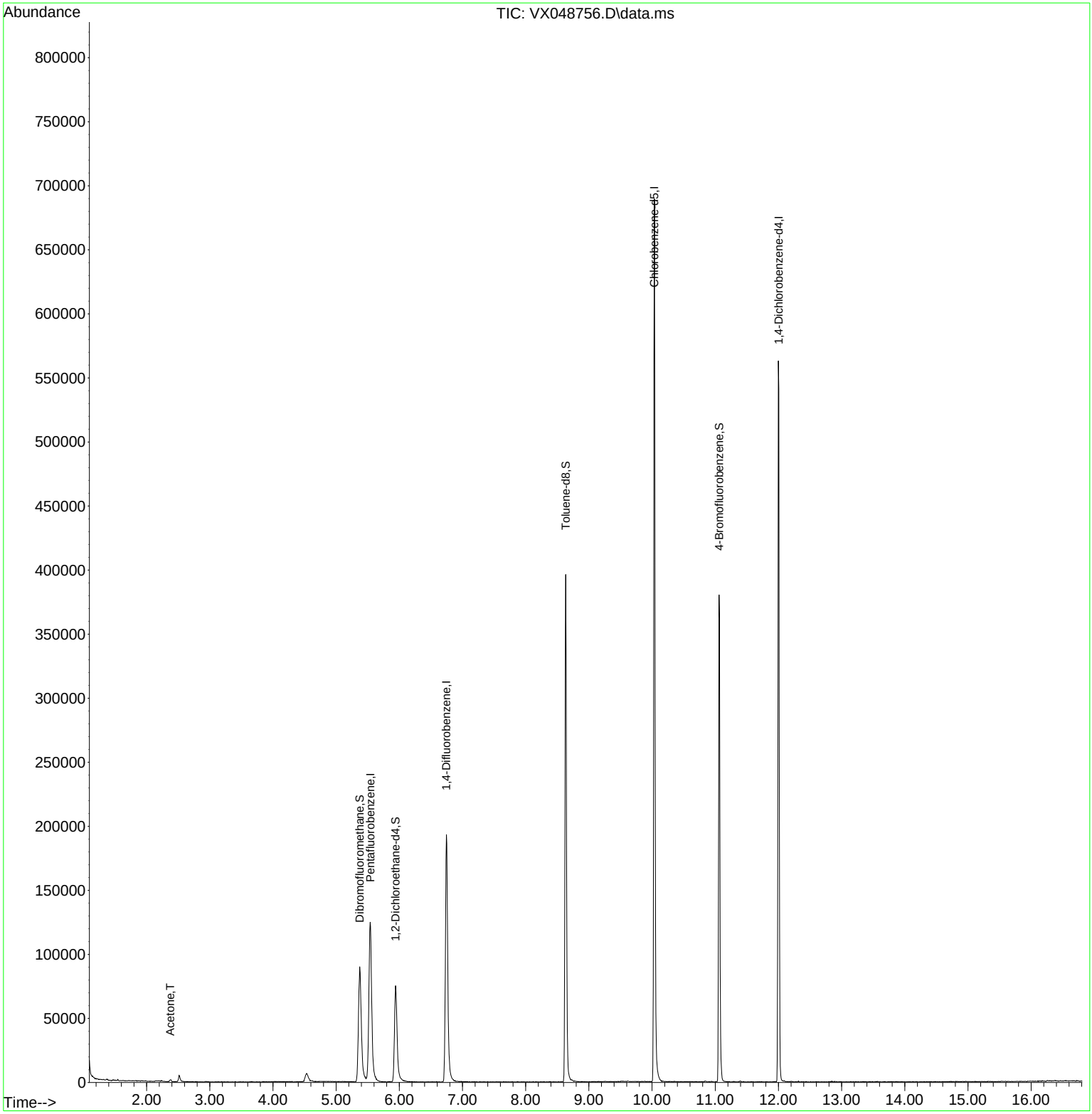
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	124545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	210799	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	312315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	78747	47.108	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 94.220%			
35) Dibromofluoromethane	5.373	113	86750	59.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 119.540%			
50) Toluene-d8	8.635	98	244119	47.982	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.960%			
62) 4-Bromofluorobenzene	11.061	95	103491	58.989	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.980%			
Target Compounds						Qvalue
16) Acetone	2.374	43	2204	3.444	ug/l	97

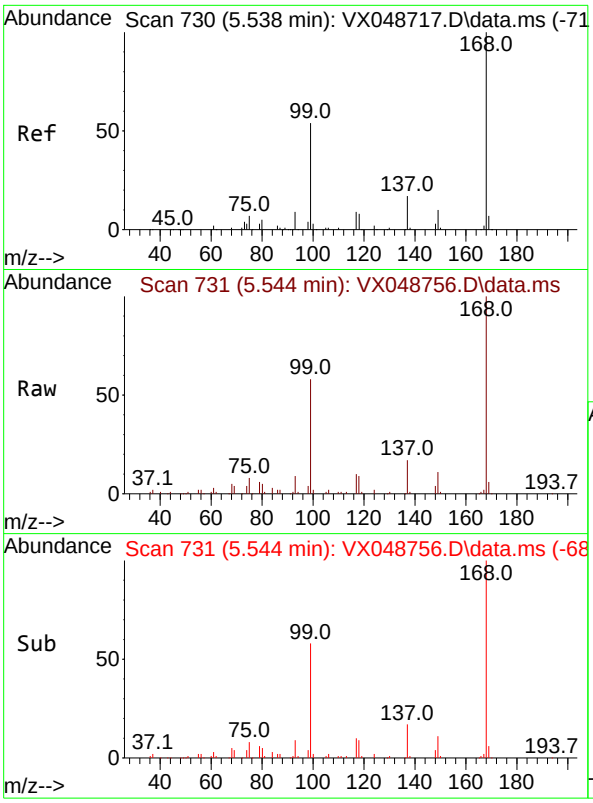
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048756.D
Acq On : 08 Dec 2025 15:38
Operator : JC/MD
Sample : Q3787-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425

Quant Time: Dec 09 04:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



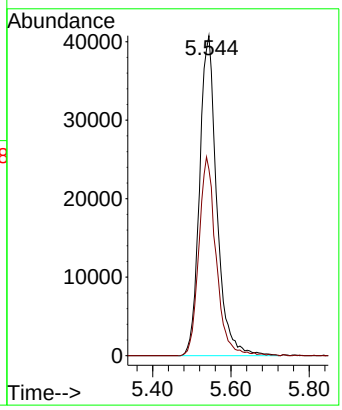


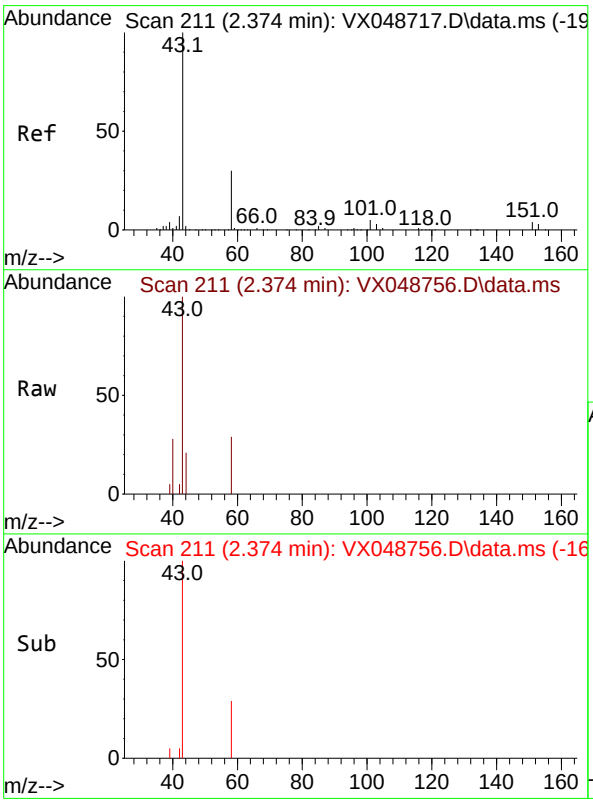
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048756.D
Acq: 08 Dec 2025 15:38

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion:168 Resp: 124545

Ion	Ratio	Lower	Upper
168	100		
99	58.2	44.2	66.4

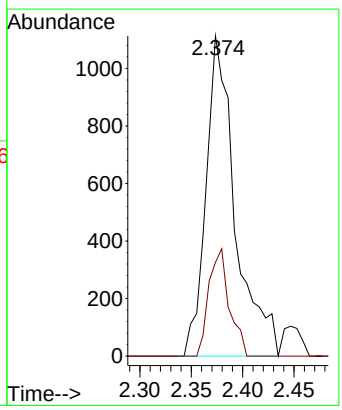


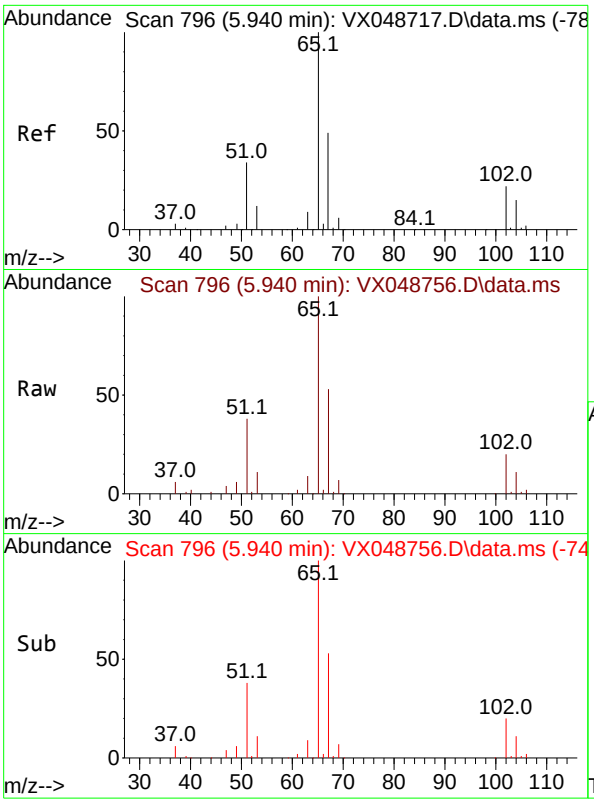


#16
Acetone
Concen: 3.444 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048756.D
Acq: 08 Dec 2025 15:38

Tgt Ion: 43 Resp: 2204

Ion	Ratio	Lower	Upper
43	100		
58	29.3	25.0	37.4



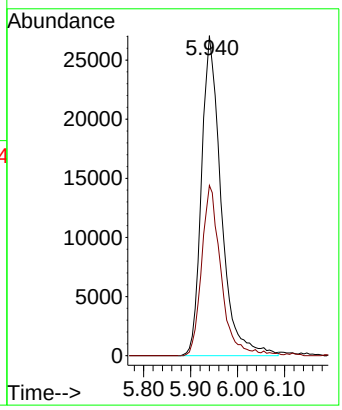


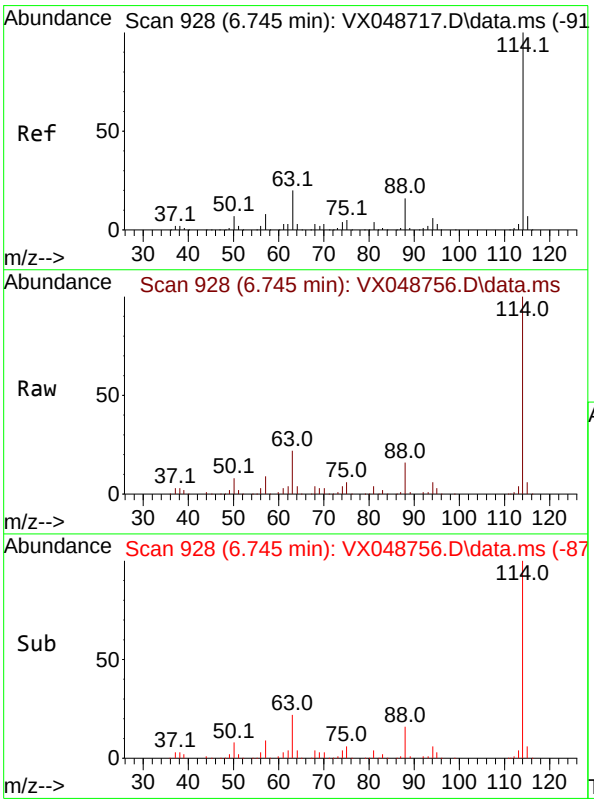
#33
1,2-Dichloroethane-d4
Concen: 47.108 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048756.D
Acq: 08 Dec 2025 15:38

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion: 65 Resp: 78747

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	107.4

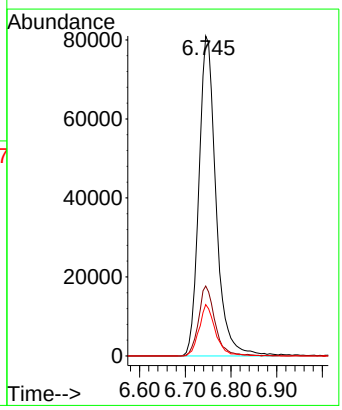


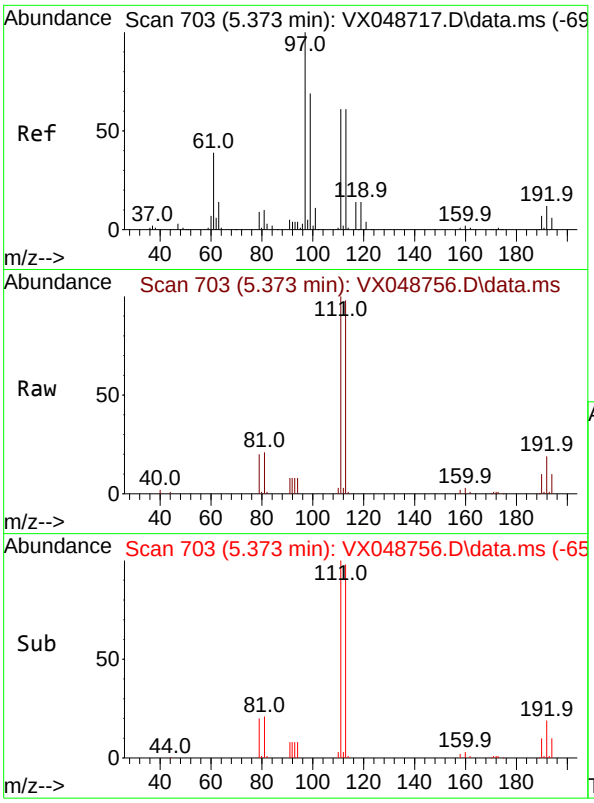


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048756.D
Acq: 08 Dec 2025 15:38

Tgt Ion:114 Resp: 210799

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	39.0
88	16.0	0.0	31.8



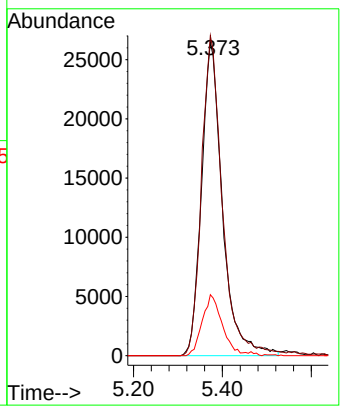


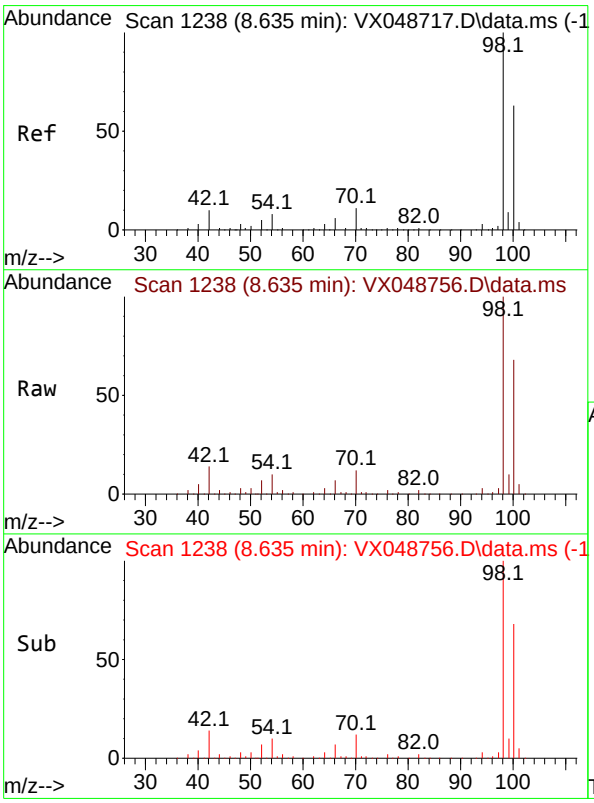
#35
Dibromofluoromethane
Concen: 59.769 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048756.D
Acq: 08 Dec 2025 15:38

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion:113 Resp: 86750

Ion	Ratio	Lower	Upper
113	100		
111	101.6	79.5	119.3
192	18.4	16.1	24.1

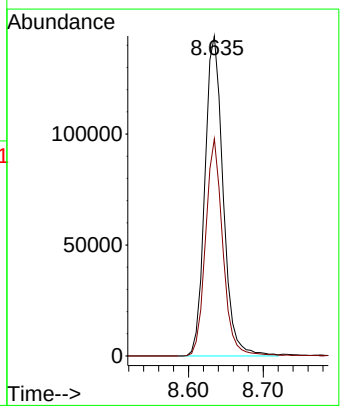


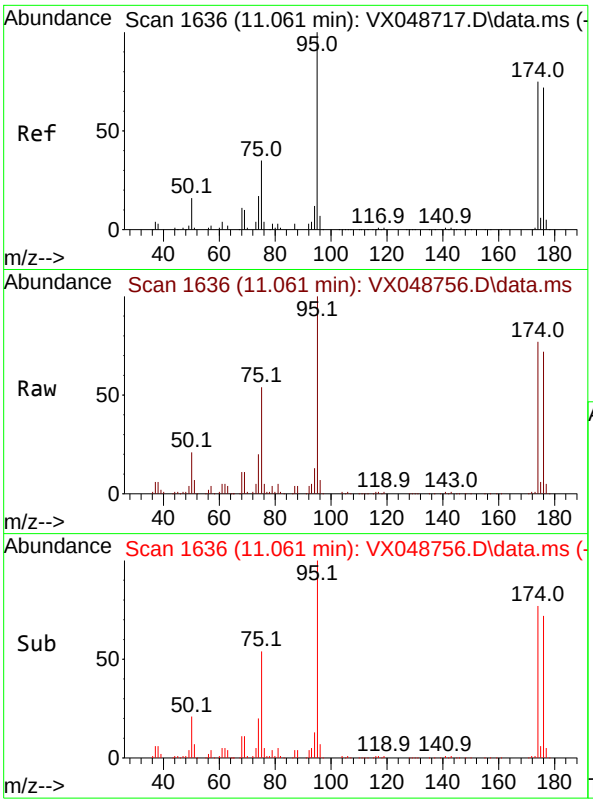


#50
Toluene-d8
Concen: 47.982 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048756.D
Acq: 08 Dec 2025 15:38

Tgt Ion: 98 Resp: 244119

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.4	80.0



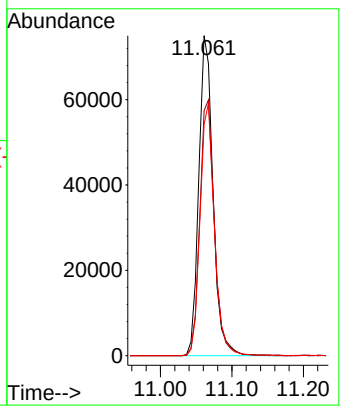


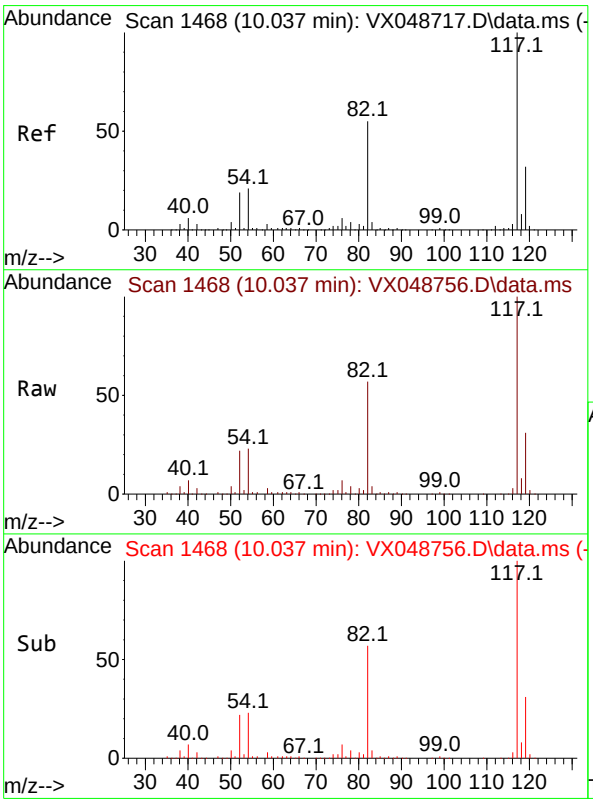
#62
4-Bromofluorobenzene
Concen: 58.989 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048756.D
Acq: 08 Dec 2025 15:38

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion: 95 Resp: 103491

Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	157.8
176	79.5	0.0	154.0

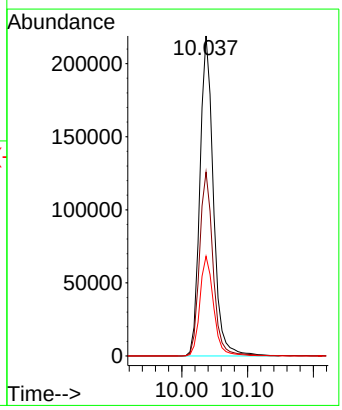


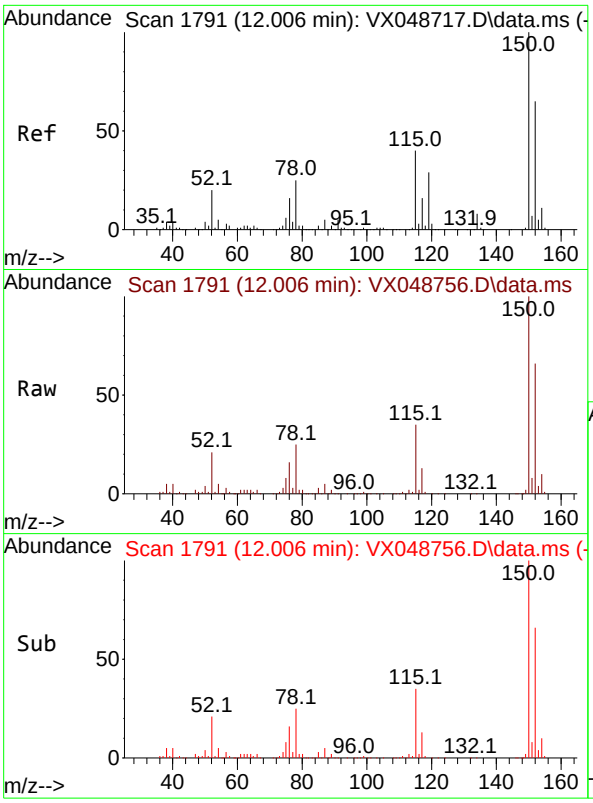


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048756.D
Acq: 08 Dec 2025 15:38

Tgt Ion:117 Resp: 312315

Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.1	66.1
119	31.2	25.2	37.8



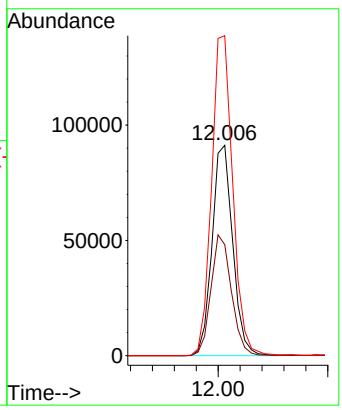


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048756.D
Acq: 08 Dec 2025 15:38

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion:152 Resp: 119855

Ion	Ratio	Lower	Upper
152	100		
115	56.9	42.1	126.4
150	155.6	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048757.D
Acq On : 08 Dec 2025 15:59
Operator : JC/MD
Sample : Q3787-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425-FD

Quant Time: Dec 09 04:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

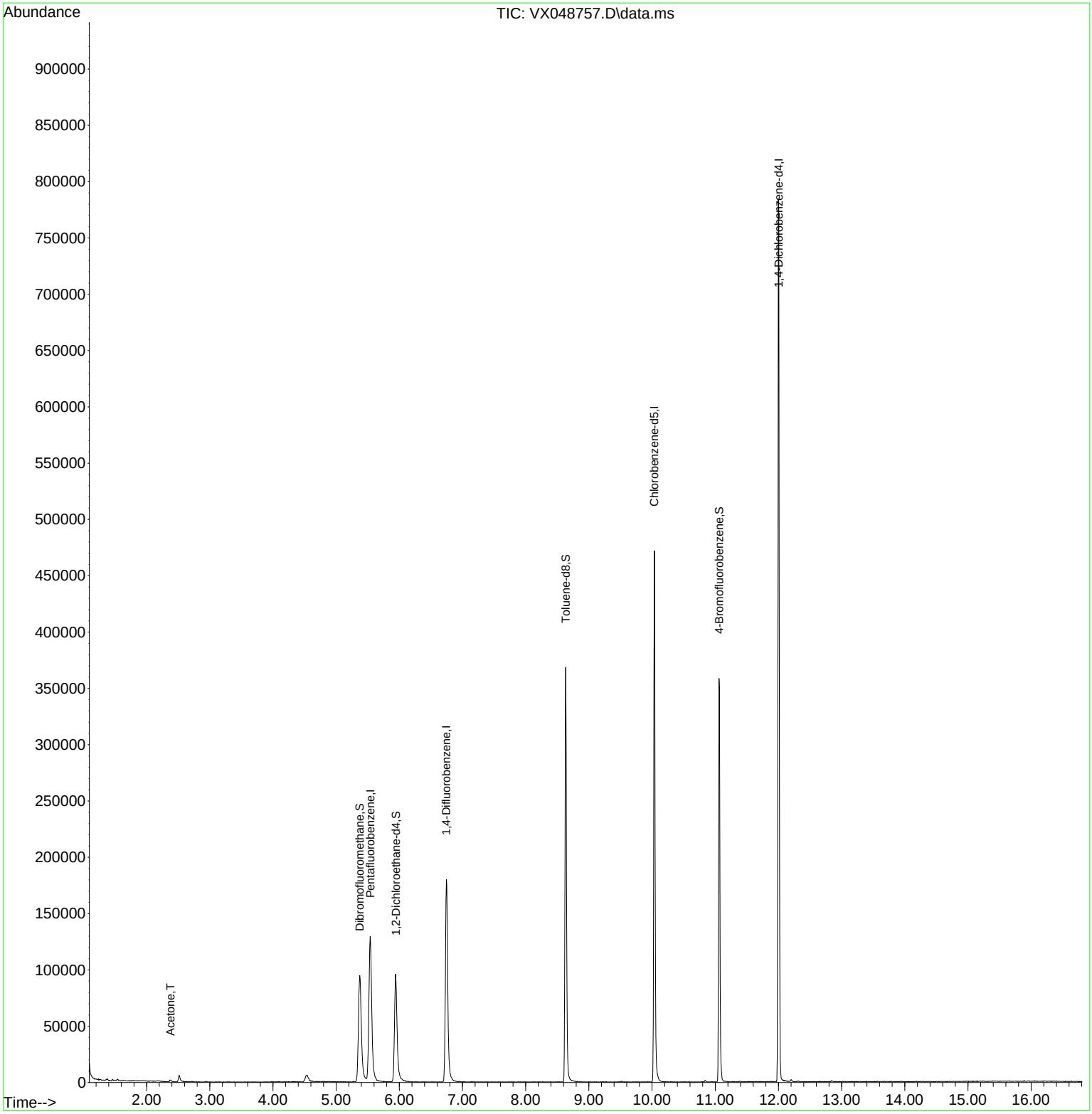
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	127845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	199202	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	216738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	171945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103994	60.606	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 121.220%#			
35) Dibromofluoromethane	5.373	113	93556	68.210	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 136.420%#			
50) Toluene-d8	8.634	98	228610	47.550	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.100%			
62) 4-Bromofluorobenzene	11.061	95	97752	58.962	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.920%			
Target Compounds						Qvalue
16) Acetone	2.380	43	2240	3.410	ug/l #	82

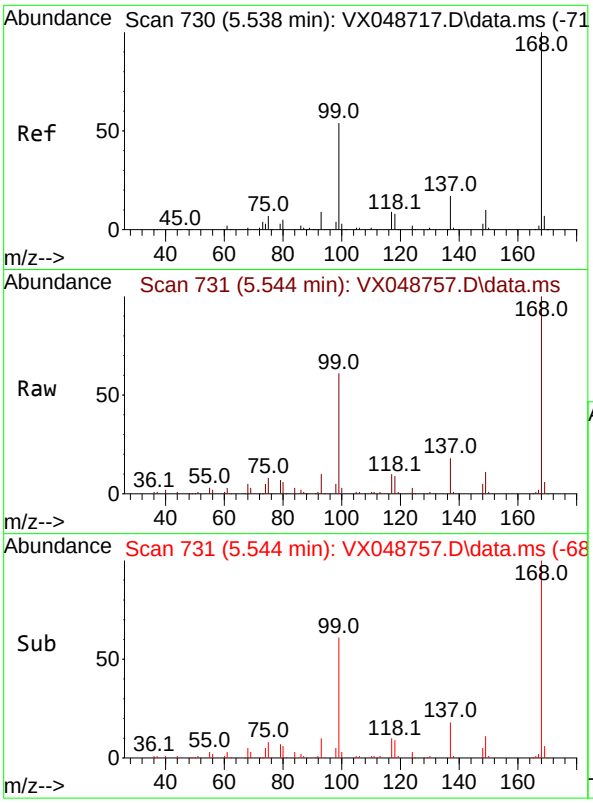
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048757.D
Acq On : 08 Dec 2025 15:59
Operator : JC/MD
Sample : Q3787-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425-FD

Quant Time: Dec 09 04:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



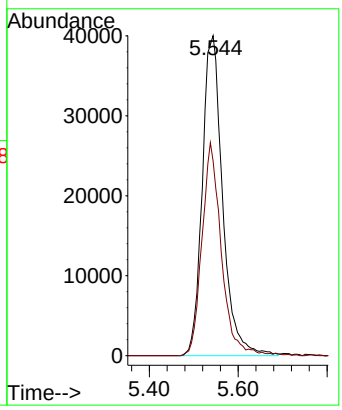


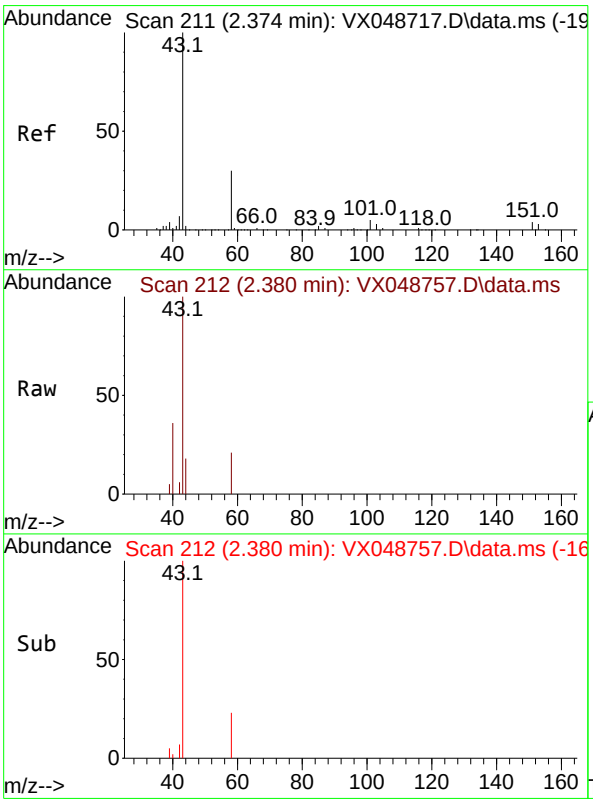
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048757.D
Acq: 08 Dec 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion:168 Resp: 127845

Ion	Ratio	Lower	Upper
168	100		
99	60.9	44.2	66.4

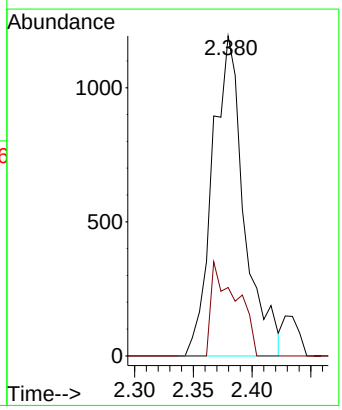


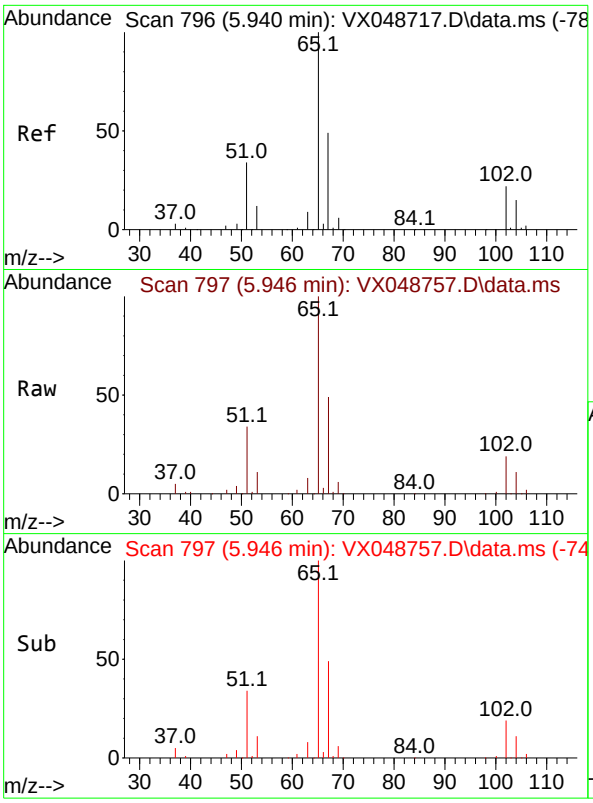


#16
Acetone
Concen: 3.410 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048757.D
Acq: 08 Dec 2025 15:59

Tgt Ion: 43 Resp: 2240

Ion	Ratio	Lower	Upper
43	100		
58	21.4	25.0	37.4#



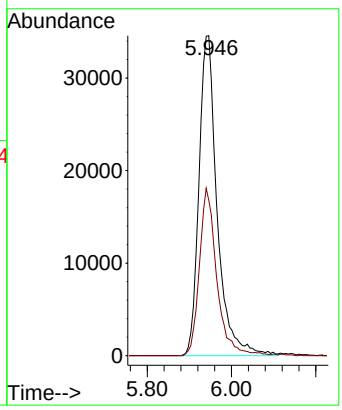


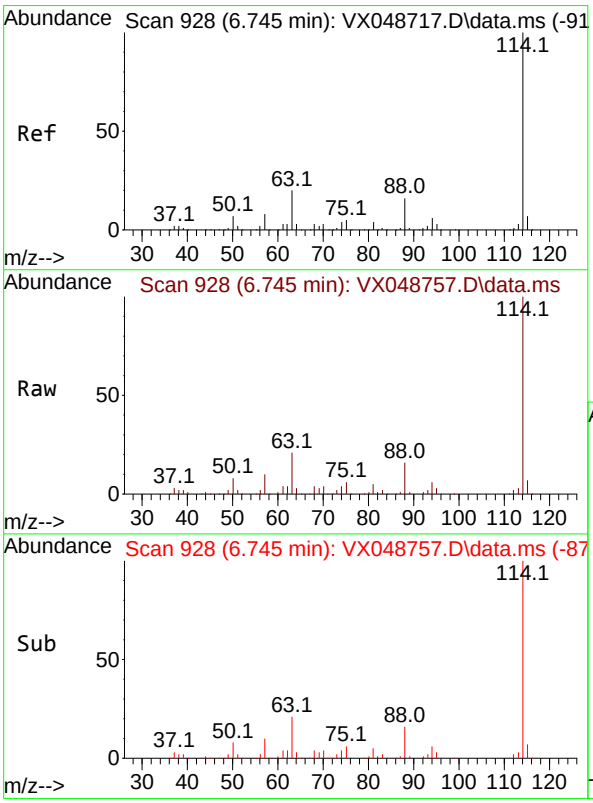
#33
1,2-Dichloroethane-d4
Concen: 60.606 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048757.D
Acq: 08 Dec 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion: 65 Resp: 103994

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	107.4

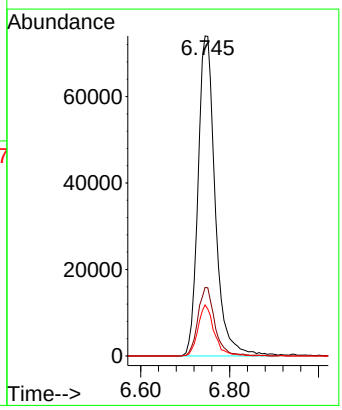


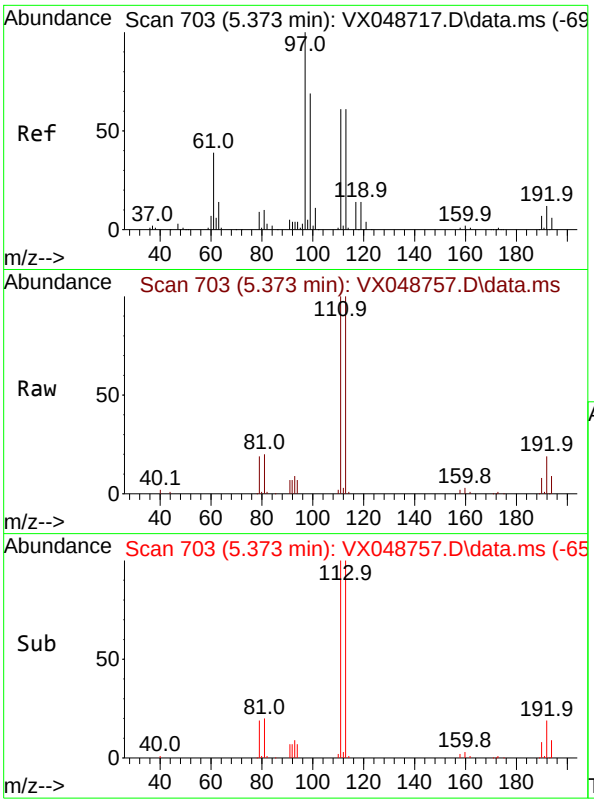


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048757.D
Acq: 08 Dec 2025 15:59

Tgt Ion:114 Resp: 199202

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	39.0
88	16.0	0.0	31.8



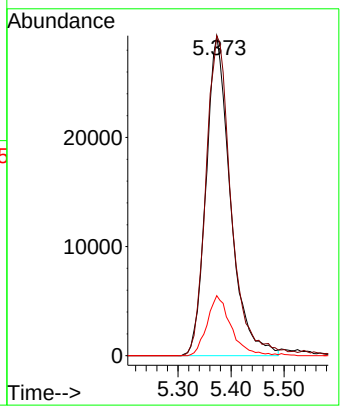


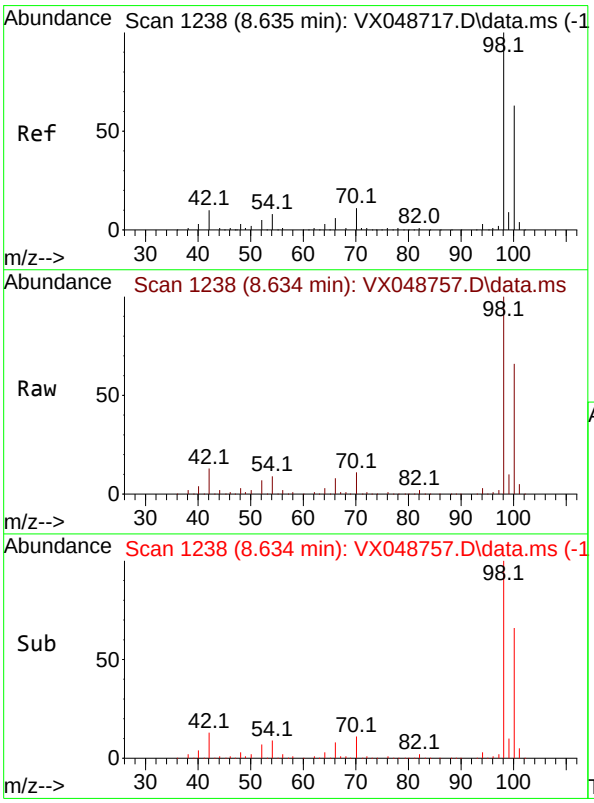
#35
Dibromofluoromethane
Concen: 68.210 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048757.D
Acq: 08 Dec 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion:113 Resp: 93556

Ion	Ratio	Lower	Upper
113	100		
111	103.7	79.5	119.3
192	18.5	16.1	24.1

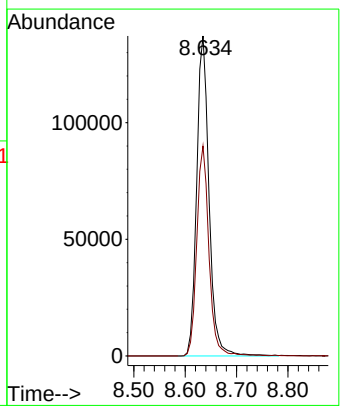


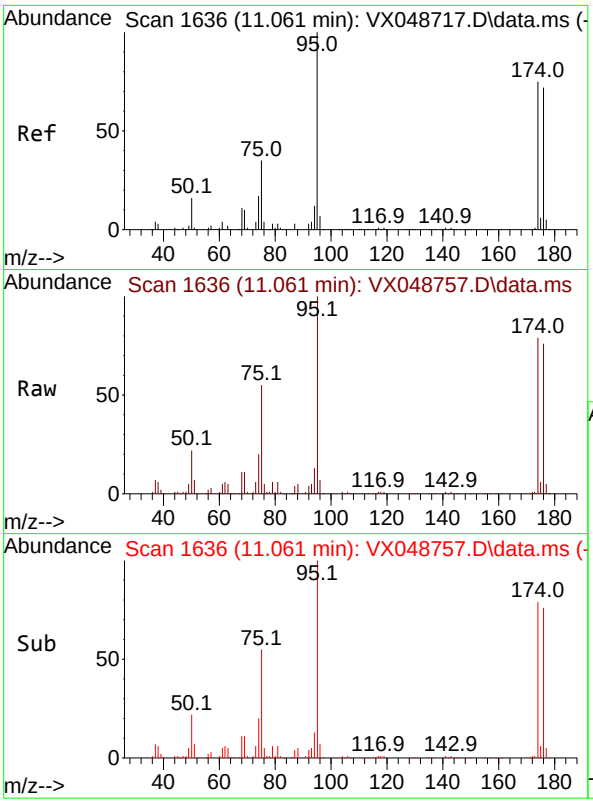


#50
Toluene-d8
Concen: 47.550 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048757.D
Acq: 08 Dec 2025 15:59

Tgt Ion: 98 Resp: 228610

Ion	Ratio	Lower	Upper
98	100		
100	64.9	53.4	80.0



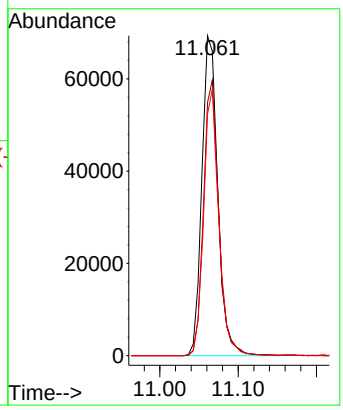


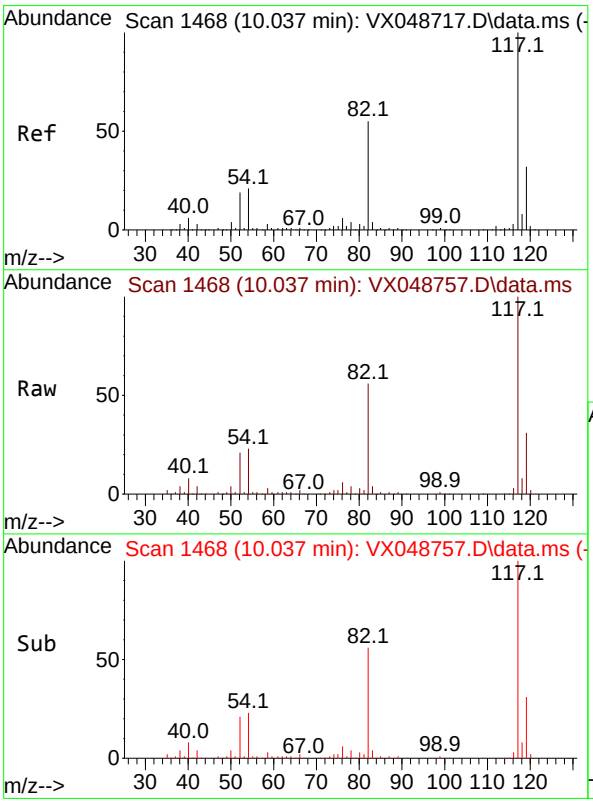
#62
4-Bromofluorobenzene
Concen: 58.962 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048757.D
Acq: 08 Dec 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion: 95 Resp: 97752

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	157.8
176	79.5	0.0	154.0

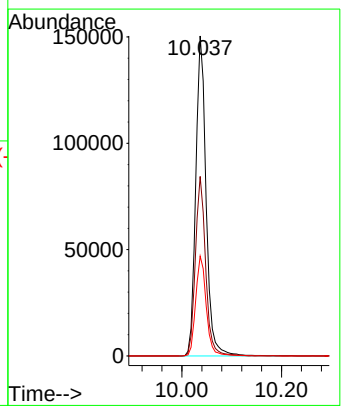


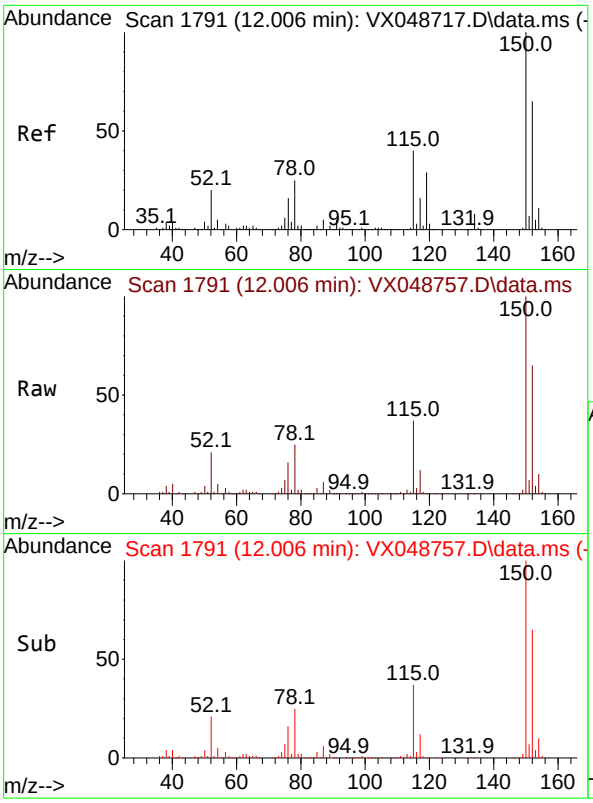


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048757.D
Acq: 08 Dec 2025 15:59

Tgt Ion:117 Resp: 216738

Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.1	66.1
119	31.2	25.2	37.8



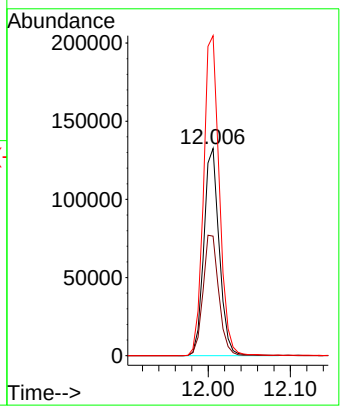


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048757.D
Acq: 08 Dec 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion:152 Resp: 171945

Ion	Ratio	Lower	Upper
152	100		
115	59.7	42.1	126.4
150	158.7	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048811.D
Acq On : 10 Dec 2025 15:11
Operator : JC/MD
Sample : Q3787-17RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425-FDRE

Quant Time: Dec 11 00:24:15 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	154804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	318388	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	343017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	186375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	121686	58.566	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.140%#			
35) Dibromofluoromethane	5.379	113	104014	47.447	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.900%			
50) Toluene-d8	8.635	98	361441	47.035	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.080%			
62) 4-Bromofluorobenzene	11.061	95	162743	61.416	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 122.840%			

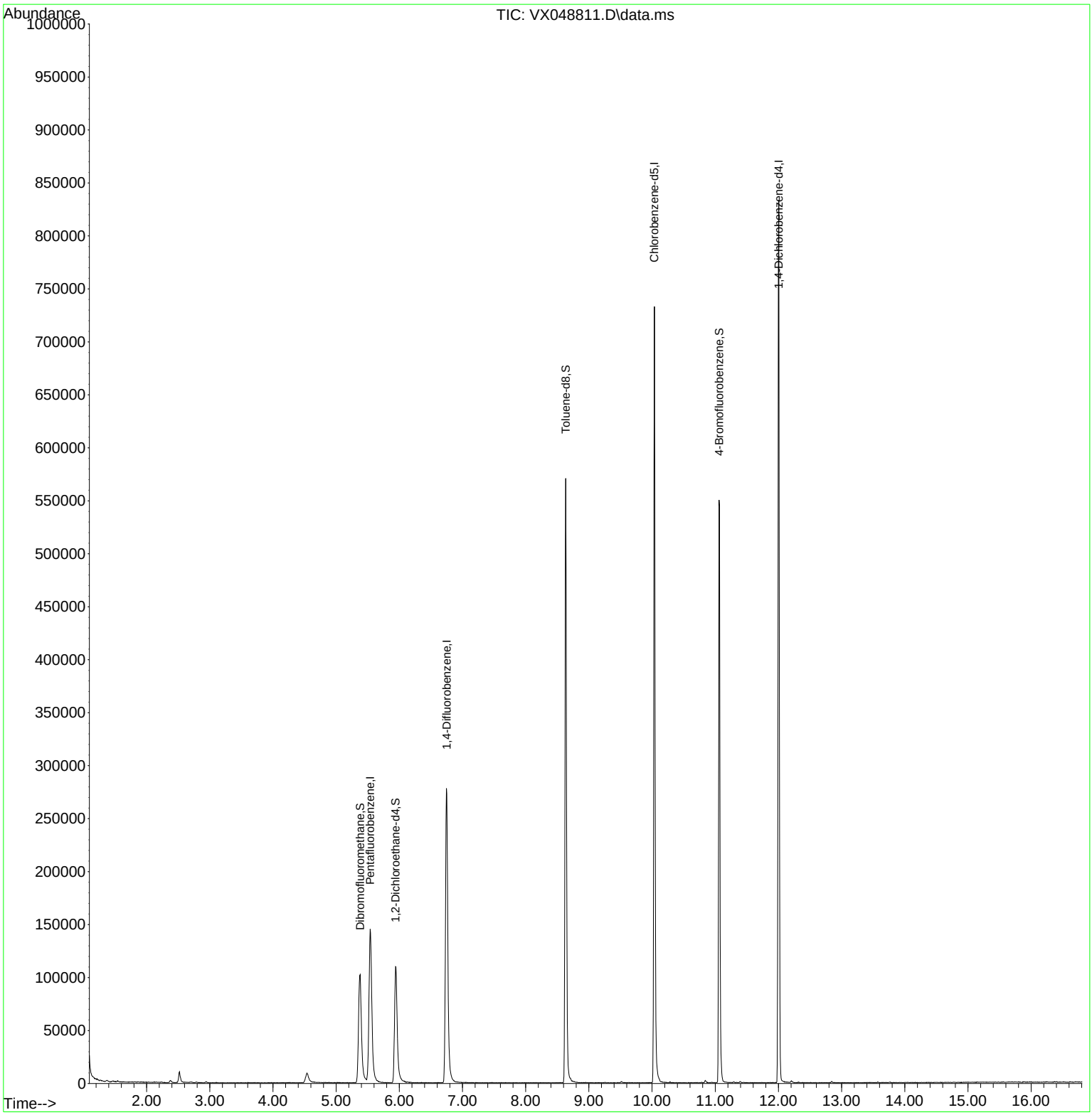
Target Compounds Qvalue

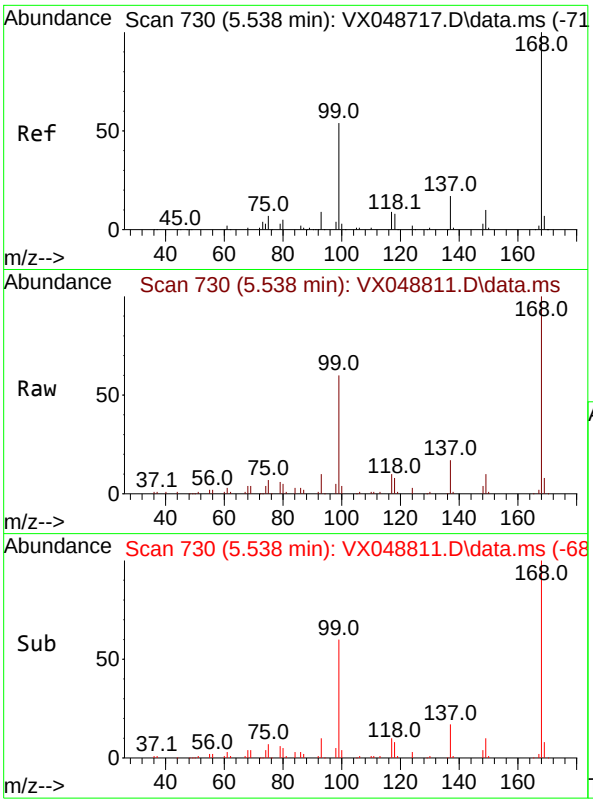
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048811.D
Acq On : 10 Dec 2025 15:11
Operator : JC/MD
Sample : Q3787-17RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425-FDRE

Quant Time: Dec 11 00:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



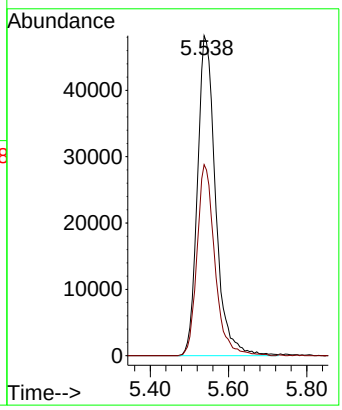


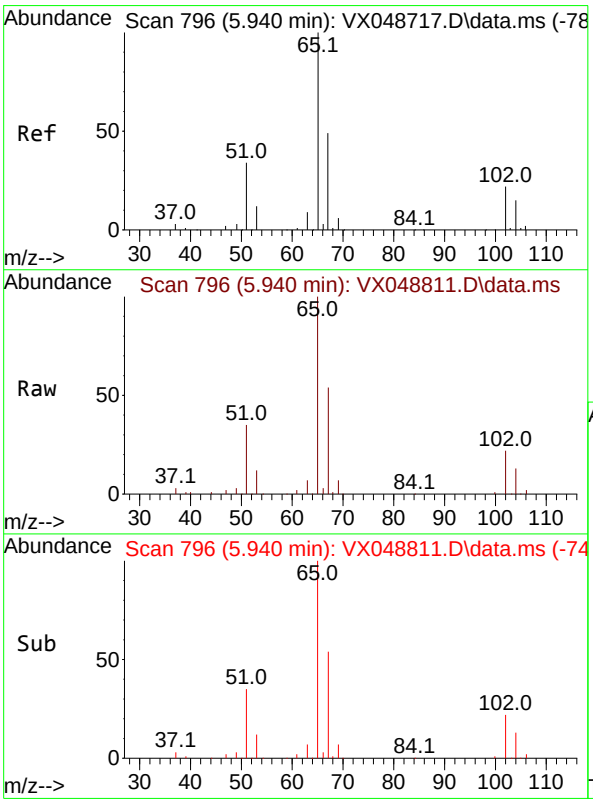
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048811.D
Acq: 10 Dec 2025 15:11

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425-FDRE

Tgt Ion:168 Resp: 154804

Ion	Ratio	Lower	Upper
168	100		
99	59.7	44.2	66.4

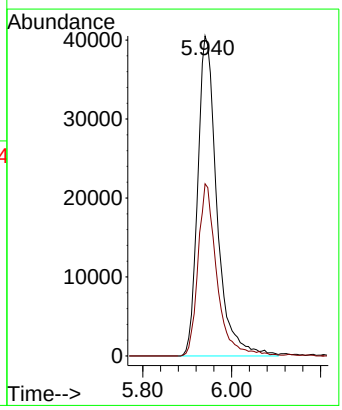


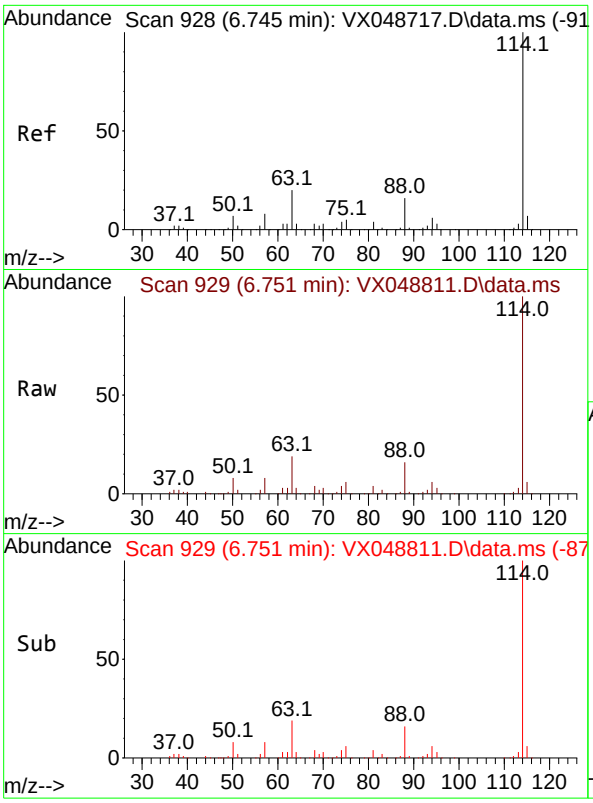


#33
1,2-Dichloroethane-d4
Concen: 58.566 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048811.D
Acq: 10 Dec 2025 15:11

Tgt Ion: 65 Resp: 121686

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	107.4



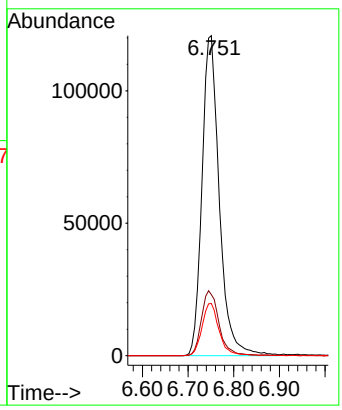


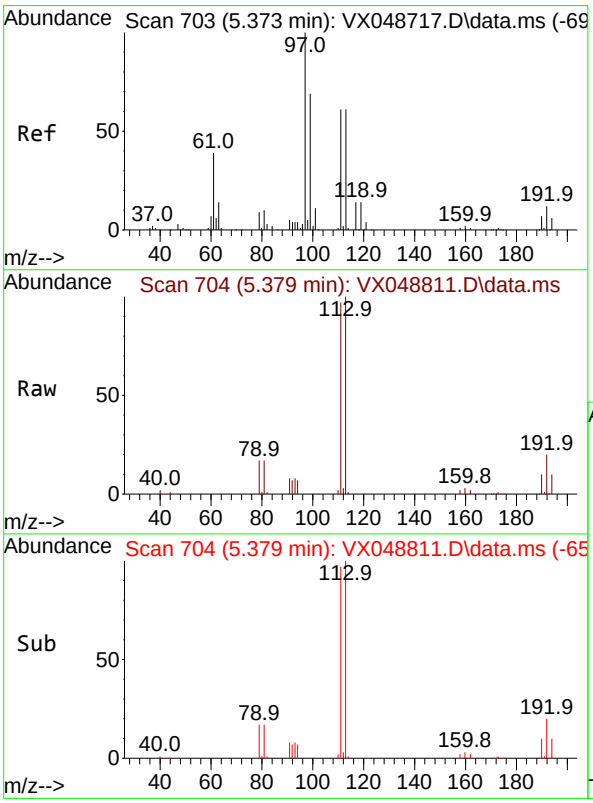
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX048811.D
Acq: 10 Dec 2025 15:11

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425-FDRE

Tgt Ion:114 Resp: 318388

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.0
88	16.3	0.0	31.8

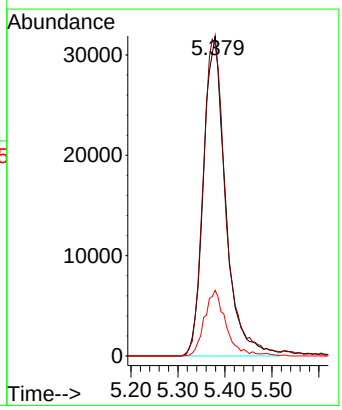


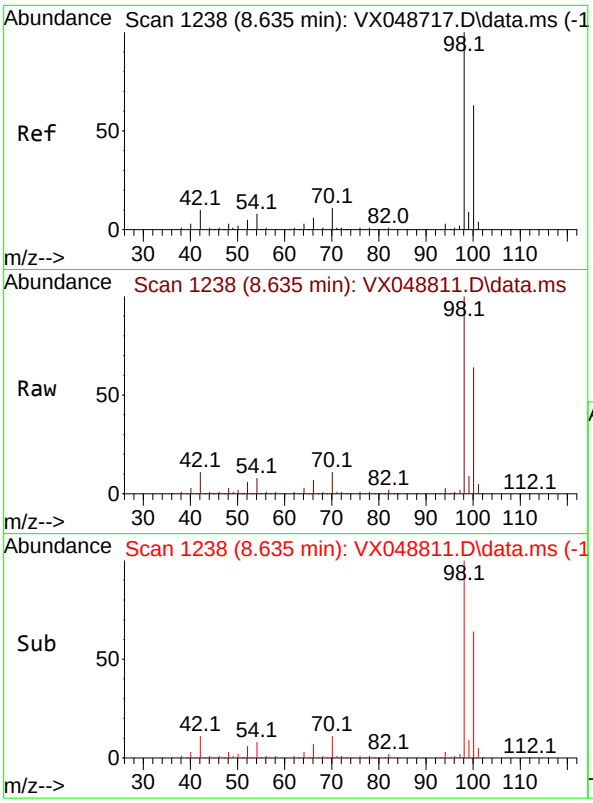


#35
Dibromofluoromethane
Concen: 47.447 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048811.D
Acq: 10 Dec 2025 15:11

Tgt Ion:113 Resp: 104014

Ion	Ratio	Lower	Upper
113	100		
111	101.8	79.5	119.3
192	19.8	16.1	24.1



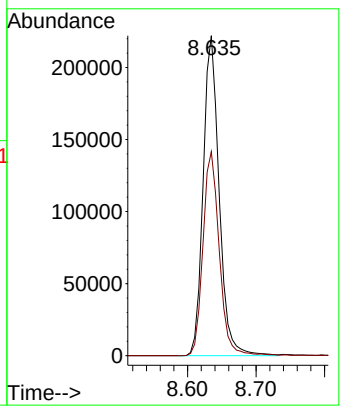


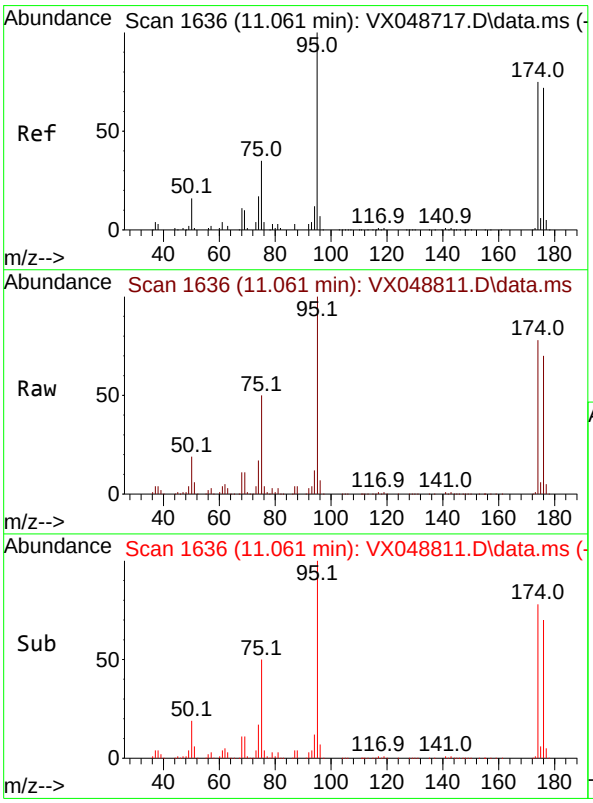
#50
Toluene-d8
Concen: 47.035 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048811.D
Acq: 10 Dec 2025 15:11

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425-FDRE

Tgt Ion: 98 Resp: 361441

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.4	80.0

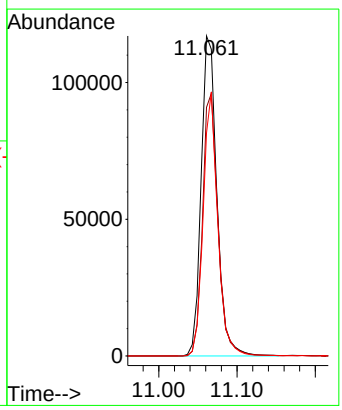




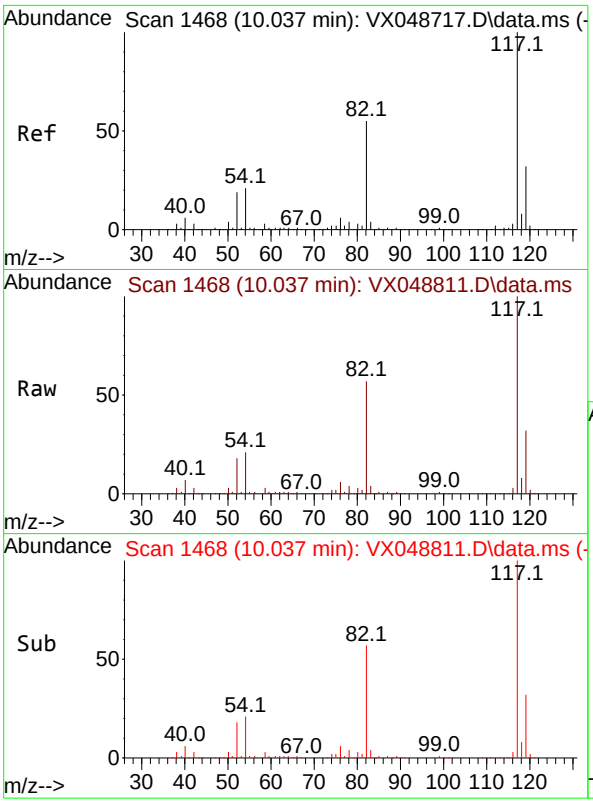
#62
4-Bromofluorobenzene
Concen: 61.416 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048811.D
Acq: 10 Dec 2025 15:11

Tgt Ion: 95 Resp: 162743

Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	157.8
176	76.9	0.0	154.0



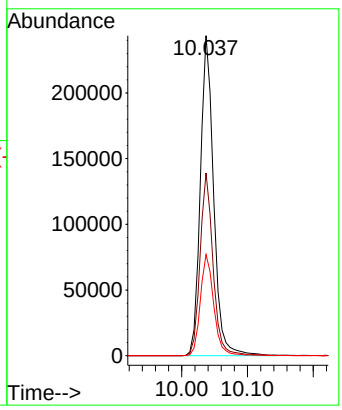
Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-120425-FDRE

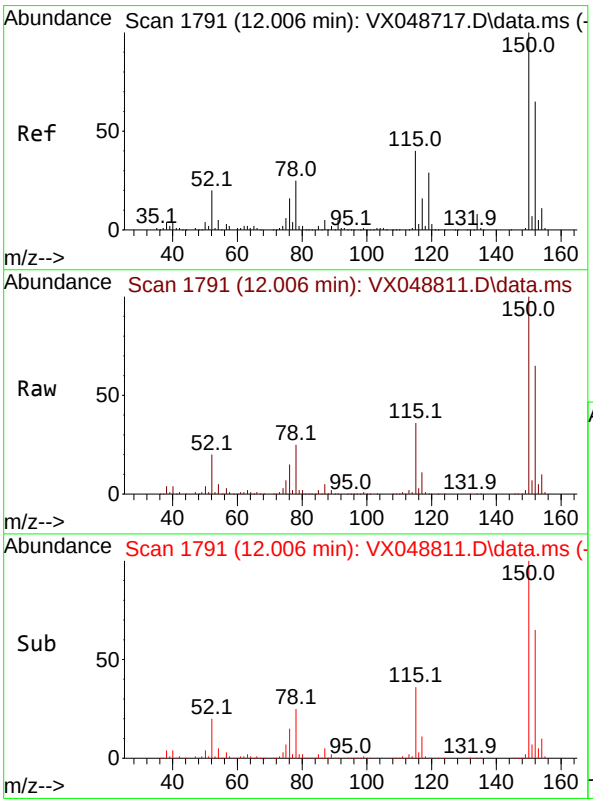


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048811.D
Acq: 10 Dec 2025 15:11

Tgt Ion:117 Resp: 343017

Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.1	66.1
119	31.6	25.2	37.8

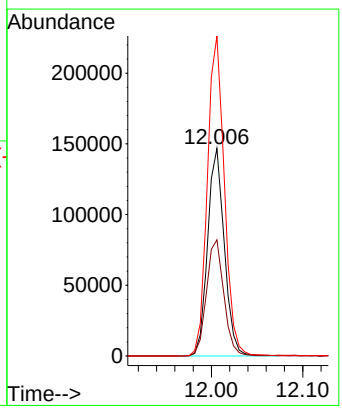




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048811.D
Acq: 10 Dec 2025 15:11

Tgt Ion:152 Resp: 186375

Ion	Ratio	Lower	Upper
152	100		
115	58.0	42.1	126.4
150	156.6	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048812.D
Acq On : 10 Dec 2025 15:32
Operator : JC/MD
Sample : Q3787-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

Quant Time: Dec 11 00:24:39 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

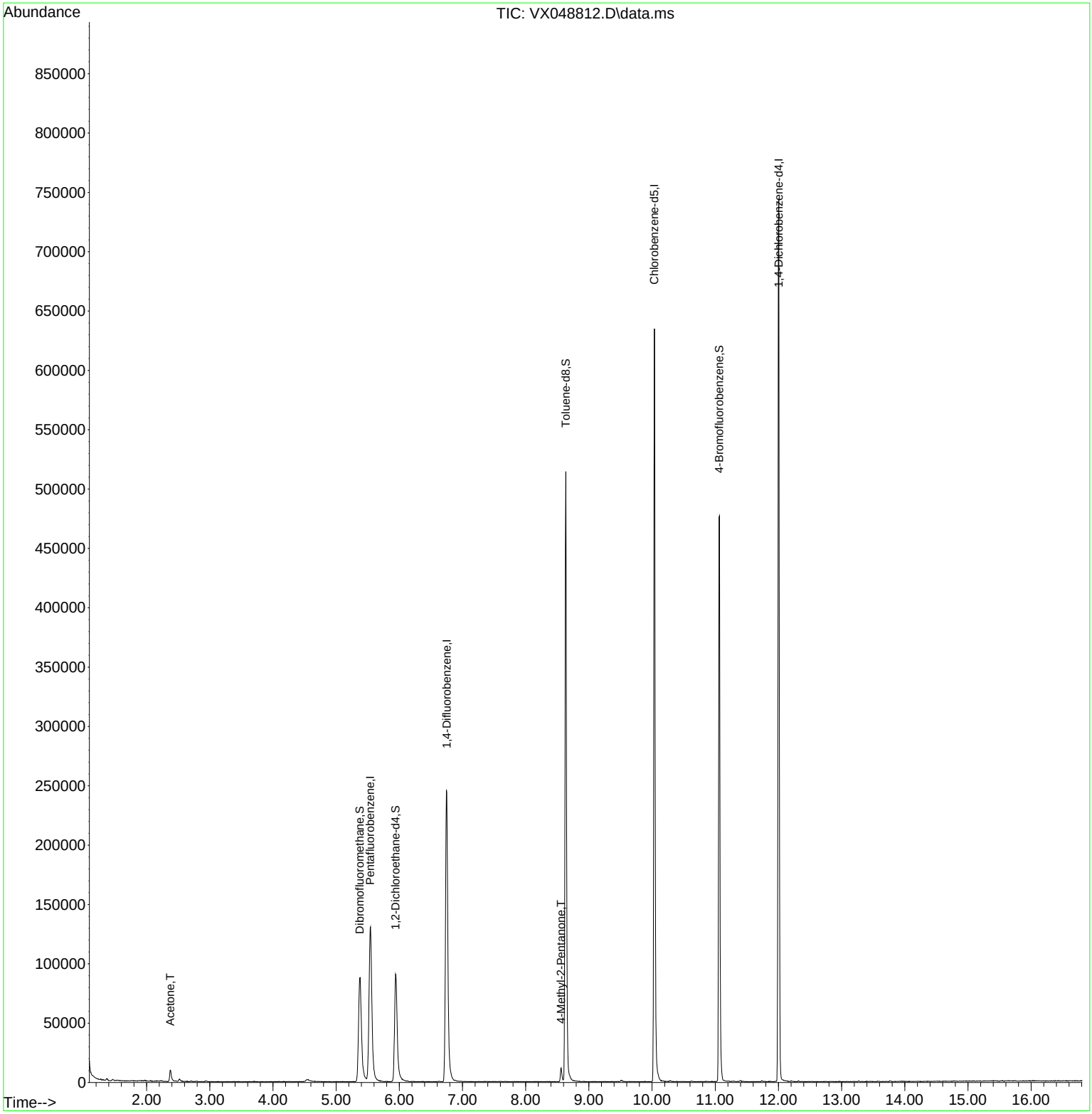
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	138008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	284336	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	306079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	165546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	99469	53.700	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.400%			
35) Dibromofluoromethane	5.373	113	92123	47.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.120%			
50) Toluene-d8	8.635	98	321012	46.777	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.560%			
62) 4-Bromofluorobenzene	11.061	95	143570	60.669	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.340%			
Target Compounds						Qvalue
16) Acetone	2.374	43	13881	19.575	ug/l	95
51) 4-Methyl-2-Pentanone	8.562	43	8113	2.694	ug/l	95

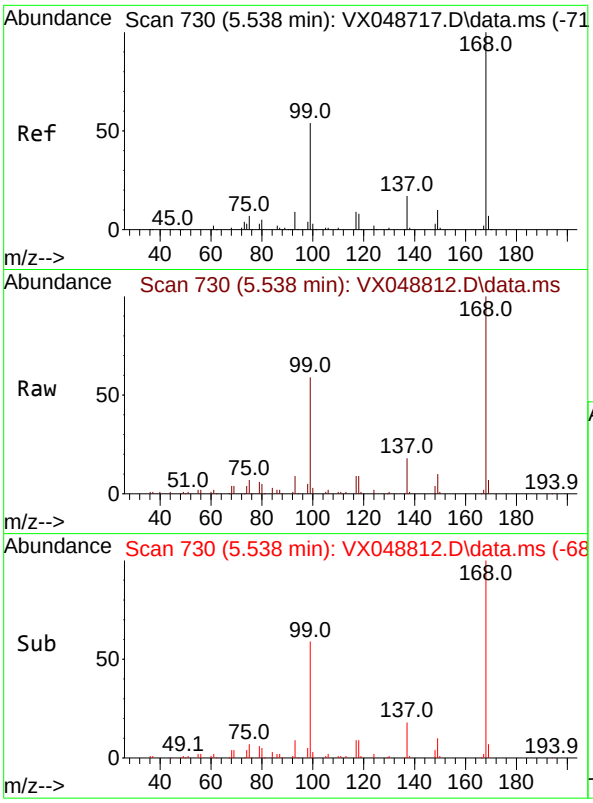
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048812.D
Acq On : 10 Dec 2025 15:32
Operator : JC/MD
Sample : Q3787-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

Quant Time: Dec 11 00:24:39 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



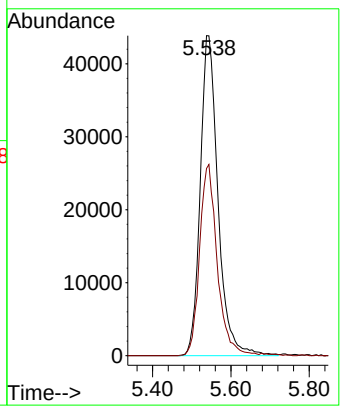


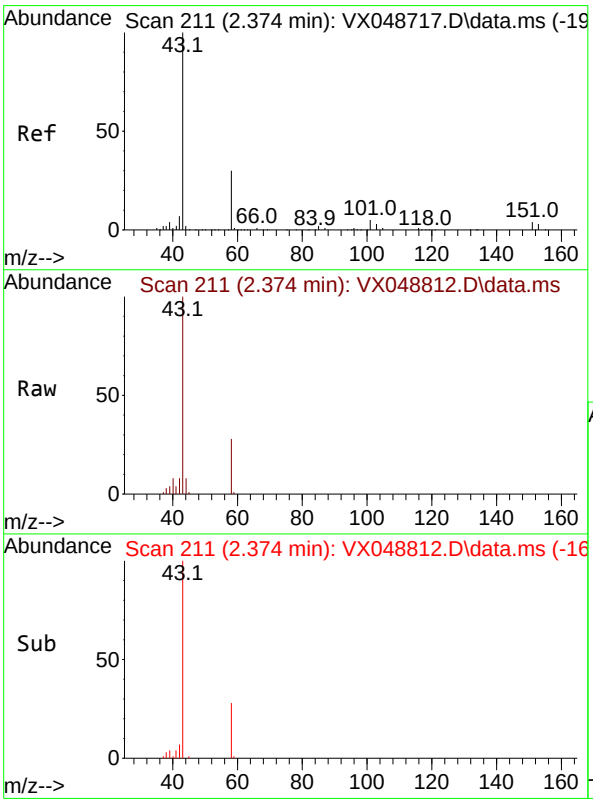
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion:168 Resp: 138008

Ion	Ratio	Lower	Upper
168	100		
99	58.5	44.2	66.4

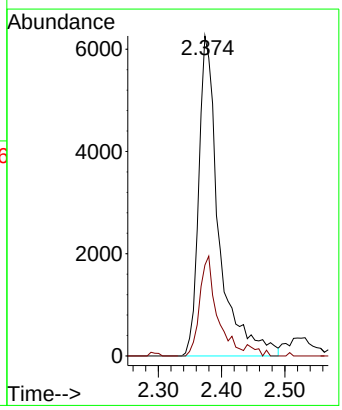


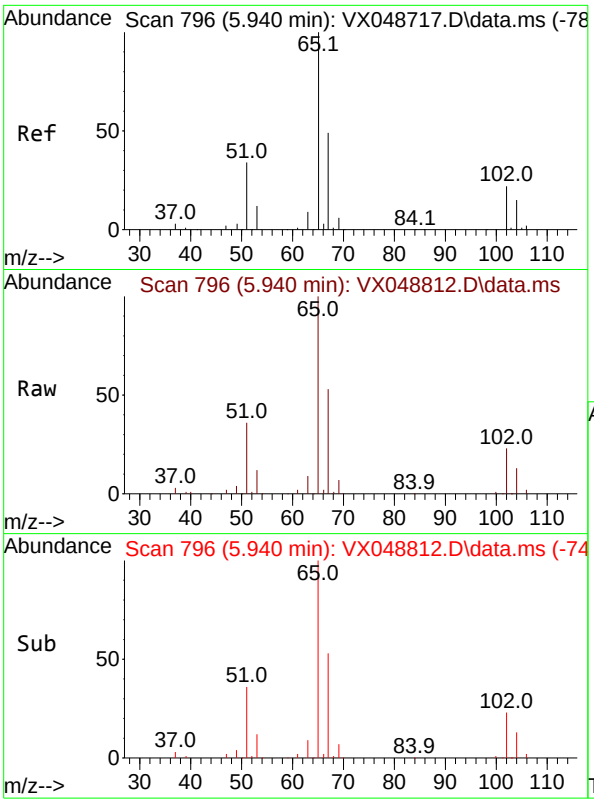


#16
Acetone
Concen: 19.575 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion: 43 Resp: 13881

Ion	Ratio	Lower	Upper
43	100		
58	28.4	25.0	37.4



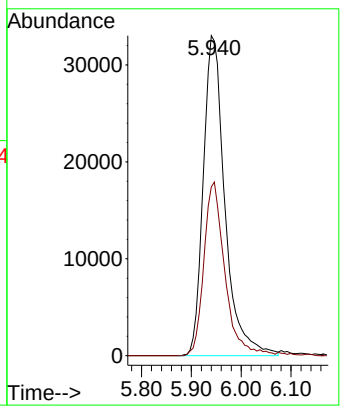


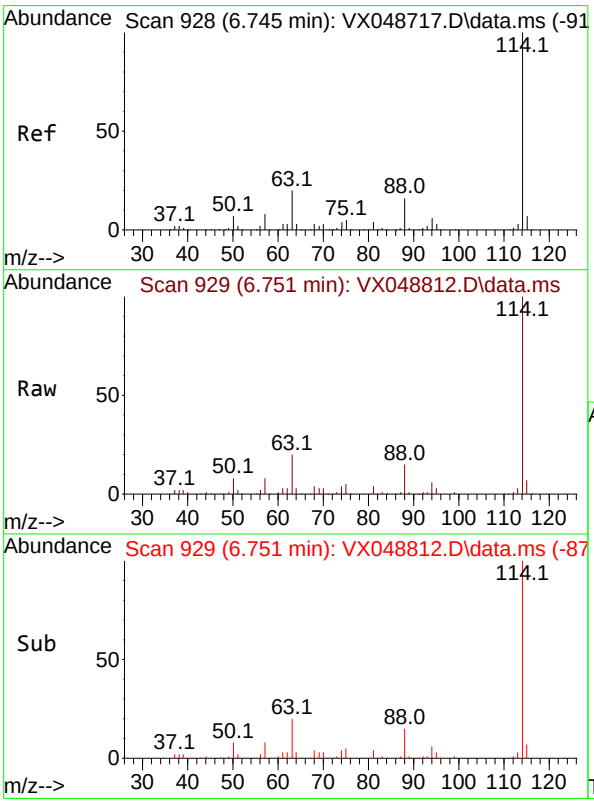
#33
1,2-Dichloroethane-d4
Concen: 53.700 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion: 65 Resp: 99469

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	107.4

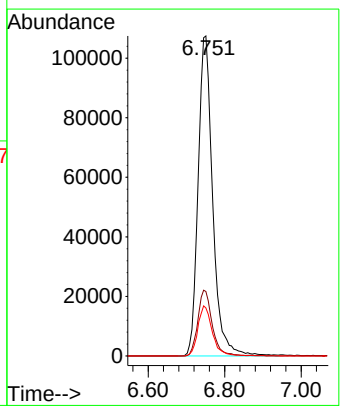


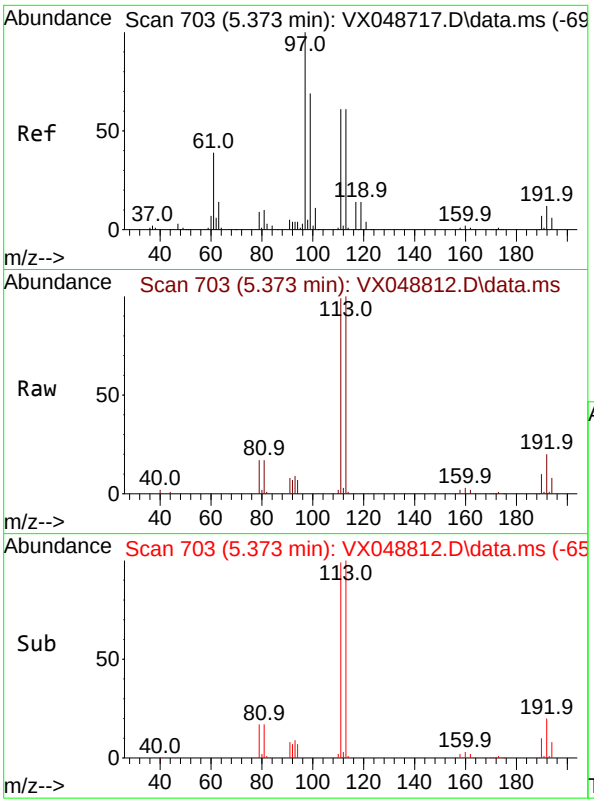


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion:114 Resp: 284336

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.0
88	15.0	0.0	31.8



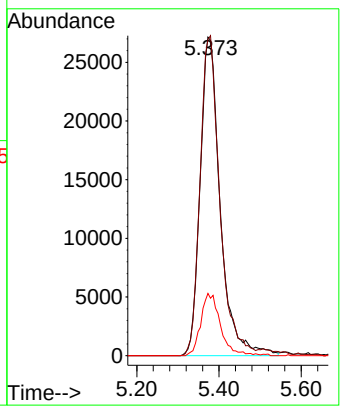


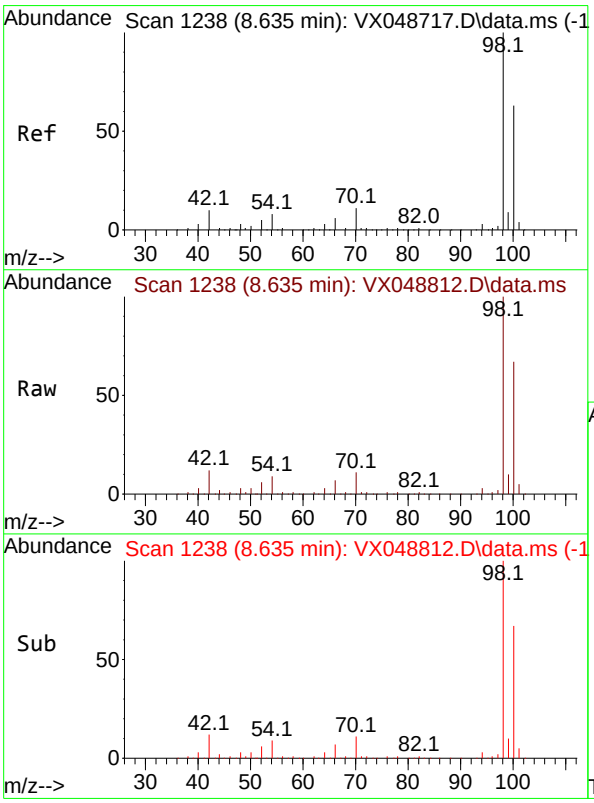
#35
Dibromofluoromethane
Concen: 47.055 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion:113 Resp: 92123

Ion	Ratio	Lower	Upper
113	100		
111	98.3	79.5	119.3
192	19.1	16.1	24.1

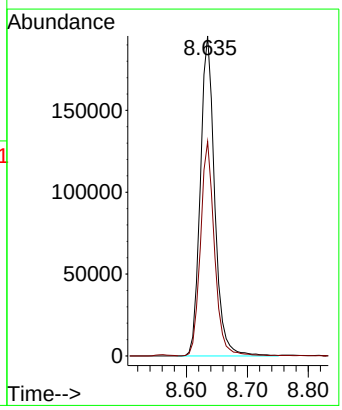


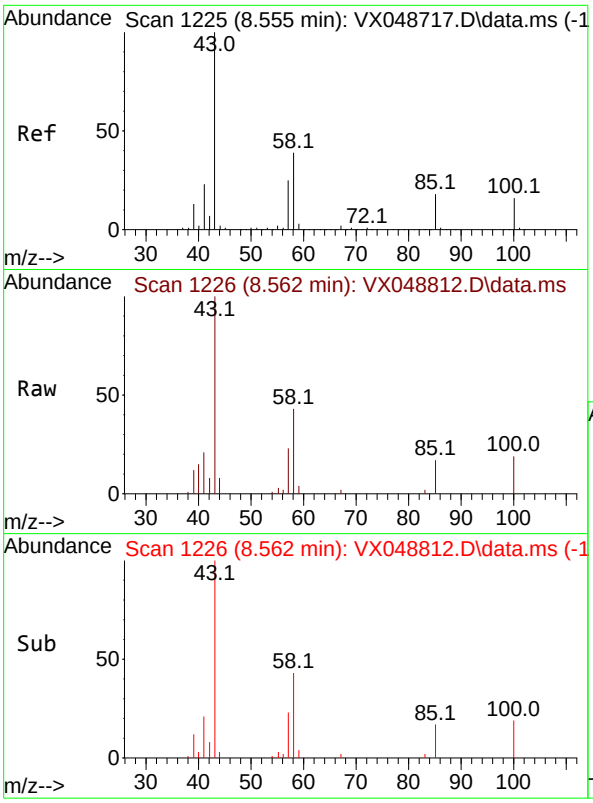


#50
Toluene-d8
Concen: 46.777 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion: 98 Resp: 321012

Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.4	80.0



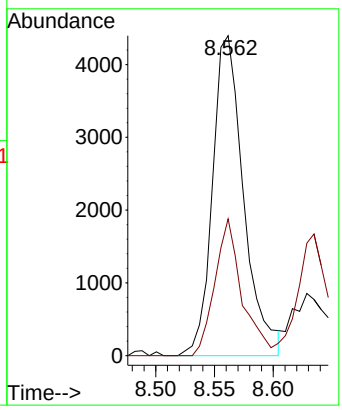


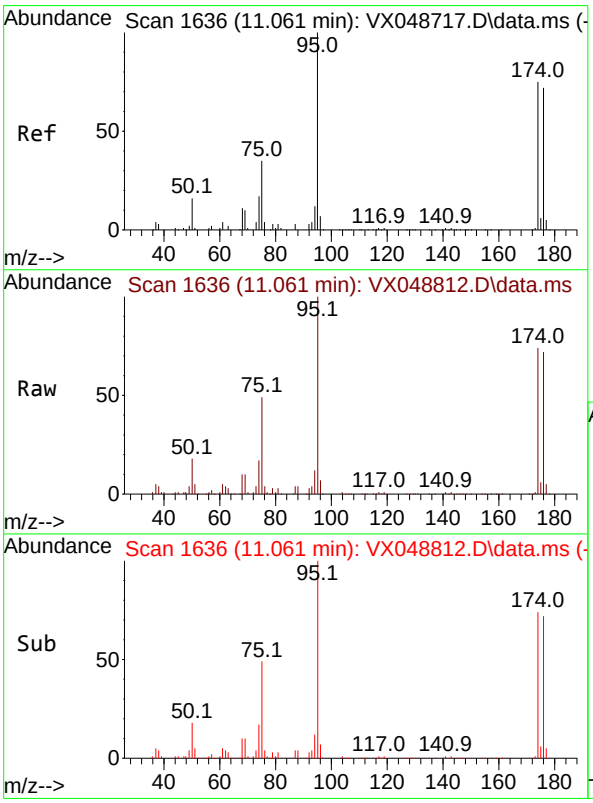
#51
4-Methyl-2-Pentanone
Concen: 2.694 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion: 43 Resp: 8113

Ion	Ratio	Lower	Upper
43	100		
58	37.2	32.2	48.4

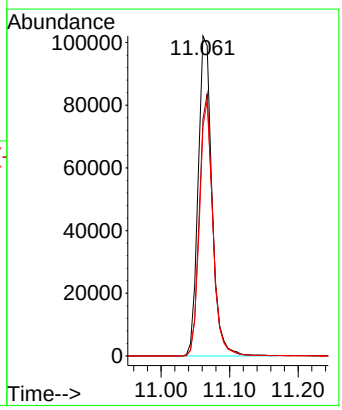


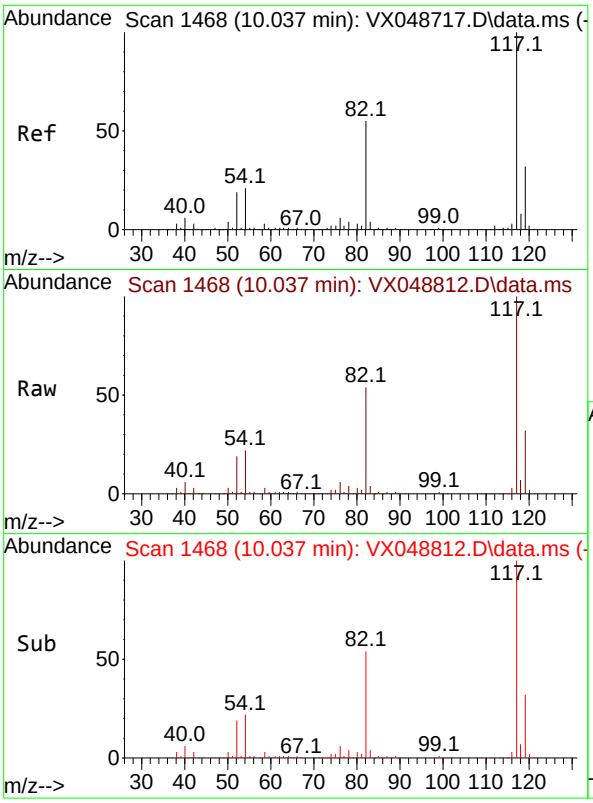


#62
4-Bromofluorobenzene
Concen: 60.669 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion: 95 Resp: 143570

Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	157.8
176	77.2	0.0	154.0



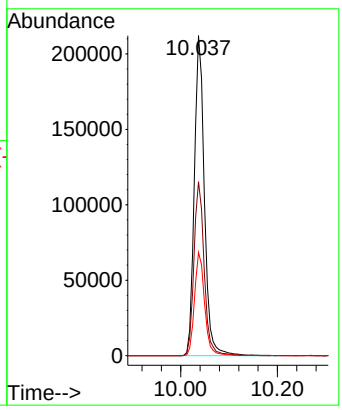


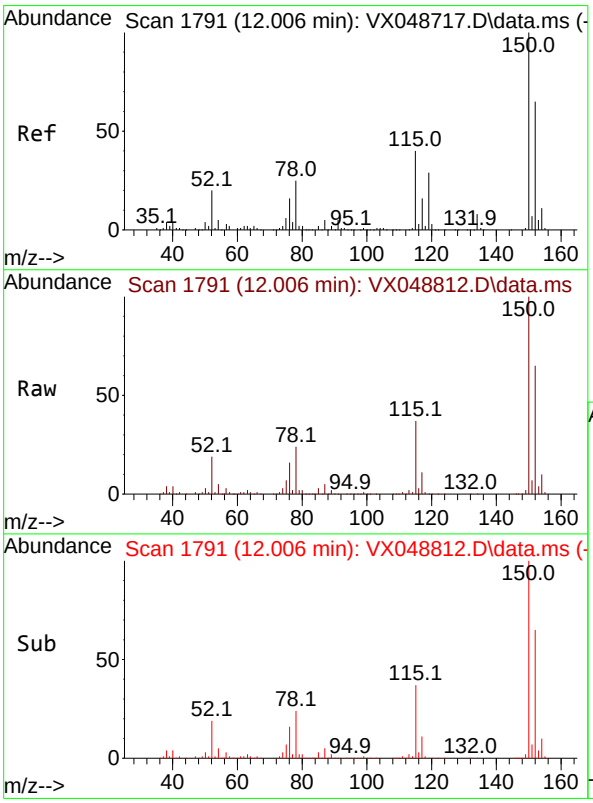
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion:117 Resp: 306079

Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.1	66.1
119	32.2	25.2	37.8

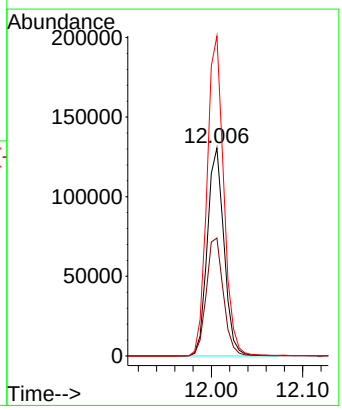




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion:152 Resp: 165546

Ion	Ratio	Lower	Upper
152	100		
115	58.5	42.1	126.4
150	154.2	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048813.D
Acq On : 10 Dec 2025 15:53
Operator : JC/MD
Sample : Q3787-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-120425

Quant Time: Dec 11 00:25:34 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	137750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	283821	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	308054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	167960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	103127	55.779	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.560%			
35) Dibromofluoromethane	5.379	113	91196	46.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.340%			
50) Toluene-d8	8.635	98	316230	46.164	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.320%			
62) 4-Bromofluorobenzene	11.061	95	139733	59.155	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.320%			

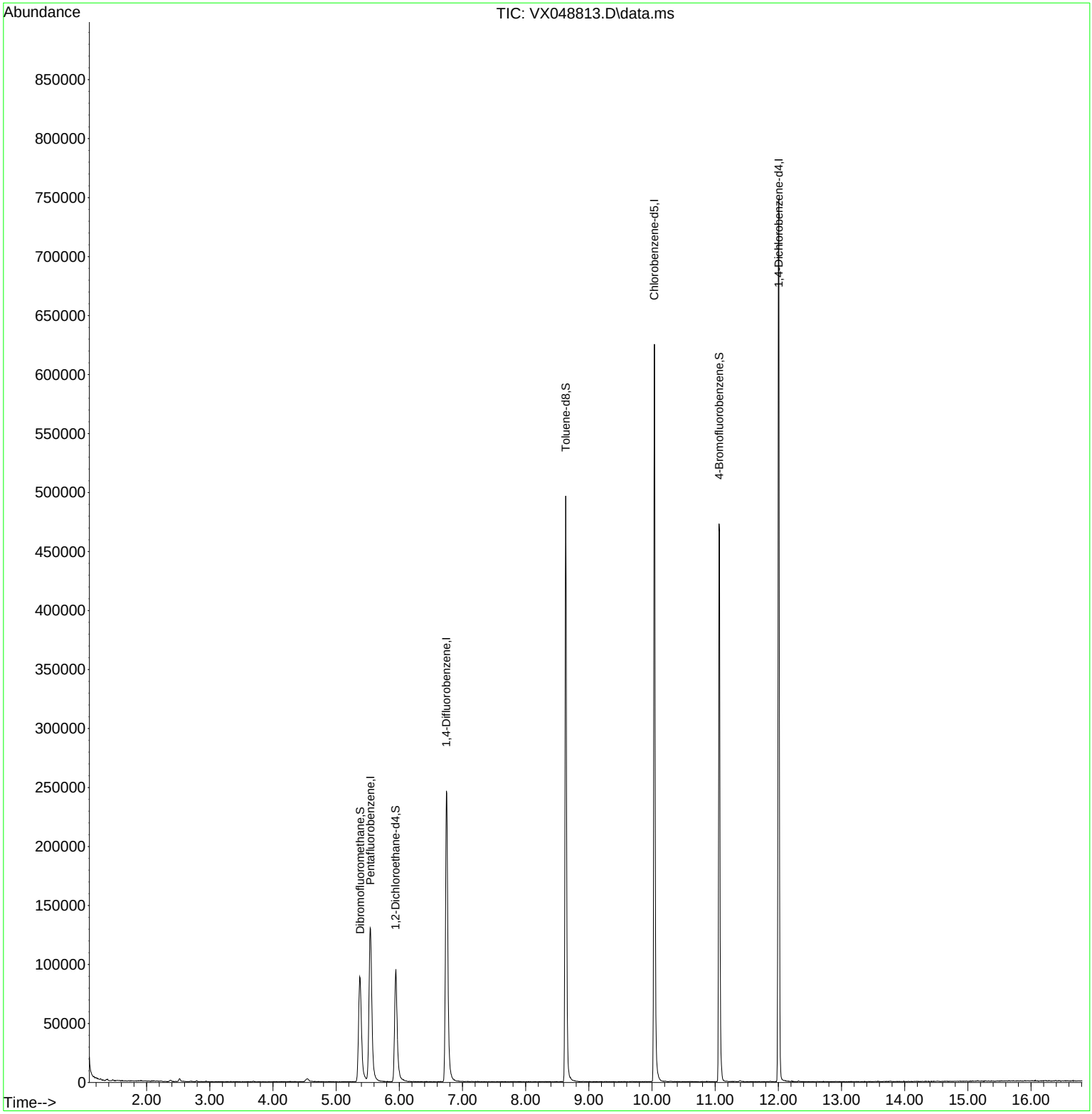
Target Compounds Qvalue

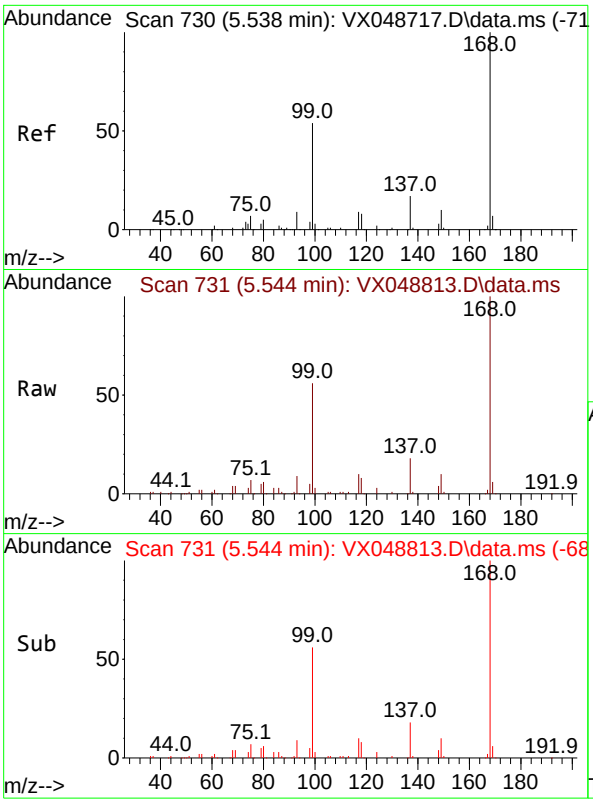
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048813.D
Acq On : 10 Dec 2025 15:53
Operator : JC/MD
Sample : Q3787-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-120425

Quant Time: Dec 11 00:25:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



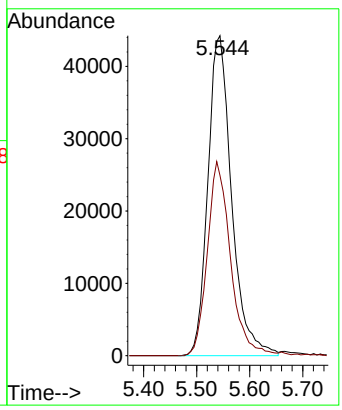


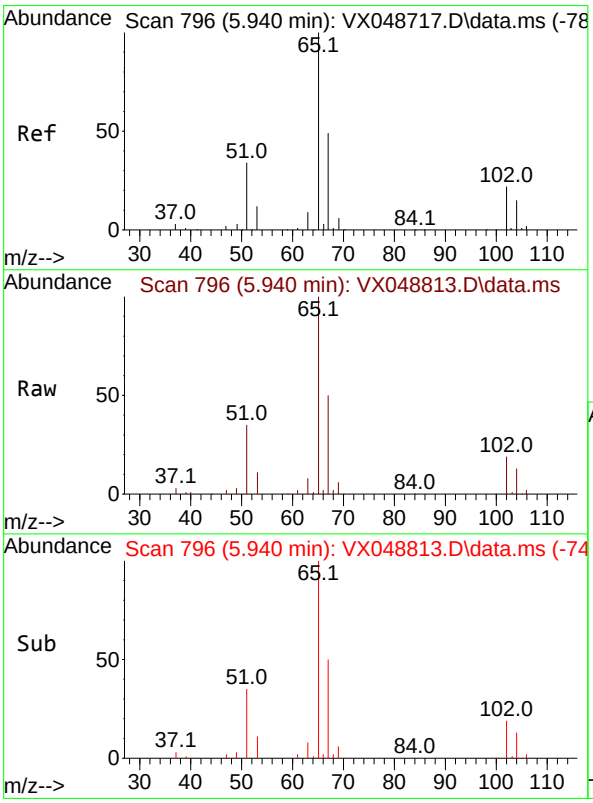
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048813.D
Acq: 10 Dec 2025 15:53

Instrument :
MSVOA_X
ClientSampleId :
TB01-120425

Tgt Ion:168 Resp: 137750

Ion	Ratio	Lower	Upper
168	100		
99	56.3	44.2	66.4

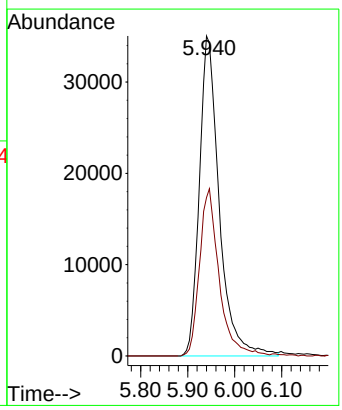


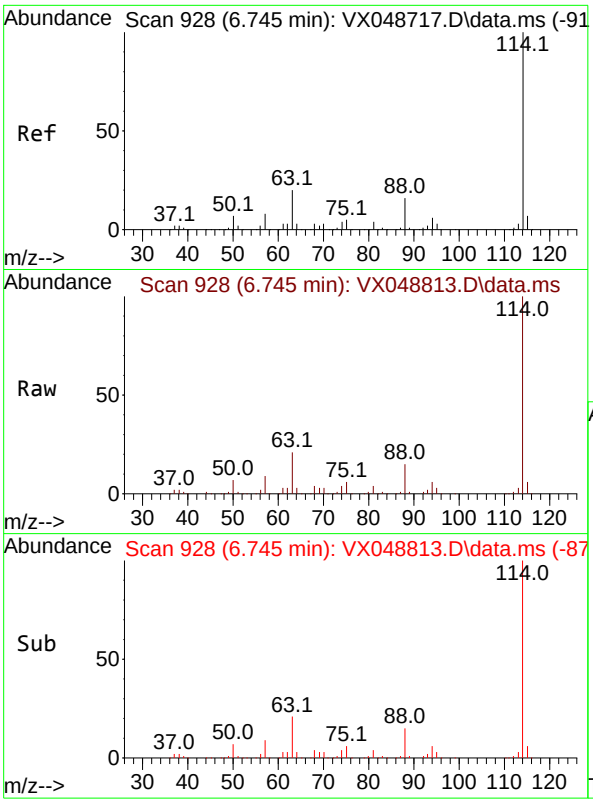


#33
1,2-Dichloroethane-d4
Concen: 55.779 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048813.D
Acq: 10 Dec 2025 15:53

Tgt Ion: 65 Resp: 103127

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	107.4



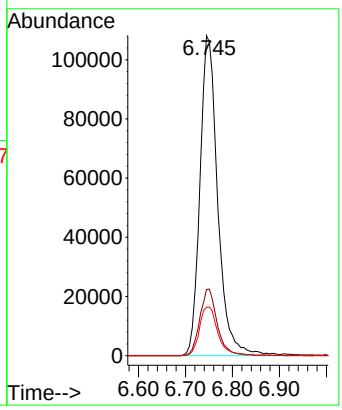


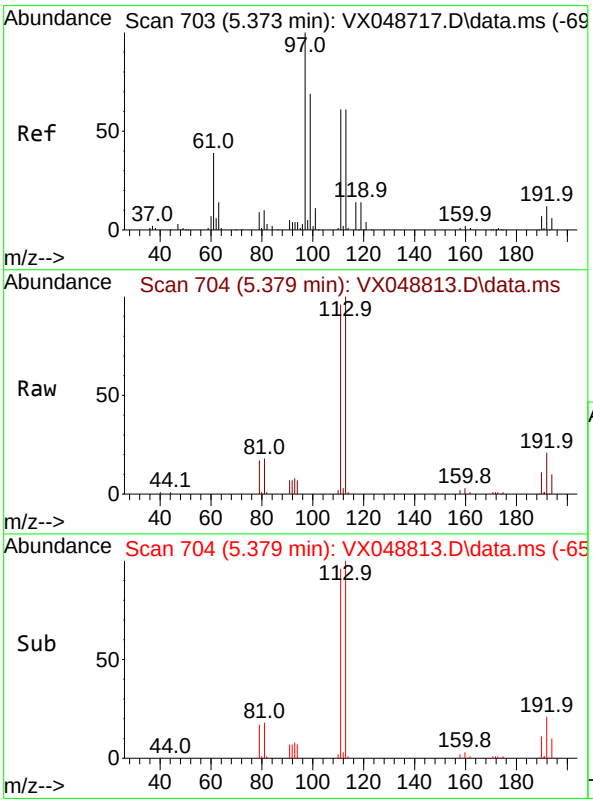
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX048813.D
Acq: 10 Dec 2025 15:53

Instrument :
MSVOA_X
ClientSampleId :
TB01-120425

Tgt Ion:114 Resp: 283821

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	39.0
88	15.1	0.0	31.8

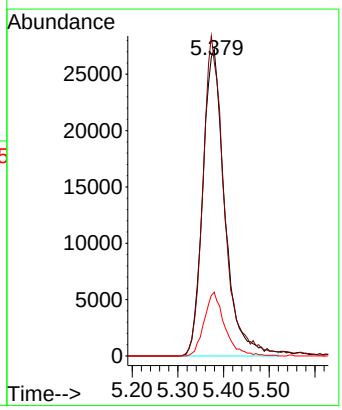


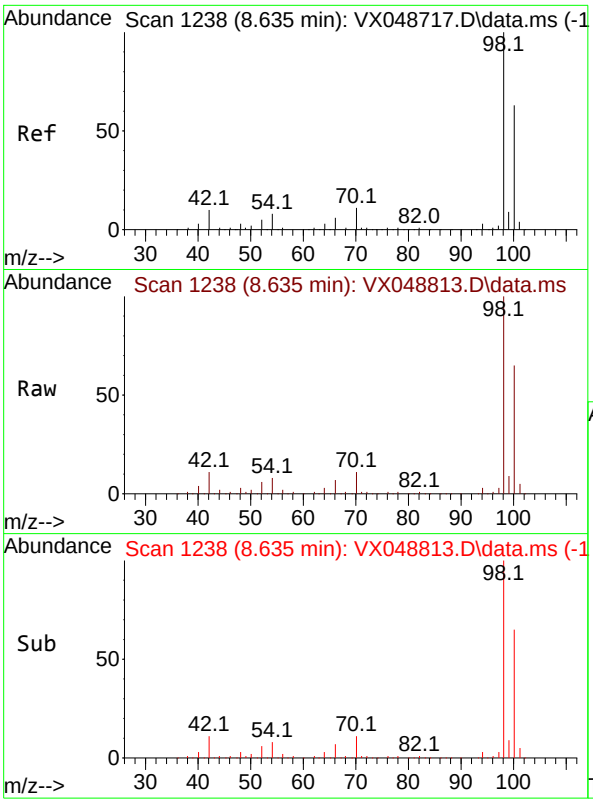


#35
Dibromofluoromethane
Concen: 46.666 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048813.D
Acq: 10 Dec 2025 15:53

Tgt Ion:113 Resp: 91196

Ion	Ratio	Lower	Upper
113	100		
111	100.9	79.5	119.3
192	19.4	16.1	24.1



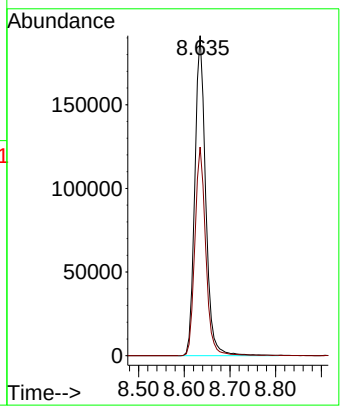


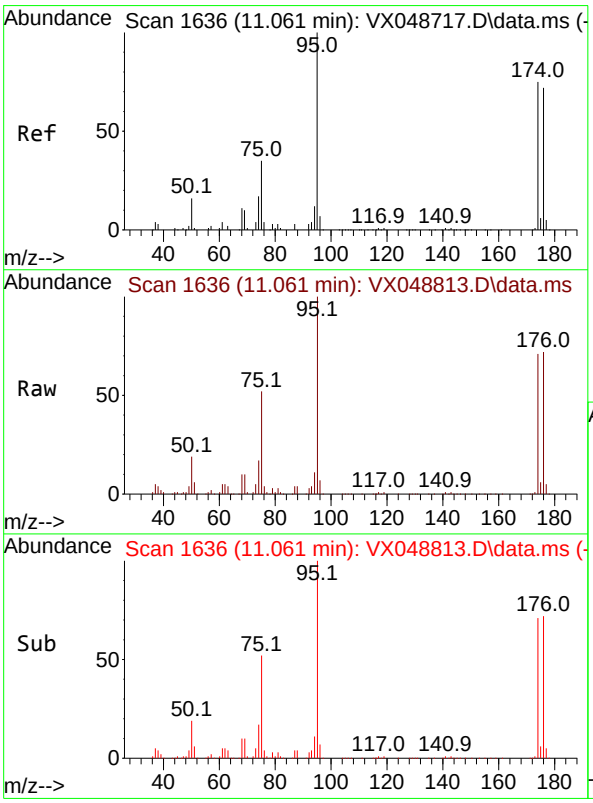
#50
Toluene-d8
Concen: 46.164 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048813.D
Acq: 10 Dec 2025 15:53

Instrument :
MSVOA_X
ClientSampleId :
TB01-120425

Tgt Ion: 98 Resp: 316230

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.4	80.0

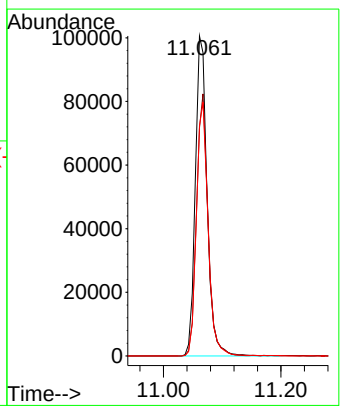


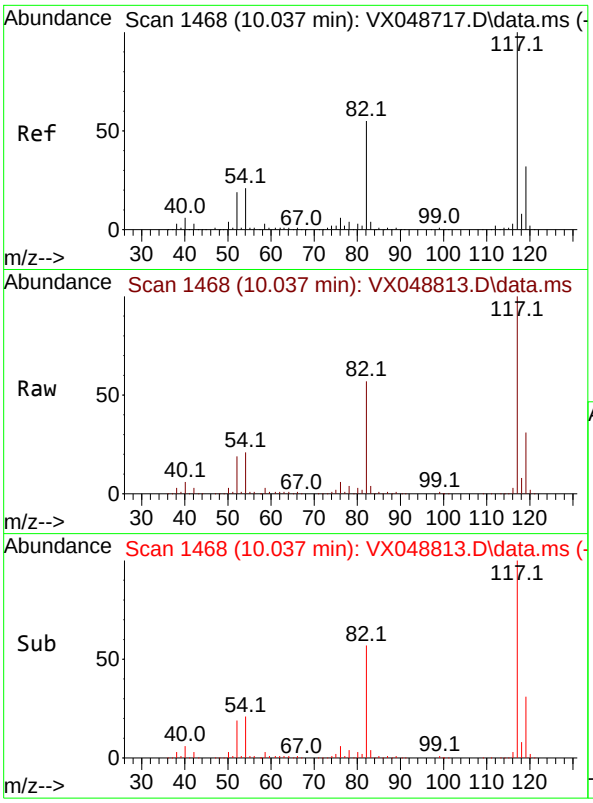


#62
4-Bromofluorobenzene
Concen: 59.155 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048813.D
Acq: 10 Dec 2025 15:53

Tgt Ion: 95 Resp: 139733

Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	157.8
176	79.0	0.0	154.0



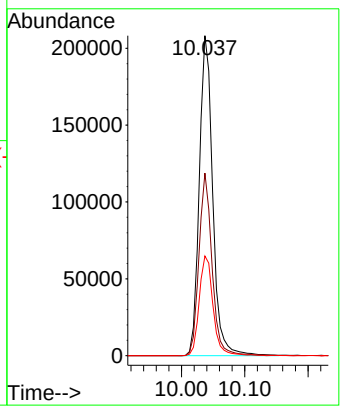


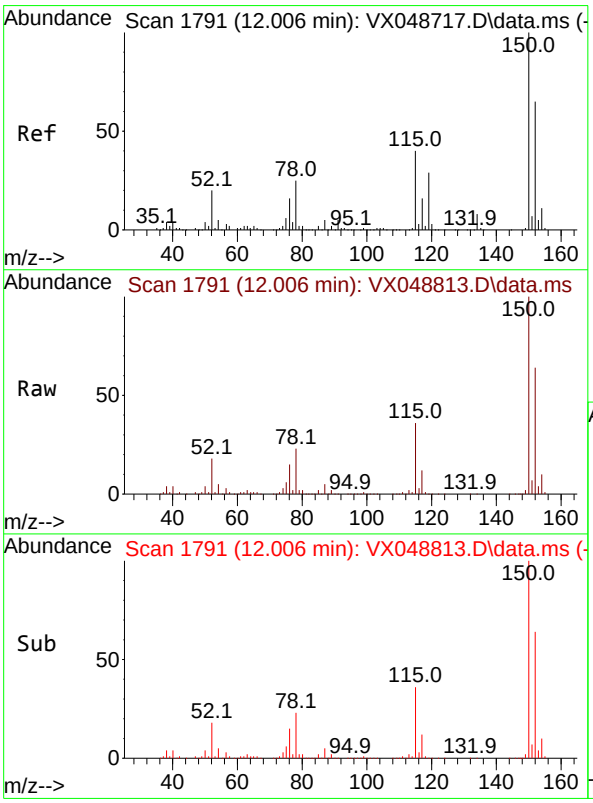
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048813.D
Acq: 10 Dec 2025 15:53

Instrument :
MSVOA_X
ClientSampleId :
TB01-120425

Tgt Ion:117 Resp: 308054

Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.1	66.1
119	31.1	25.2	37.8

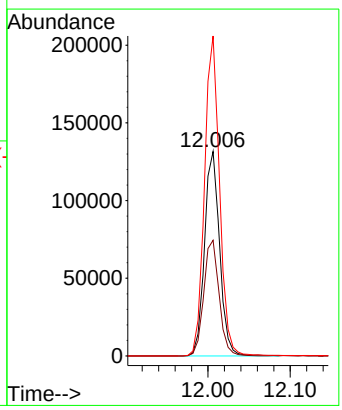




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048813.D
Acq: 10 Dec 2025 15:53

Tgt Ion:152 Resp: 167960

Ion	Ratio	Lower	Upper
152	100		
115	57.5	42.1	126.4
150	155.8	0.0	347.8



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

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

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

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

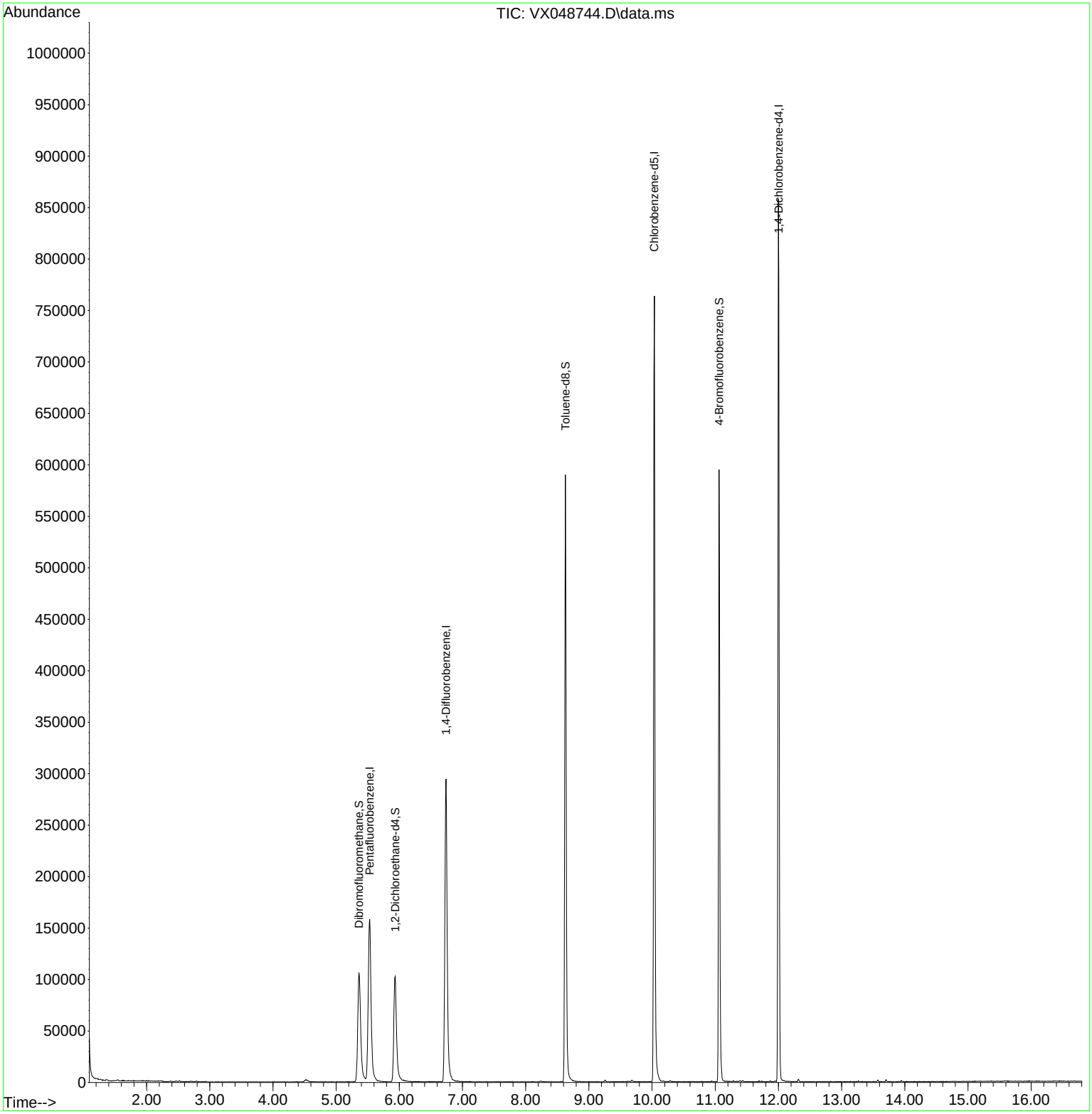
Target Compounds Qvalue

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

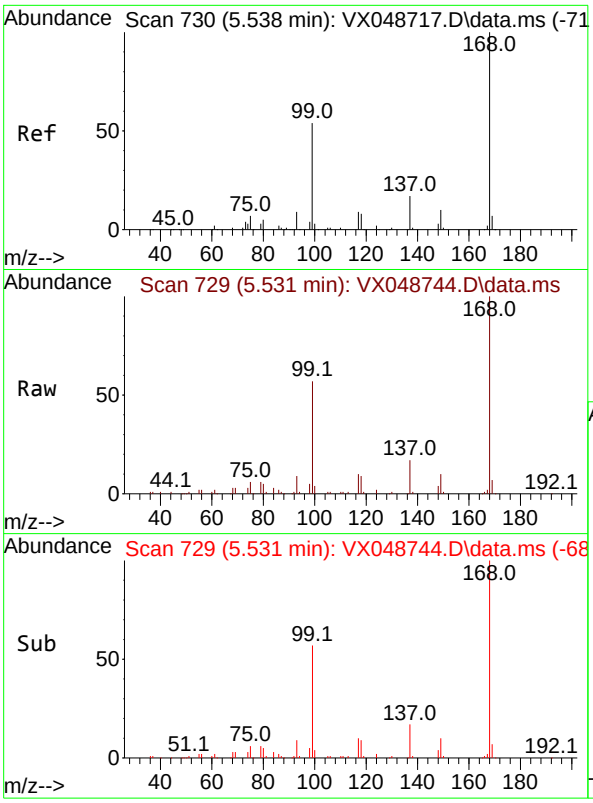
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048744.D
Acq On : 08 Dec 2025 11:15
Operator : JC/MD
Sample : VX1208WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

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



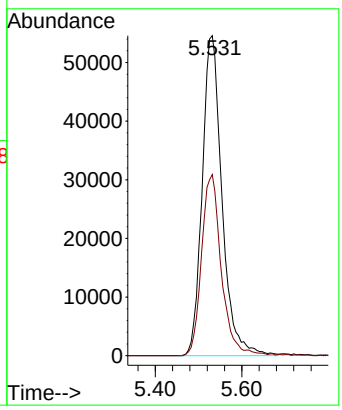
Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

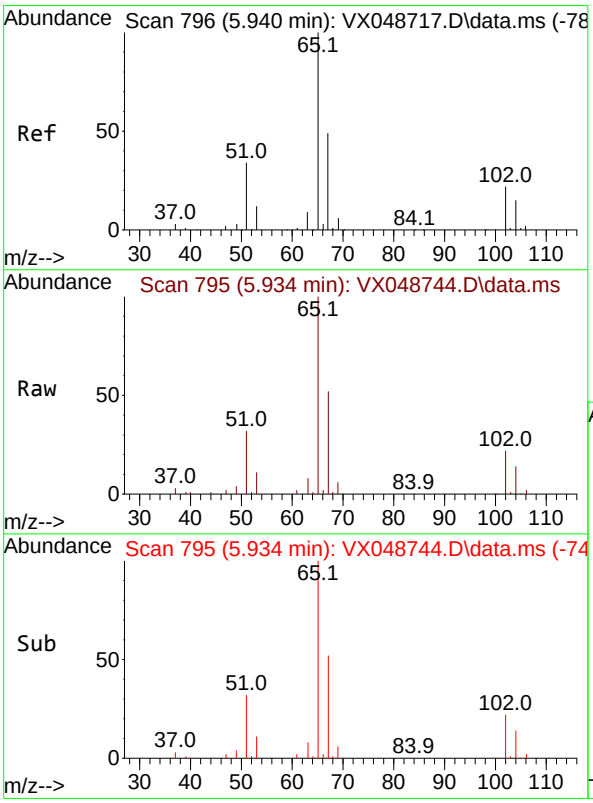


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion:168 Resp: 173343

Ion	Ratio	Lower	Upper
168	100		
99	56.6	44.2	66.4

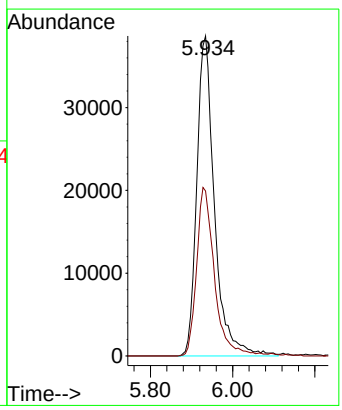




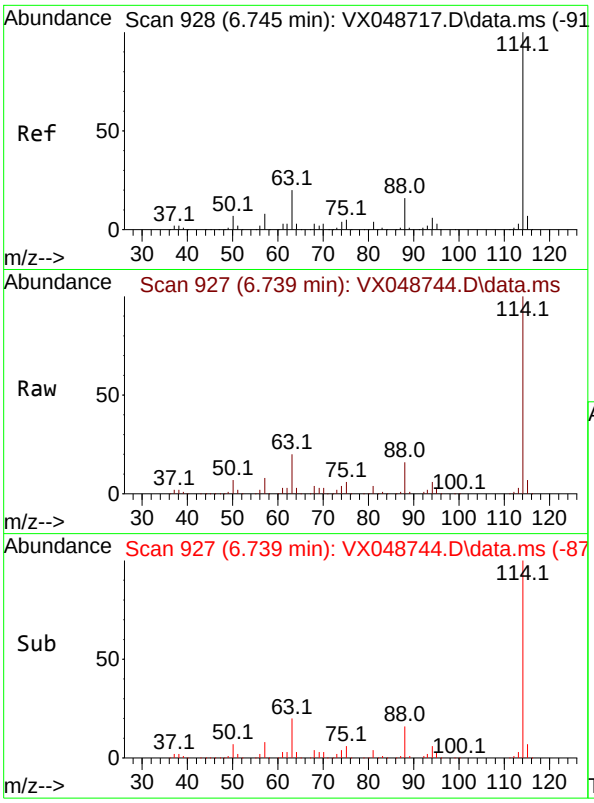
#33
1,2-Dichloroethane-d4
Concen: 49.507 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion: 65 Resp: 115181

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.4



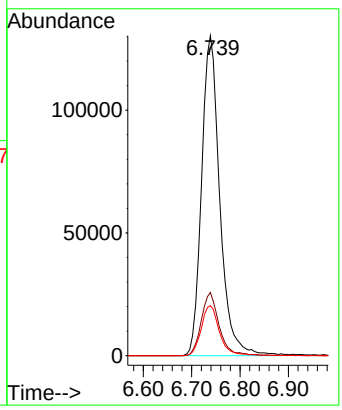
Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

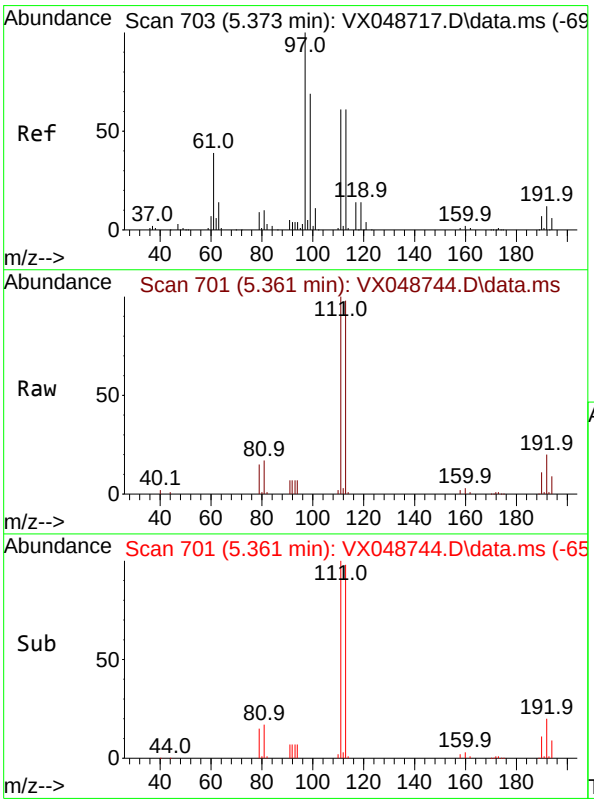


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion:114 Resp: 340953

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

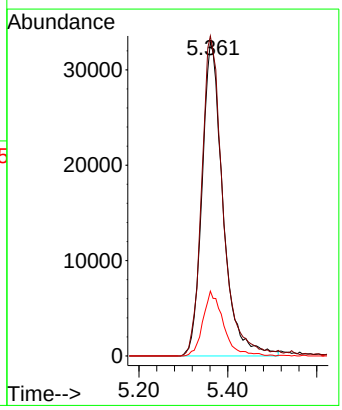


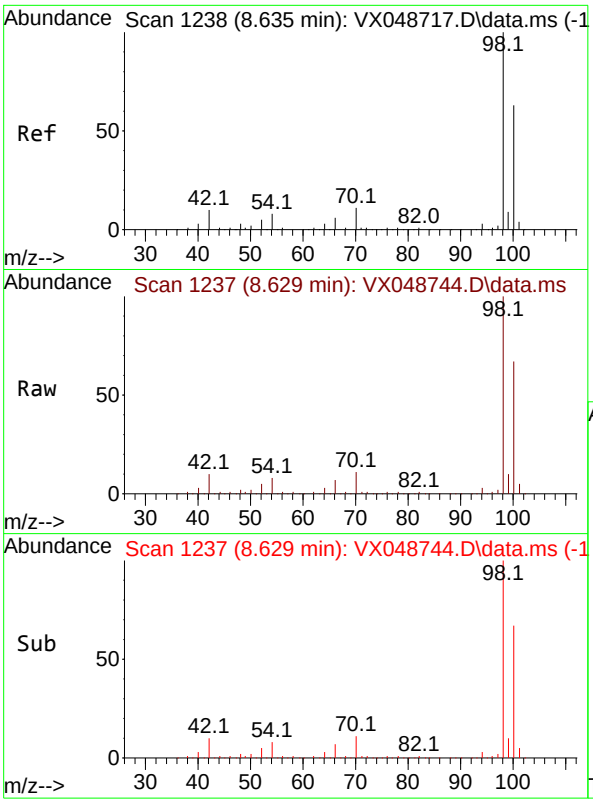


#35
Dibromofluoromethane
Concen: 46.001 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion:113 Resp: 107991

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



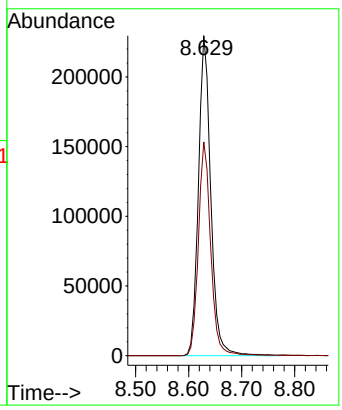


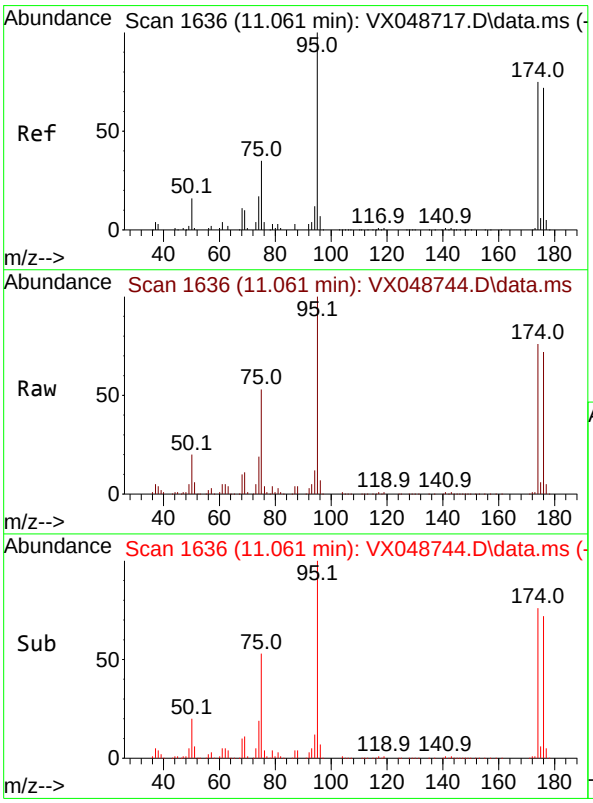
#50
Toluene-d8
Concen: 45.222 ug/l
RT: 8.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

Tgt Ion: 98 Resp: 372131

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0

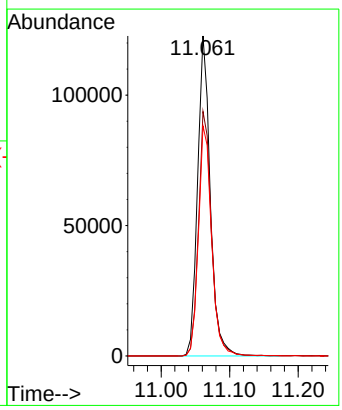


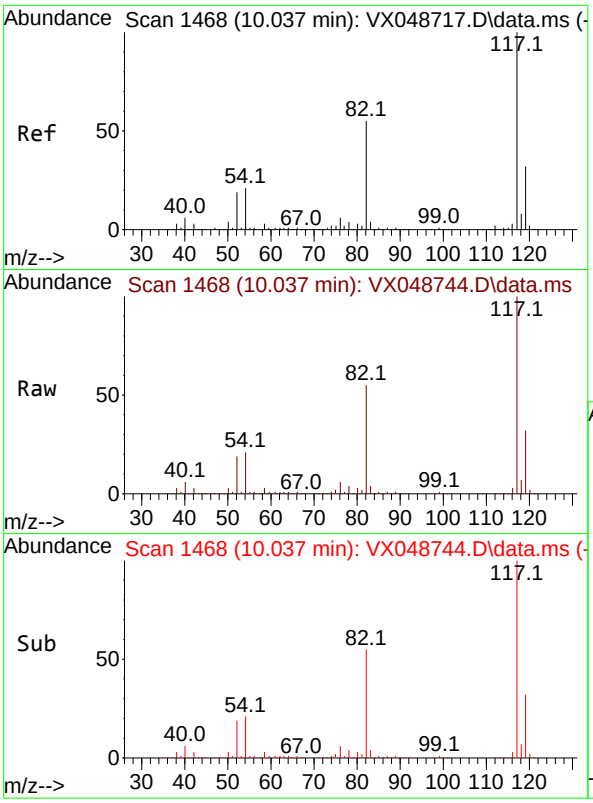


#62
4-Bromofluorobenzene
Concen: 55.813 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion: 95 Resp: 158378

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



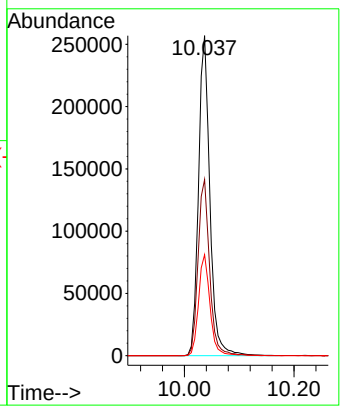


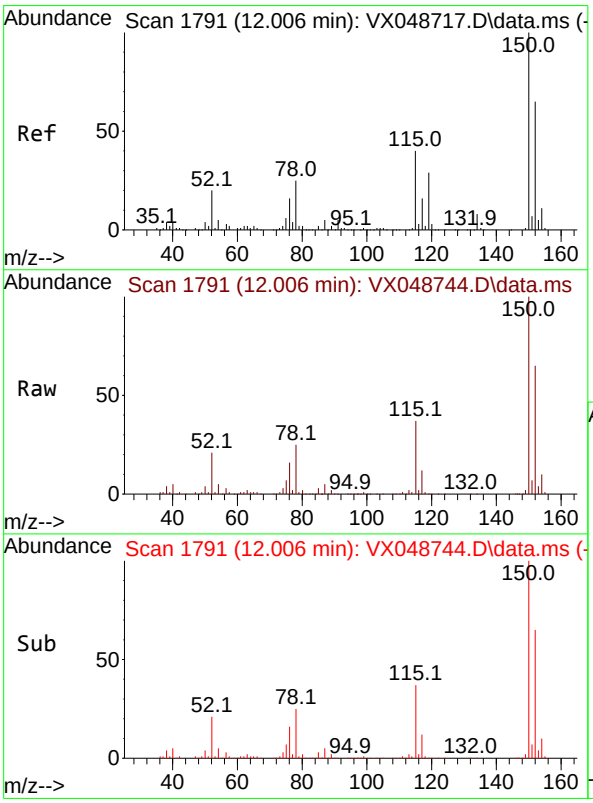
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

Tgt Ion:117 Resp: 370451

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

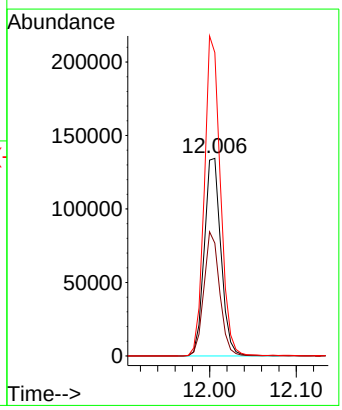




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

Tgt Ion:152 Resp: 179749

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_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

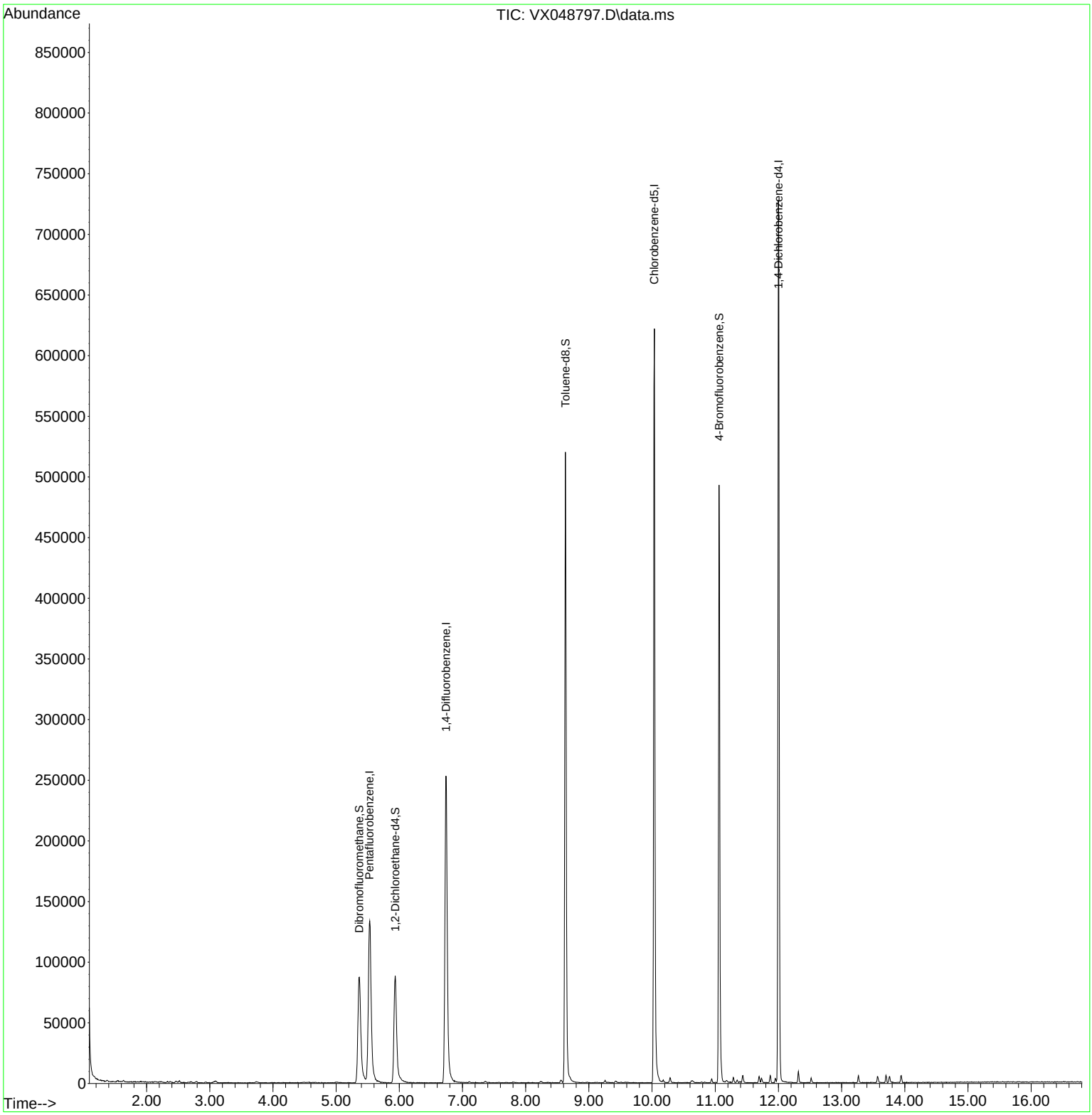
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.525	168	143182	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	288257	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	306883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	162084	50.000	ug/l	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

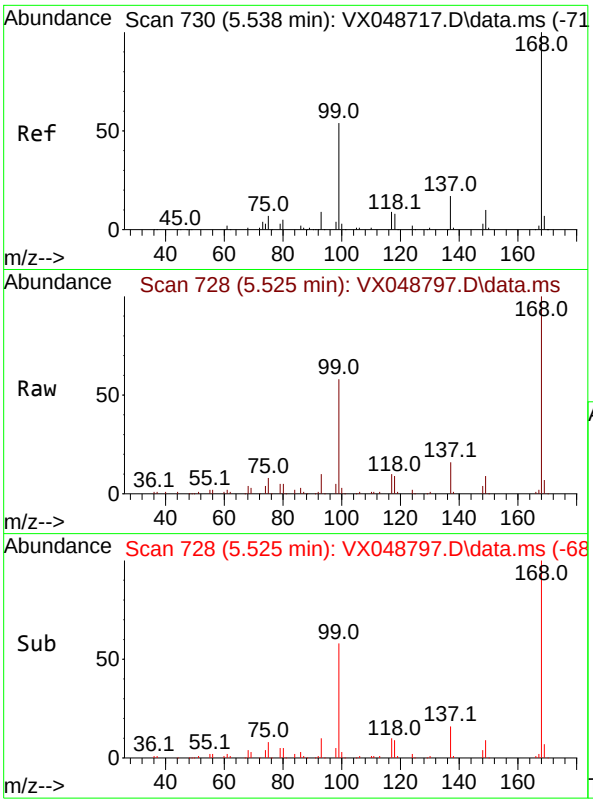
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



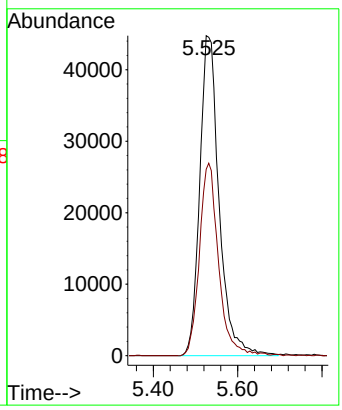


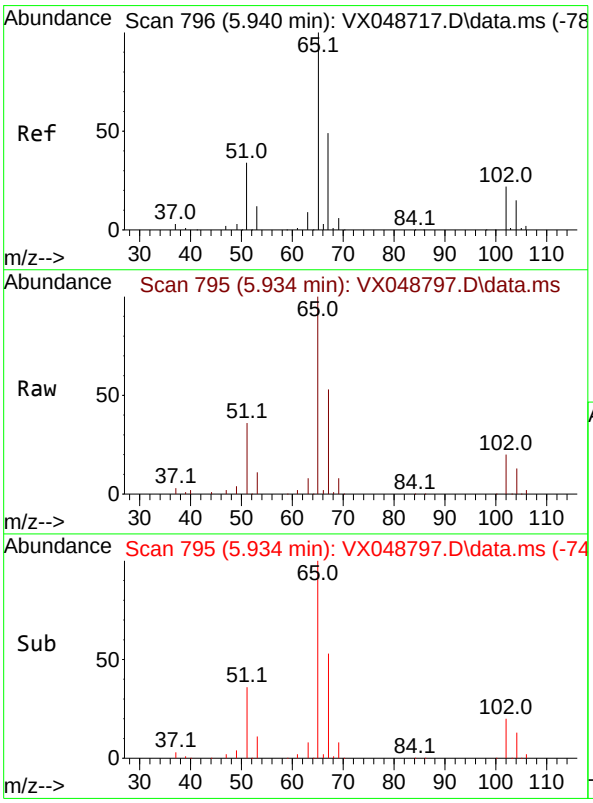
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.525 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX048797.D
Acq: 10 Dec 2025 10:10

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Tgt Ion:168 Resp: 143182

Ion	Ratio	Lower	Upper
168	100		
99	58.2	44.2	66.4

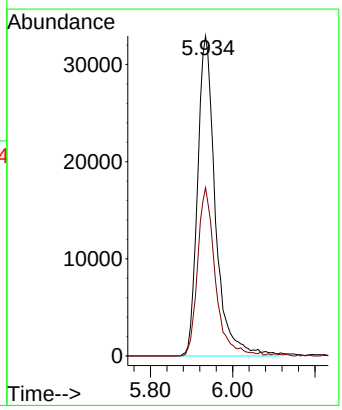


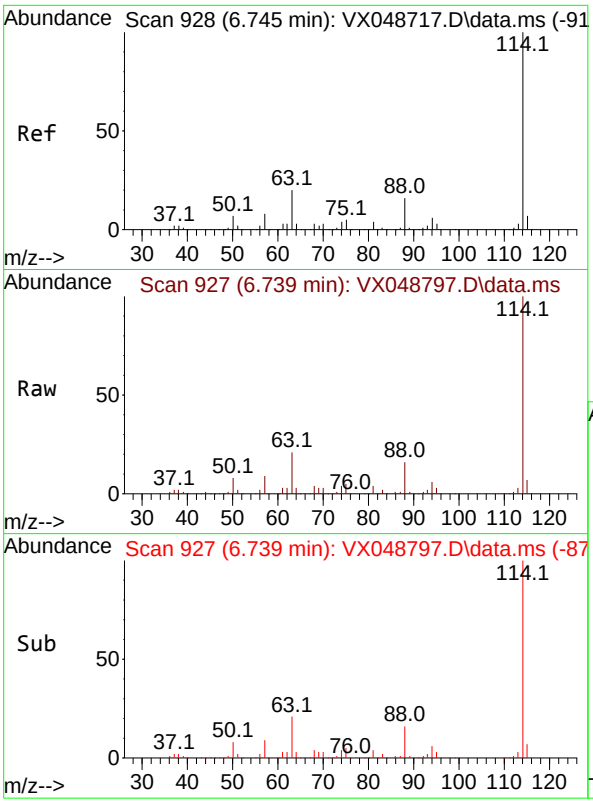


#33
1,2-Dichloroethane-d4
Concen: 51.426 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX048797.D
Acq: 10 Dec 2025 10:10

Tgt Ion: 65 Resp: 98828

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	107.4



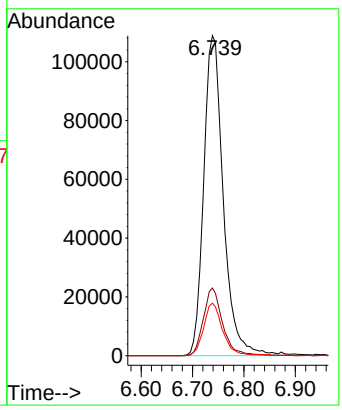


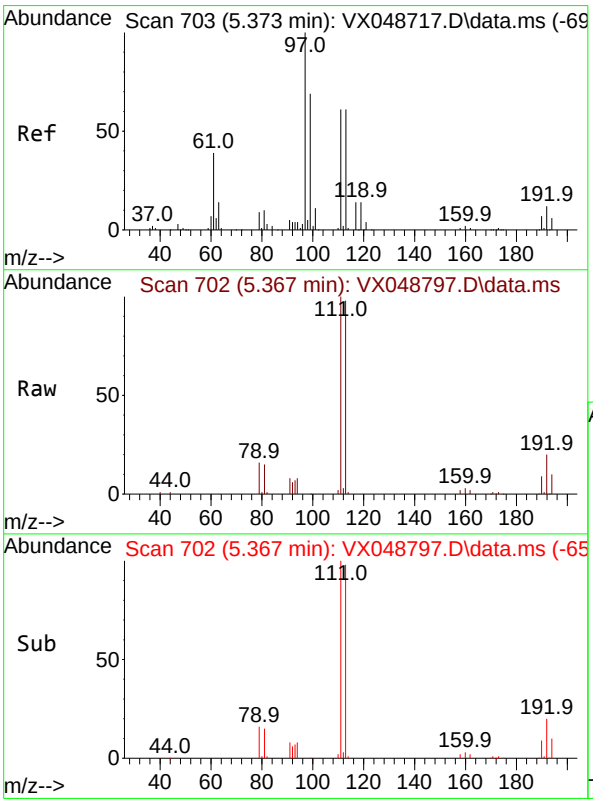
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX048797.D
Acq: 10 Dec 2025 10:10

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

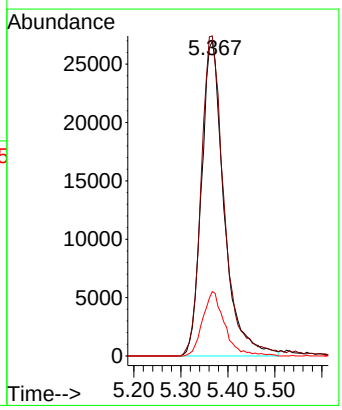


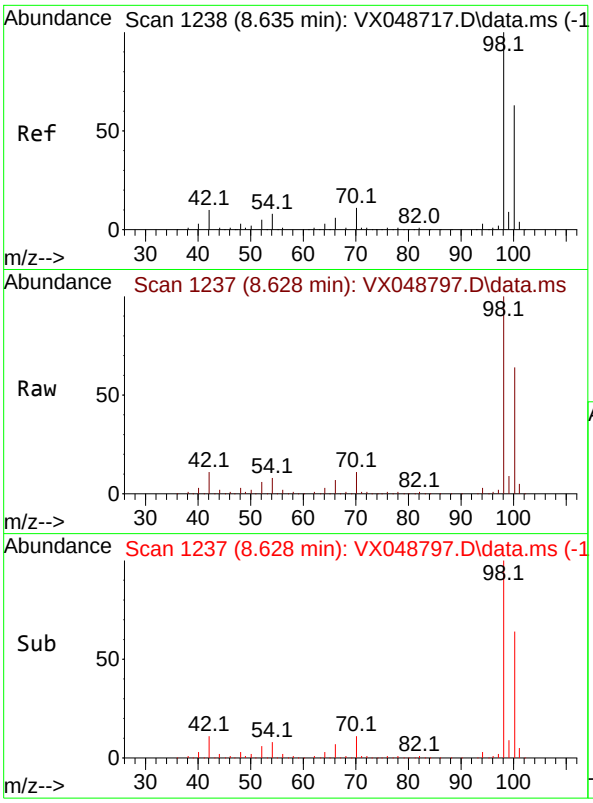


#35
Dibromofluoromethane
Concen: 45.172 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048797.D
Acq: 10 Dec 2025 10:10

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



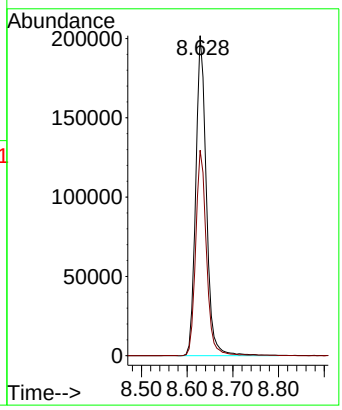


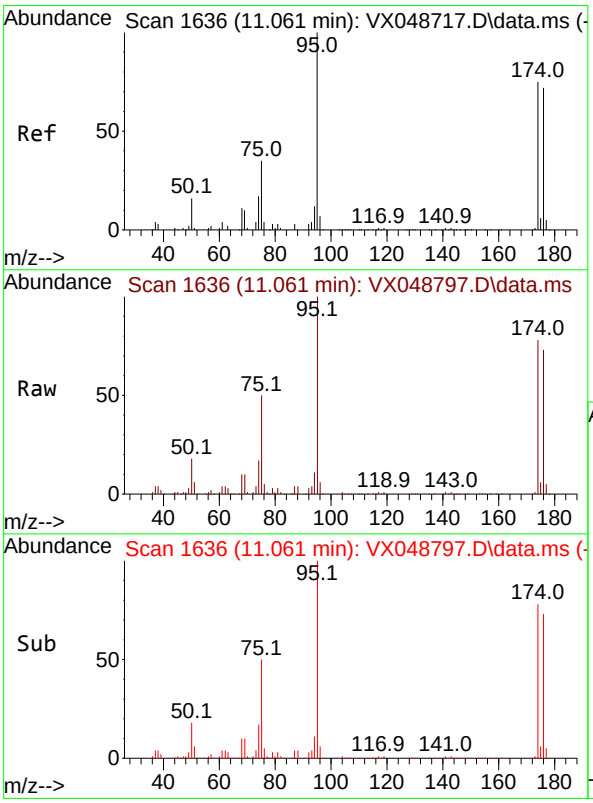
#50
Toluene-d8
Concen: 46.696 ug/l
RT: 8.628 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048797.D
Acq: 10 Dec 2025 10:10

Instrument :
MSVOA_X
ClientSampleId :
VX1210WBL01

Tgt Ion: 98 Resp: 324876

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.4	80.0

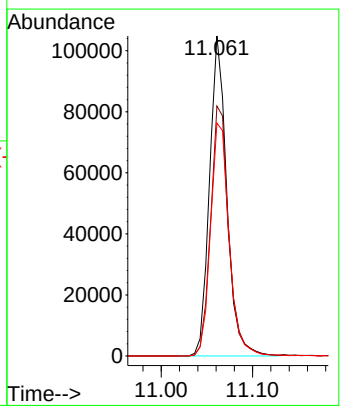


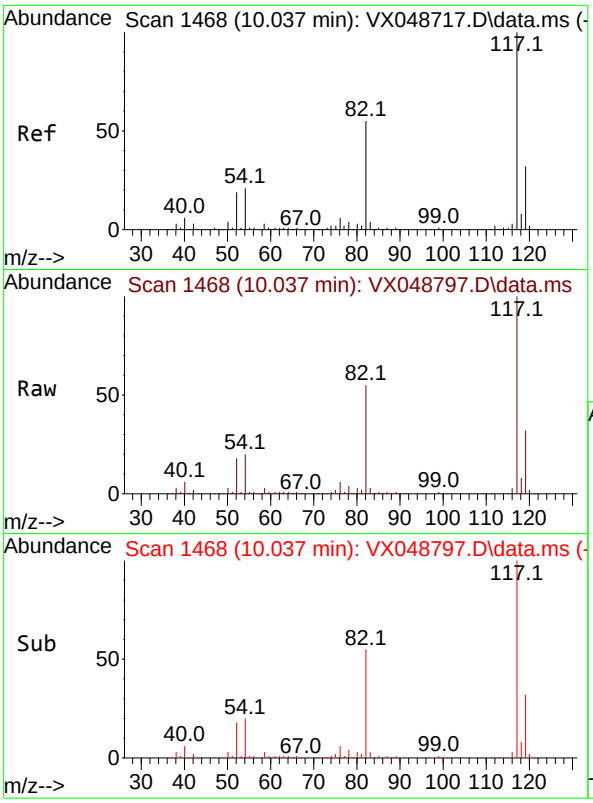


#62
4-Bromofluorobenzene
Concen: 57.242 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048797.D
Acq: 10 Dec 2025 10:10

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



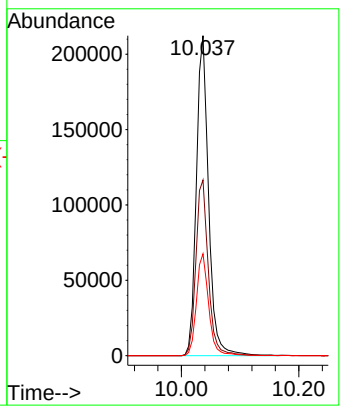


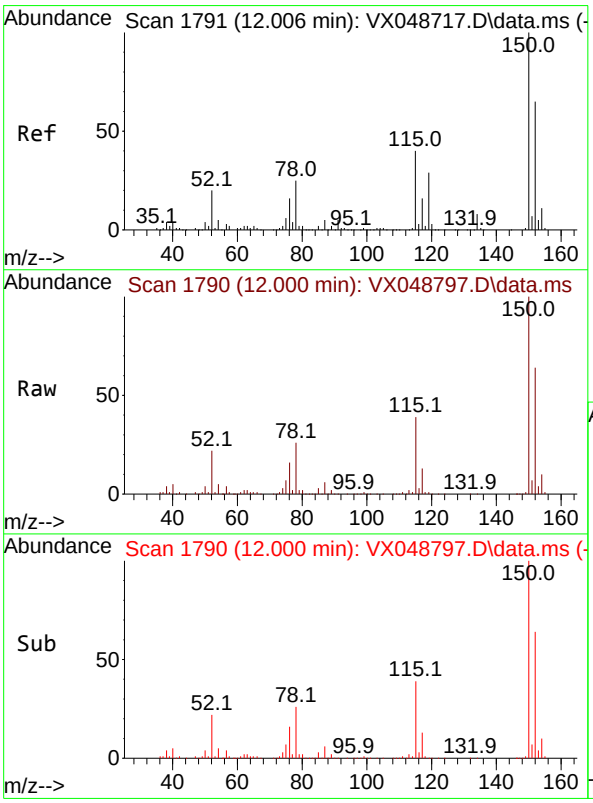
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048797.D
Acq: 10 Dec 2025 10:10

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

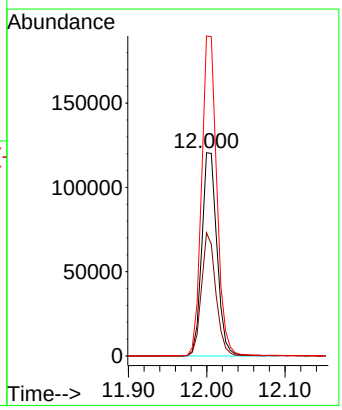




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.000 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VX048797.D
Acq: 10 Dec 2025 10:10

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



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

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

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBS01

Manual Integrations APPROVED

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBS01

Manual Integrations APPROVED

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBS01

Manual Integrations APPROVED

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

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

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

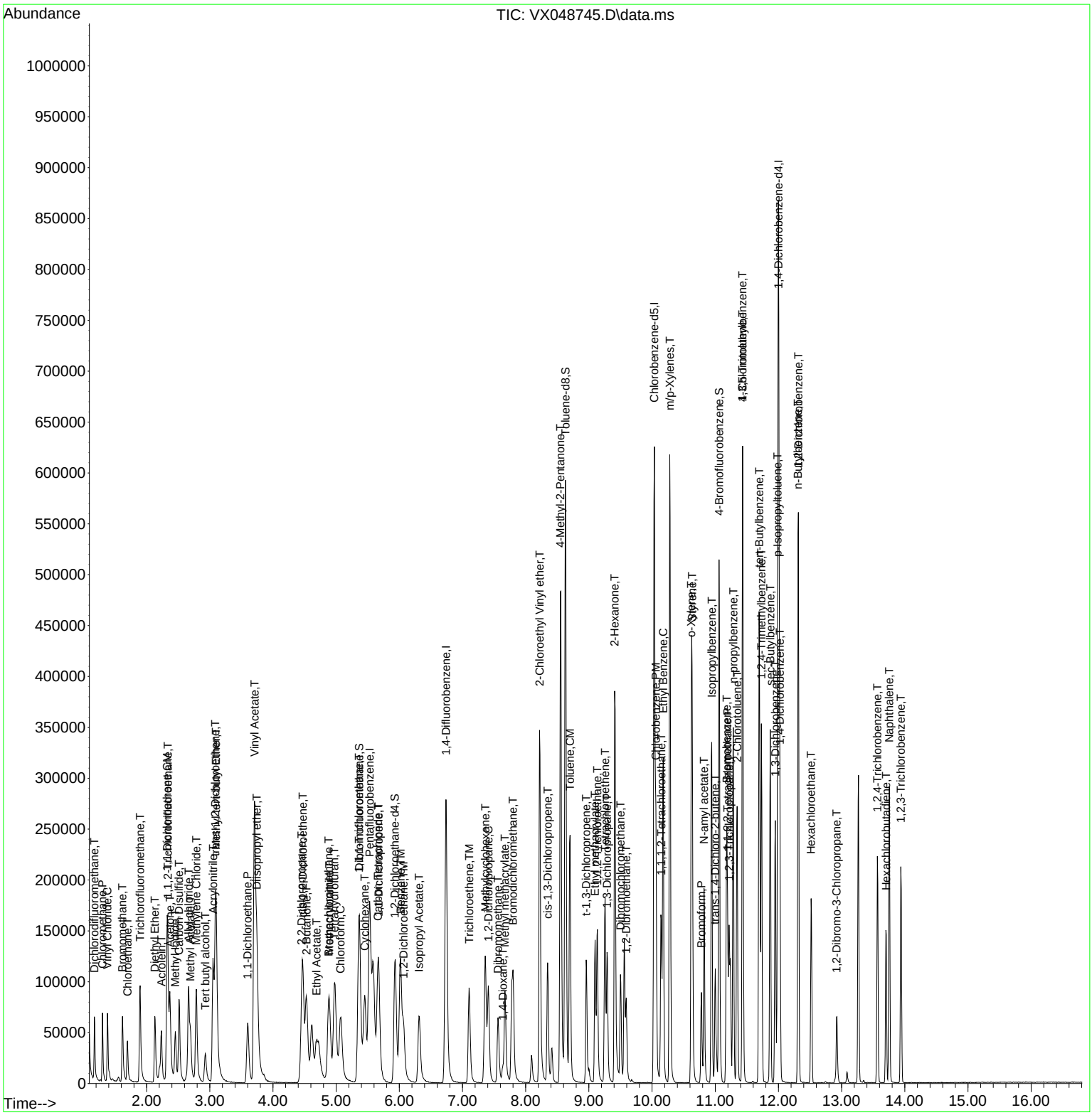
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048745.D
Acq On : 08 Dec 2025 11:44
Operator : JC/MD
Sample : VX1208WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBS01

Manual Integrations APPROVED

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_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 APPROVED

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

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

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 APPROVED

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

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

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 APPROVED

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

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

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

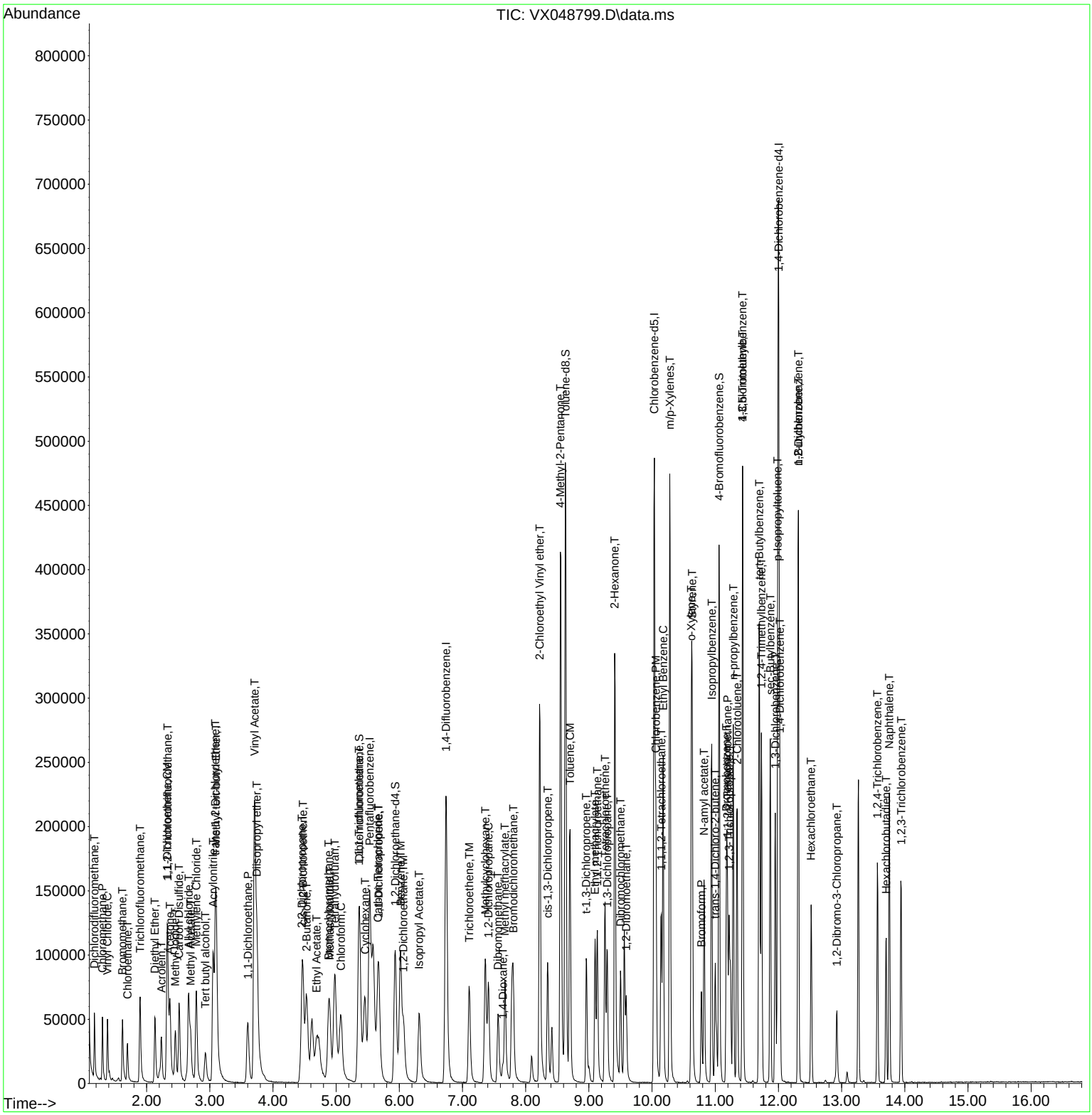
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
Data File : VX048799.D
Acq On : 10 Dec 2025 10:58
Operator : JC/MD
Sample : VX1210WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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 APPROVED

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048764.D
Acq On : 08 Dec 2025 18:22
Operator : JC/MD
Sample : Q3787-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 09 04:14:59 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 :
MW-15B-42.5-120425-MS

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	149218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	267773	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	245391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	117182	58.510	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.020%#			
35) Dibromofluoromethane	5.373	113	89600	48.597	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.200%			
50) Toluene-d8	8.635	98	300466	46.491	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.980%			
62) 4-Bromofluorobenzene	11.061	95	113409	50.888	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	85417	56.182	ug/l	95
3) Chloromethane	1.301	50	101302	52.802	ug/l	98
4) Vinyl Chloride	1.380	62	105877	51.818	ug/l	100
5) Bromomethane	1.611	94	70489	55.825	ug/l	97
6) Chloroethane	1.697	64	64380	50.627	ug/l	97
7) Trichlorofluoromethane	1.898	101	140388	47.939	ug/l	97
8) Diethyl Ether	2.136	74	61912	52.968	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	77622	45.722	ug/l	98
10) Methyl Iodide	2.459	142	120778	49.972	ug/l	98
11) Tert butyl alcohol	2.941	59	95339	294.849	ug/l	99
12) 1,1-Dichloroethene	2.325	96	85303	49.230	ug/l	98
13) Acrolein	2.233	56	99033	306.416	ug/l	99
14) Allyl chloride	2.666	41	169680	58.327	ug/l	98
15) Acrylonitrile	3.056	53	315401	313.042	ug/l	99
16) Acetone	2.374	43	266451	347.528	ug/l	98
17) Carbon Disulfide	2.514	76	245507	48.790	ug/l	99
18) Methyl Acetate	2.697	43	134400	62.303	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	326490	57.898	ug/l	100
20) Methylene Chloride	2.788	84	103850	54.190	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	93486	52.863	ug/l	95
22) Diisopropyl ether	3.751	45	339813	62.501	ug/l	96
23) Vinyl Acetate	3.715	43	1499635	328.264	ug/l	97
24) 1,1-Dichloroethane	3.605	63	178319	58.815	ug/l	99
25) 2-Butanone	4.538	43	408002	360.559	ug/l	94
26) 2,2-Dichloropropane	4.465	77	137070	51.095	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	117840	59.050	ug/l	94
28) Bromochloromethane	4.885	49	76912	51.756	ug/l	83
29) Tetrahydrofuran	4.983	42	266972	308.977	ug/l	94
30) Chloroform	5.080	83	181657	55.918	ug/l	98
31) Cyclohexane	5.464	56	124800	46.104	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	150241	51.615	ug/l	96
36) 1,1-Dichloropropene	5.678	75	111707	44.236	ug/l	98
37) Ethyl Acetate	4.690	43	181739	60.230	ug/l	98
38) Carbon Tetrachloride	5.666	117	129810	45.382	ug/l	95
39) Methylcyclohexane	7.367	83	119355	39.971	ug/l	99
40) Benzene	6.025	78	373398	49.880	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048764.D
Acq On : 08 Dec 2025 18:22
Operator : JC/MD
Sample : Q3787-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 09 04:14:59 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 :
MW-15B-42.5-120425-MS

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	82568	60.142	ug/l		94
42) 1,2-Dichloroethane	6.074	62	139760	52.748	ug/l		95
43) Isopropyl Acetate	6.318	43	251532	55.052	ug/l		95
44) Trichloroethene	7.110	130	102480	52.466	ug/l		92
45) 1,2-Dichloropropane	7.415	63	94833	50.685	ug/l		99
46) Dibromomethane	7.568	93	72314	50.965	ug/l		96
47) Bromodichloromethane	7.805	83	146227	49.430	ug/l		98
48) Methyl methacrylate	7.677	41	125351	54.538	ug/l		96
49) 1,4-Dioxane	7.647	88	29827	943.592	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	824973	290.894	ug/l		98
52) Toluene	8.702	92	226193	50.108	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	148000	52.588	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	153853	50.867	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	93282	51.359	ug/l		98
56) Ethyl methacrylate	9.098	69	158051	55.594	ug/l		97
57) 1,3-Dichloropropane	9.293	76	157141	52.031	ug/l		100
59) 2-Hexanone	9.415	43	610097	306.457	ug/l		98
60) Dibromochloromethane	9.506	129	111909	49.828	ug/l		99
61) 1,2-Dibromoethane	9.592	107	99938	50.839	ug/l		99
64) Tetrachloroethene	9.256	164	69138	38.653	ug/l		98
65) Chlorobenzene	10.061	112	246624	45.915	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	88070	45.841	ug/l		98
67) Ethyl Benzene	10.177	91	414806	47.326	ug/l		98
68) m/p-Xylenes	10.287	106	314664	92.163	ug/l		99
69) o-Xylene	10.622	106	153240	47.898	ug/l		99
70) Styrene	10.640	104	265723	48.381	ug/l		99
71) Bromoform	10.781	173	76989	44.887	ug/l	#	98
73) Isopropylbenzene	10.945	105	374207	44.136	ug/l		99
74) N-amyl acetate	10.823	43	204022	55.382	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	137839	48.182	ug/l		99
76) 1,2,3-Trichloropropane	11.220	75	132853m	56.694	ug/l		
77) Bromobenzene	11.183	156	98566	43.556	ug/l		99
78) n-propylbenzene	11.287	91	442403	45.053	ug/l		100
79) 2-Chlorotoluene	11.348	91	268688	44.872	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	308503	44.267	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	47751	48.404	ug/l	#	80
82) 4-Chlorotoluene	11.433	91	320872	45.920	ug/l		100
83) tert-Butylbenzene	11.695	119	313331	43.270	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	314064	44.675	ug/l		99
85) sec-Butylbenzene	11.872	105	371550	42.337	ug/l		100
86) p-Isopropyltoluene	11.988	119	314537	41.929	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	173442	41.576	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	179559	41.652	ug/l		99
89) n-Butylbenzene	12.311	91	288544	41.082	ug/l		99
90) Hexachloroethane	12.518	117	59625	38.944	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	171961	42.518	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	31346	45.022	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	104665	39.183	ug/l		98
94) Hexachlorobutadiene	13.707	225	38226	34.596	ug/l		94
95) Naphthalene	13.756	128	375371	49.682	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	99143	40.246	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048764.D
Acq On : 08 Dec 2025 18:22
Operator : JC/MD
Sample : Q3787-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 09 04:14:59 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 :
MW-15B-42.5-120425-MS

Manual Integrations APPROVED

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

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

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

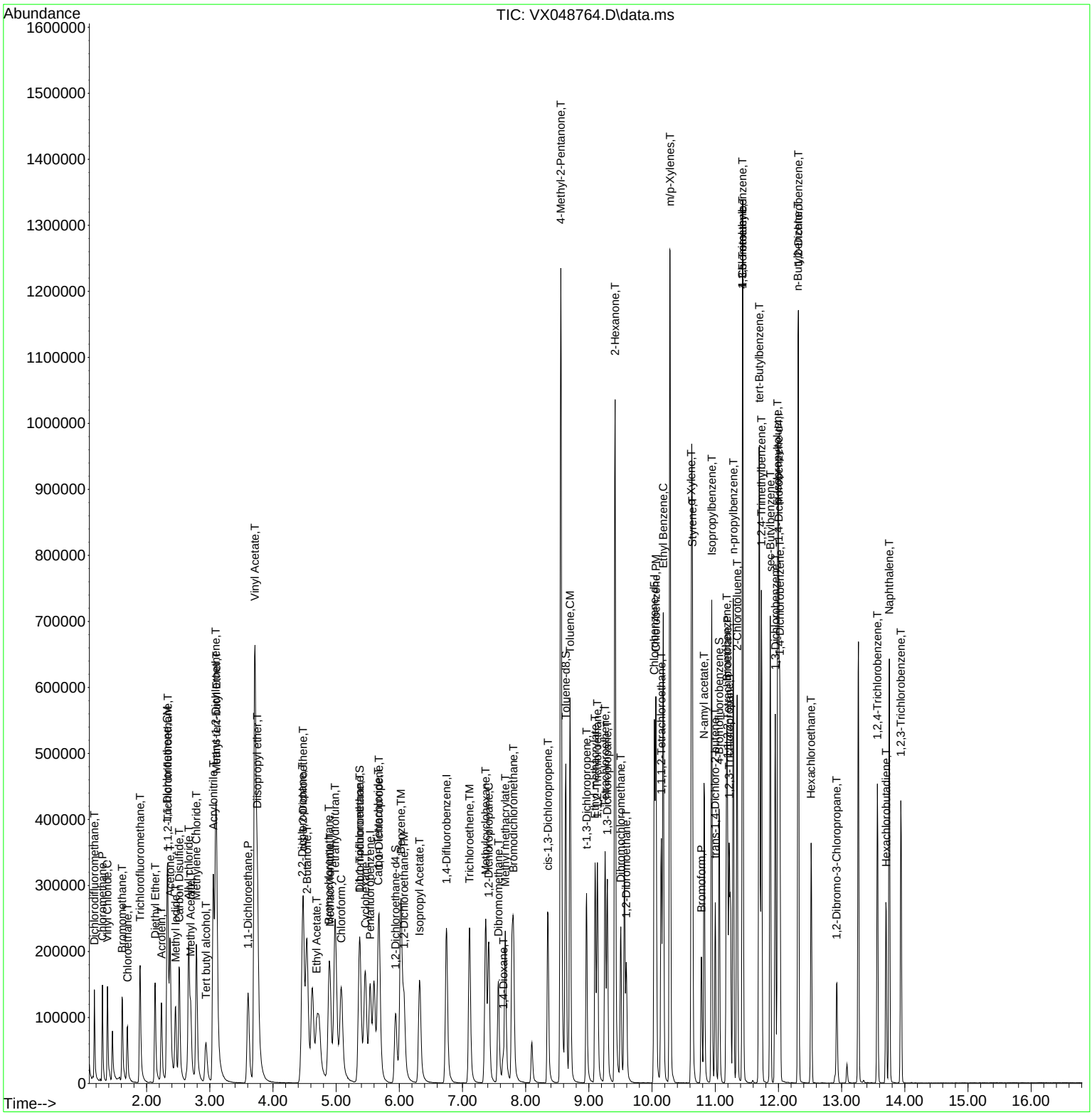
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048764.D
Acq On : 08 Dec 2025 18:22
Operator : JC/MD
Sample : Q3787-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 09 04:14:59 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 :
MW-15B-42.5-120425-MS

Manual Integrations APPROVED

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048765.D
Acq On : 08 Dec 2025 18:43
Operator : JC/MD
Sample : Q3787-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 09 04:15:51 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 :
MW-15B-42.5-120425-MSD

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	132053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	236459	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	210246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	94376	53.248	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.500%			
35) Dibromofluoromethane	5.373	113	71640	44.002	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.000%			
50) Toluene-d8	8.635	98	246820	43.248	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 86.500%#			
62) 4-Bromofluorobenzene	11.061	95	87600	44.513	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	75246	55.925	ug/l	96
3) Chloromethane	1.301	50	85763	50.513	ug/l	100
4) Vinyl Chloride	1.380	62	92023	50.892	ug/l	100
5) Bromomethane	1.611	94	62976	56.358	ug/l	95
6) Chloroethane	1.697	64	56131	49.877	ug/l	93
7) Trichlorofluoromethane	1.898	101	126977	48.996	ug/l	96
8) Diethyl Ether	2.136	74	55216	53.380	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	67709	45.067	ug/l	98
10) Methyl Iodide	2.459	142	113034	52.847	ug/l	96
11) Tert butyl alcohol	2.934	59	91401	319.414	ug/l	99
12) 1,1-Dichloroethene	2.325	96	76185	49.683	ug/l	98
13) Acrolein	2.233	56	94805	328.180	ug/l	99
14) Allyl chloride	2.666	41	151667	58.912	ug/l	96
15) Acrylonitrile	3.056	53	289692	324.899	ug/l	99
16) Acetone	2.374	43	240364	354.254	ug/l	98
17) Carbon Disulfide	2.514	76	218417	49.049	ug/l	98
18) Methyl Acetate	2.697	43	122071	63.943	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	296547	59.424	ug/l	100
20) Methylene Chloride	2.788	84	92954	54.809	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	83573	53.400	ug/l	96
22) Diisopropyl ether	3.751	45	307476	63.905	ug/l	99
23) Vinyl Acetate	3.715	43	1380586	341.487	ug/l	96
24) 1,1-Dichloroethane	3.605	63	162052	60.397	ug/l	98
25) 2-Butanone	4.538	43	379282	378.747	ug/l	95
26) 2,2-Dichloropropane	4.471	77	126787	53.405	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	107134	60.663	ug/l	93
28) Bromochloromethane	4.879	49	73318	55.751	ug/l	83
29) Tetrahydrofuran	4.983	42	248532	325.024	ug/l	92
30) Chloroform	5.080	83	164357	57.169	ug/l	100
31) Cyclohexane	5.458	56	114211	47.677	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	137153	53.244	ug/l	96
36) 1,1-Dichloropropene	5.678	75	101310	45.432	ug/l	98
37) Ethyl Acetate	4.696	43	166346	62.429	ug/l	98
38) Carbon Tetrachloride	5.666	117	115935	45.899	ug/l	100
39) Methylcyclohexane	7.367	83	106352	40.333	ug/l	98
40) Benzene	6.025	78	330918	50.059	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048765.D
Acq On : 08 Dec 2025 18:43
Operator : JC/MD
Sample : Q3787-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 09 04:15:51 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 :
MW-15B-42.5-120425-MSD

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	75624	62.378	ug/l		94
42) 1,2-Dichloroethane	6.074	62	129080	55.169	ug/l		95
43) Isopropyl Acetate	6.324	43	228096	56.533	ug/l		94
44) Trichloroethene	7.110	130	90902	52.701	ug/l		91
45) 1,2-Dichloropropane	7.415	63	84132	50.920	ug/l		99
46) Dibromomethane	7.568	93	64397	51.396	ug/l		96
47) Bromodichloromethane	7.805	83	132825	50.845	ug/l		98
48) Methyl methacrylate	7.677	41	113869	56.104	ug/l		93
49) 1,4-Dioxane	7.641	88	29281	1048.991	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	750110	299.523	ug/l		97
52) Toluene	8.702	92	202440	50.785	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	135430	54.494	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	139203	52.118	ug/l		95
55) 1,1,2-Trichloroethane	9.134	97	82425	51.391	ug/l		97
56) Ethyl methacrylate	9.104	69	139193	55.445	ug/l		94
57) 1,3-Dichloropropane	9.293	76	142537	53.445	ug/l		99
59) 2-Hexanone	9.415	43	561086	319.161	ug/l		96
60) Dibromochloromethane	9.506	129	99997	50.420	ug/l		98
61) 1,2-Dibromoethane	9.592	107	88303	50.869	ug/l		100
64) Tetrachloroethene	9.256	164	60492	39.473	ug/l		95
65) Chlorobenzene	10.061	112	224156	48.708	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	80189	48.716	ug/l		98
67) Ethyl Benzene	10.177	91	373163	49.692	ug/l		98
68) m/p-Xylenes	10.287	106	281719	96.307	ug/l		99
69) o-Xylene	10.622	106	135097	49.286	ug/l		97
70) Styrene	10.634	104	238011	50.580	ug/l		99
71) Bromoform	10.781	173	69813	47.507	ug/l	#	99
73) Isopropylbenzene	10.945	105	341593	48.867	ug/l		100
74) N-amyl acetate	10.823	43	186883	61.530	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	126896	53.801	ug/l		99
76) 1,2,3-Trichloropropane	11.220	75	101562m	52.568	ug/l		
77) Bromobenzene	11.177	156	88821	47.607	ug/l		98
78) n-propylbenzene	11.287	91	402813	49.755	ug/l		98
79) 2-Chlorotoluene	11.348	91	244532	49.533	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	282938	49.242	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.000	75	45025	55.358	ug/l	#	80
82) 4-Chlorotoluene	11.433	91	292348	50.746	ug/l		100
83) tert-Butylbenzene	11.695	119	285355	47.796	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	284007	49.000	ug/l		98
85) sec-Butylbenzene	11.872	105	334256	46.197	ug/l		100
86) p-Isopropyltoluene	11.988	119	286255	46.284	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	159683	46.427	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	164216	46.203	ug/l		99
89) n-Butylbenzene	12.311	91	263221	45.456	ug/l		98
90) Hexachloroethane	12.518	117	54335	43.044	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	155234	46.554	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	29702	51.744	ug/l		90
93) 1,2,4-Trichlorobenzene	13.567	180	94508	42.913	ug/l		99
94) Hexachlorobutadiene	13.707	225	32995	36.220	ug/l		97
95) Naphthalene	13.756	128	331262	52.612	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	88362	43.506	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048765.D
Acq On : 08 Dec 2025 18:43
Operator : JC/MD
Sample : Q3787-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 09 04:15:51 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 :
MW-15B-42.5-120425-MSD

Manual Integrations APPROVED

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

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

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

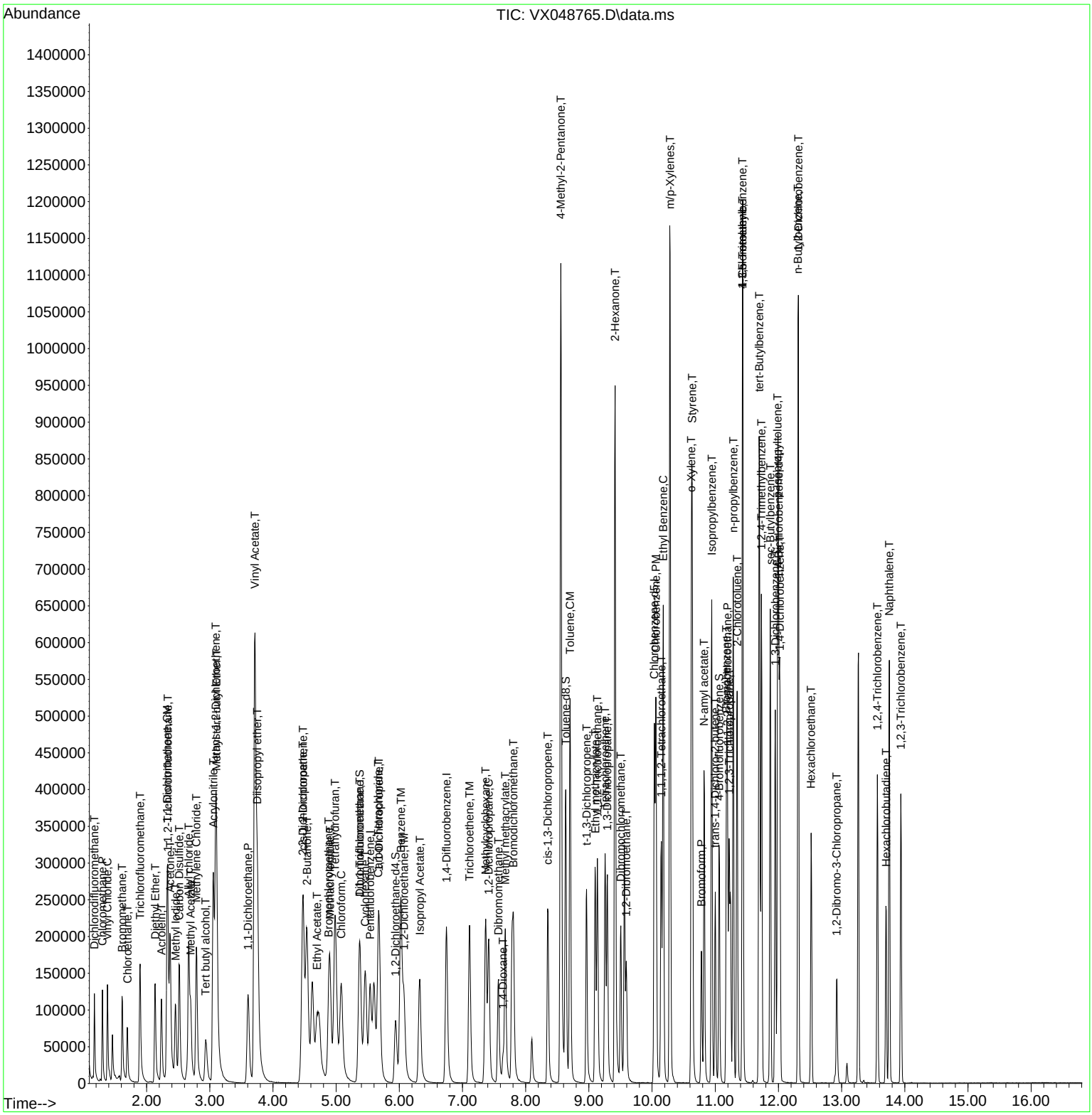
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
Data File : VX048765.D
Acq On : 08 Dec 2025 18:43
Operator : JC/MD
Sample : Q3787-03MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 09 04:15:51 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 :
MW-15B-42.5-120425-MSD

Manual Integrations APPROVED

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



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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

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Manual Integration Report

Sequence:	VX120425	Instrument	MSVOA_x

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

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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
Q3787-02MS	VX048764.D	1,2,3-Trichloropropane	JOHN	12/9/2025 8:06:43 AM	MMDadoda	12/9/2025 12:23:50 PM	Peak Integrated by Software
Q3787-03MSD	VX048765.D	1,2,3-Trichloropropane	JOHN	12/9/2025 8:06:48 AM	MMDadoda	12/9/2025 12:23:55 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

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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

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX120425

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

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

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

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX120825

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

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

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

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX120825

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

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

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

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch 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	VP136598
Initial Calibration Stds	
CCC	VP136599,VP136600
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch 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	VP136598
Initial Calibration Stds	
CCC	VP136599,VP136600
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX120425

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

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

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

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX120825

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

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

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

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX120825

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

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

19	Q3787-21	TB01-120425	VX048759.D	08 Dec 2025 16:40	vial A pH<2 TB;Surrogate fail	JC/MD	ReRun
20	Q3788-07	OW-01B-66.5-120525	VX048760.D	08 Dec 2025 17:00	vial A pH<2 Surrogate fail	JC/MD	ReRun
21	Q3788-09	TA-BR-05-465-120525	VX048761.D	08 Dec 2025 17:21	vial A pH<2 Surrogate fail	JC/MD	ReRun
22	Q3788-11	MW-16B-87.5-120525	VX048762.D	08 Dec 2025 17:41	vial A pH<2 Surrogate fail	JC/MD	ReRun
23	Q3788-13	TB01-120525	VX048763.D	08 Dec 2025 18:02	vial A pH<2 TB	JC/MD	Ok
24	Q3787-02MS	MW-15B-42.5-120425-I	VX048764.D	08 Dec 2025 18:22	vial A pH<2	JC/MD	Ok,M
25	Q3787-03MSD	MW-15B-42.5-120425-I	VX048765.D	08 Dec 2025 18:43	vial A pH<2	JC/MD	Ok,M
26	VSTDCCC050	VSTDCCC050EC	VX048766.D	08 Dec 2025 19:03		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch 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	VP136598
Initial Calibration Stds	
CCC	VP136599,VP136600
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	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-02-170-120425I	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

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Instrument ID: MSVOA_X

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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	VP136598
Initial Calibration Stds	
CCC	VP136599,VP136600
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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	TA-BR-05-465-120525F	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

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LAB CHRONICLE

OrderID:	Q3787	**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
Q3787-01	**MW-15B-42.5-120425**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/08/25	
Q3787-07	**OWBR-02-170-120425**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/08/25	
Q3787-07RE	**OWBR-02-170-120425RE**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/10/25	
Q3787-09	**OWBR-02-170-120425-FD**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/08/25	
Q3787-09RE	**OWBR-02-170-120425-FDRE**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/10/25	
Q3787-11	**OW-03B-51.5-120425**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/08/25	
Q3787-11RE	**OW-03B-51.5-120425RE**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/10/25	
Q3787-13	**OW-03B-51.5-120425-FD**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/08/25	
Q3787-13RE	**OW-03B-51.5-120425-FDRE**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/10/25	
Q3787-15	**OW-08B-72.5-120425**	**Water**			**12/04/25**			**12/04/25**

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LAB CHRONICLE

			VOCMS Group3	8260-Low		12/08/25	
Q3787-17	**OW-08B-72.5-120425 -FD**	**Water**			**12/04/25**		**12/04/25**
			VOCMS Group3	8260-Low		12/08/25	
Q3787-17RE	**OW-08B-72.5-120425 -FDRE**	**Water**			**12/04/25**		**12/04/25**
			VOCMS Group3	8260-Low		12/10/25	
Q3787-19	**OW-02B-21.2-120425**	**Water**			**12/04/25**		**12/04/25**
			VOCMS Group3	8260-Low		12/10/25	
Q3787-21	**TB01-120425**	**Water**			**12/04/25**		**12/04/25**
			VOCMS Group3	8260-Low		12/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3787

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Total Voc : 0.0

Total Concentration: 0.0

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OWBR-02-170-120425-SIM	SDG No.:	Q3787
Lab Sample ID:	Q3787-08	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/09/25 16:03	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.60			40 - 130	120.8%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.48			70 - 130	95.4%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.43			60 - 140	86.8%	SPK: 0.5		
2037-26-5	Toluene-d8	0.49			70 - 130	98.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.57			65 - 120	115%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	6170							
540-36-3	1,4-Difluorobenzene	6150							
3855-82-1	1,4-Dichlorobenzene-d4	3300							

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

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OWBR-02-170-120425-SIM	SDG No.:	Q3787
Lab Sample ID:	Q3787-10	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/09/25 16:24	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.65			40 - 130	129.2%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.50			70 - 130	100.4%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.46			60 - 140	91%	SPK: 0.5		
2037-26-5	Toluene-d8	0.51			70 - 130	102.4%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.59			65 - 120	118.6%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	6880							
540-36-3	1,4-Difluorobenzene	6810							
3855-82-1	1,4-Dichlorobenzene-d4	3710							

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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-03B-51.5-120425-SIM	SDG No.:	Q3787
Lab Sample ID:	Q3787-12	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/09/25 16:45	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.56			40 - 130	111.8%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.45			70 - 130	90.8%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.41			60 - 140	81.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.44			70 - 130	88.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.52			65 - 120	103.4%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	5850							
540-36-3	1,4-Difluorobenzene	5750							
3855-82-1	1,4-Dichlorobenzene-d4	3000							

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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-03B-51.5-120425-SIM-	SDG No.:	Q3787
Lab Sample ID:	Q3787-14	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/09/25 17:06	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.62			40 - 130	124.2%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.46			70 - 130	91.2%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.42			60 - 140	83.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.46			70 - 130	92.2%	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	5870							
540-36-3	1,4-Difluorobenzene	5910							
3855-82-1	1,4-Dichlorobenzene-d4	3090							

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

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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-08B-72.5-120425-SIM	SDG No.:	Q3787
Lab Sample ID:	Q3787-16	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/09/25 17:27	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.57			40 - 130	115%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.45			70 - 130	89.2%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.42			60 - 140	84.6%	SPK: 0.5		
2037-26-5	Toluene-d8	0.47			70 - 130	94.2%	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	6570							
540-36-3	1,4-Difluorobenzene	6730							
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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-08B-72.5-120425-SIM-	SDG No.:	Q3787
Lab Sample ID:	Q3787-18	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/09/25 17:48	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.51			40 - 130	102%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.41			70 - 130	82.8%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.41			60 - 140	81%	SPK: 0.5		
2037-26-5	Toluene-d8	0.45			70 - 130	90.4%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.49			65 - 120	98.8%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	6890							
540-36-3	1,4-Difluorobenzene	7200							
3855-82-1	1,4-Dichlorobenzene-d4	3690							

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

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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-02B-21.2-120425-SIM	SDG No.:	Q3787
Lab Sample ID:	Q3787-20	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/09/25 18:09	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.54			40 - 130	108.4%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.47			70 - 130	94.2%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.45			60 - 140	89.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.50			70 - 130	100.4%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.53			65 - 120	106.8%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	5450							
540-36-3	1,4-Difluorobenzene	5440							
3855-82-1	1,4-Dichlorobenzene-d4	2890							

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

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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	TB01-120425	SDG No.:	Q3787
Lab Sample ID:	Q3787-21	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/08/25 12:02	VV120825
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.55			40 - 130	109%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.43			70 - 130	86.8%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.42			60 - 140	84%	SPK: 0.5		
2037-26-5	Toluene-d8	0.47			70 - 130	93.2%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.53			65 - 120	105.6%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	6120							
540-36-3	1,4-Difluorobenzene	6540							
3855-82-1	1,4-Dichlorobenzene-d4	3130							

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

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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	VHBLK001	SDG No.:	Q3787
Lab Sample ID:	Q3787-22	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/10/25 10:19	VV121025
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.49			40 - 130	98%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.40			70 - 130	80%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.38			60 - 140	76%	SPK: 0.5		
2037-26-5	Toluene-d8	0.43			70 - 130	86%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.49			65 - 120	98%	SPK: 0.5		
INTERNAL STANDARDS		**Area Count**							
3114-55-4	Chlorobenzene-d5	7100							
540-36-3	1,4-Difluorobenzene	7640							
3855-82-1	1,4-Dichlorobenzene-d4	3710							

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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
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D = Dilution
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A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SDG No.: Q3787

Client: JACOBS Engineering Group, Inc.

Analytical Method: SWSFAM_VOCSIM

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3787-08	OWBR-02-170-120425-SIM	Vinyl chloride-d3	0.5	0.60	121		40	130
		1,2-Dichloroethane-d4	0.5	0.48	95		70	130
		1,2-Dichloropropane-d6	0.5	0.43	87		60	140
		Toluene-d8	0.5	0.49	99		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.57	115		65	120
Q3787-10	OWBR-02-170-120425-SIM-FD	Vinyl chloride-d3	0.5	0.65	129		40	130
		1,2-Dichloroethane-d4	0.5	0.50	100		70	130
		1,2-Dichloropropane-d6	0.5	0.46	91		60	140
		Toluene-d8	0.5	0.51	102		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.59	119		65	120
Q3787-12	OW-03B-51.5-120425-SIM	Vinyl chloride-d3	0.5	0.56	112		40	130
		1,2-Dichloroethane-d4	0.5	0.45	91		70	130
		1,2-Dichloropropane-d6	0.5	0.41	81		60	140
		Toluene-d8	0.5	0.44	89		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.52	103		65	120
Q3787-14	OW-03B-51.5-120425-SIM-FD	Vinyl chloride-d3	0.5	0.62	124		40	130
		1,2-Dichloroethane-d4	0.5	0.46	91		70	130
		1,2-Dichloropropane-d6	0.5	0.42	83		60	140
		Toluene-d8	0.5	0.46	92		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.53	106		65	120
Q3787-16	OW-08B-72.5-120425-SIM	Vinyl chloride-d3	0.5	0.57	115		40	130
		1,2-Dichloroethane-d4	0.5	0.45	89		70	130
		1,2-Dichloropropane-d6	0.5	0.42	85		60	140
		Toluene-d8	0.5	0.47	94		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.53	106		65	120
Q3787-18	OW-08B-72.5-120425-SIM-FD	Vinyl chloride-d3	0.5	0.51	102		40	130
		1,2-Dichloroethane-d4	0.5	0.41	83		70	130
		1,2-Dichloropropane-d6	0.5	0.41	81		60	140
		Toluene-d8	0.5	0.45	90		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.49	99		65	120
Q3787-20	OW-02B-21.2-120425-SIM	Vinyl chloride-d3	0.5	0.54	108		40	130
		1,2-Dichloroethane-d4	0.5	0.47	94		70	130
		1,2-Dichloropropane-d6	0.5	0.45	89		60	140
		Toluene-d8	0.5	0.50	100		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.53	107		65	120
Q3787-21	TB01-120425	Vinyl chloride-d3	0.5	0.55	109		40	130
		1,2-Dichloroethane-d4	0.5	0.43	87		70	130
		1,2-Dichloropropane-d6	0.5	0.42	84		60	140
		Toluene-d8	0.5	0.47	93		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.53	106		65	120
Q3787-22	VHBLK001	Vinyl chloride-d3	0.5	0.49	98		40	130
		1,2-Dichloroethane-d4	0.5	0.40	80		70	130
		1,2-Dichloropropane-d6	0.5	0.38	76		60	140
		Toluene-d8	0.5	0.43	86		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.49	98		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

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Surrogate Summary

SDG No.: Q3787

Client: JACOBS Engineering Group, Inc.

Analytical Method: SWSFAM_VOCSIM

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
VV1209WBL01	VBLK238	Vinyl chloride-d3	0.5	0.57	113		40	130
		1,2-Dichloroethane-d4	0.5	0.44	87		70	130
		1,2-Dichloropropane-d6	0.5	0.42	83		60	140
		Toluene-d8	0.5	0.47	95		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.51	101		65	120
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

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VOLATILE METHOD BLANK SUMMARY

Client ID
VBLK237

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q3787

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
TB01-120425	Q3787-21	VV039488.D	12/08/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VBLK238

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3787

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

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

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

Instrument ID: MSVOA_V

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
OWBR-02-170-120425-SIM	Q3787-08	VV039506.D	12/09/2025
OWBR-02-170-120425-SIM-FD	Q3787-10	VV039507.D	12/09/2025
OW-03B-51.5-120425-SIM	Q3787-12	VV039508.D	12/09/2025
OW-03B-51.5-120425-SIM-FD	Q3787-14	VV039509.D	12/09/2025
OW-08B-72.5-120425-SIM	Q3787-16	VV039510.D	12/09/2025
OW-08B-72.5-120425-SIM-FD	Q3787-18	VV039511.D	12/09/2025
OW-02B-21.2-120425-SIM	Q3787-20	VV039512.D	12/09/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VBLK239

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3787

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
VHBLK001	Q3787-22	VV039519.D	12/10/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3787

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

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

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	48.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.7 (1.8) 1
174	50.0 - 100.0% of mass 95	94.2
175	5.0 - 9.0% of mass 174	6.9 (7.3) 1
176	95.0 - 101.0% of mass 174	91.7 (97.4) 1
177	5.0 - 9.0% of mass 176	6 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD0.02269	VSTD0.0269	VV039445.D	12/03/2025	09:55
VSTD0.05270	VSTD0.0570	VV039446.D	12/03/2025	10:32
VSTD0.1271	VSTD0.171	VV039447.D	12/03/2025	10:58
VSTD0.5272	VSTD0.572	VV039448.D	12/03/2025	11:25
VSTD001273	VSTD00173	VV039449.D	12/03/2025	11:52
VSTD002274	VSTD00274	VV039450.D	12/03/2025	12:18

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: JACO05
Lab Code: ACE
SDG NO.: Q3787
Lab File ID: VV039485.D
BFB Injection Date: 12/08/2025
Instrument ID: MSVOA_V
BFB Injection Time: 08:14
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	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
TB01-120425	Q3787-21	VV039488.D	12/08/2025	12:02
VSTD0.5338	VSTDCCC0.5EC	VV039499.D	12/08/2025	17:27

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: JACO05
Lab Code: ACE
SDG NO.: Q3787
Lab File ID: VV039500.D
BFB Injection Date: 12/09/2025
Instrument ID: MSVOA_V
BFB Injection Time: 12:56
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.7 (1.8) 1
174	50.0 - 100.0% of mass 95	95
175	5.0 - 9.0% of mass 174	7.4 (7.8) 1
176	95.0 - 101.0% of mass 174	93 (97.8) 1
177	5.0 - 9.0% of mass 176	6.5 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD0.5339	VSTDCCC0.5	VV039501.D	12/09/2025	13:58
VBLK238	VV1209WBL01	VV039502.D	12/09/2025	14:29
OWBR-02-170-120425-SIM	Q3787-08	VV039506.D	12/09/2025	16:03
OWBR-02-170-120425-SIM-FD	Q3787-10	VV039507.D	12/09/2025	16:24
OW-03B-51.5-120425-SIM	Q3787-12	VV039508.D	12/09/2025	16:45
OW-03B-51.5-120425-SIM-FD	Q3787-14	VV039509.D	12/09/2025	17:06
OW-08B-72.5-120425-SIM	Q3787-16	VV039510.D	12/09/2025	17:27
OW-08B-72.5-120425-SIM-FD	Q3787-18	VV039511.D	12/09/2025	17:48
OW-02B-21.2-120425-SIM	Q3787-20	VV039512.D	12/09/2025	18:09
VSTD0.5340	VSTDCCC0.5EC	VV039515.D	12/09/2025	19:12

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3787

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
VHBLK001	Q3787-22	VV039519.D	12/10/2025	10:19
VSTD0.5342	VSTDCCC0.5EC	VV039532.D	12/10/2025	15:47

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q3787

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.						
TB01-120425	6543	5.57	6120	8.79	3130	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q3787

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

Instrument ID: MSVOA_V Time Analyzed: 13:58

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

	IS1 (DFB) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
12 HOUR STD	7231	5.57	7043	8.79	3954	11.18
UPPER LIMIT	14462	5.736	14086	8.955	7908	11.345
LOWER LIMIT	3615.5	5.396	3521.5	8.615	1977	11.005
EPA SAMPLE NO.						
OWBR-02-170-120425-SIM	6146	5.57	6167	8.80	3302	11.18
OWBR-02-170-120425-SIM-FD	6812	5.57	6882	8.80	3706	11.18
OW-03B-51.5-120425-SIM	5747	5.57	5849	8.80	3001	11.20
OW-03B-51.5-120425-SIM-FD	5914	5.57	5873	8.80	3089	11.20
OW-08B-72.5-120425-SIM	6729	5.57	6569	8.80	3453	11.20
OW-08B-72.5-120425-SIM-FD	7201	5.57	6889	8.79	3685	11.20
OW-02B-21.2-120425-SIM	5439	5.57	5451	8.80	2889	11.20
VBLK238	6387	5.57	5976	8.80	3086	11.20

IS1 (DFB) = 1,4-Difluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q3787

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.						
VHBLK001	7644	5.57	7099	8.79	3705	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

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

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VBLK237	SDG No.:	Q3787
Lab Sample ID:	VV1208WBL01	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/08/25 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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VBLK238	SDG No.:	Q3787
Lab Sample ID:	VV1209WBL01	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

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

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

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VBLK239	SDG No.:	Q3787
Lab Sample ID:	VV1210WBL01	Matrix:	Water
Analytical Method:	Level:	% Solid:	0
Sample Wt/Vol:	25 mL Final Vol: 25000 uL	Test:	VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/10/25 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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q3787

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

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

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

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

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

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q3787

Instrument ID: MSVOA_V Calibration Date/Time: 12/08/2025 09:00

Lab File ID: VV039486.D Init. Calib. Date(s): 12/03/2025 12/03/2025

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

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	1.090	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.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q3787

Instrument ID: MSVOA_V Calibration Date/Time: 12/08/2025 17:27

Lab File ID: VV039499.D Init. Calib. Date(s): 12/03/2025 12/03/2025

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

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	1.098	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.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q3787

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

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

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

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

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

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q3787

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

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

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

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

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

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q3787

Instrument ID: MSVOA_V Calibration Date/Time: 12/10/2025 09:10

Lab File ID: VV039517.D Init. Calib. Date(s): 12/03/2025 12/03/2025

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

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	1.050	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.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q3787

Instrument ID: MSVOA_V Calibration Date/Time: 12/10/2025 15:47

Lab File ID: VV039532.D Init. Calib. Date(s): 12/03/2025 12/03/2025

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

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	1.038	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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039506.D
Acq On : 09 Dec 2025 16:03
Operator : SY/MD
Sample : Q3787-08
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM

Quant Time: Dec 10 01:17:13 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

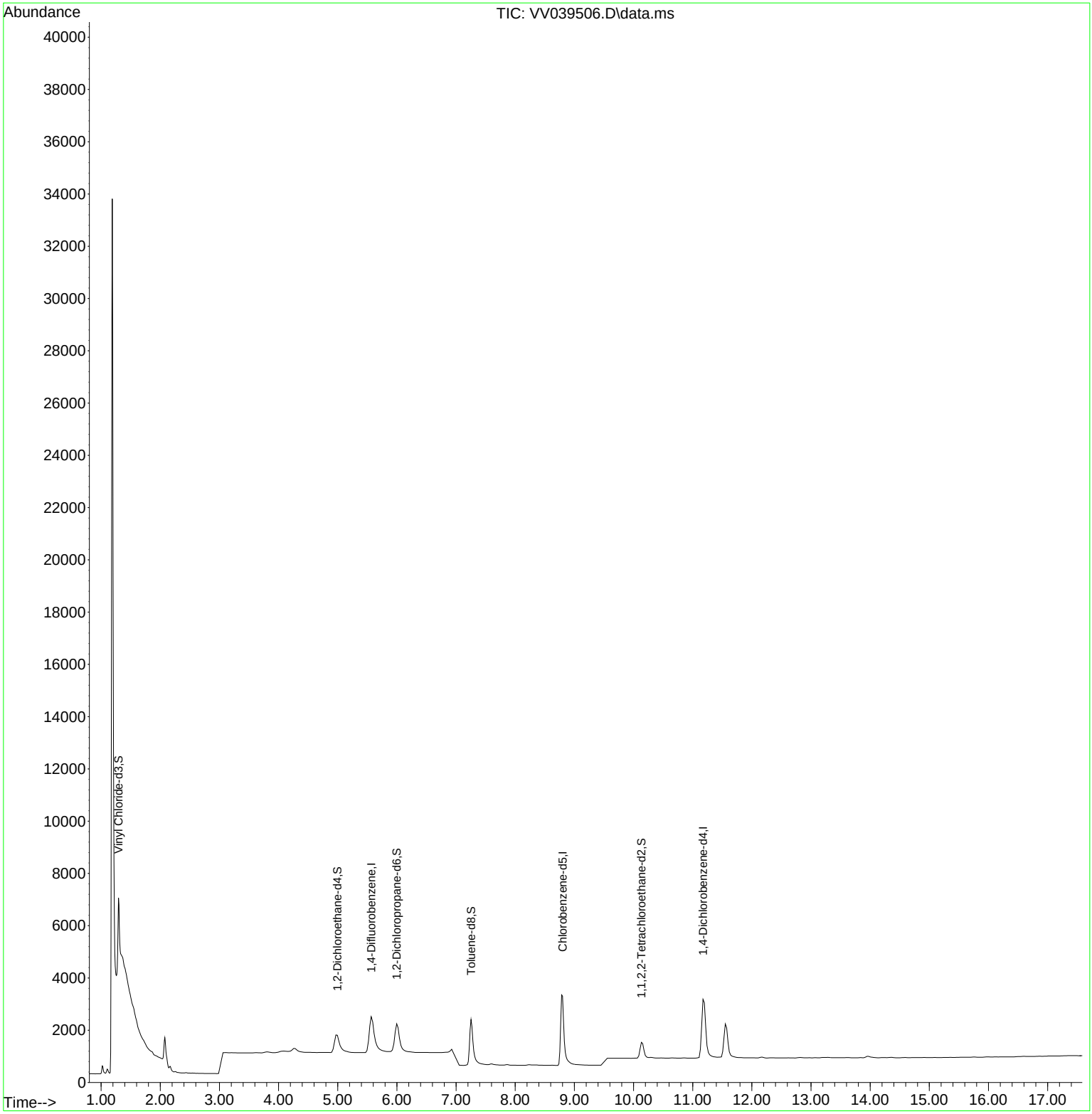
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6146	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6167	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.175	152	3302	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	3646	0.604	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 120.000%			
4) 1,2-Dichloroethane-d4	4.994	65	1954	0.477	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 96.000%			
7) 1,2-Dichloropropane-d6	5.996	67	2259	0.434	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 86.000%			
8) Toluene-d8	7.254	98	4324	0.493	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 98.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1687	0.575	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 116.000%			
Target Compounds						Qvalue

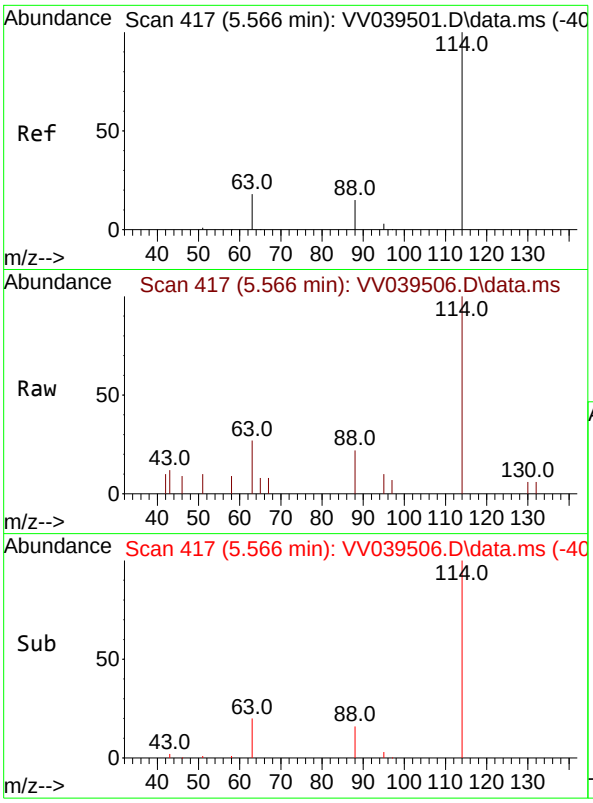
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039506.D
Acq On : 09 Dec 2025 16:03
Operator : SY/MD
Sample : Q3787-08
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM

Quant Time: Dec 10 01:17:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration



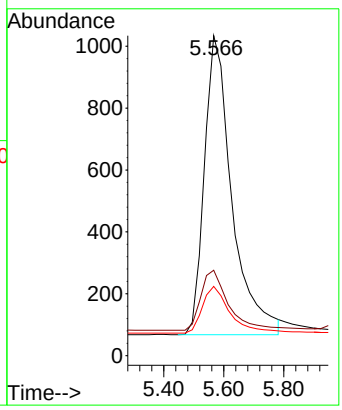


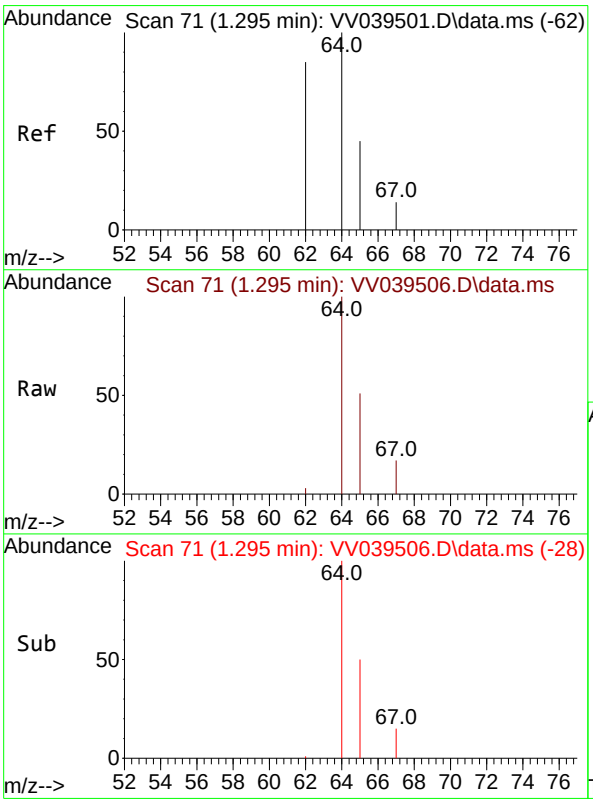
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039506.D
Acq: 09 Dec 2025 16:03

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM

Tgt Ion:114 Resp: 6146

Ion	Ratio	Lower	Upper
114	100		
63	20.1	15.0	22.4
88	15.6	12.0	18.0

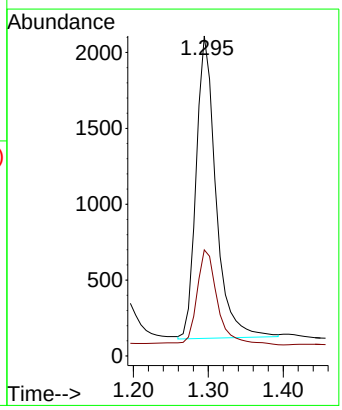


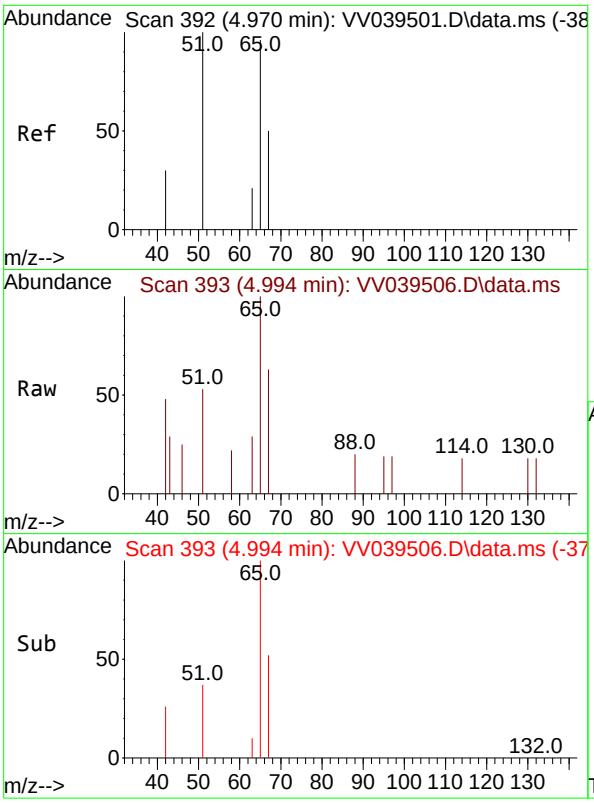


#2
Vinyl Chloride-d3
Concen: 0.604 ug/L
RT: 1.295 min Scan# 71
Delta R.T. 0.001 min
Lab File: VV039506.D
Acq: 09 Dec 2025 16:03

Tgt Ion: 65 Resp: 3646

Ion	Ratio	Lower	Upper
65	100		
67	33.6	22.3	41.5



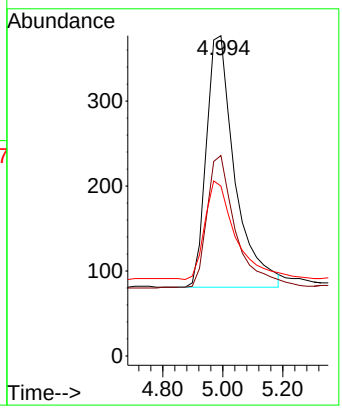


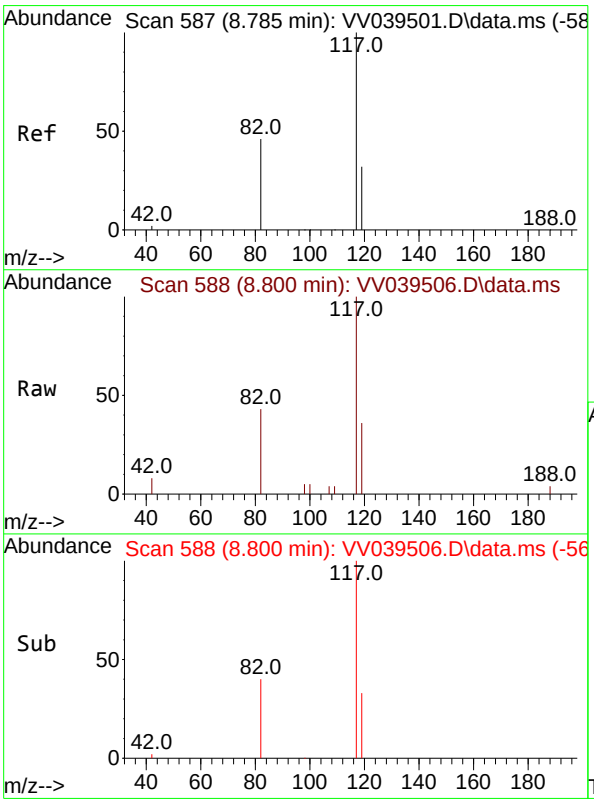
#4
1,2-Dichloroethane-d4
Concen: 0.477 ug/L
RT: 4.994 min Scan# 3
Delta R.T. 0.025 min
Lab File: VV039506.D
Acq: 09 Dec 2025 16:03

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM

Tgt Ion: 65 Resp: 1954

Ion	Ratio	Lower	Upper
65	100		
67	53.1	32.5	60.3
51	40.8	121.4	225.6#

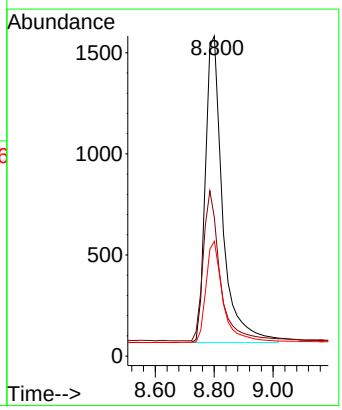


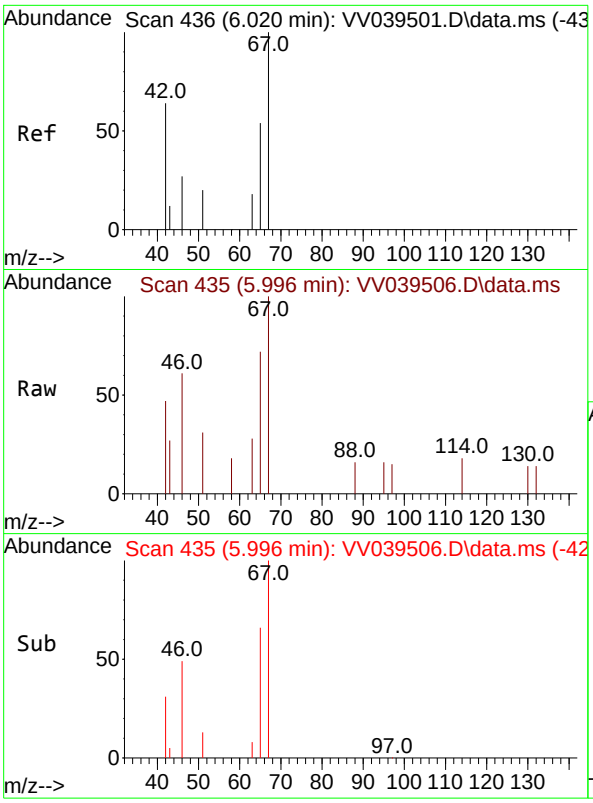


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039506.D
Acq: 09 Dec 2025 16:03

Tgt Ion:117 Resp: 6167

Ion	Ratio	Lower	Upper
117	100		
82	47.6	39.4	59.2
119	32.5	26.2	39.2



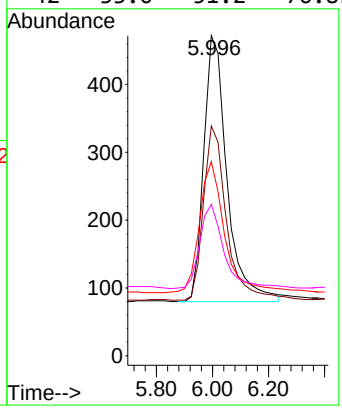


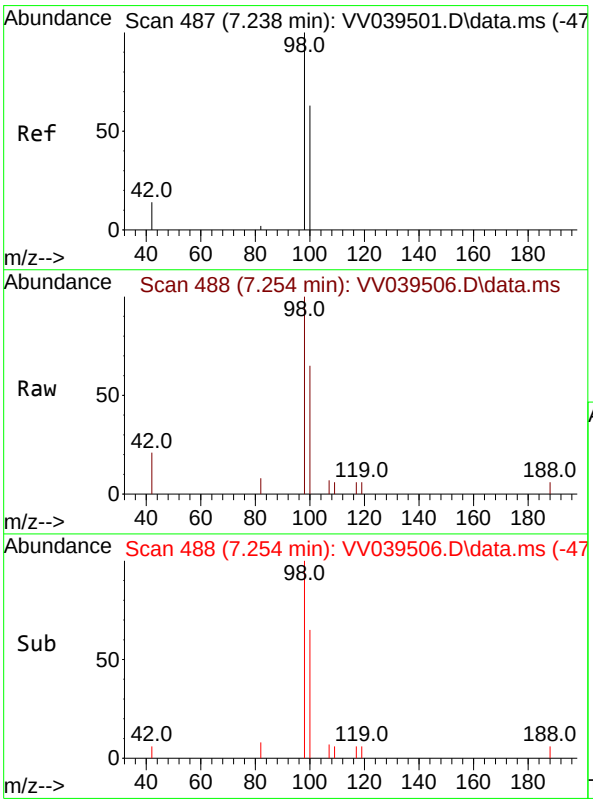
#7
1,2-Dichloropropane-d6
Concen: 0.434 ug/L
RT: 5.996 min Scan# 4
Delta R.T. -0.023 min
Lab File: VV039506.D
Acq: 09 Dec 2025 16:03

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM

Tgt Ion: 67 Resp: 2259

Ion	Ratio	Lower	Upper
67	100		
65	64.8	37.9	56.9#
46	53.0	27.4	41.0#
42	33.0	51.2	76.8#

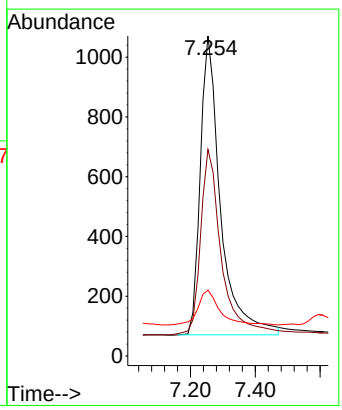


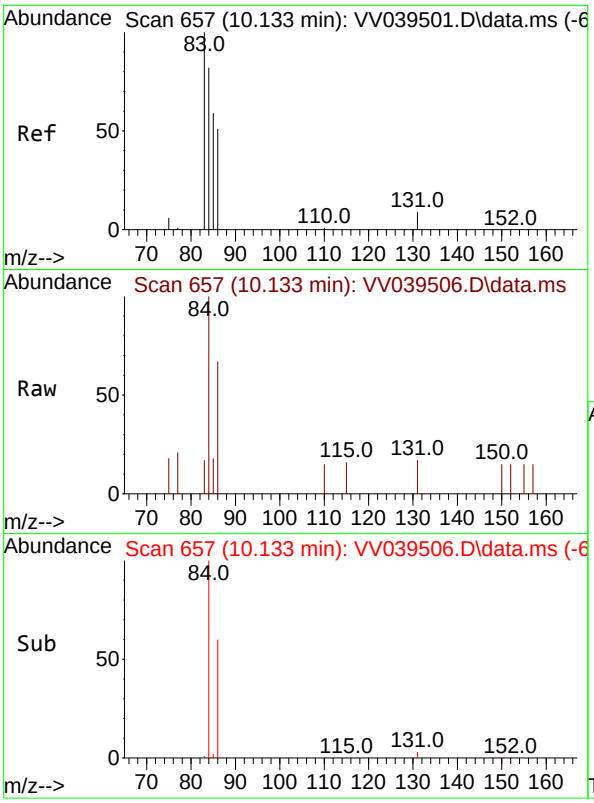


#8
Toluene-d8
Concen: 0.493 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039506.D
Acq: 09 Dec 2025 16:03

Tgt Ion: 98 Resp: 4324

Ion	Ratio	Lower	Upper
98	100		
100	63.0	44.5	82.7
42	12.5	10.1	18.7



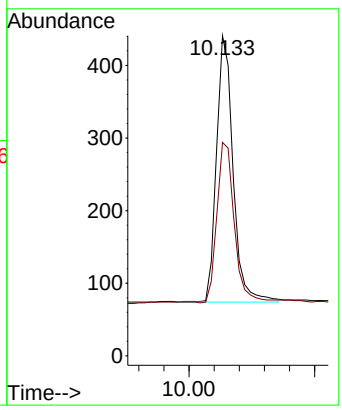


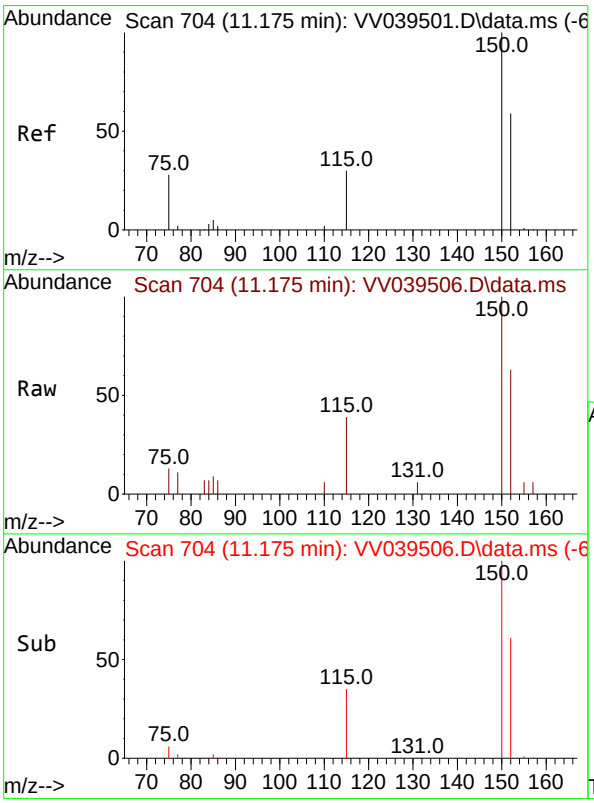
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.575 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039506.D
Acq: 09 Dec 2025 16:03

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM

Tgt Ion: 84 Resp: 1687

Ion	Ratio	Lower	Upper
84	100		
86	63.1	44.4	82.5

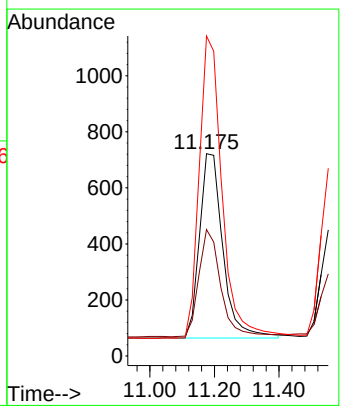




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.175 min Scan# 704
Delta R.T. 0.000 min
Lab File: VV039506.D
Acq: 09 Dec 2025 16:03

Tgt Ion:152 Resp: 3302

Ion	Ratio	Lower	Upper
152	100		
115	54.6	0.0	101.6
150	160.5	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039507.D
Acq On : 09 Dec 2025 16:24
Operator : SY/MD
Sample : Q3787-10
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM-FD

Quant Time: Dec 10 01:17:25 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

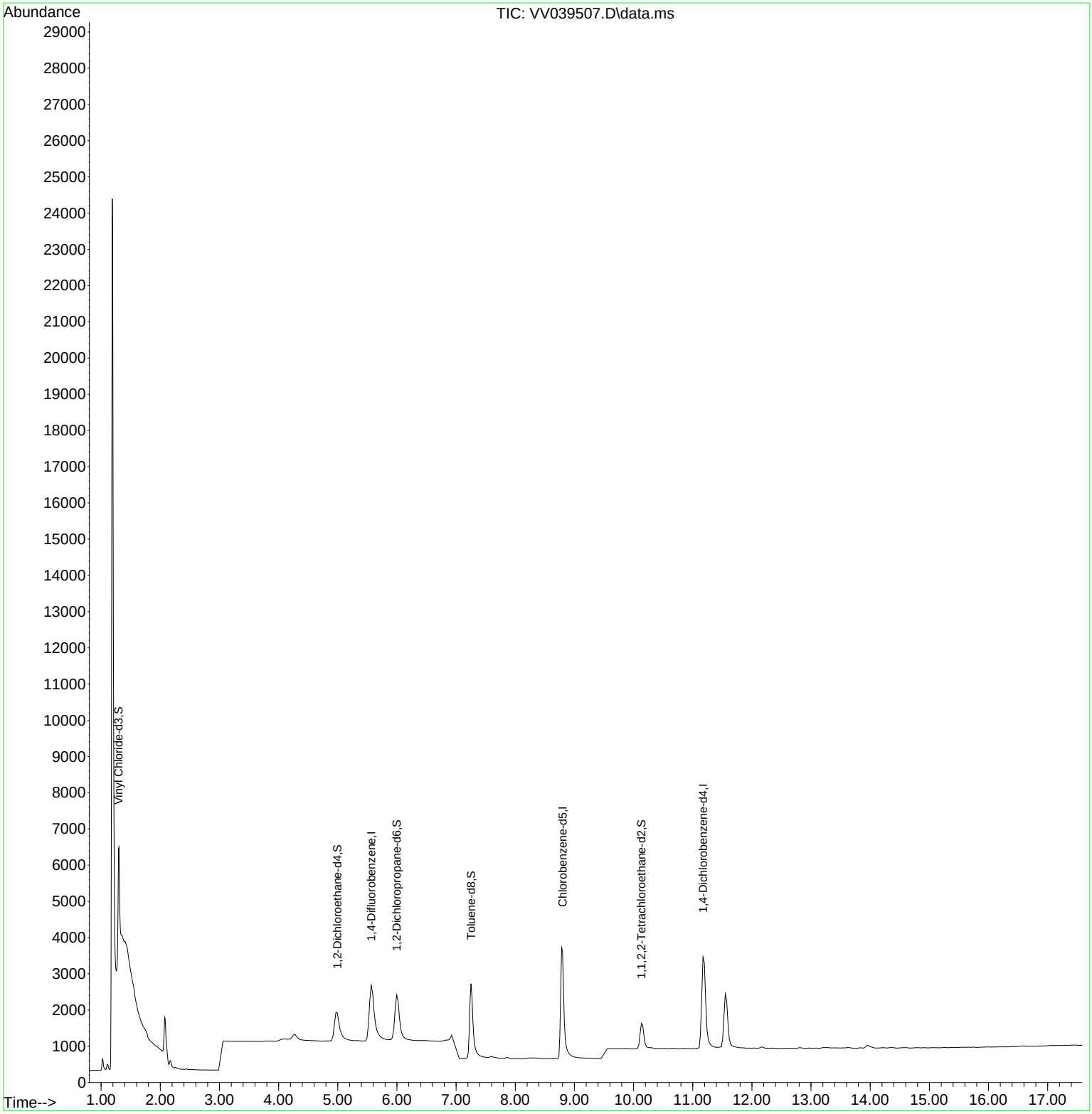
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6812	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6882	0.500	ug/L	0.01
12) 1,4-Dichlorobenzene-d4	11.175	152	3706	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	4318	0.646	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 130.000%			
4) 1,2-Dichloroethane-d4	4.993	65	2276	0.502	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 100.000%			
7) 1,2-Dichloropropane-d6	5.995	67	2643	0.455	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 92.000%			
8) Toluene-d8	7.253	98	5014	0.512	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 102.000%			
10) 1,1,2,2-Tetrachloroeth...	10.132	84	1940	0.593	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 118.000%			
Target Compounds						Qvalue

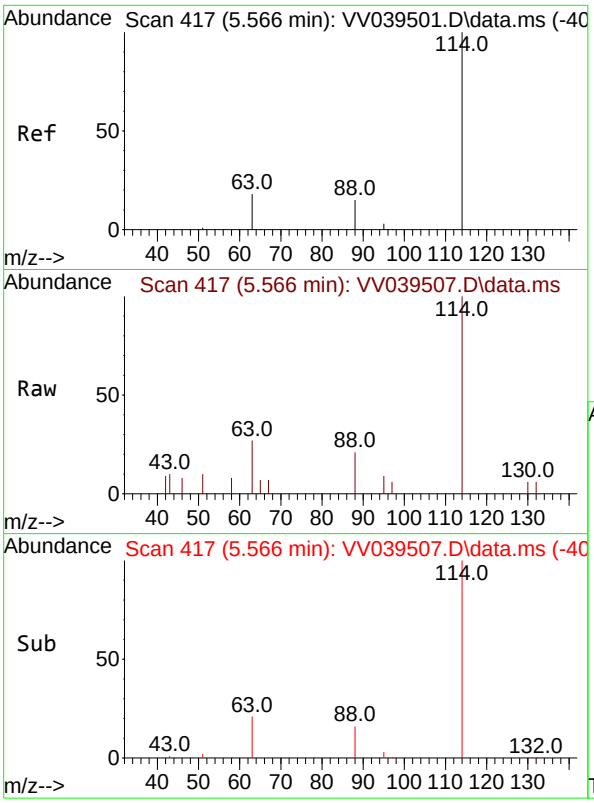
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039507.D
Acq On : 09 Dec 2025 16:24
Operator : SY/MD
Sample : Q3787-10
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM-FD

Quant Time: Dec 10 01:17:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration



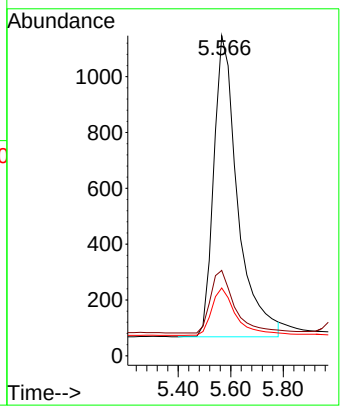


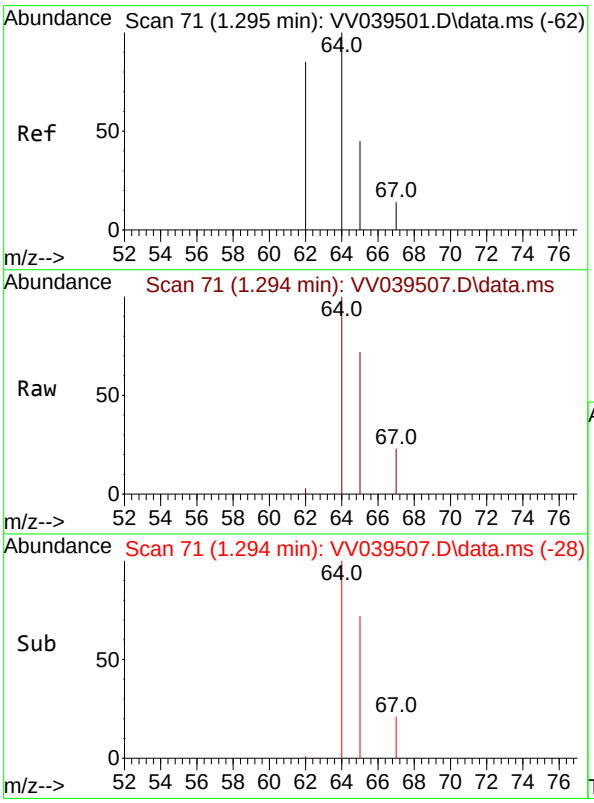
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM-FD

Tgt Ion:114 Resp: 6812

Ion	Ratio	Lower	Upper
114	100		
63	20.7	15.0	22.4
88	15.9	12.0	18.0

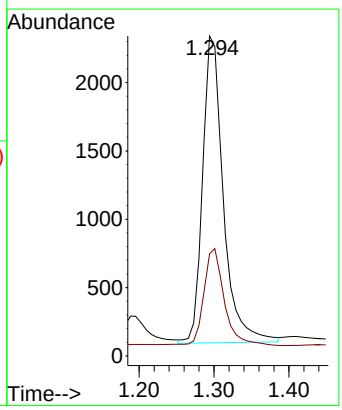


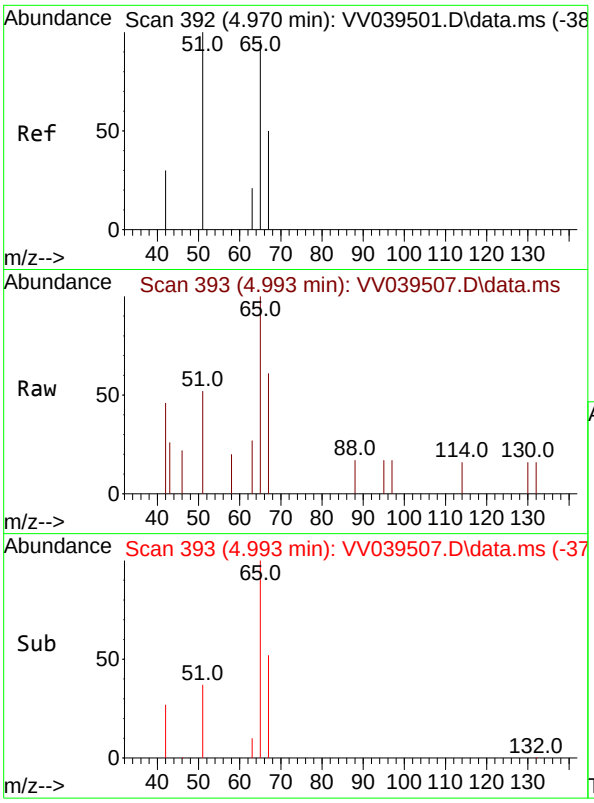


#2
Vinyl Chloride-d3
Concen: 0.646 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

Tgt Ion: 65 Resp: 4318

Ion	Ratio	Lower	Upper
65	100		
67	31.5	22.3	41.5



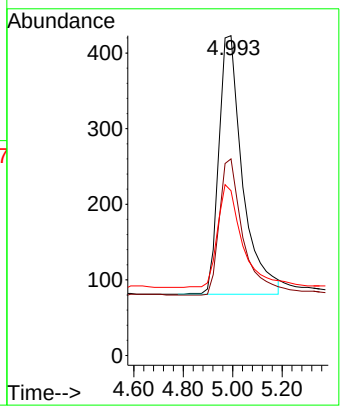


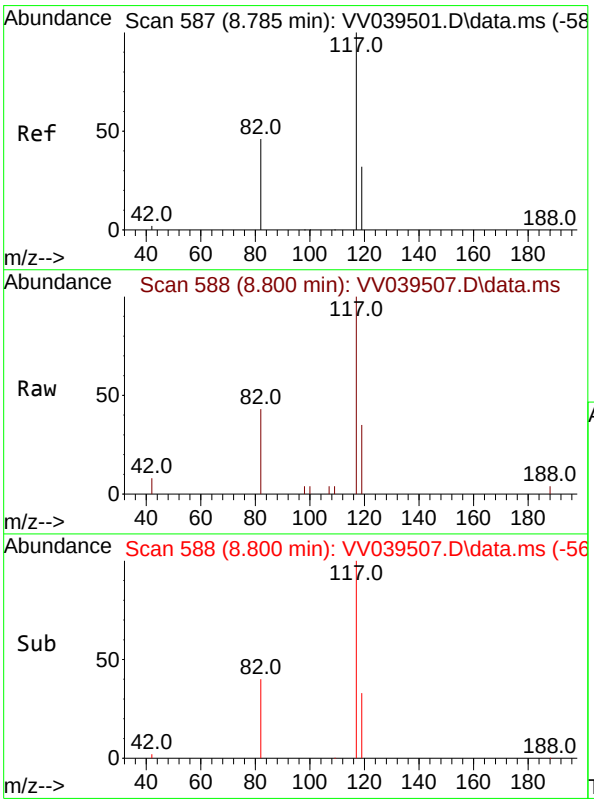
#4
1,2-Dichloroethane-d4
Concen: 0.502 ug/L
RT: 4.993 min Scan# 3
Delta R.T. 0.024 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM-FD

Tgt Ion: 65 Resp: 2276

Ion	Ratio	Lower	Upper
65	100		
67	52.1	32.5	60.3
51	40.9	121.4	225.6#

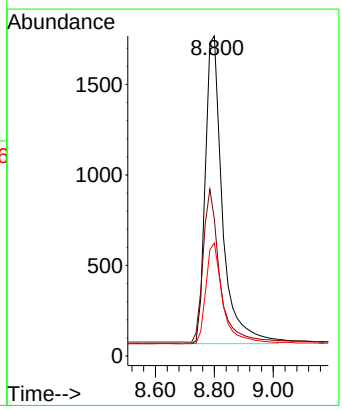


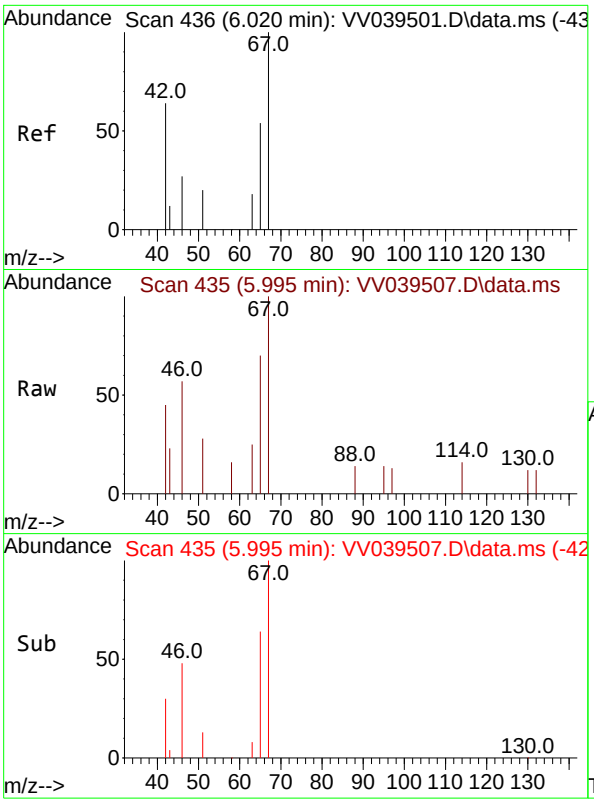


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

Tgt Ion:117 Resp: 6882

Ion	Ratio	Lower	Upper
117	100		
82	47.8	39.4	59.2
119	32.7	26.2	39.2



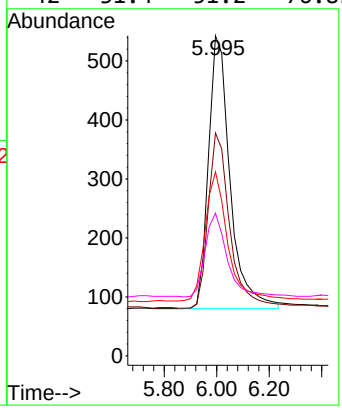


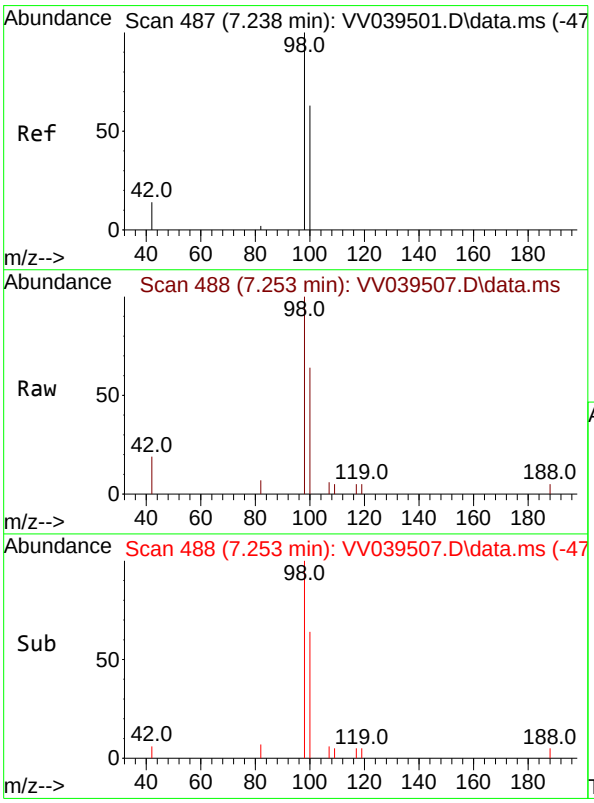
#7
1,2-Dichloropropane-d6
Concen: 0.455 ug/L
RT: 5.995 min Scan# 4
Delta R.T. -0.024 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM-FD

Tgt Ion: 67 Resp: 2643

Ion	Ratio	Lower	Upper
67	100		
65	64.5	37.9	56.9#
46	49.7	27.4	41.0#
42	31.4	51.2	76.8#

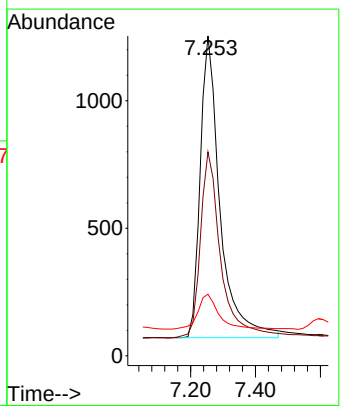


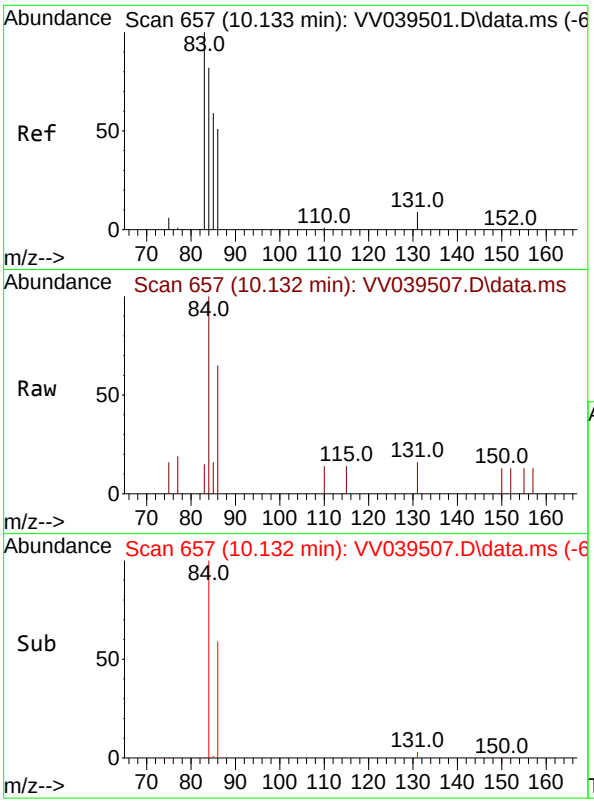


#8
Toluene-d8
Concen: 0.512 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

Tgt Ion: 98 Resp: 5014

Ion	Ratio	Lower	Upper
98	100		
100	63.1	44.5	82.7
42	12.2	10.1	18.7



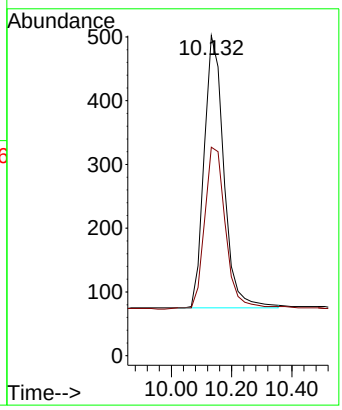


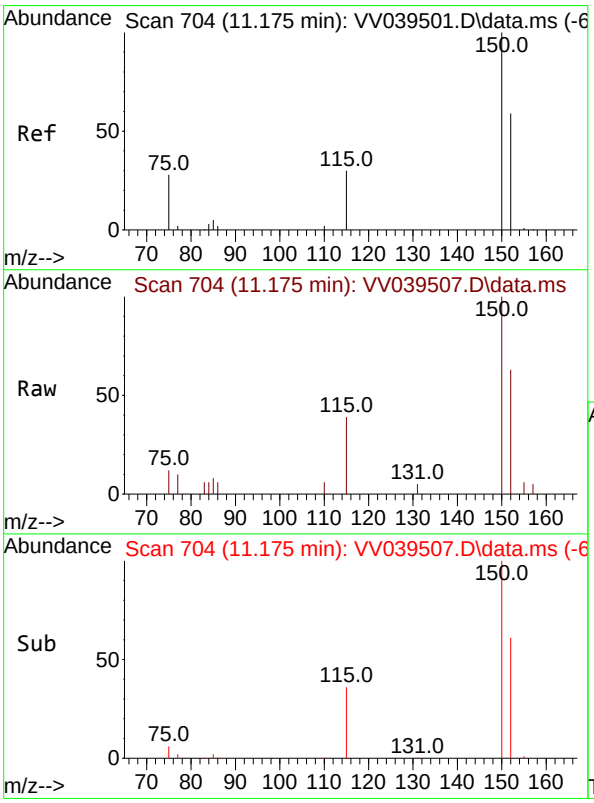
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.593 ug/L
RT: 10.132 min Scan# 6
Delta R.T. -0.001 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM-FD

Tgt Ion: 84 Resp: 1940

Ion	Ratio	Lower	Upper
84	100		
86	63.5	44.4	82.5

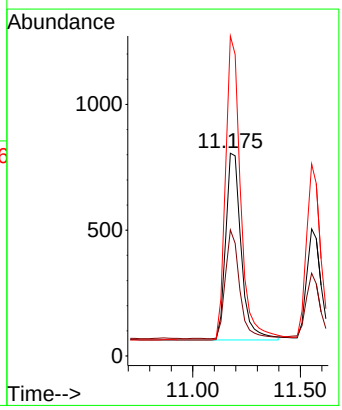




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.175 min Scan# 704
Delta R.T. -0.000 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

Tgt Ion:152 Resp: 3706

Ion	Ratio	Lower	Upper
152	100		
115	54.1	0.0	101.6
150	157.9	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039508.D
Acq On : 09 Dec 2025 16:45
Operator : SY/MD
Sample : Q3787-12
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM

Quant Time: Dec 10 01:17:36 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

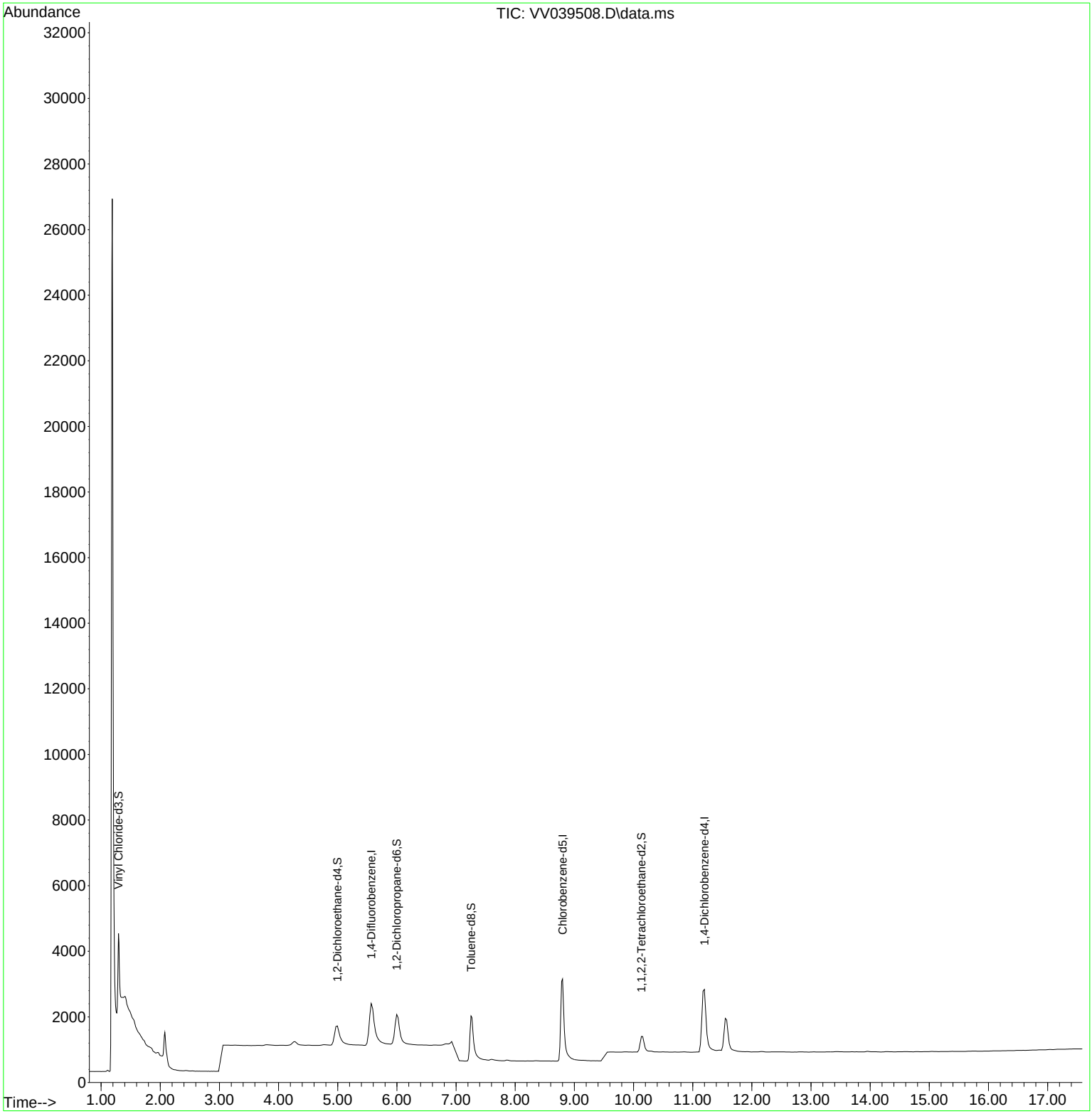
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	5747	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5849	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3001	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3153	0.559	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 112.000%			
4) 1,2-Dichloroethane-d4	4.993	65	1739	0.454	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 90.000%			
7) 1,2-Dichloropropane-d6	5.995	67	2006	0.406	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 82.000%			
8) Toluene-d8	7.253	98	3685	0.443	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 88.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1439	0.517	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 104.000%			
Target Compounds						Qvalue

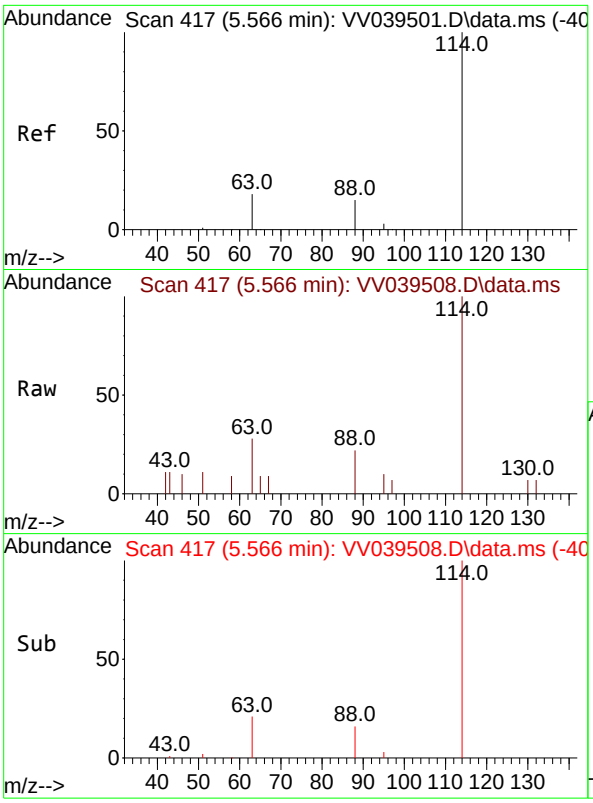
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039508.D
Acq On : 09 Dec 2025 16:45
Operator : SY/MD
Sample : Q3787-12
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM

Quant Time: Dec 10 01:17:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration



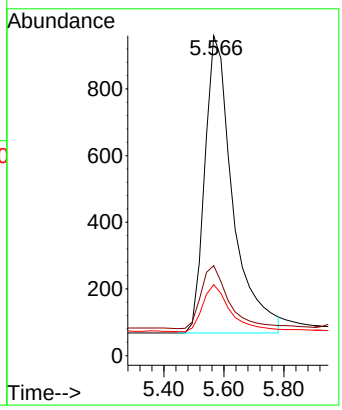


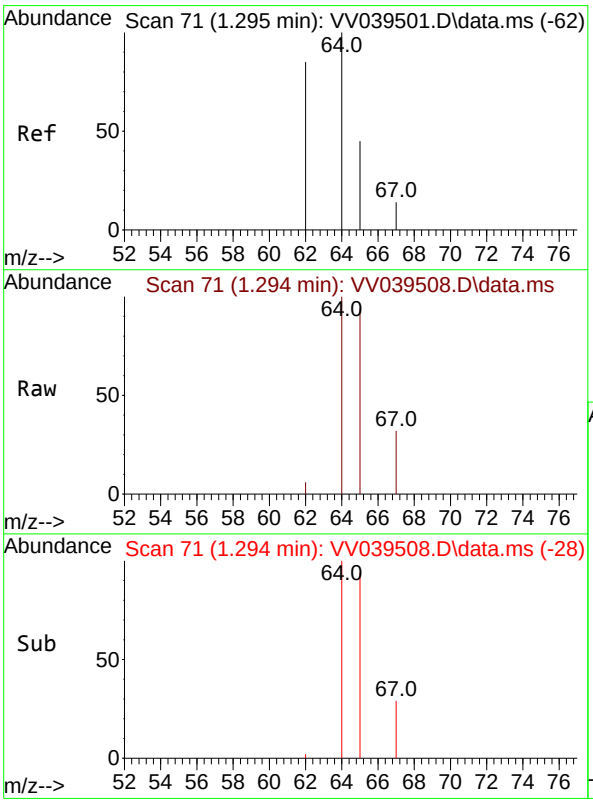
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM

Tgt Ion:114 Resp: 5747

Ion	Ratio	Lower	Upper
114	100		
63	21.1	15.0	22.4
88	15.9	12.0	18.0

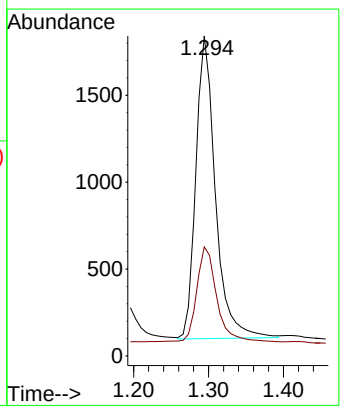


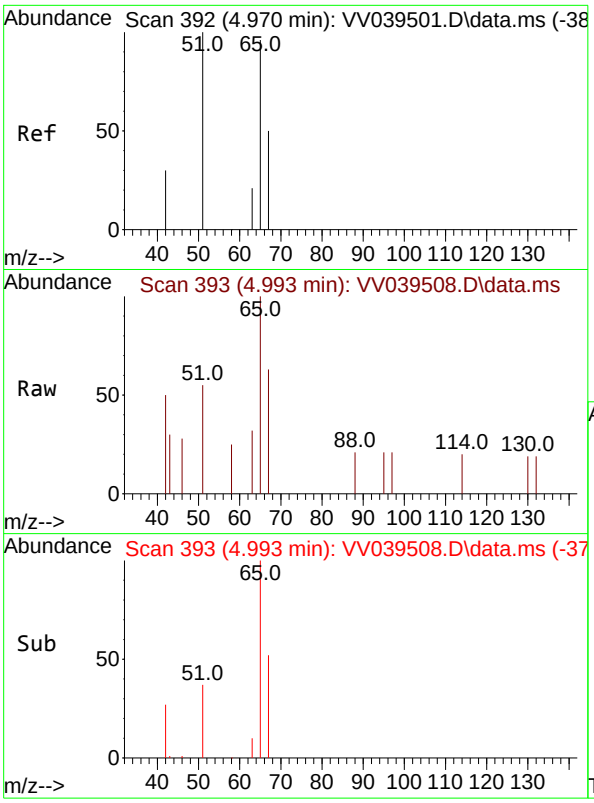


#2
Vinyl Chloride-d3
Concen: 0.559 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

Tgt Ion: 65 Resp: 3153

Ion	Ratio	Lower	Upper
65	100		
67	33.0	22.3	41.5



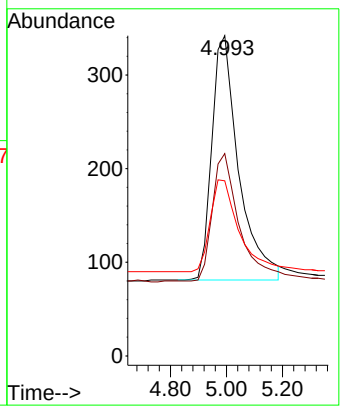


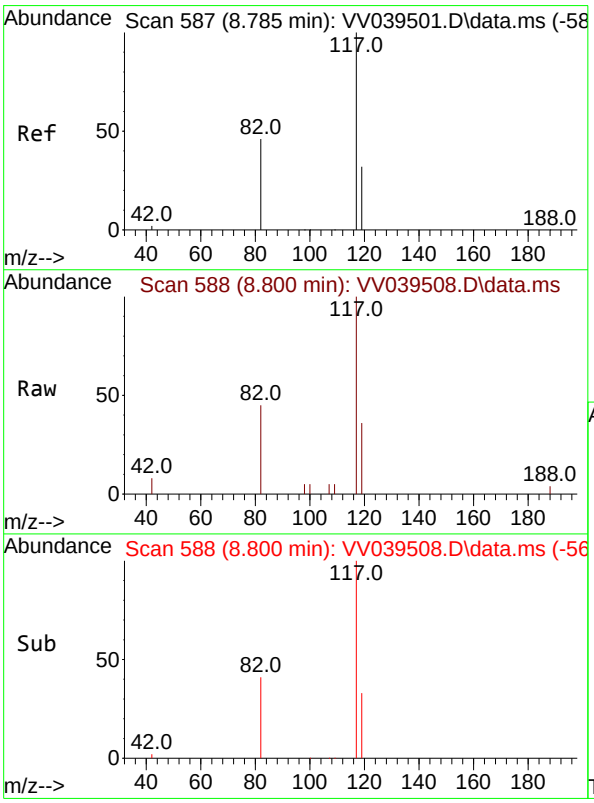
#4
1,2-Dichloroethane-d4
Concen: 0.454 ug/L
RT: 4.993 min Scan# 3
Delta R.T. 0.024 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM

Tgt Ion: 65 Resp: 1739

Ion	Ratio	Lower	Upper
65	100		
67	52.1	32.5	60.3
51	39.7	121.4	225.6#

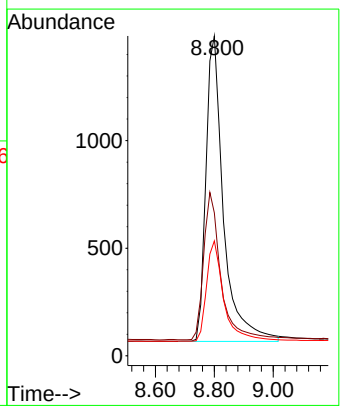


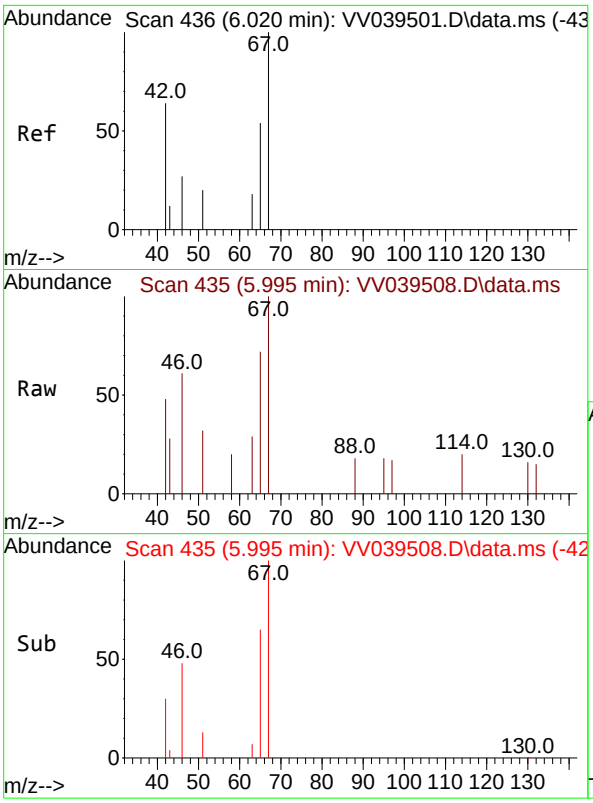


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

Tgt Ion:117 Resp: 5849

Ion	Ratio	Lower	Upper
117	100		
82	47.6	39.4	59.2
119	32.4	26.2	39.2



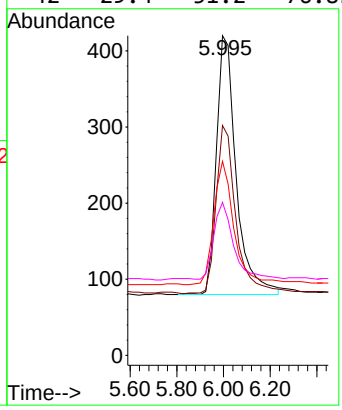


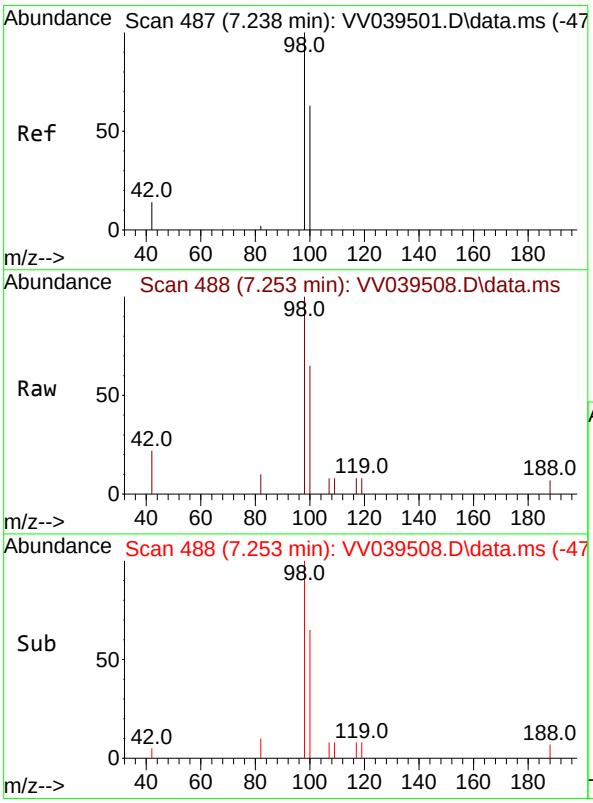
#7
1,2-Dichloropropane-d6
Concen: 0.406 ug/L
RT: 5.995 min Scan# 4
Delta R.T. -0.024 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM

Tgt Ion: 67 Resp: 2006

Ion	Ratio	Lower	Upper
67	100		
65	64.7	37.9	56.9#
46	48.4	27.4	41.0#
42	29.4	51.2	76.8#

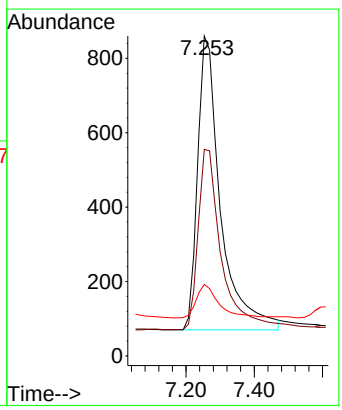


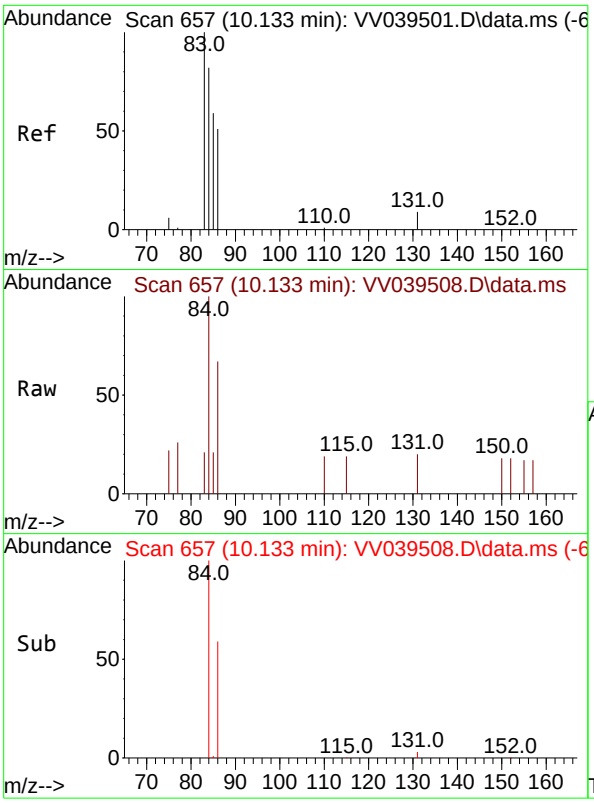


#8
Toluene-d8
Concen: 0.443 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

Tgt Ion: 98 Resp: 3685

Ion	Ratio	Lower	Upper
98	100		
100	61.8	44.5	82.7
42	11.2	10.1	18.7



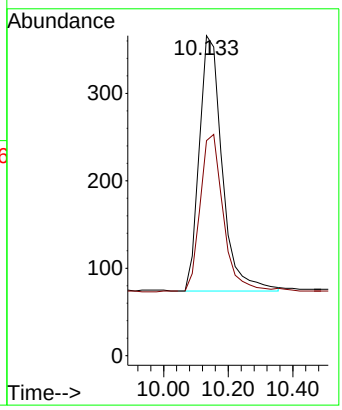


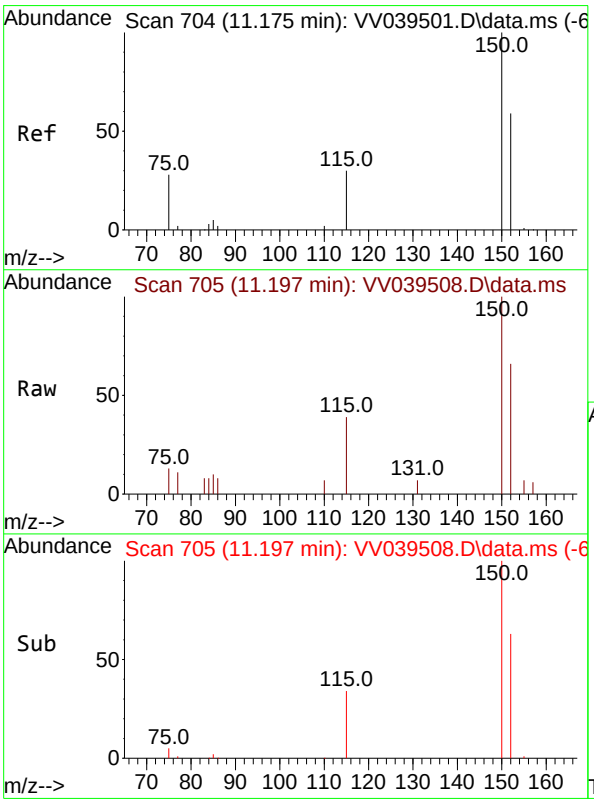
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.517 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM

Tgt Ion: 84 Resp: 1439

Ion	Ratio	Lower	Upper
84	100		
86	62.6	44.4	82.5

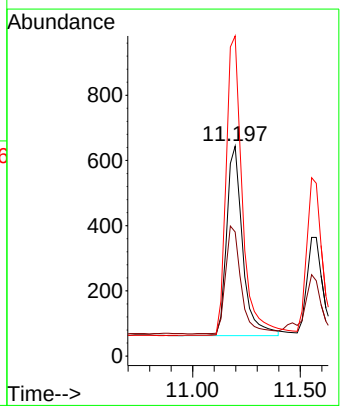




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

Tgt Ion:152 Resp: 3001

Ion	Ratio	Lower	Upper
152	100		
115	55.9	0.0	101.6
150	158.6	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039509.D
Acq On : 09 Dec 2025 17:06
Operator : SY/MD
Sample : Q3787-14
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM-FD

Quant Time: Dec 10 01:17:47 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

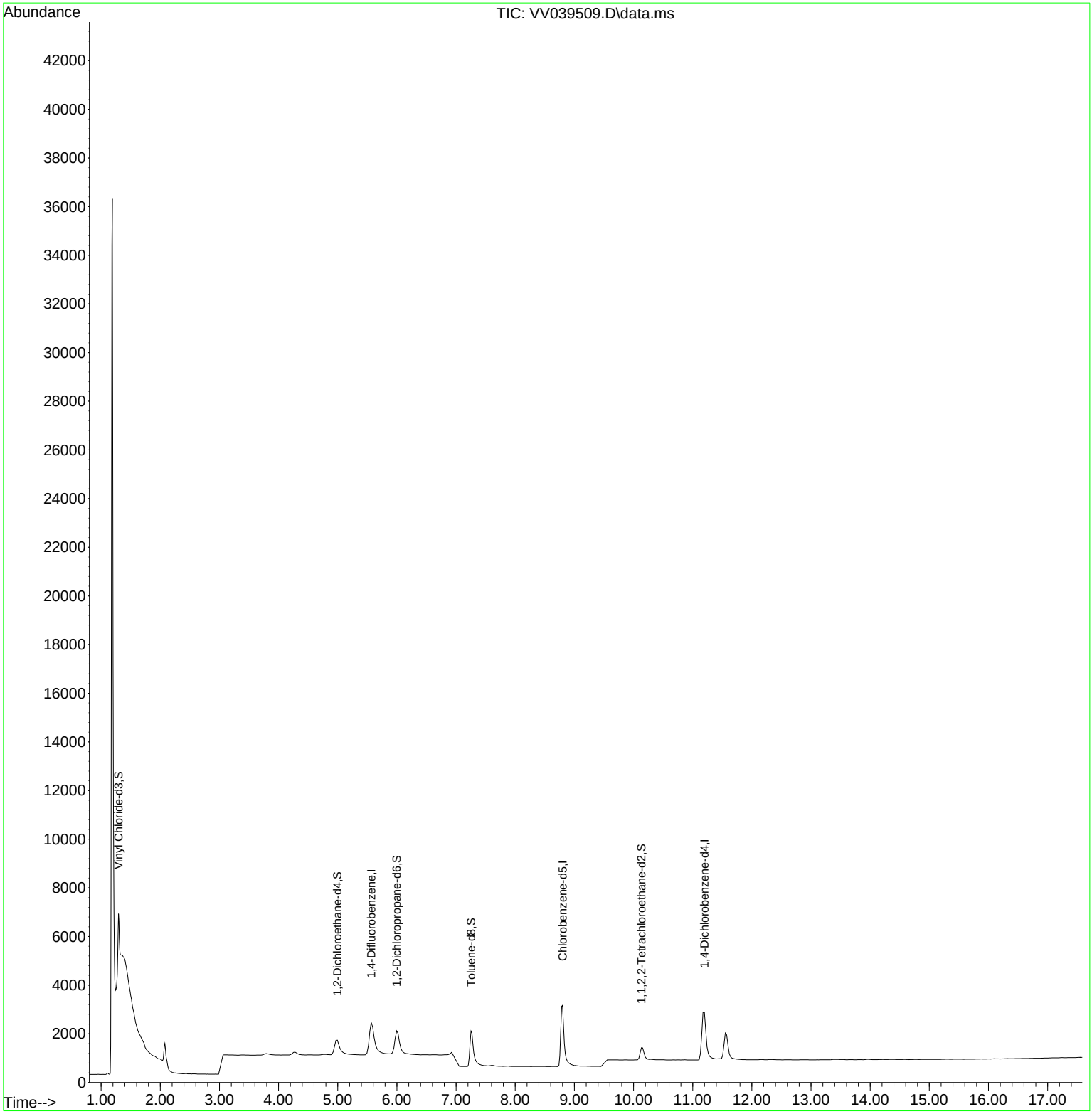
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	5914	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5873	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3089	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3608	0.621	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 124.000%			
4) 1,2-Dichloroethane-d4	4.993	65	1794	0.456	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 92.000%			
7) 1,2-Dichloropropane-d6	5.996	67	2059	0.416	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 84.000%			
8) Toluene-d8	7.254	98	3855	0.461	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 92.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1480	0.530	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 106.000%			
Target Compounds						Qvalue

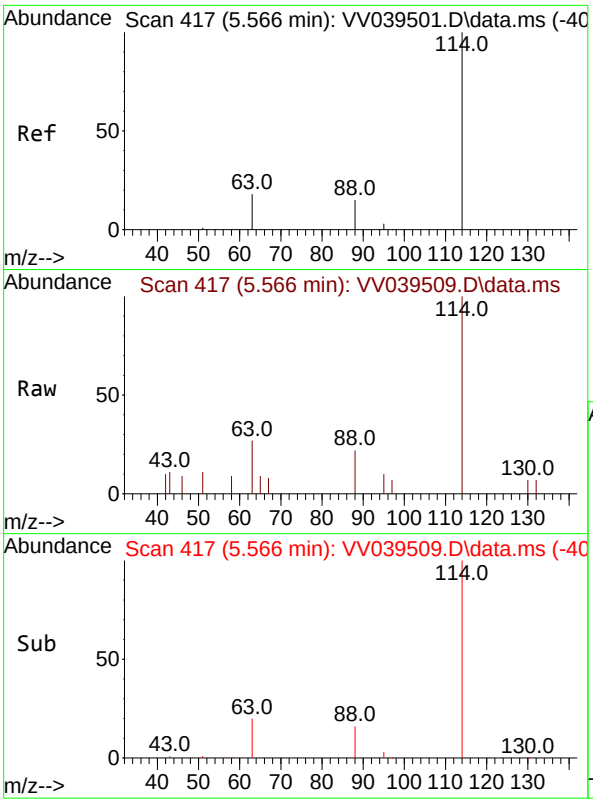
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039509.D
Acq On : 09 Dec 2025 17:06
Operator : SY/MD
Sample : Q3787-14
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM-FD

Quant Time: Dec 10 01:17:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration



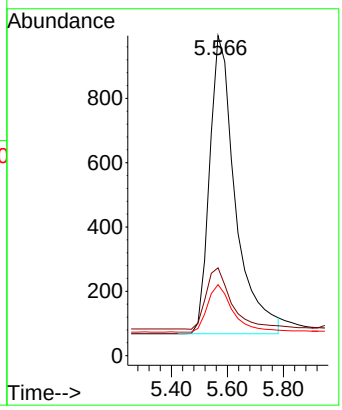


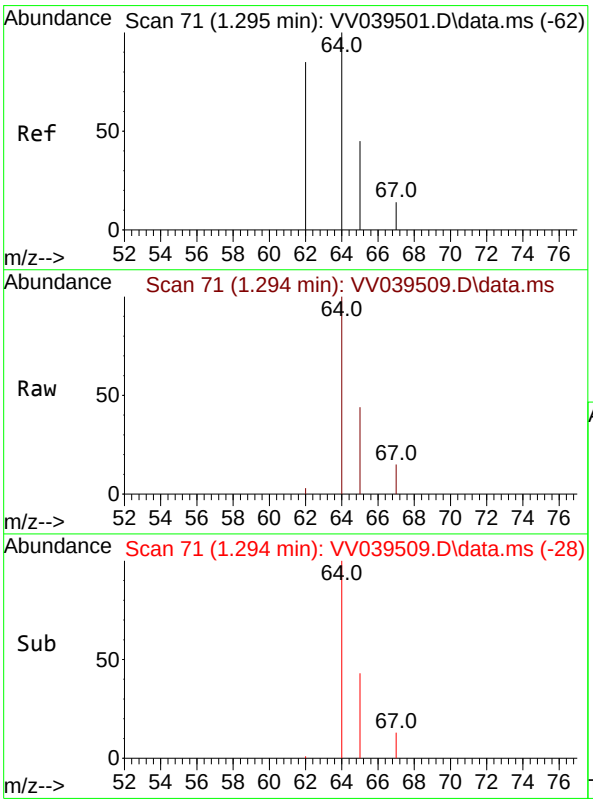
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM-FD

Tgt Ion:114 Resp: 5914

Ion	Ratio	Lower	Upper
114	100		
63	20.2	15.0	22.4
88	15.7	12.0	18.0

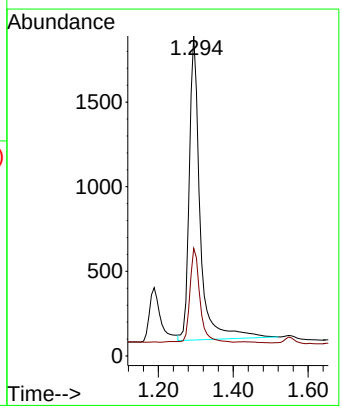


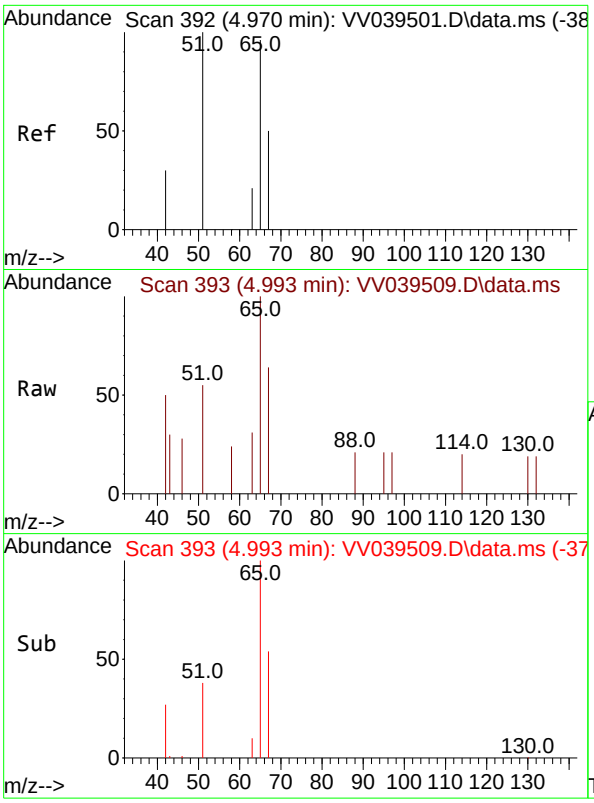


#2
Vinyl Chloride-d3
Concen: 0.621 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

Tgt Ion: 65 Resp: 3608

Ion	Ratio	Lower	Upper
65	100		
67	28.4	22.3	41.5



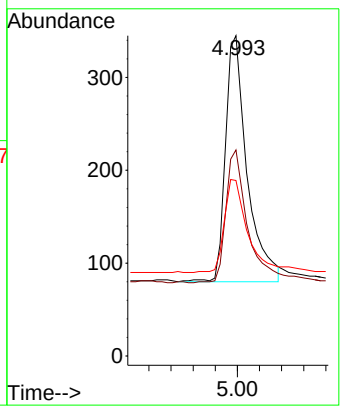


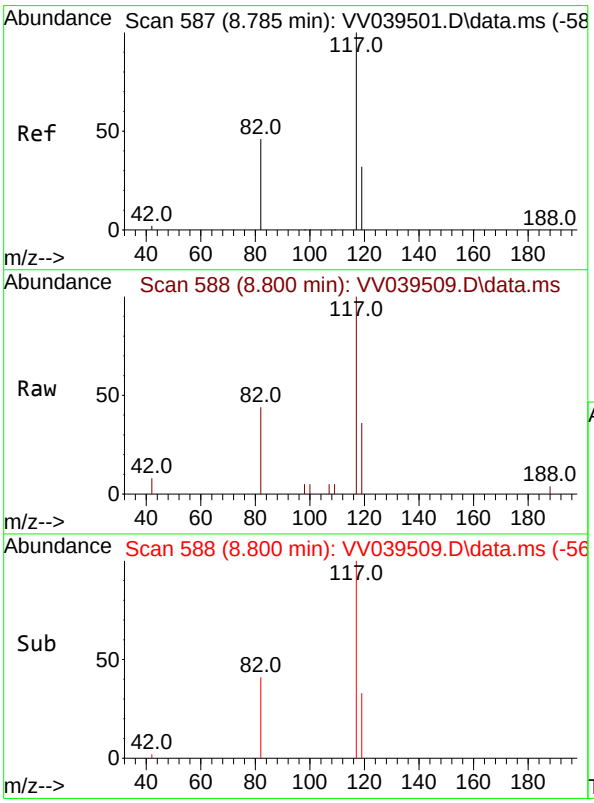
#4
1,2-Dichloroethane-d4
Concen: 0.456 ug/L
RT: 4.993 min Scan# 3
Delta R.T. 0.024 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM-FD

Tgt Ion: 65 Resp: 1794

Ion	Ratio	Lower	Upper
65	100		
67	53.6	32.5	60.3
51	39.7	121.4	225.6#

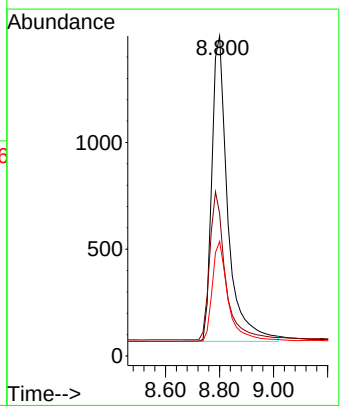


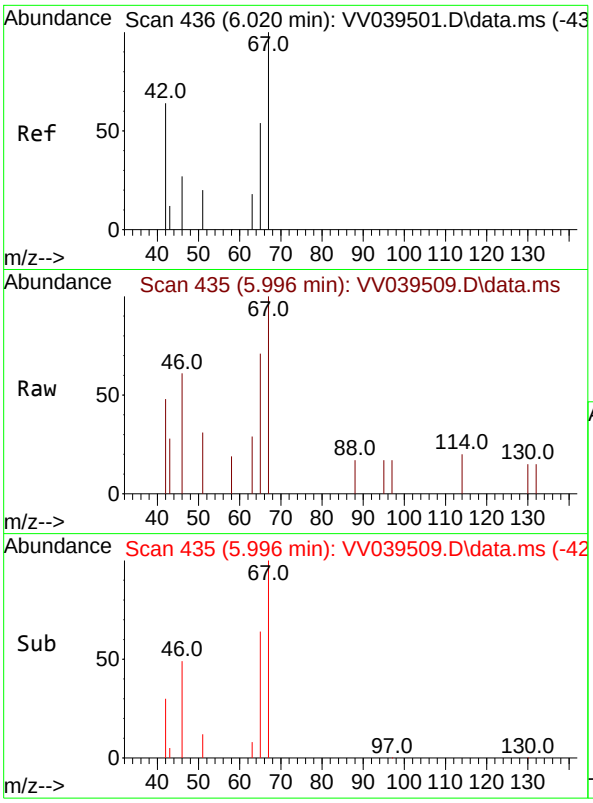


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

Tgt Ion:117 Resp: 5873

Ion	Ratio	Lower	Upper
117	100		
82	48.3	39.4	59.2
119	32.8	26.2	39.2



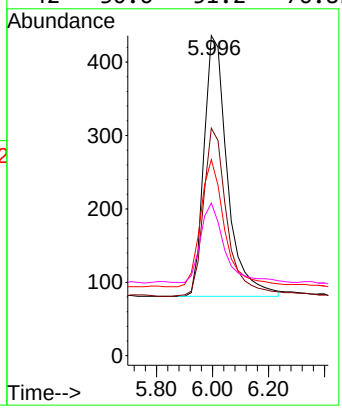


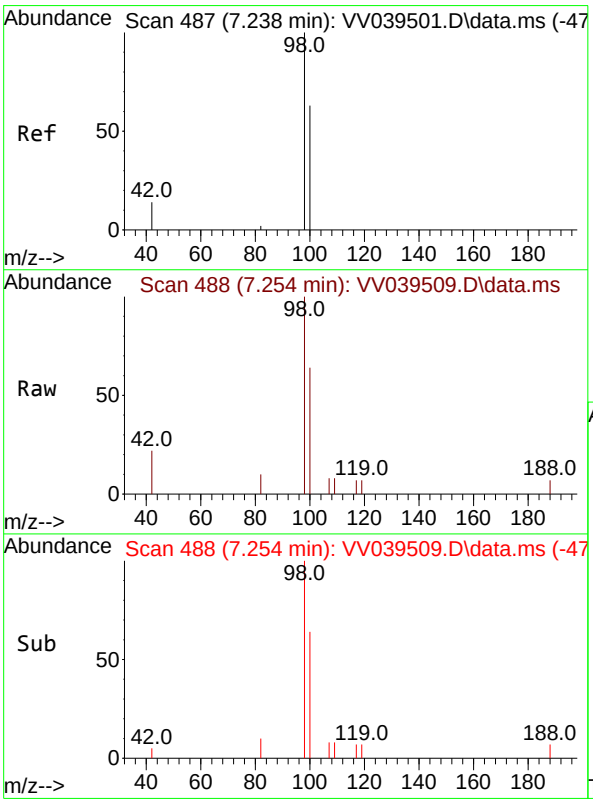
#7
1,2-Dichloropropane-d6
Concen: 0.416 ug/L
RT: 5.996 min Scan# 4
Delta R.T. -0.023 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM-FD

Tgt Ion: 67 Resp: 2059

Ion	Ratio	Lower	Upper
67	100		
65	65.1	37.9	56.9#
46	50.4	27.4	41.0#
42	30.6	51.2	76.8#

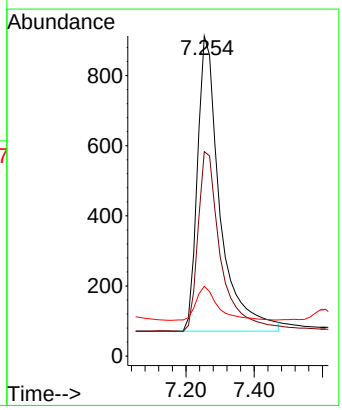


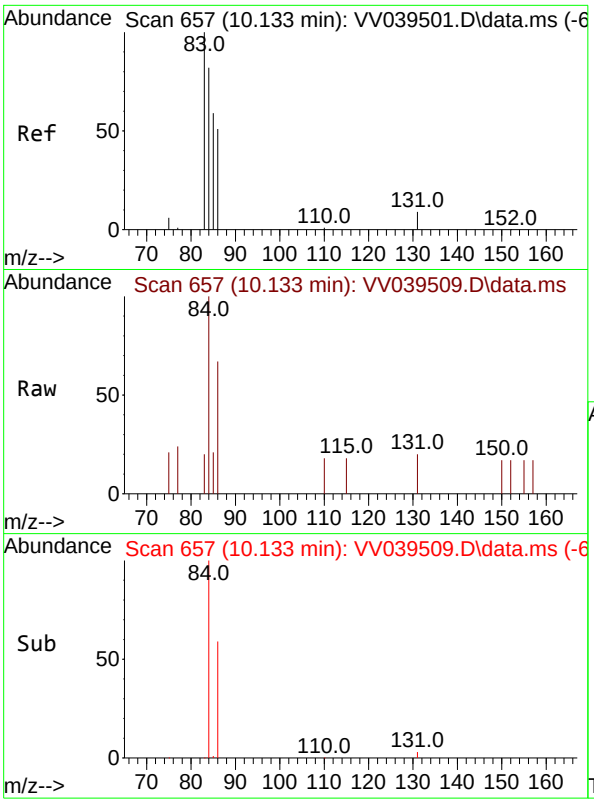


#8
Toluene-d8
Concen: 0.461 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

Tgt Ion: 98 Resp: 3855

Ion	Ratio	Lower	Upper
98	100		
100	62.0	44.5	82.7
42	11.1	10.1	18.7



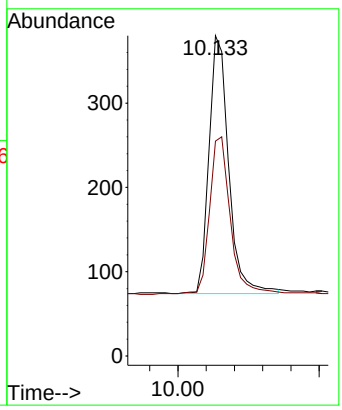


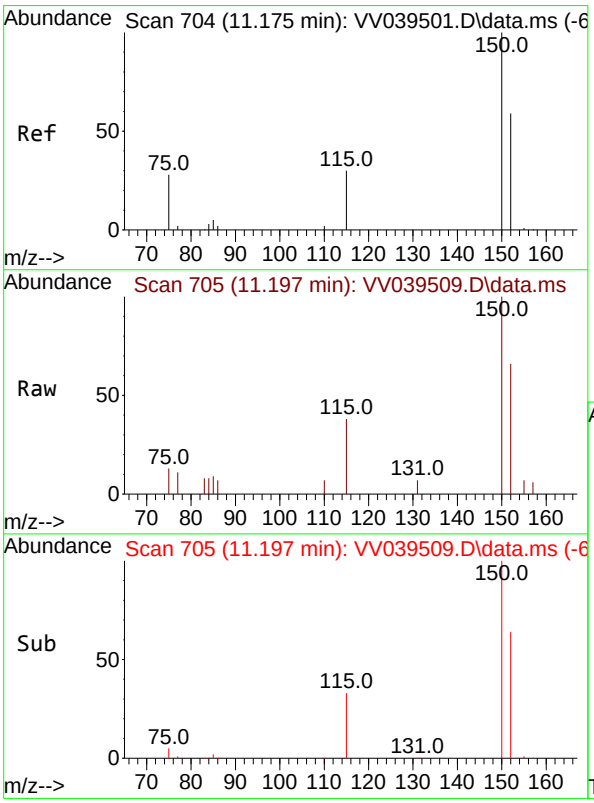
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.530 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM-FD

Tgt Ion: 84 Resp: 1480

Ion	Ratio	Lower	Upper
84	100		
86	64.8	44.4	82.5

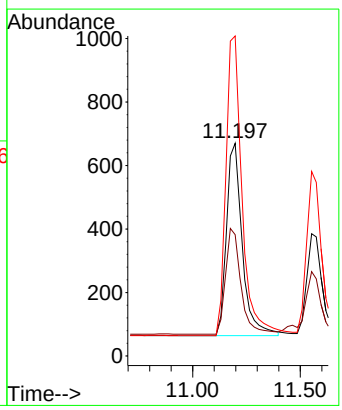




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

Tgt Ion:152 Resp: 3089

Ion	Ratio	Lower	Upper
152	100		
115	53.6	0.0	101.6
150	158.5	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039510.D
Acq On : 09 Dec 2025 17:27
Operator : SY/MD
Sample : Q3787-16
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 10 01:17:59 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

Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6729	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6569	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3453	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3797m	0.575	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 114.000%			
4) 1,2-Dichloroethane-d4	4.993	65	1999	0.446	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 90.000%			
7) 1,2-Dichloropropane-d6	5.996	67	2347	0.423	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 84.000%			
8) Toluene-d8	7.254	98	4406	0.471	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 94.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1655	0.530	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 106.000%			

Target Compounds Qvalue

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

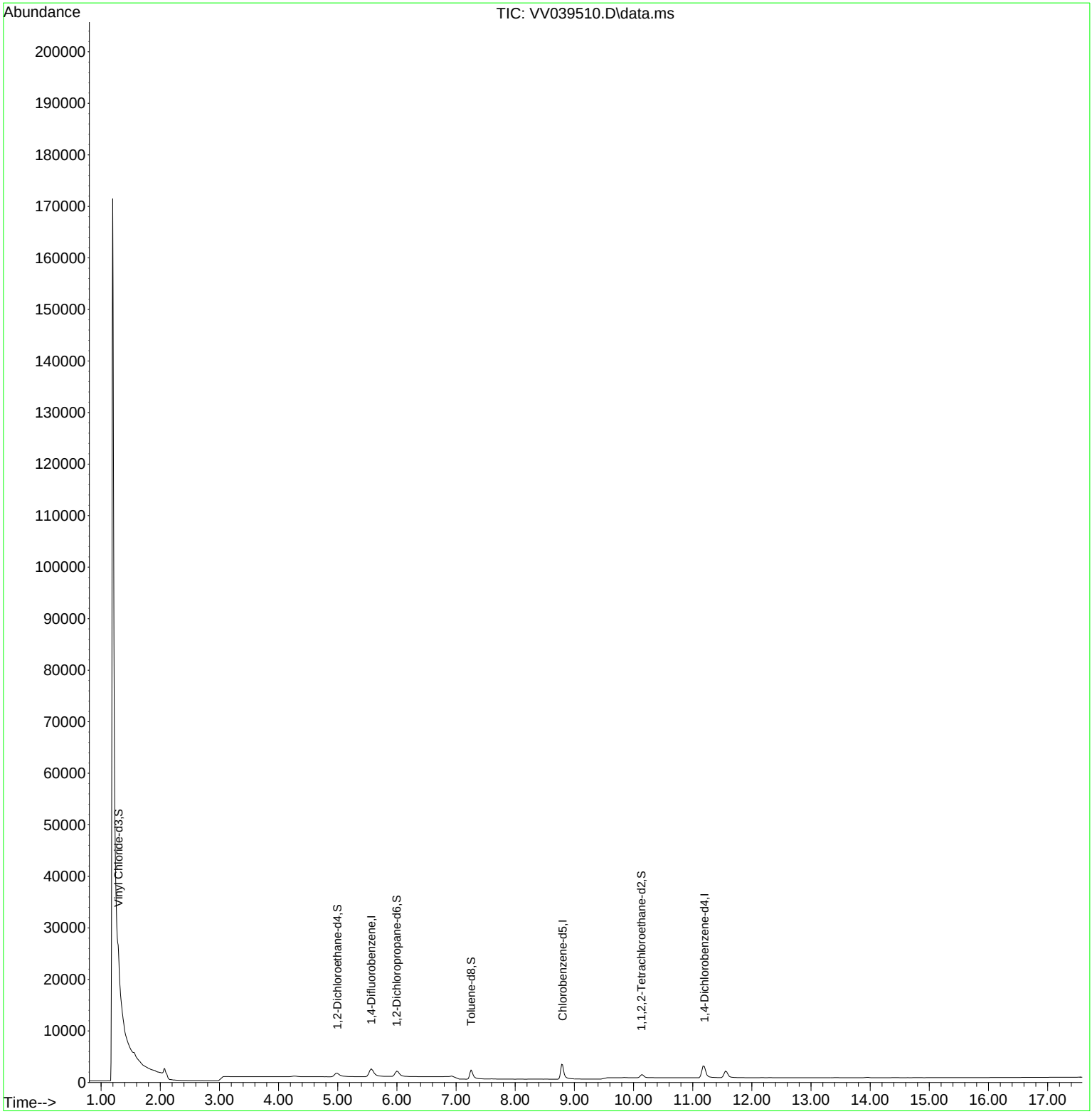
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039510.D
Acq On : 09 Dec 2025 17:27
Operator : SY/MD
Sample : Q3787-16
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

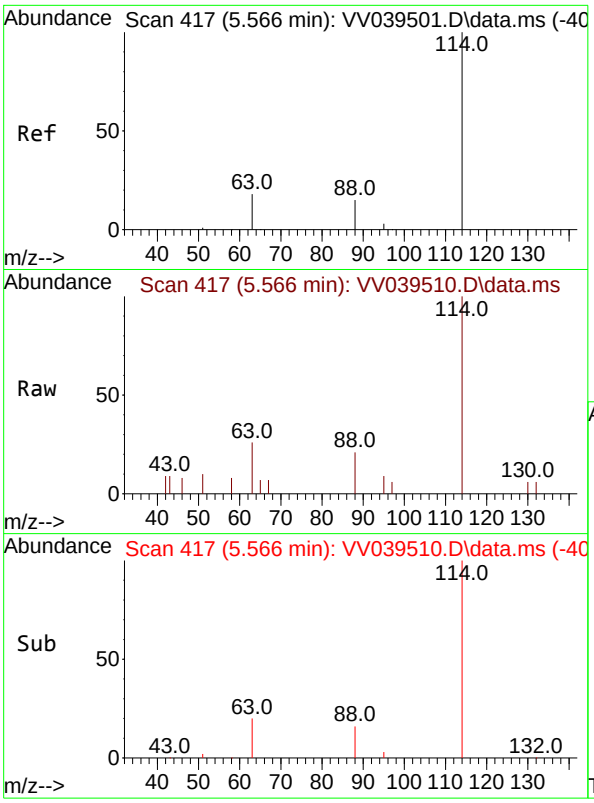
Quant Time: Dec 10 01:17:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM

Manual Integrations APPROVED

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

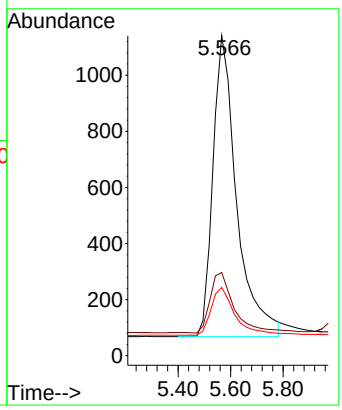




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 4
Delta R.T. 0.000 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

Tgt Ion:114 Resp: 672

Ion	Ratio	Lower	Upper
114	100		
63	19.9	15.0	22.4
88	15.8	12.0	18.0



Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2025
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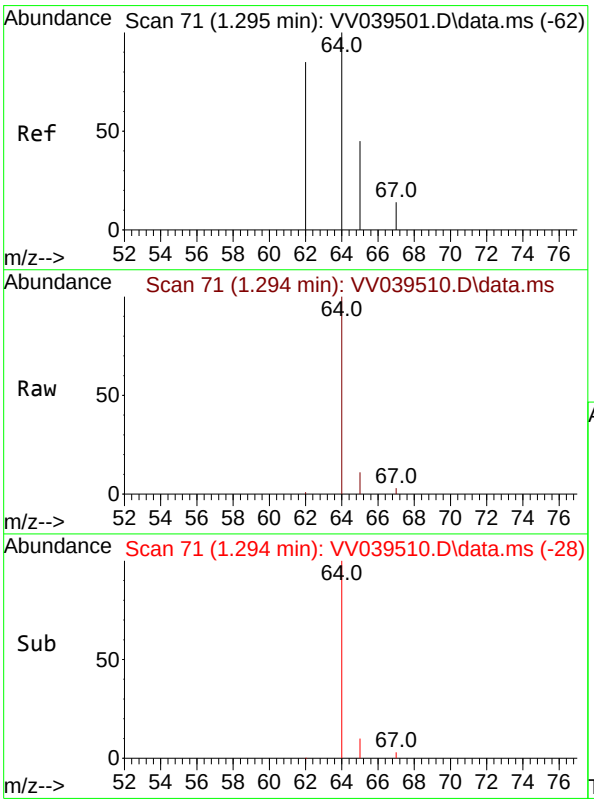
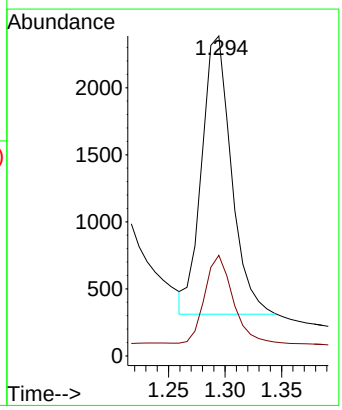
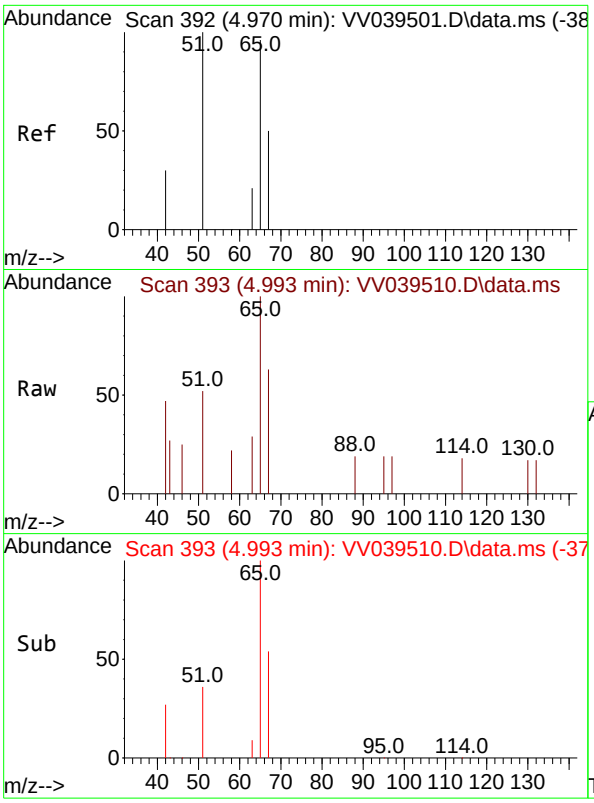


#2
Vinyl Chloride-d3
Concen: 0.575 ug/L m
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

Tgt Ion: 65 Resp: 3797

Ion	Ratio	Lower	Upper
65	100		
67	33.3	22.3	41.5

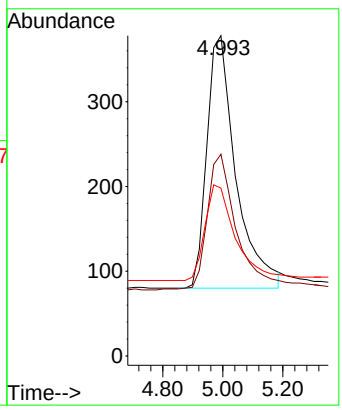




#4
1,2-Dichloroethane-d4
Concen: 0.446 ug/L
RT: 4.993 min Scan# 3
Delta R.T. 0.024 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

Tgt Ion: 65 Resp: 199

Ion	Ratio	Lower	Upper
65	100		
67	54.1	32.5	60.3
51	39.7	121.4	225.6#



Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2025
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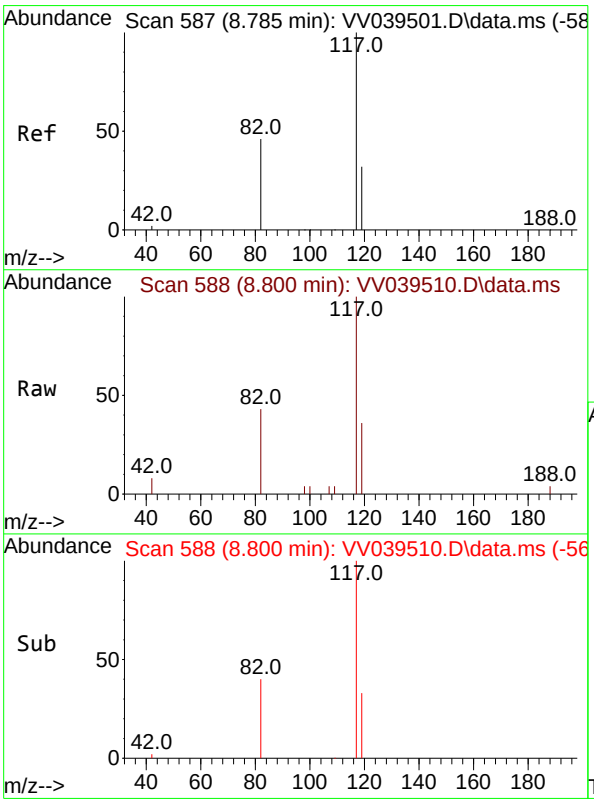
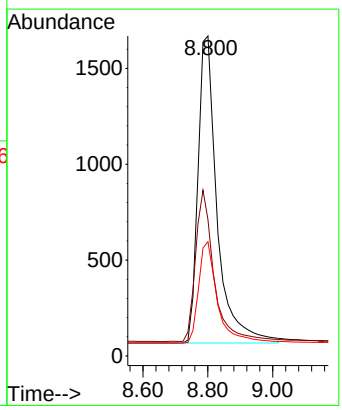
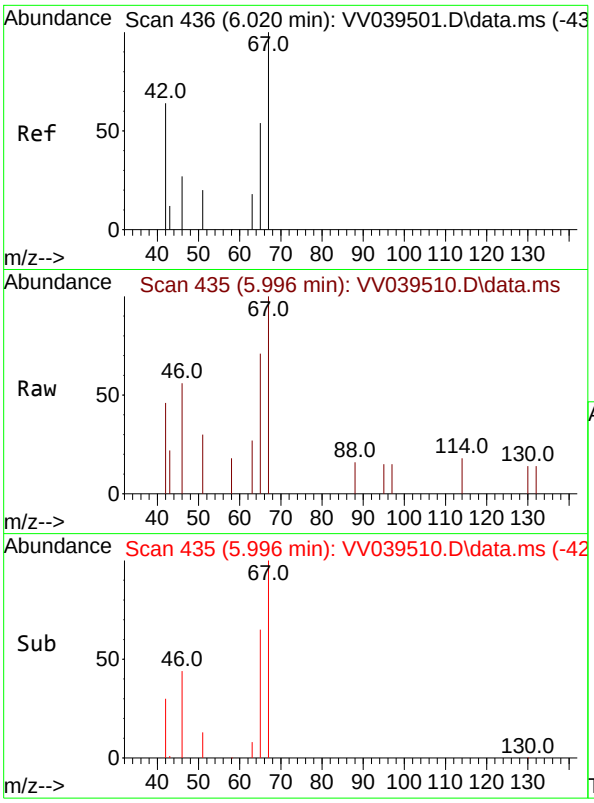


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

Tgt Ion:117 Resp: 6569

Ion	Ratio	Lower	Upper
117	100		
82	48.0	39.4	59.2
119	32.5	26.2	39.2

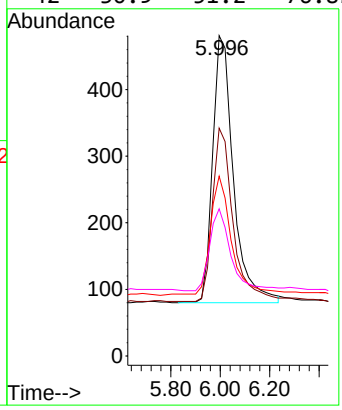




#7
1,2-Dichloropropane-d6
Concen: 0.423 ug/L
RT: 5.996 min Scan# 4
Delta R.T. -0.023 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

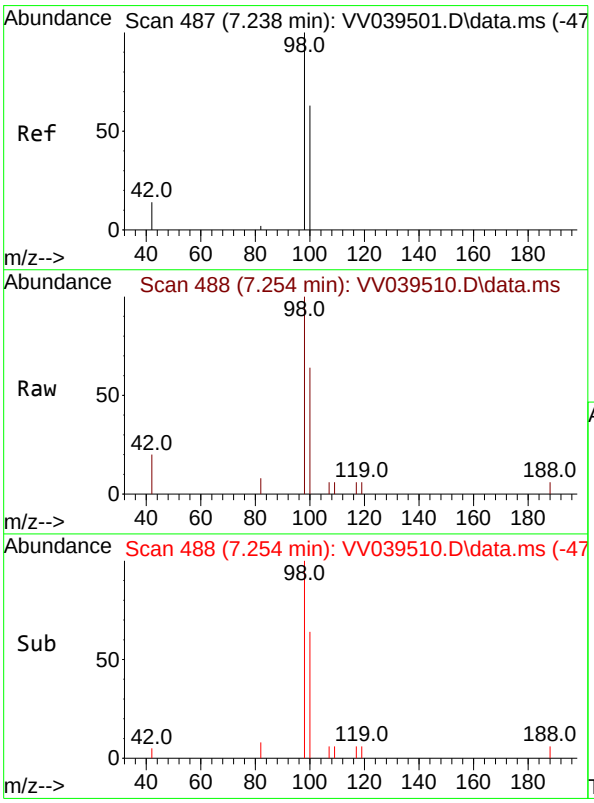
Tgt Ion: 67 Resp: 234

Ion	Ratio	Lower	Upper
67	100		
65	64.0	37.9	56.9#
46	43.8	27.4	41.0#
42	30.9	51.2	76.8#



Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM

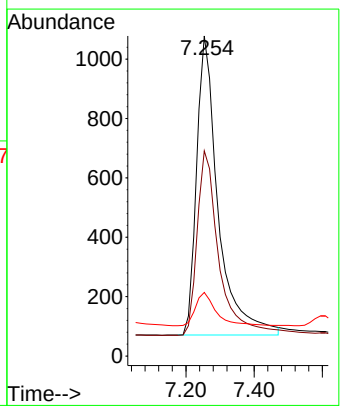
Manual Integrations APPROVED
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

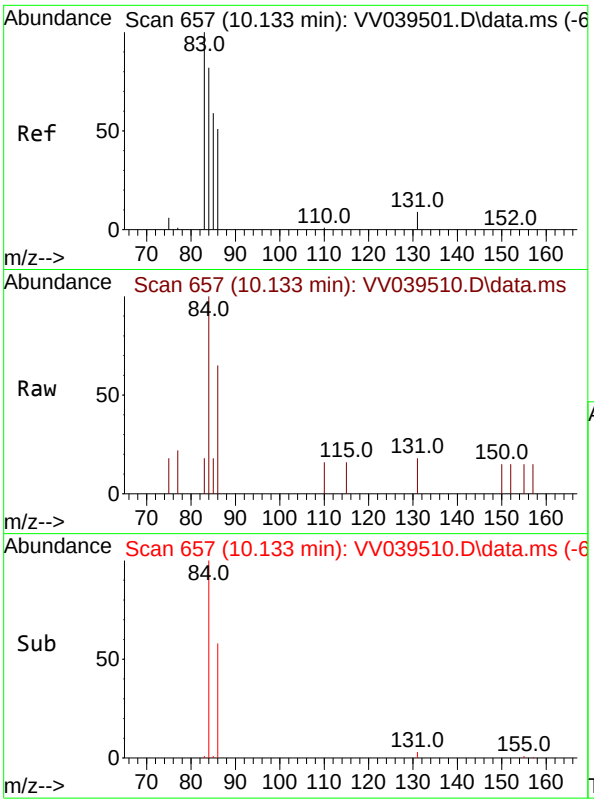


#8
Toluene-d8
Concen: 0.471 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

Tgt Ion: 98 Resp: 4406

Ion	Ratio	Lower	Upper
98	100		
100	62.3	44.5	82.7
42	10.7	10.1	18.7

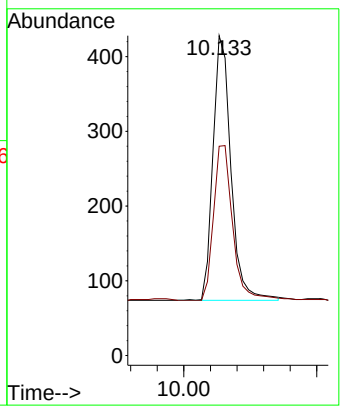




#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.530 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

Tgt Ion: 84 Resp: 165

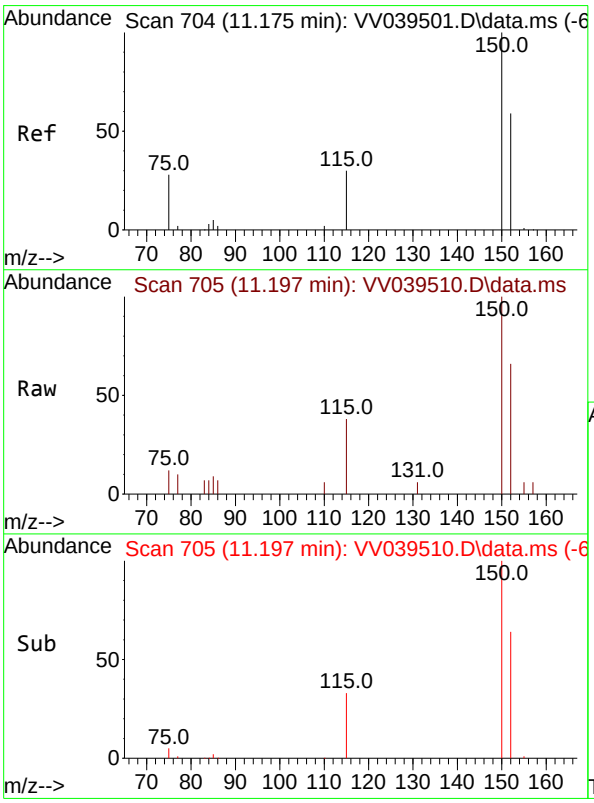
Ion	Ratio	Lower	Upper
84	100		
86	62.2	44.4	82.5



Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM

Manual Integrations
APPROVED

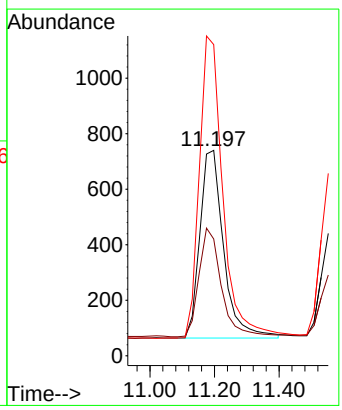
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

Tgt Ion:152 Resp: 3453

Ion	Ratio	Lower	Upper
152	100		
115	54.3	0.0	101.6
150	159.6	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039511.D
Acq On : 09 Dec 2025 17:48
Operator : SY/MD
Sample : Q3787-18
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 10 01:18:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM-FD

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7201	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	6889	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.197	152	3685	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.287	65	3606m	0.510	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 102.000%			
4) 1,2-Dichloroethane-d4	4.993	65	1983	0.414	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 82.000%			
7) 1,2-Dichloropropane-d6	5.996	67	2352	0.405	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 80.000%			
8) Toluene-d8	7.254	98	4431	0.452	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 90.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1617	0.494	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 98.000%			

Target Compounds Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039511.D
Acq On : 09 Dec 2025 17:48
Operator : SY/MD
Sample : Q3787-18
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 10 01:18:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM-FD

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2025
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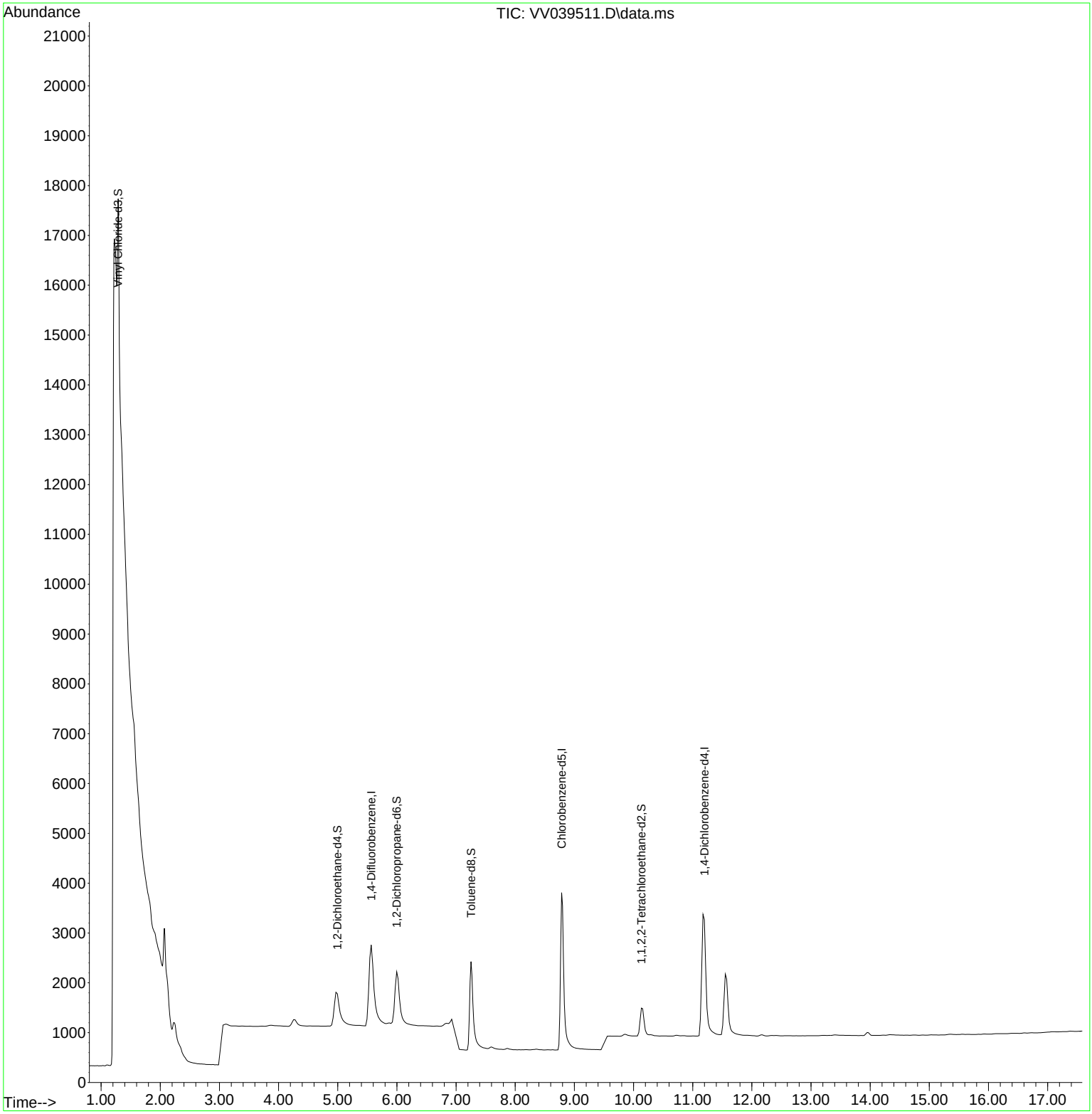
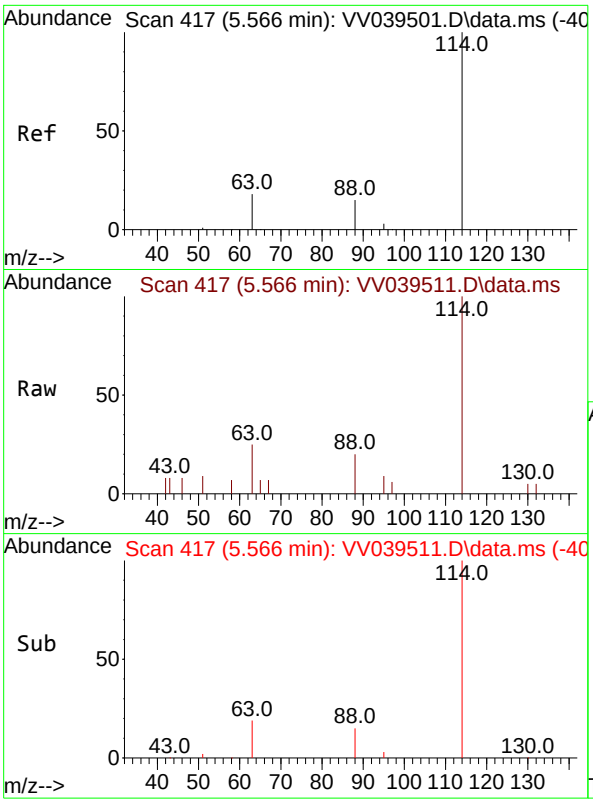
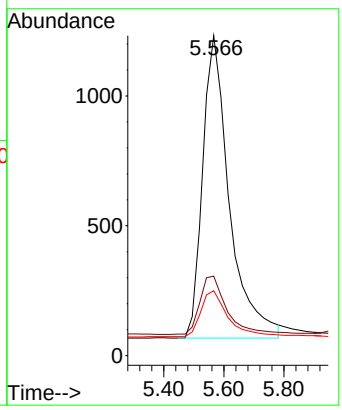




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

Tgt Ion:114 Resp: 720

Ion	Ratio	Lower	Upper
114	100		
63	19.3	15.0	22.4
88	15.8	12.0	18.0



Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM-FD

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2025
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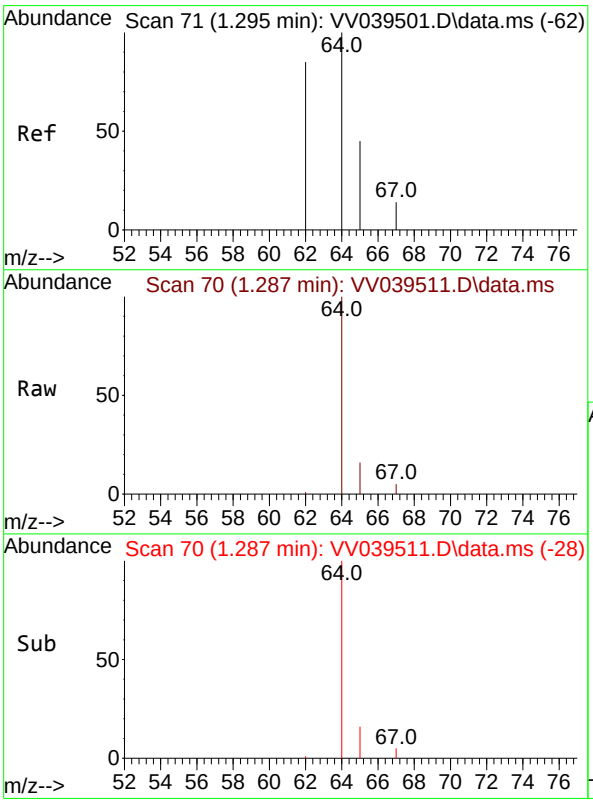
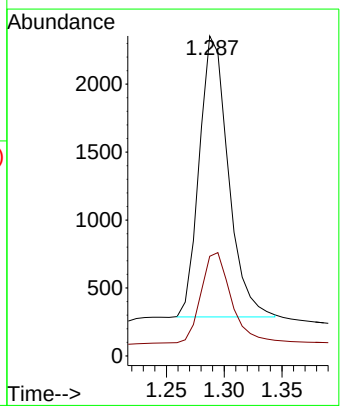
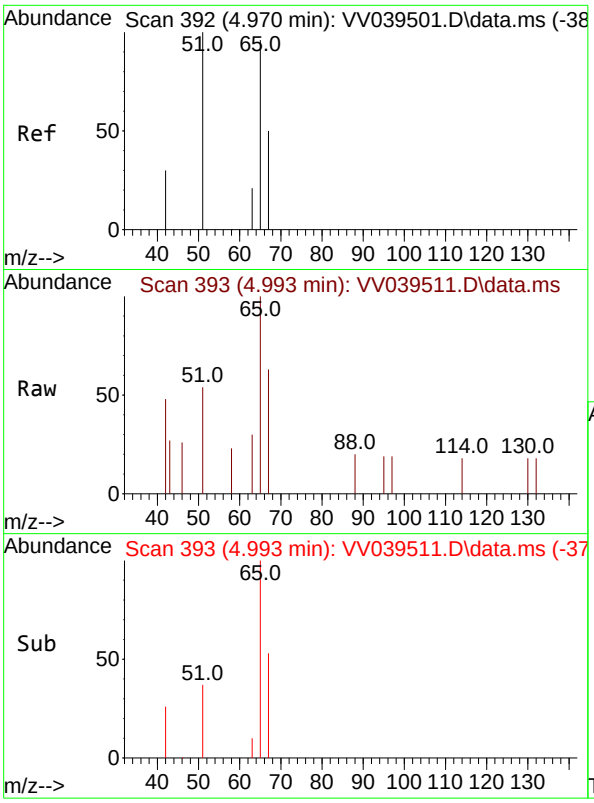


#2
Vinyl Chloride-d3
Concen: 0.510 ug/L m
RT: 1.287 min Scan# 70
Delta R.T. -0.007 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

Tgt Ion: 65 Resp: 3606

Ion	Ratio	Lower	Upper
65	100		
67	39.3	22.3	41.5

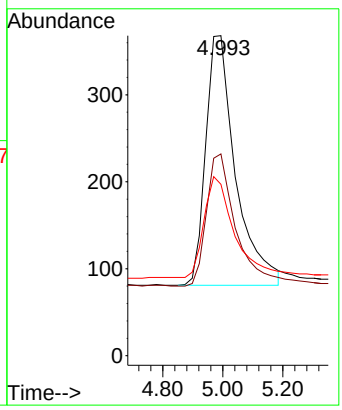




#4
1,2-Dichloroethane-d4
Concen: 0.414 ug/L
RT: 4.993 min Scan# 3
Delta R.T. 0.024 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

Tgt Ion: 65 Resp: 198

Ion	Ratio	Lower	Upper
65	100		
67	51.8	32.5	60.3
51	40.7	121.4	225.6



Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM-FD

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2025
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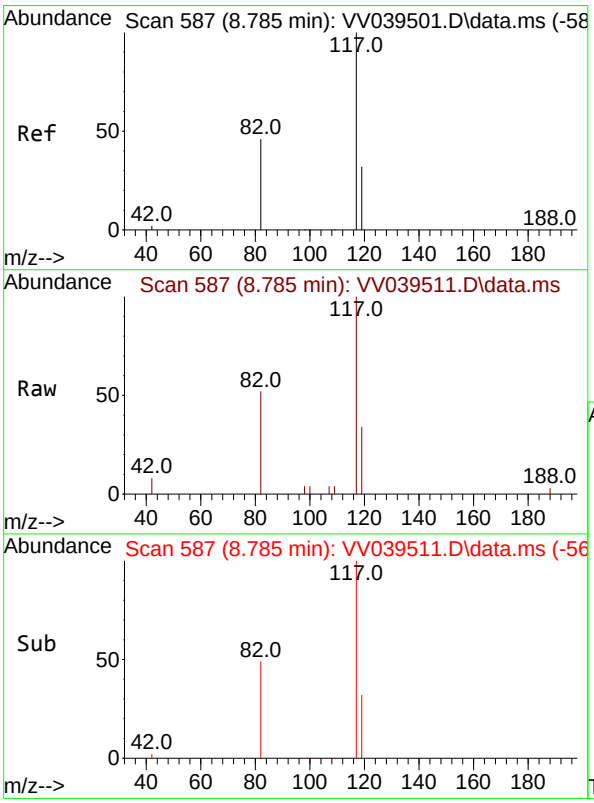
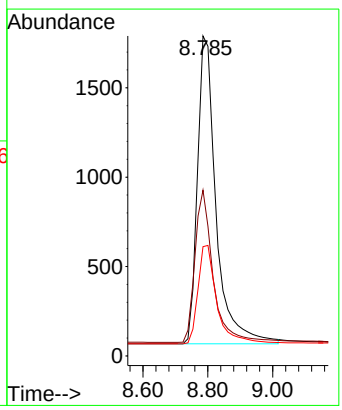
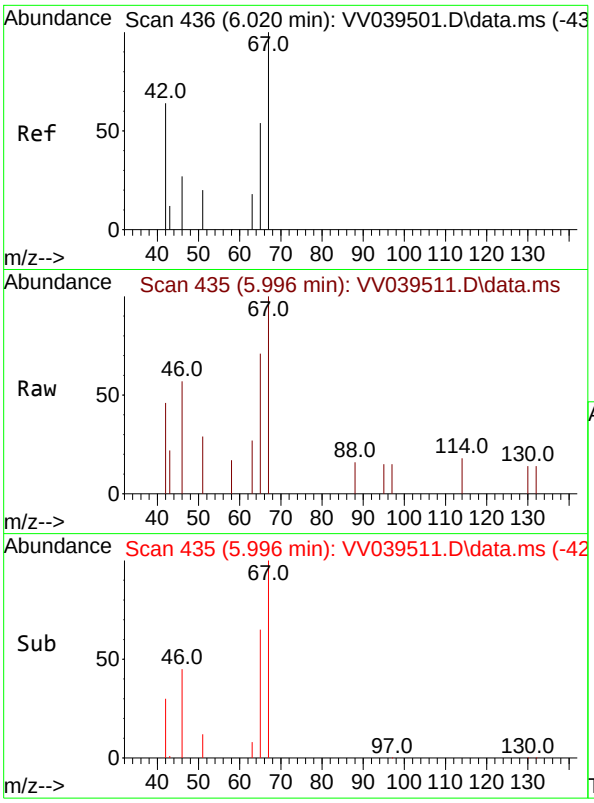


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. -0.000 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

Tgt Ion:117 Resp: 6889

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

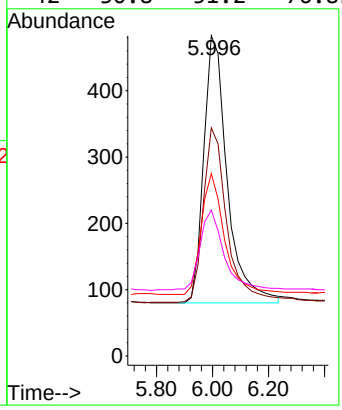




#7
1,2-Dichloropropane-d6
Concen: 0.405 ug/L
RT: 5.996 min Scan# 4
Delta R.T. -0.023 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

Tgt Ion: 67 Resp: 235

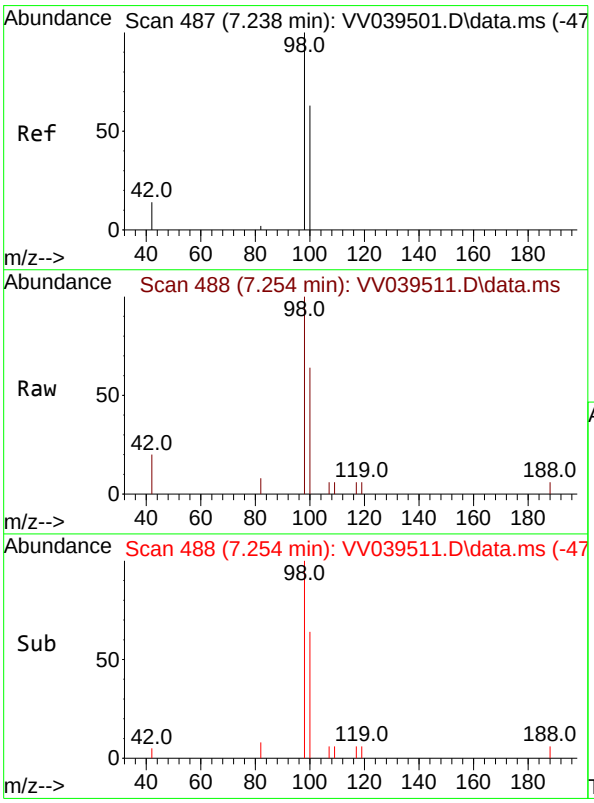
Ion	Ratio	Lower	Upper
67	100		
65	65.2	37.9	56.9#
46	45.1	27.4	41.0#
42	30.8	51.2	76.8#



Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM-FD

Manual Integrations
APPROVED

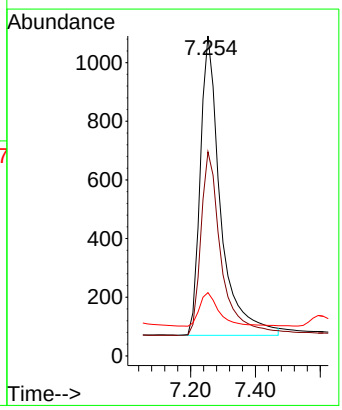
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

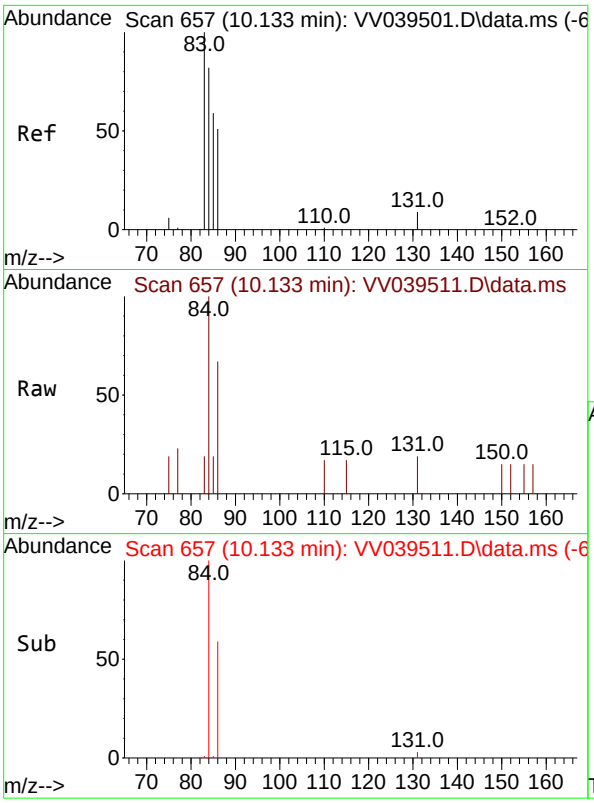


#8
Toluene-d8
Concen: 0.452 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

Tgt Ion: 98 Resp: 4431

Ion	Ratio	Lower	Upper
98	100		
100	61.6	44.5	82.7
42	10.7	10.1	18.7





#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.494 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

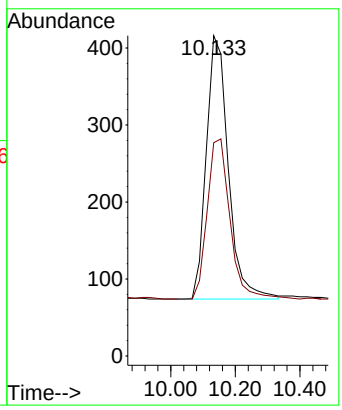
Tgt Ion: 84 Resp: 161

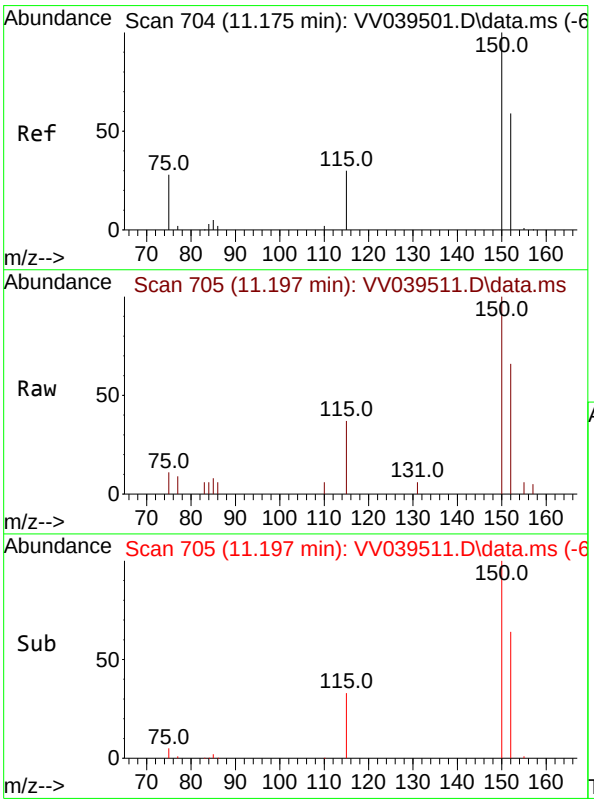
Ion	Ratio	Lower	Upper
84	100		
86	62.9	44.4	82.5

Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM-FD

Manual Integrations
APPROVED

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

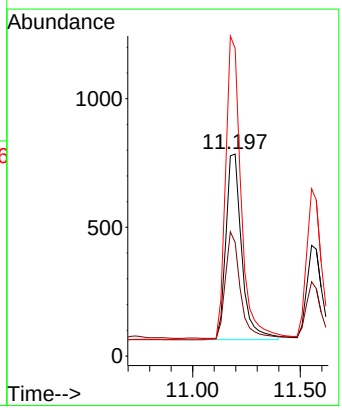




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

Tgt Ion:152 Resp: 3685

Ion	Ratio	Lower	Upper
152	100		
115	53.8	0.0	101.6
150	159.5	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039512.D
Acq On : 09 Dec 2025 18:09
Operator : SY/MD
Sample : Q3787-20
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 01:18:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
OW-02B-21.2-120425-SIM

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	5439	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5451	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	2889	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	2893m	0.542	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 108.000%			
4) 1,2-Dichloroethane-d4	4.993	65	1705	0.471	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 94.000%			
7) 1,2-Dichloropropane-d6	5.996	67	2050	0.446	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 90.000%			
8) Toluene-d8	7.254	98	3897	0.502	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 100.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1384	0.534	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 106.000%			

Target Compounds Qvalue

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

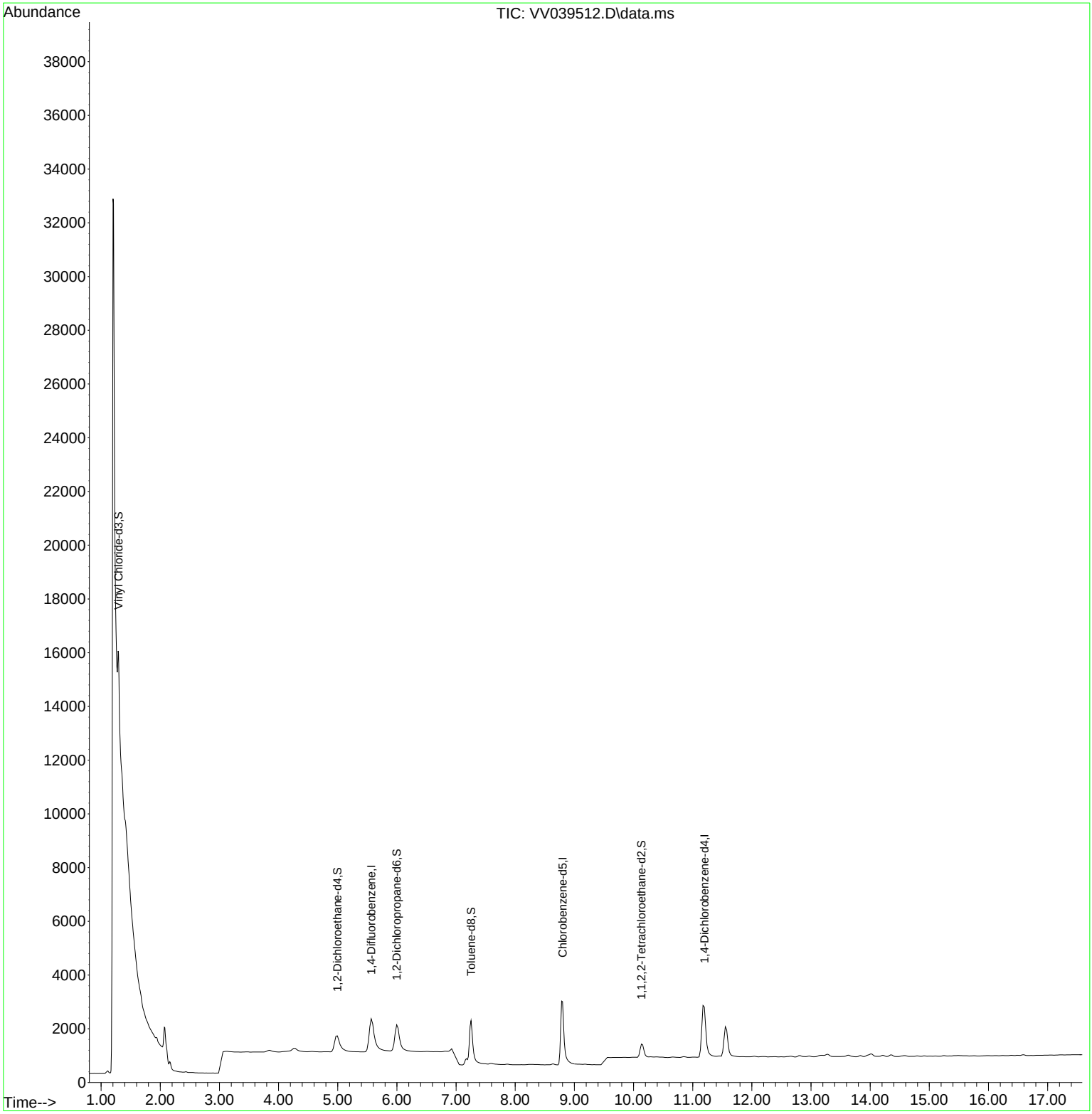
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039512.D
Acq On : 09 Dec 2025 18:09
Operator : SY/MD
Sample : Q3787-20
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

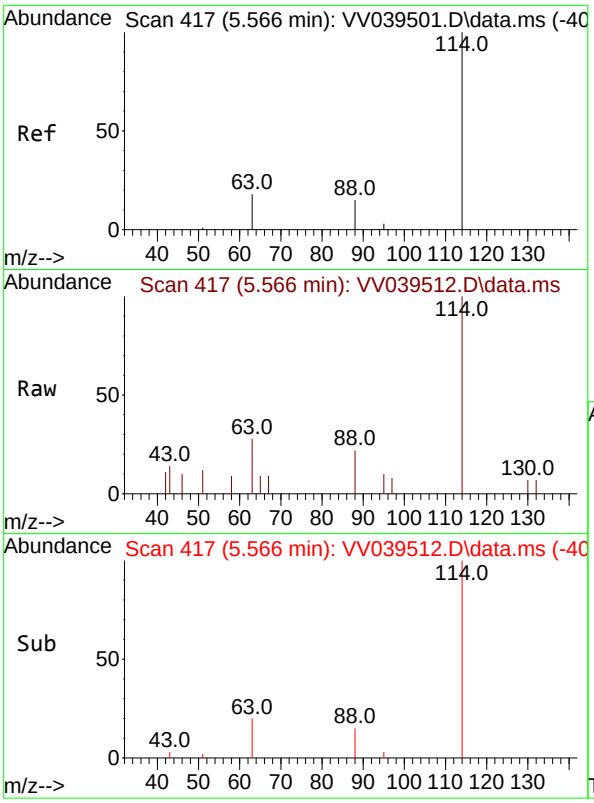
Quant Time: Dec 10 01:18:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
OW-02B-21.2-120425-SIM

Manual Integrations APPROVED

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

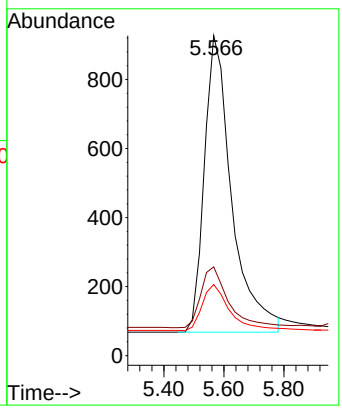




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 4
Delta R.T. 0.000 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

Tgt Ion:114 Resp: 543

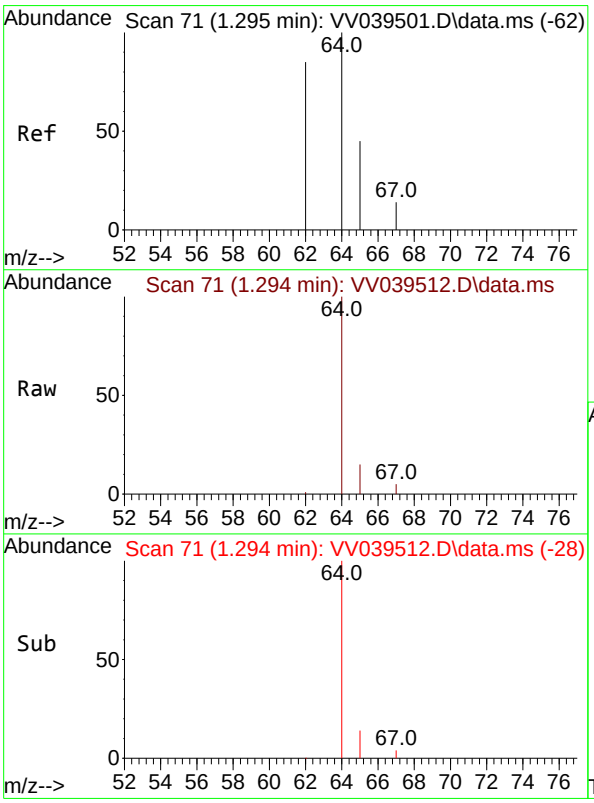
Ion	Ratio	Lower	Upper
114	100		
63	20.6	15.0	22.4
88	15.3	12.0	18.0



Instrument :
MSVOA_V
ClientSampleId :
OW-02B-21.2-120425-SIM

Manual Integrations APPROVED

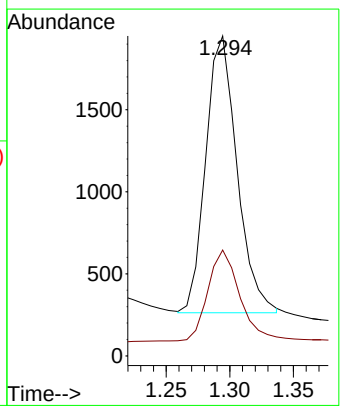
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

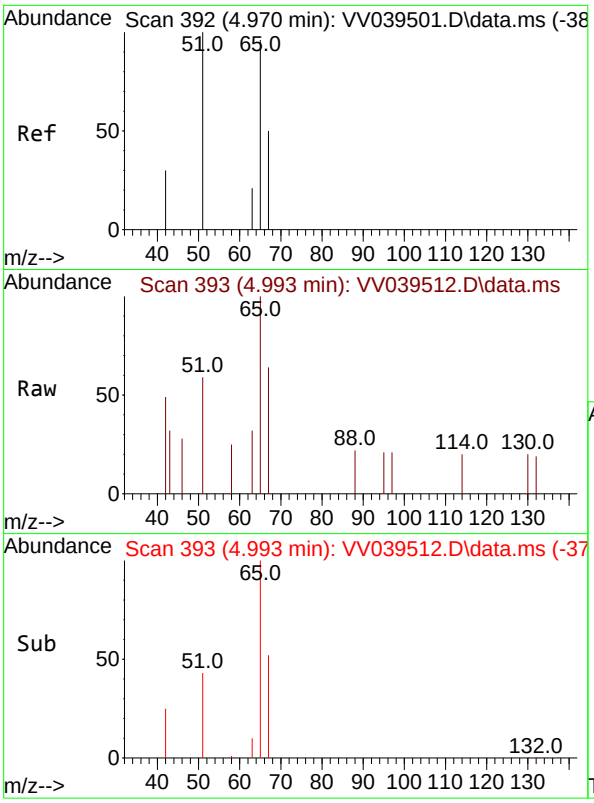


#2
Vinyl Chloride-d3
Concen: 0.542 ug/L m
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

Tgt Ion: 65 Resp: 2893

Ion	Ratio	Lower	Upper
65	100		
67	40.0	22.3	41.5

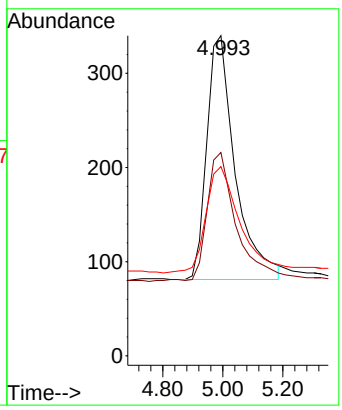




#4
1,2-Dichloroethane-d4
Concen: 0.471 ug/L
RT: 4.993 min Scan# 3
Delta R.T. 0.024 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

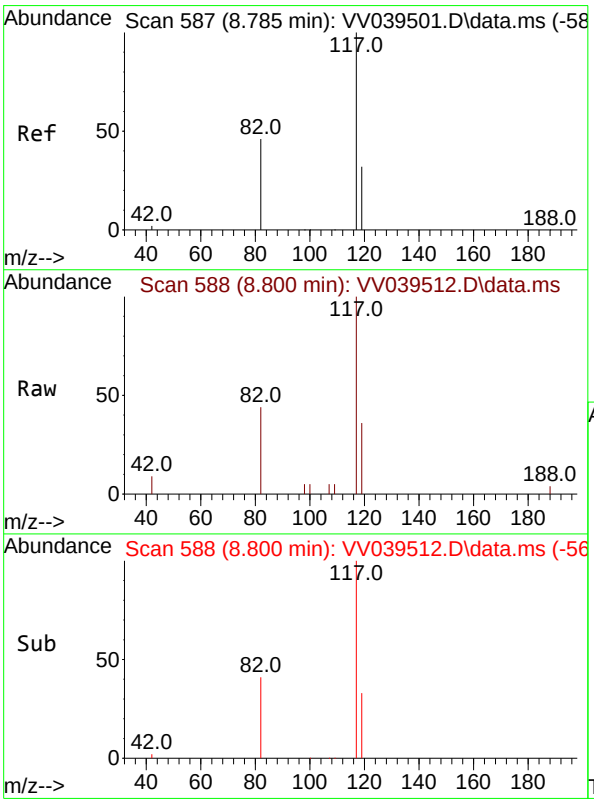
Tgt Ion: 65 Resp: 170

Ion	Ratio	Lower	Upper
65	100		
67	54.9	32.5	60.3
51	51.8	121.4	225.6



Instrument :
MSVOA_V
ClientSampleId :
OW-02B-21.2-120425-SIM

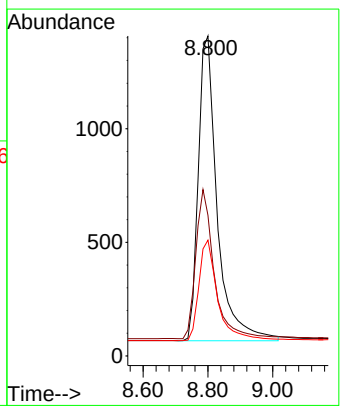
Manual Integrations
APPROVED
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

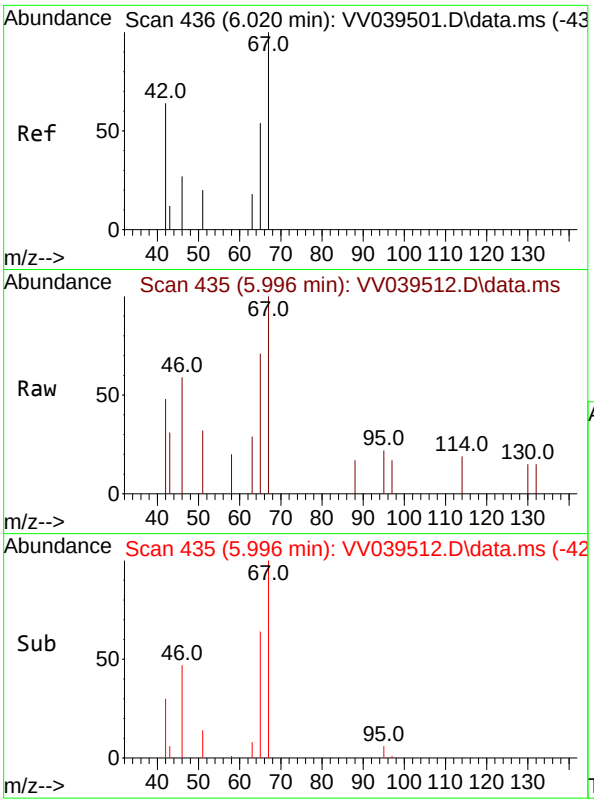


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

Tgt Ion:117 Resp: 5451

Ion	Ratio	Lower	Upper
117	100		
82	47.5	39.4	59.2
119	32.7	26.2	39.2

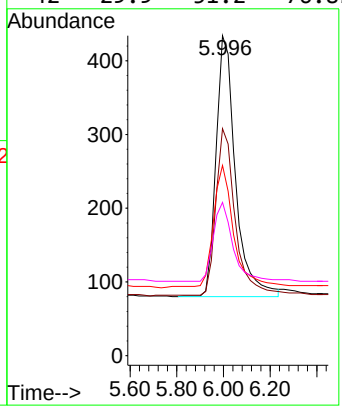




#7
1,2-Dichloropropane-d6
Concen: 0.446 ug/L
RT: 5.996 min Scan# 4
Delta R.T. -0.023 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

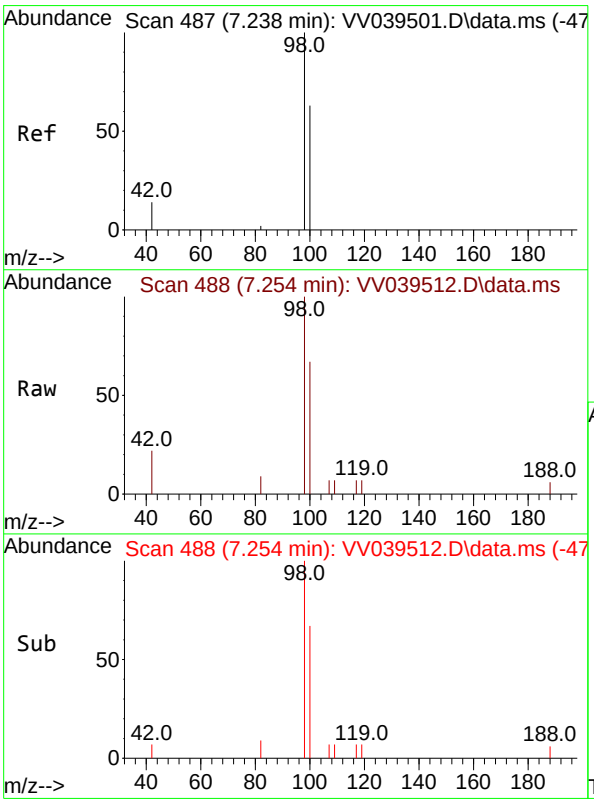
Tgt Ion: 67 Resp: 205

Ion	Ratio	Lower	Upper
67	100		
65	63.0	37.9	56.9#
46	48.2	27.4	41.0#
42	29.9	51.2	76.8#



Instrument :
MSVOA_V
ClientSampleId :
OW-02B-21.2-120425-SIM

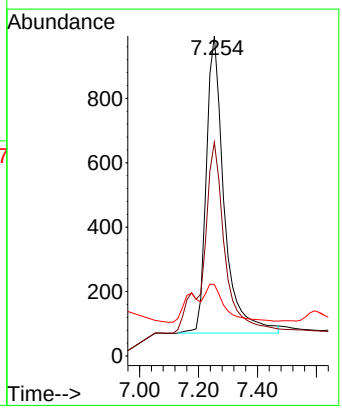
Manual Integrations APPROVED
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025

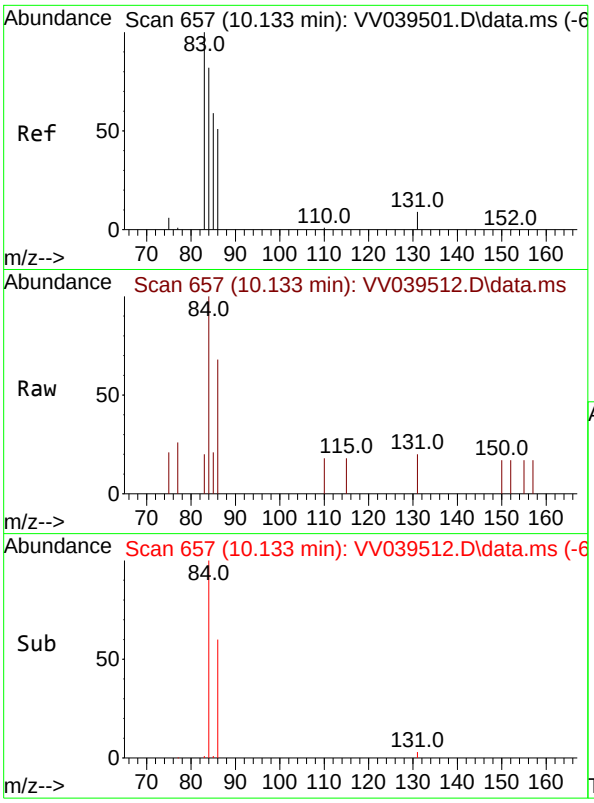


#8
Toluene-d8
Concen: 0.502 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

Tgt Ion: 98 Resp: 3897

Ion	Ratio	Lower	Upper
98	100		
100	77.0	44.5	82.7
42	13.7	10.1	18.7





#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.534 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

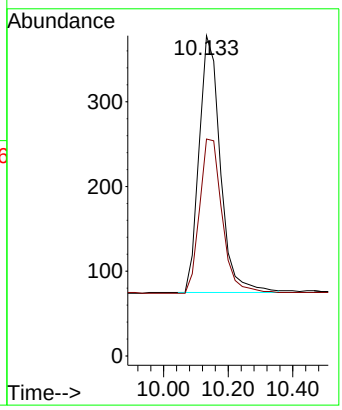
Tgt Ion: 84 Resp: 138

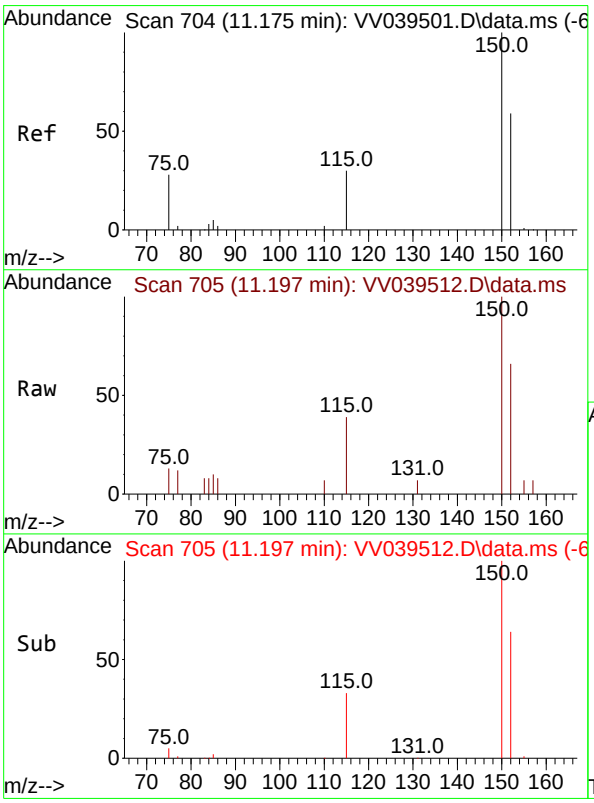
Ion	Ratio	Lower	Upper
84	100		
86	63.9	44.4	82.5

Instrument :
MSVOA_V
ClientSampleId :
OW-02B-21.2-120425-SIM

Manual Integrations APPROVED

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

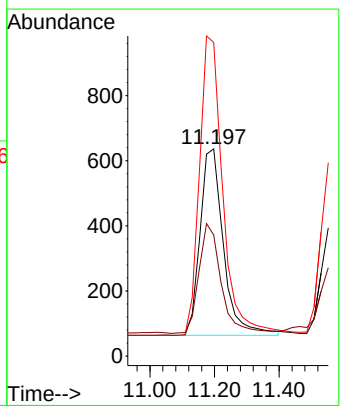




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

Tgt Ion:152 Resp: 2889

Ion	Ratio	Lower	Upper
152	100		
115	55.4	0.0	101.6
150	159.6	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
Data File : VV039488.D
Acq On : 08 Dec 2025 12:02
Operator : SY/MD
Sample : Q3787-21
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB01-120425

Quant Time: Dec 09 01:27:05 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	6543	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	6120	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.197	152	3130	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3588	0.545	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 110.000%			
4) 1,2-Dichloroethane-d4	4.970	65	1891	0.434	ug/L	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 86.000%			
7) 1,2-Dichloropropane-d6	5.996	67	2168	0.420	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 84.000%			
8) Toluene-d8	7.254	98	4063	0.466	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 94.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1537	0.528	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 106.000%			

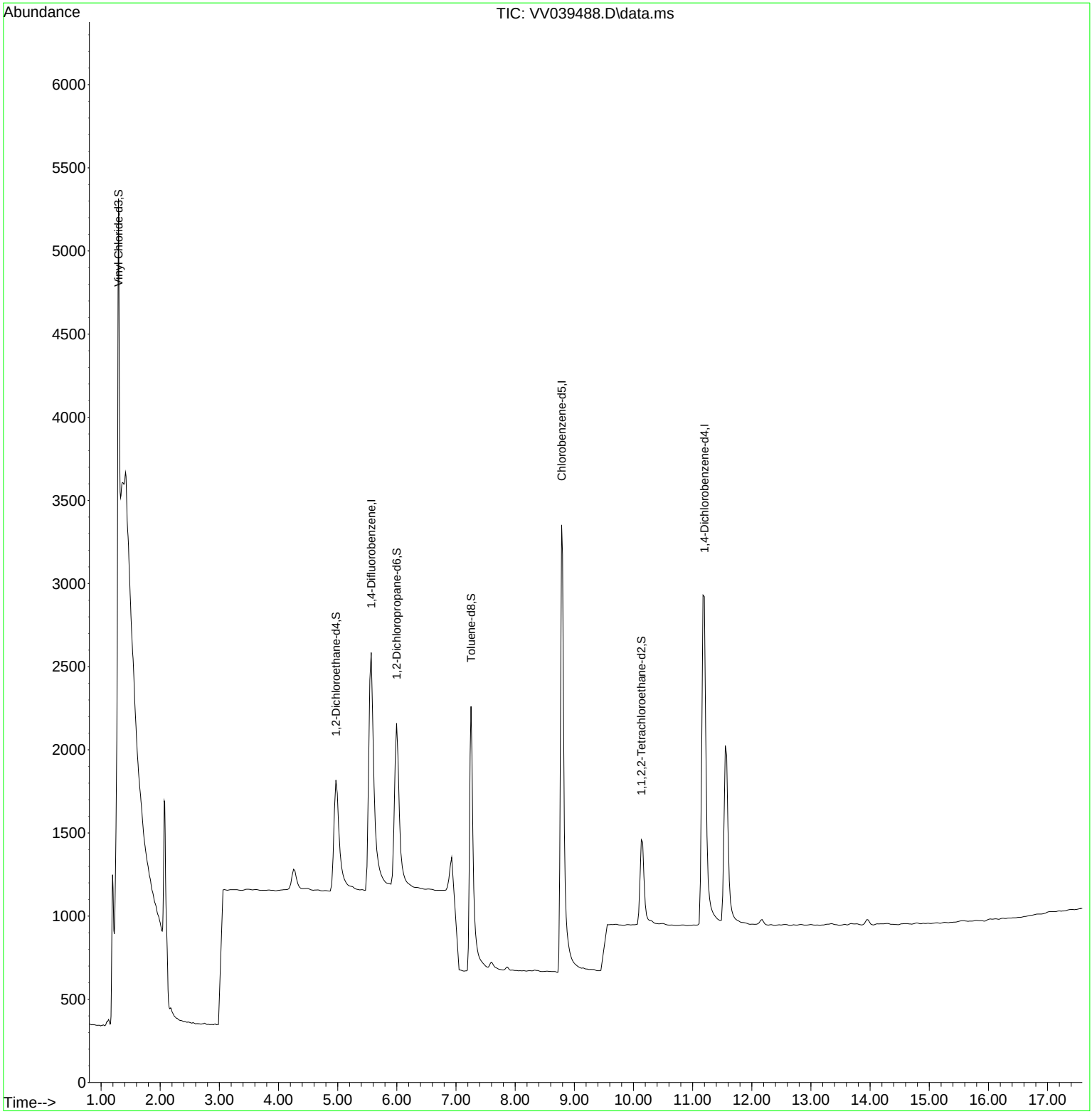
Target Compounds Qvalue

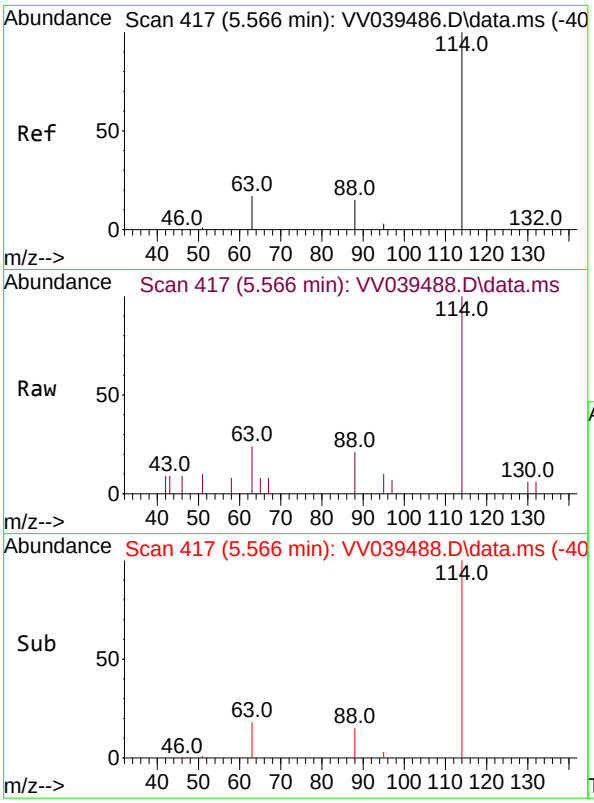
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
Data File : VV039488.D
Acq On : 08 Dec 2025 12:02
Operator : SY/MD
Sample : Q3787-21
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB01-120425

Quant Time: Dec 09 01:27:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 04 00:58:46 2025
Response via : Initial Calibration



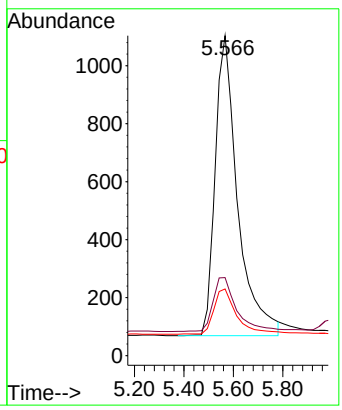


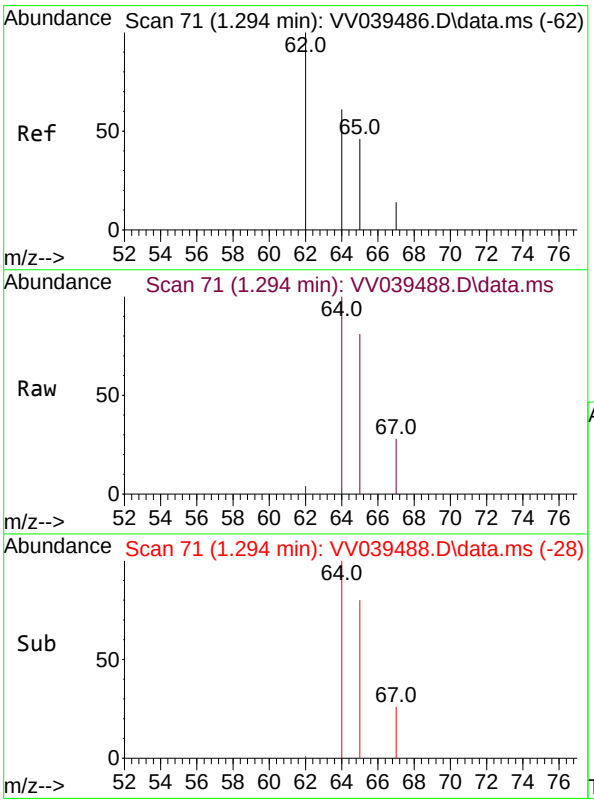
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

Instrument :
MSVOA_V
ClientSampleId :
TB01-120425

Tgt Ion:114 Resp: 6543

Ion	Ratio	Lower	Upper
114	100		
63	18.8	15.0	22.4
88	15.2	12.0	18.0

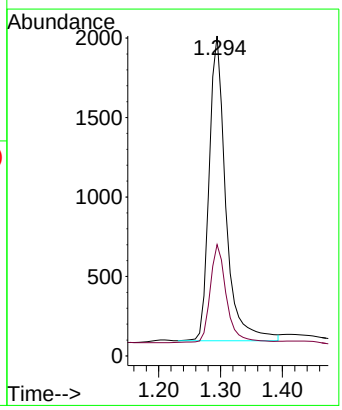


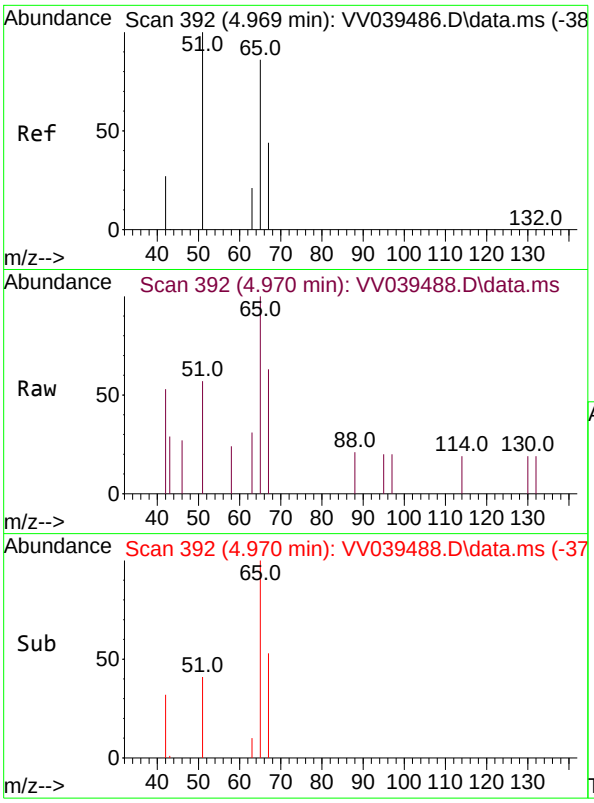


#2
Vinyl Chloride-d3
Concen: 0.545 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

Tgt Ion: 65 Resp: 3588

Ion	Ratio	Lower	Upper
65	100		
67	31.5	22.3	41.5



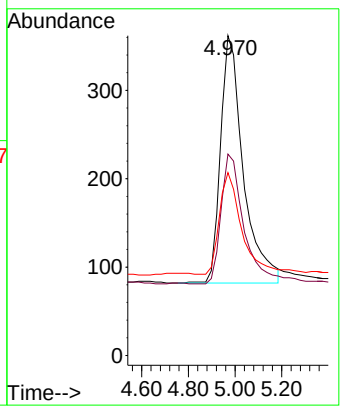


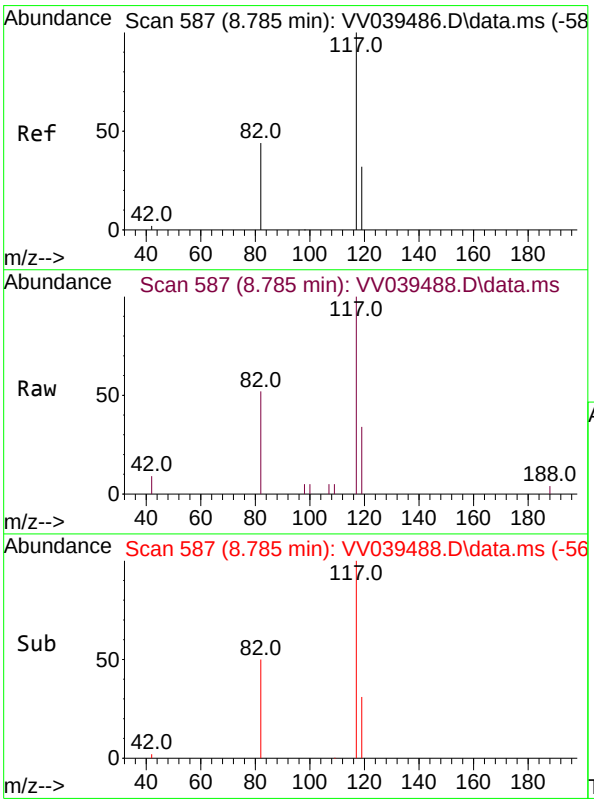
#4
1,2-Dichloroethane-d4
Concen: 0.434 ug/L
RT: 4.970 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

Instrument :
MSVOA_V
ClientSampleId :
TB01-120425

Tgt Ion: 65 Resp: 1891

Ion	Ratio	Lower	Upper
65	100		
67	52.3	32.5	60.3
51	39.8	121.4	225.6#

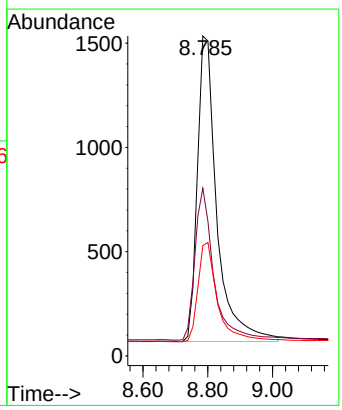


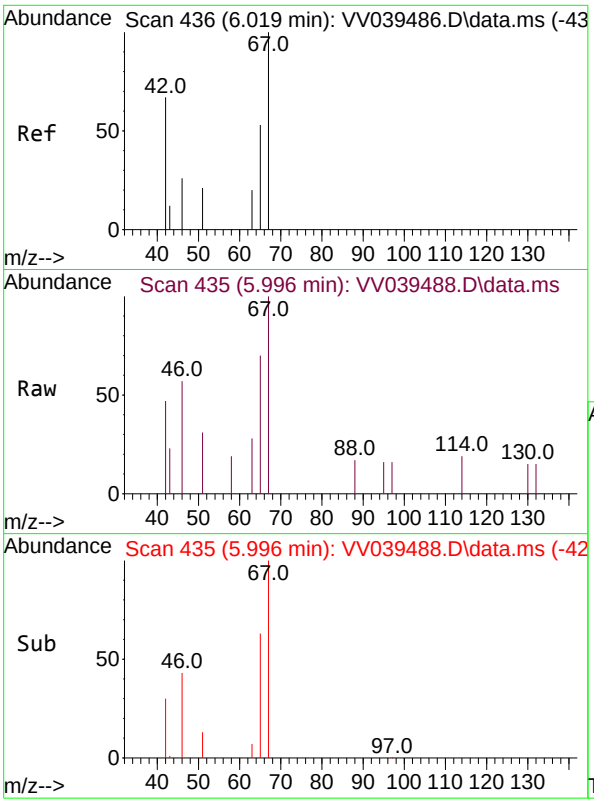


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. 0.000 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

Tgt Ion:117 Resp: 6120

Ion	Ratio	Lower	Upper
117	100		
82	48.2	39.4	59.2
119	32.7	26.2	39.2



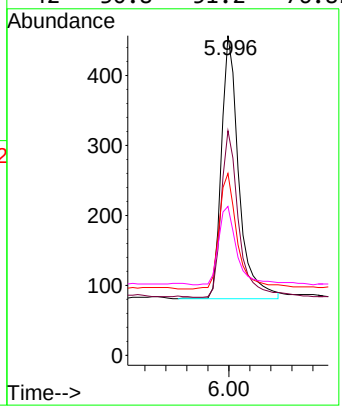


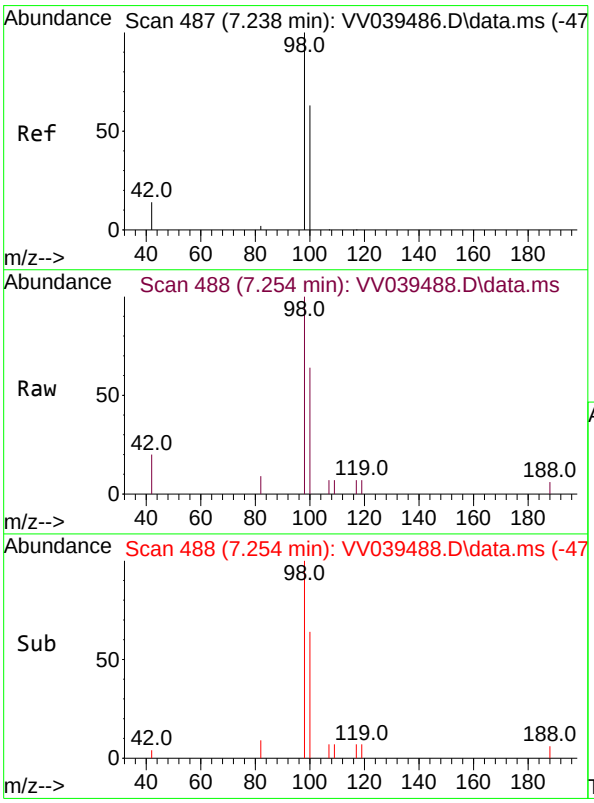
#7
1,2-Dichloropropane-d6
Concen: 0.420 ug/L
RT: 5.996 min Scan# 4
Delta R.T. -0.023 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

Instrument :
MSVOA_V
ClientSampleId :
TB01-120425

Tgt Ion: 67 Resp: 2168

Ion	Ratio	Lower	Upper
67	100		
65	63.0	37.9	56.9#
46	45.0	27.4	41.0#
42	30.8	51.2	76.8#

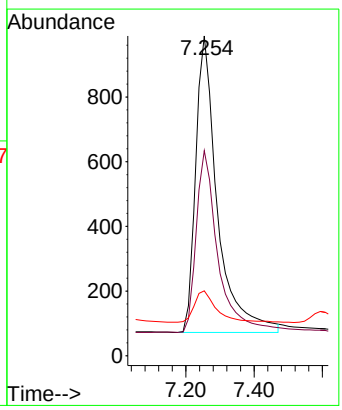


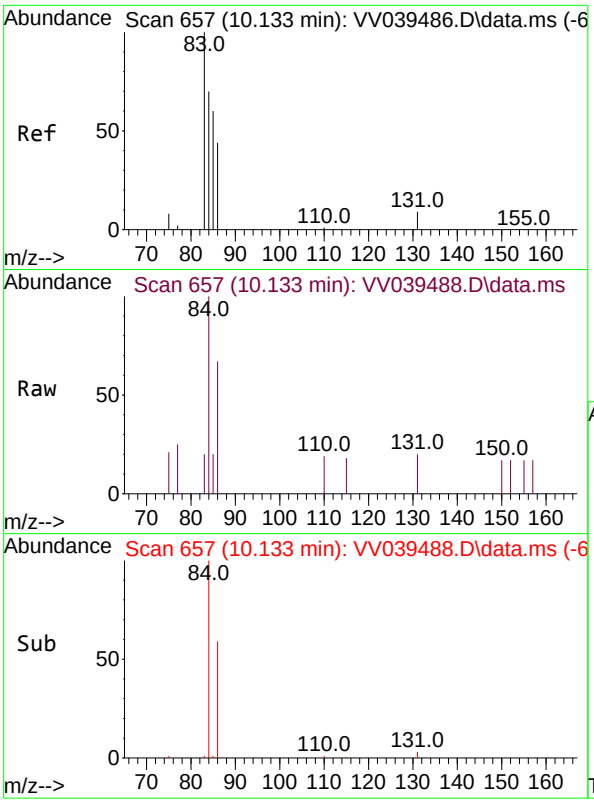


#8
Toluene-d8
Concen: 0.466 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

Tgt Ion: 98 Resp: 4063

Ion	Ratio	Lower	Upper
98	100		
100	61.2	44.5	82.7
42	10.6	10.1	18.7



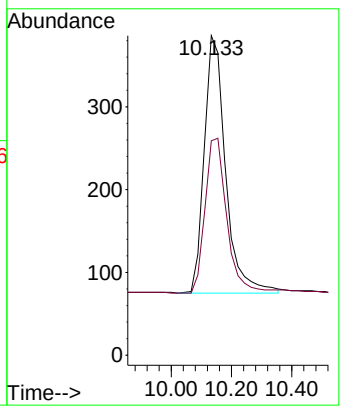


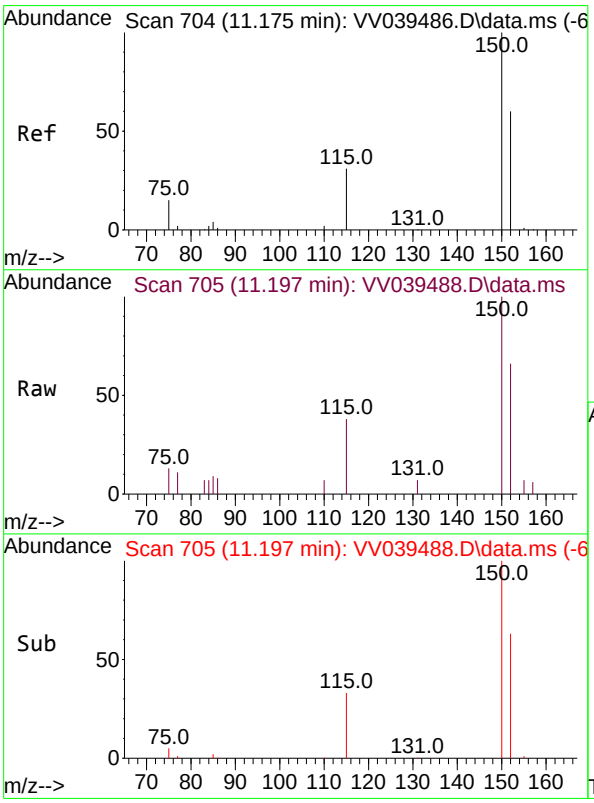
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.528 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

Instrument :
MSVOA_V
ClientSampleId :
TB01-120425

Tgt Ion: 84 Resp: 1537

Ion	Ratio	Lower	Upper
84	100		
86	61.0	44.4	82.5

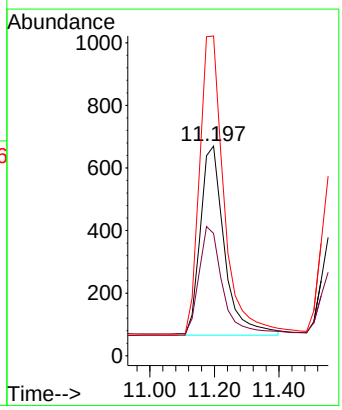




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

Tgt Ion:152 Resp: 3130

Ion	Ratio	Lower	Upper
152	100		
115	54.9	0.0	101.6
150	161.2	0.0	396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039519.D
Acq On : 10 Dec 2025 10:19
Operator : SY/MD
Sample : Q3787-22
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Quant Time: Dec 11 00:05:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7644	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	7099	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.197	152	3705	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3693	0.492	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 98.000%			
4) 1,2-Dichloroethane-d4	4.969	65	2027	0.398	ug/L	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 80.000%			
7) 1,2-Dichloropropane-d6	5.995	67	2260	0.377	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 76.000%			
8) Toluene-d8	7.253	98	4326	0.428	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 86.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1639	0.486	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 98.000%			

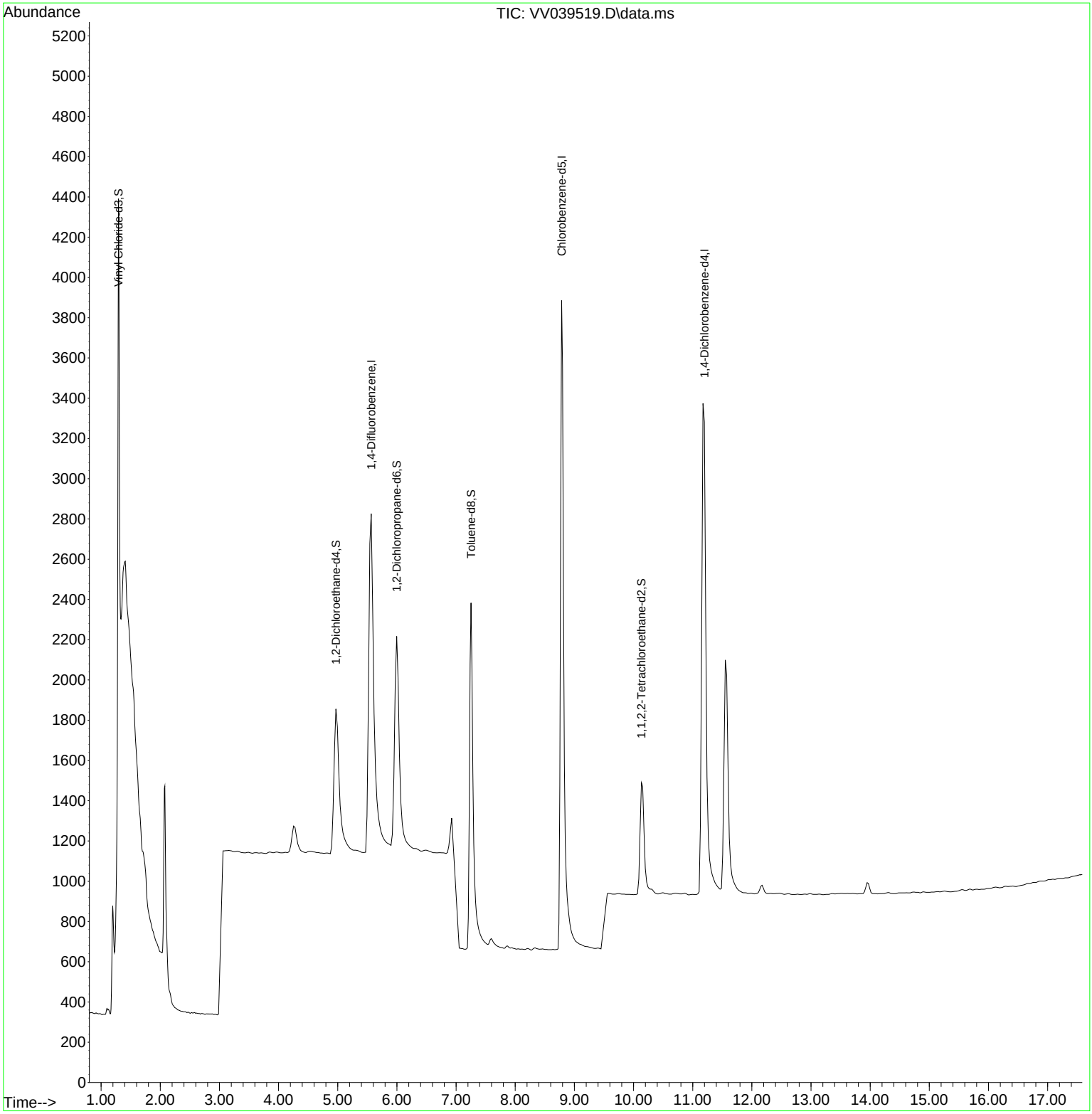
Target Compounds Qvalue

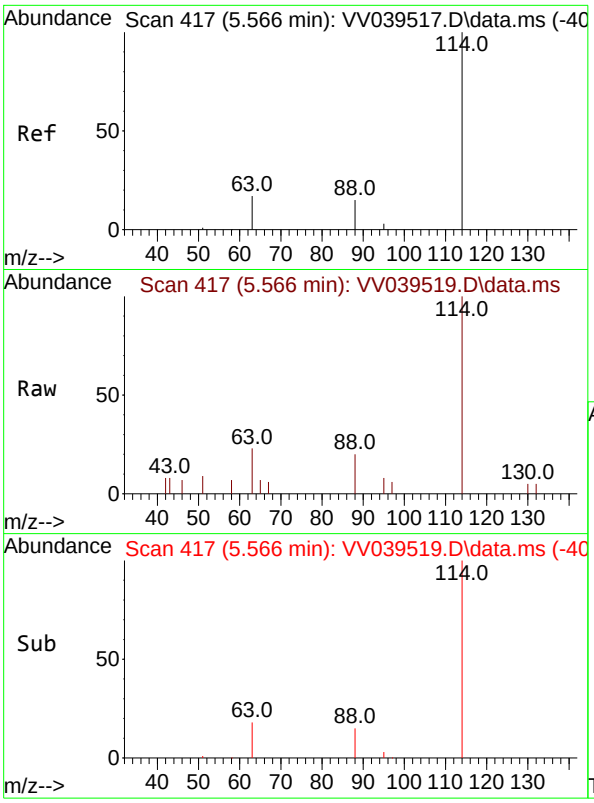
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039519.D
Acq On : 10 Dec 2025 10:19
Operator : SY/MD
Sample : Q3787-22
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Quant Time: Dec 11 00:05:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration



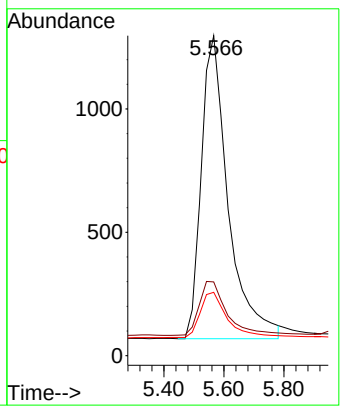


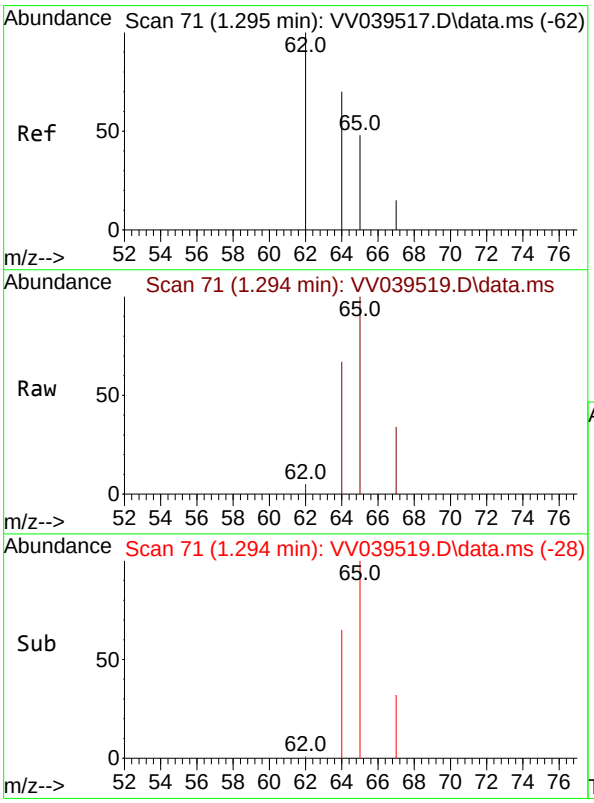
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Tgt Ion:114 Resp: 7644

Ion	Ratio	Lower	Upper
114	100		
63	18.4	15.0	22.4
88	15.1	12.0	18.0

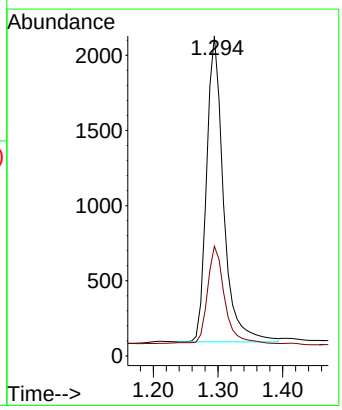


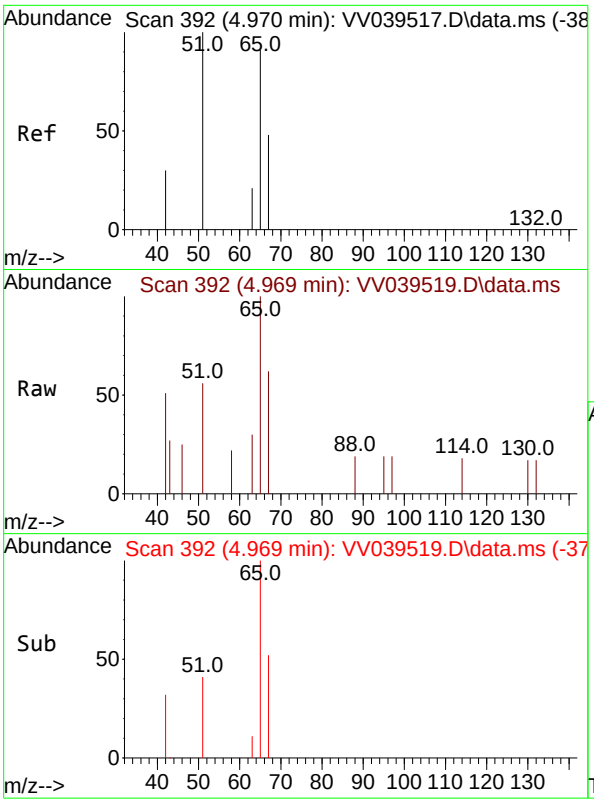


#2
Vinyl Chloride-d3
Concen: 0.492 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

Tgt Ion: 65 Resp: 3693

Ion	Ratio	Lower	Upper
65	100		
67	32.3	22.3	41.5



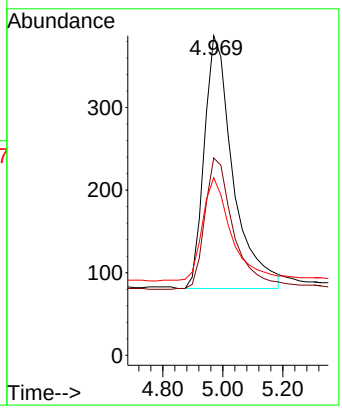


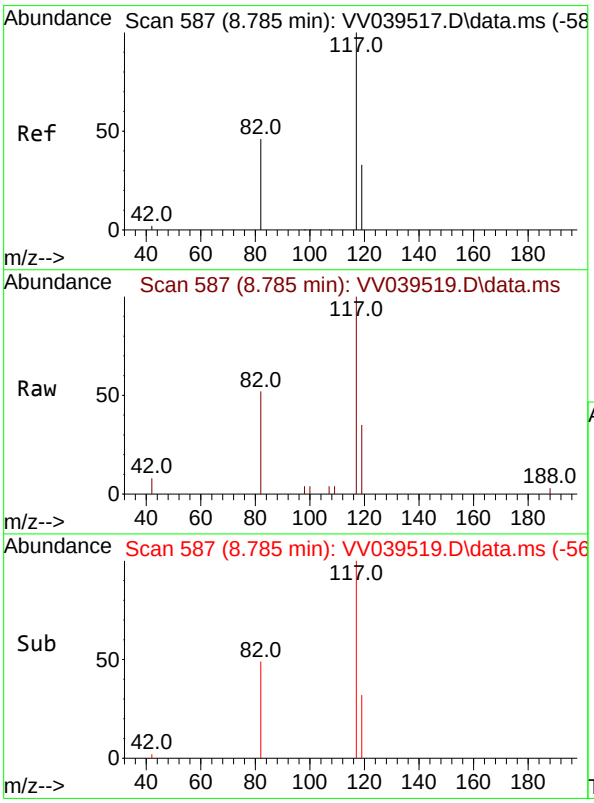
#4
1,2-Dichloroethane-d4
Concen: 0.398 ug/L
RT: 4.969 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Tgt Ion: 65 Resp: 2027

Ion	Ratio	Lower	Upper
65	100		
67	52.1	32.5	60.3
51	41.4	121.4	225.6#

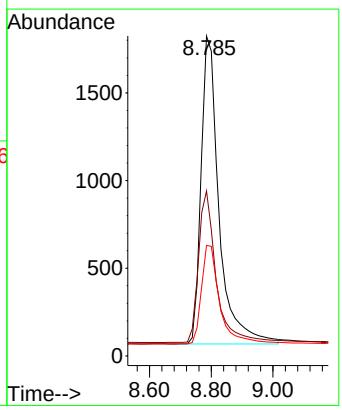


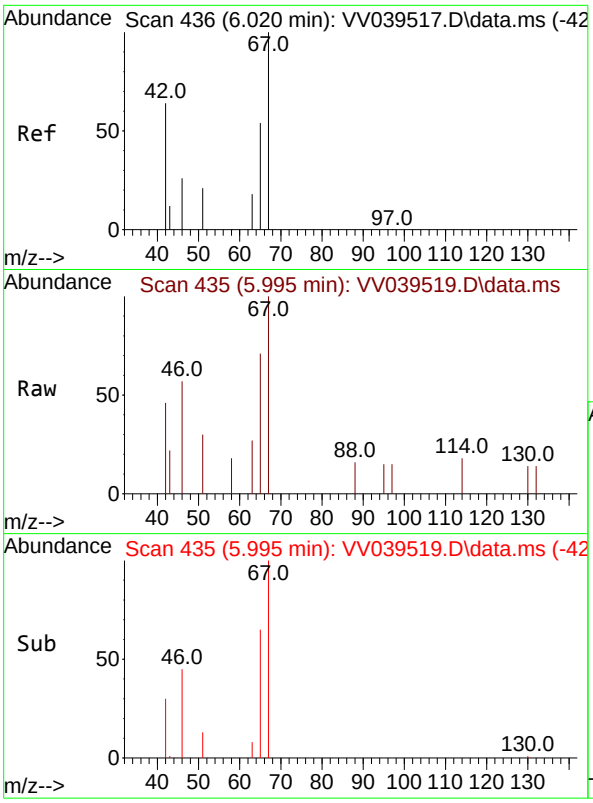


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. -0.000 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

Tgt Ion:117 Resp: 7099

Ion	Ratio	Lower	Upper
117	100		
82	48.5	39.4	59.2
119	32.6	26.2	39.2



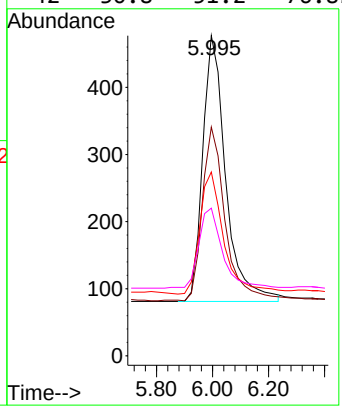


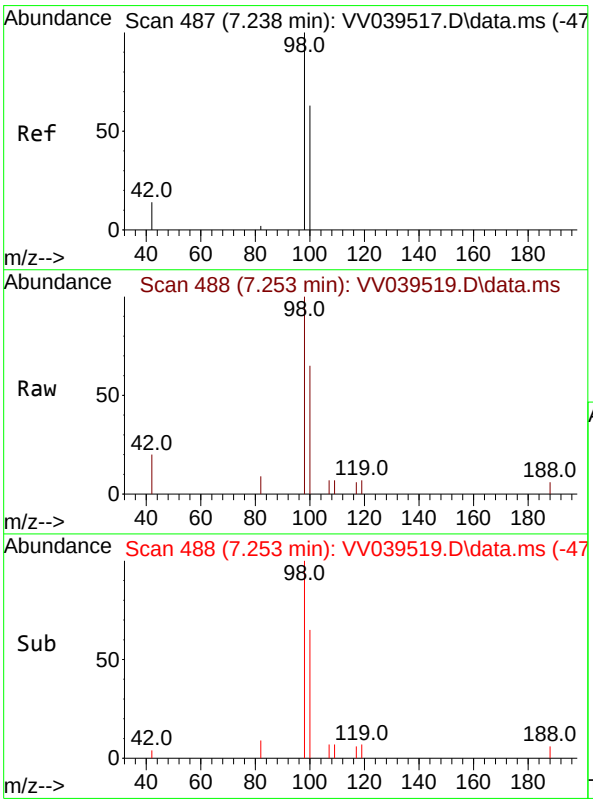
#7
1,2-Dichloropropane-d6
Concen: 0.377 ug/L
RT: 5.995 min Scan# 4
Delta R.T. -0.024 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Tgt Ion: 67 Resp: 2260

Ion	Ratio	Lower	Upper
67	100		
65	65.4	37.9	56.9#
46	48.5	27.4	41.0#
42	30.8	51.2	76.8#

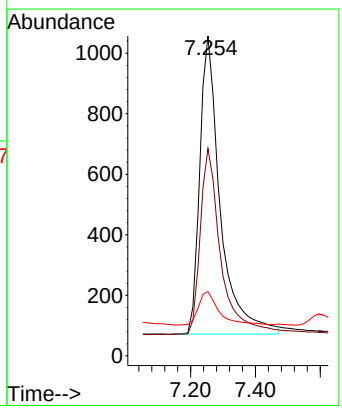


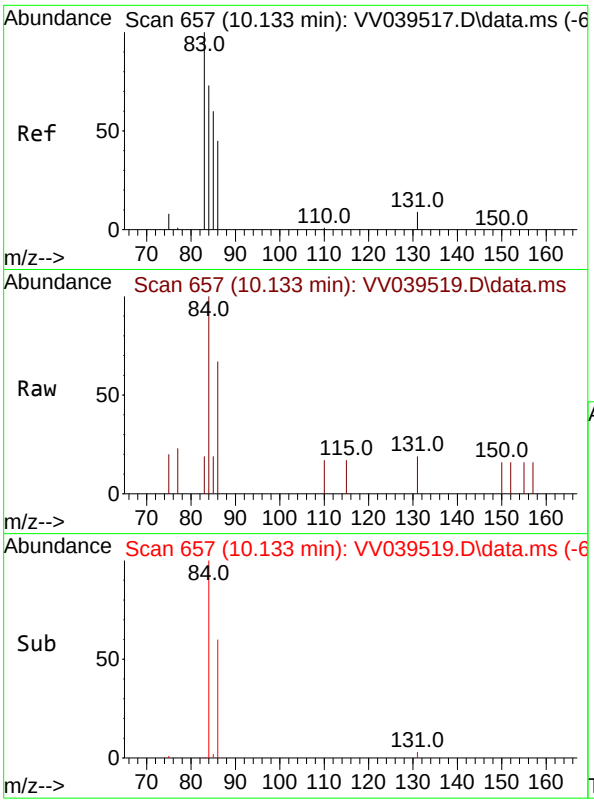


#8
Toluene-d8
Concen: 0.428 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

Tgt Ion: 98 Resp: 4326

Ion	Ratio	Lower	Upper
98	100		
100	61.7	44.5	82.7
42	11.2	10.1	18.7



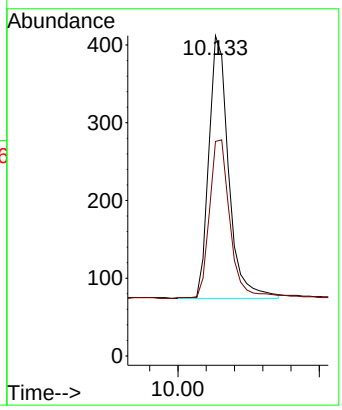


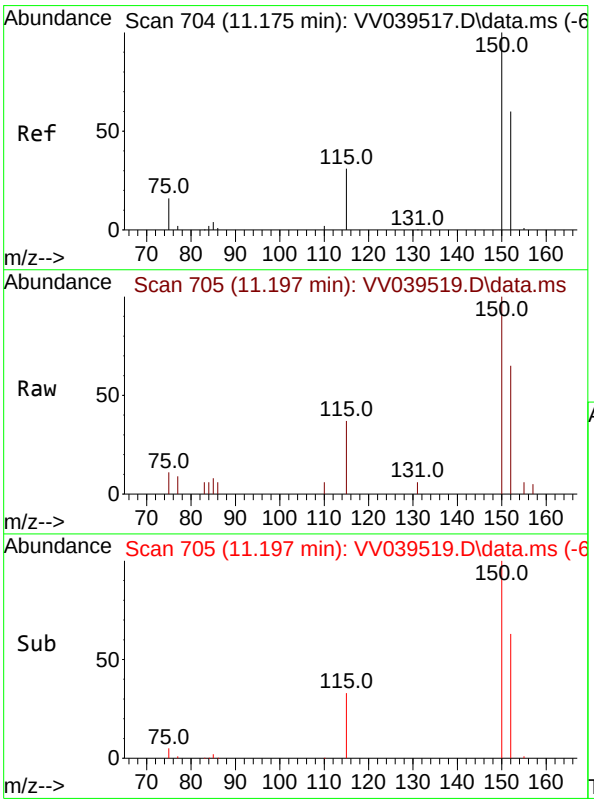
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.486 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Tgt Ion: 84 Resp: 1639

Ion	Ratio	Lower	Upper
84	100		
86	62.9	44.4	82.5

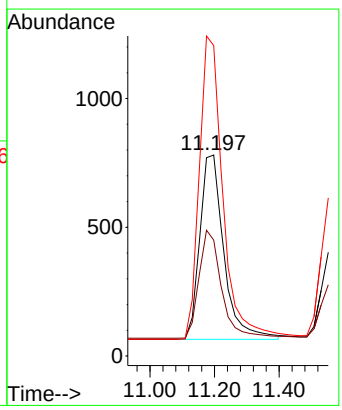




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

Tgt Ion:152 Resp: 3705

Ion	Ratio	Lower	Upper
152	100		
115	54.9	0.0	101.6
150	160.7	0.0	396.2



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%			

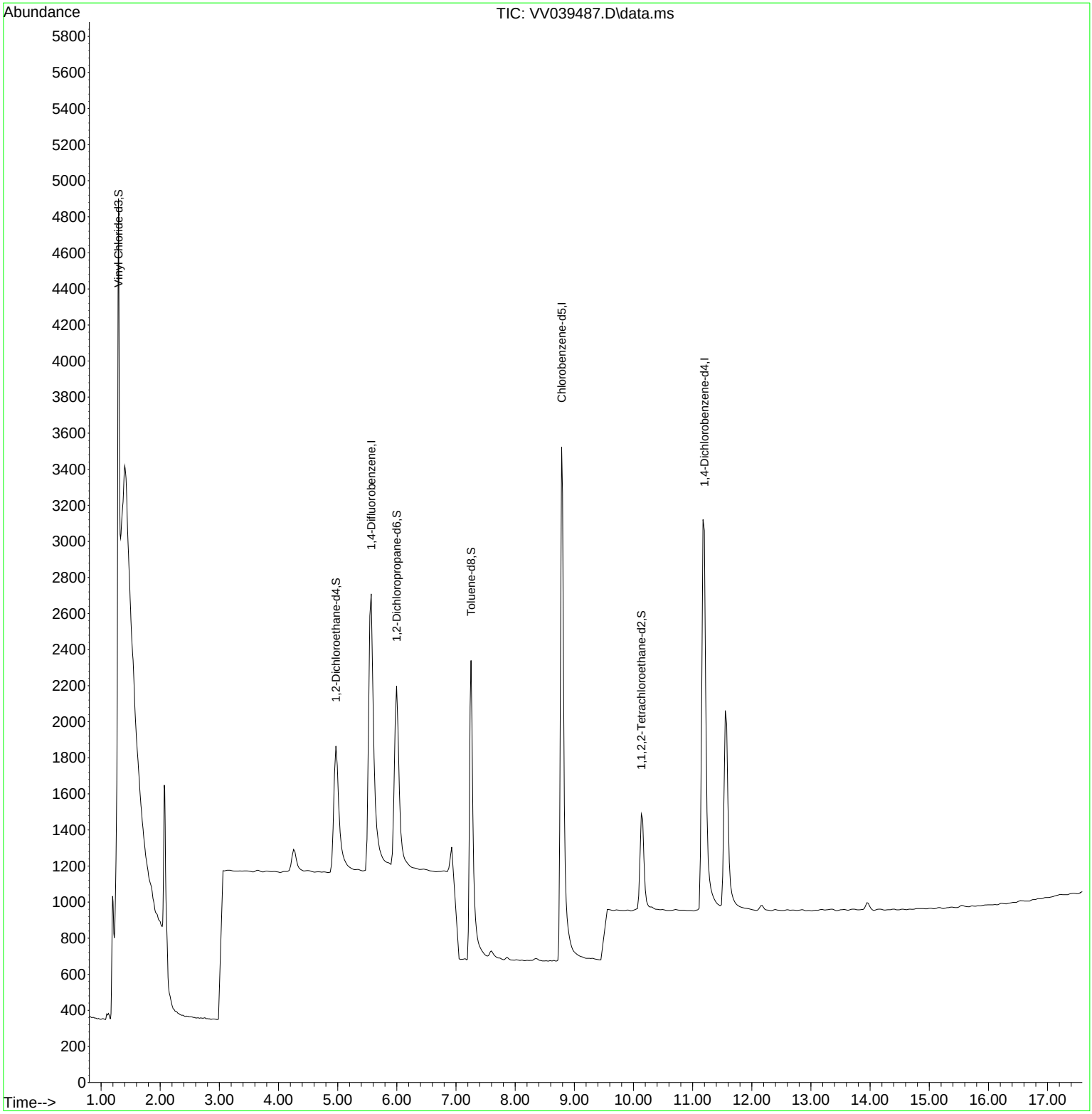
Target Compounds Qvalue

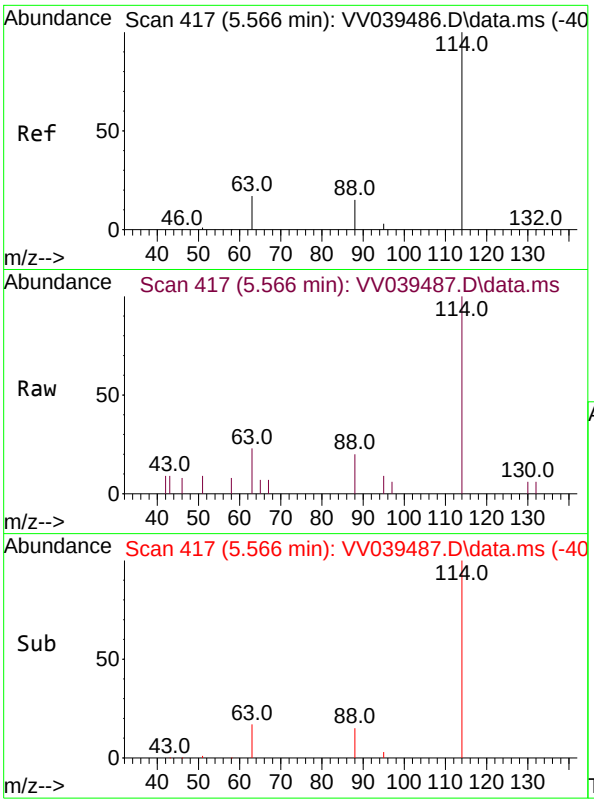
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



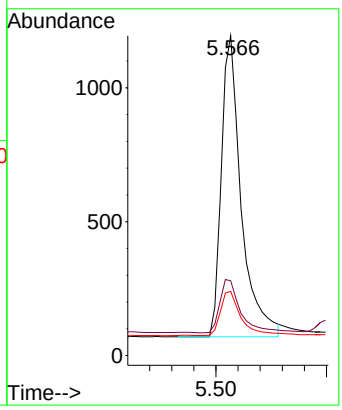


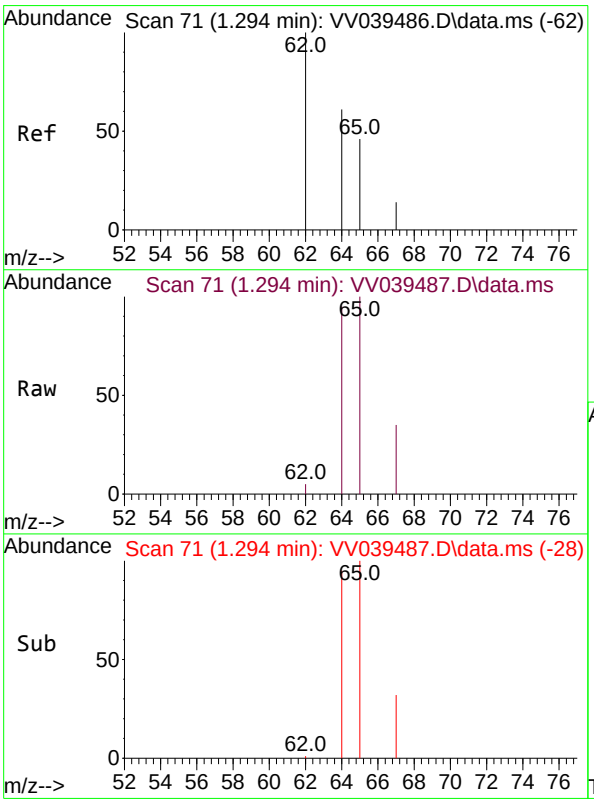
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

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

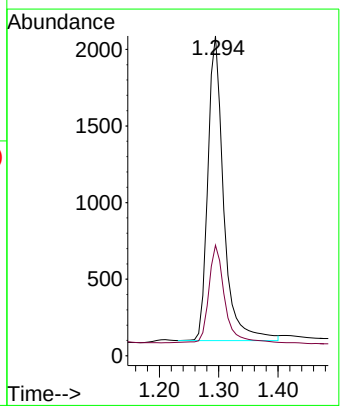


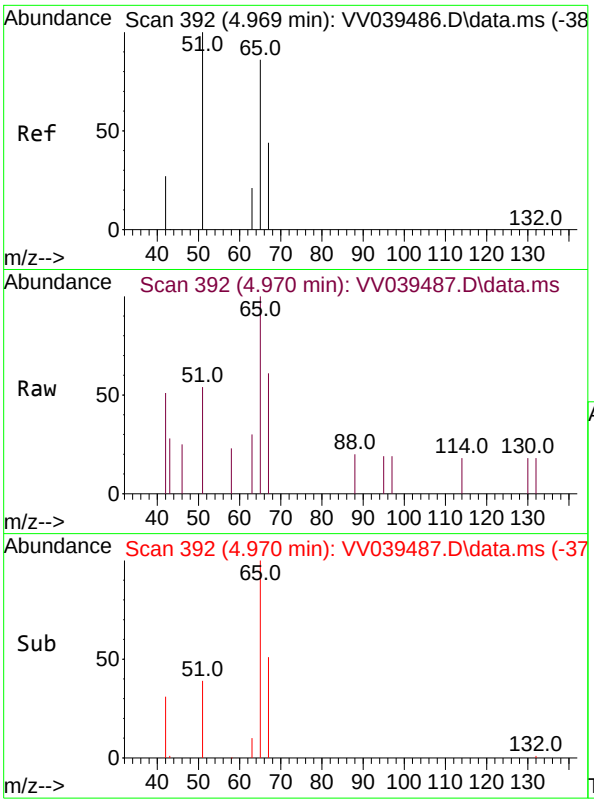


#2
Vinyl Chloride-d3
Concen: 0.524 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

Tgt Ion: 65 Resp: 3701

Ion	Ratio	Lower	Upper
65	100		
67	34.5	22.3	41.5



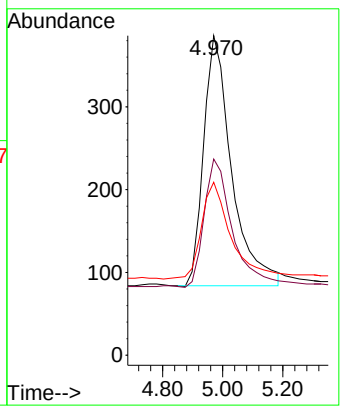


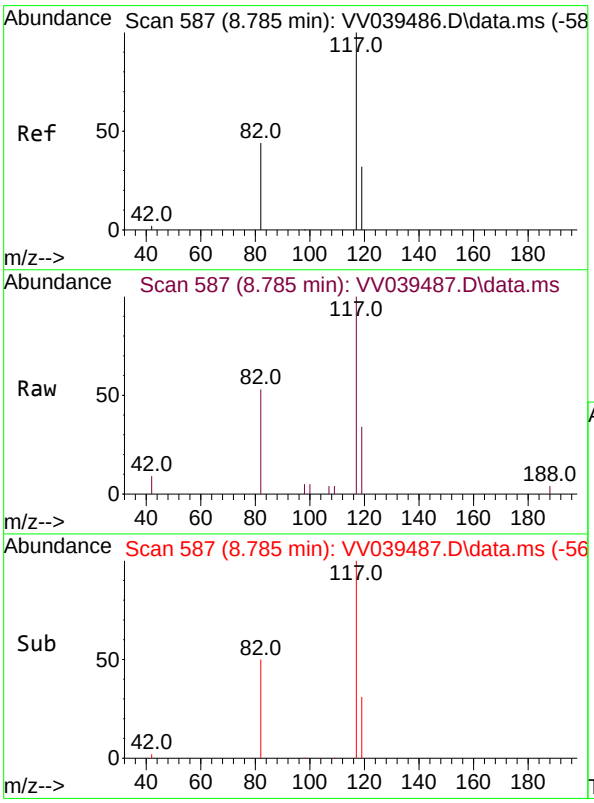
#4
1,2-Dichloroethane-d4
Concen: 0.419 ug/L
RT: 4.970 min Scan# 3
Delta R.T. 0.001 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

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#

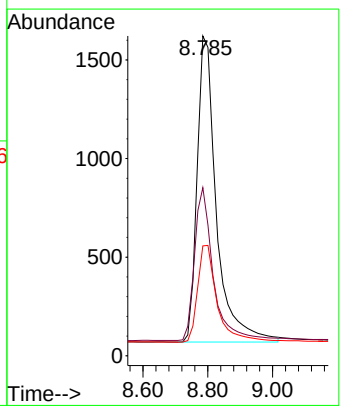


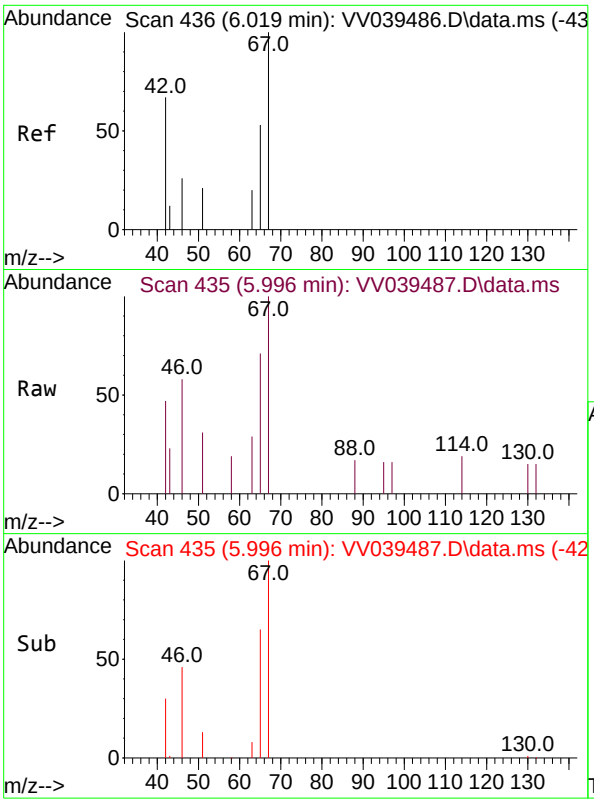


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. 0.000 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

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



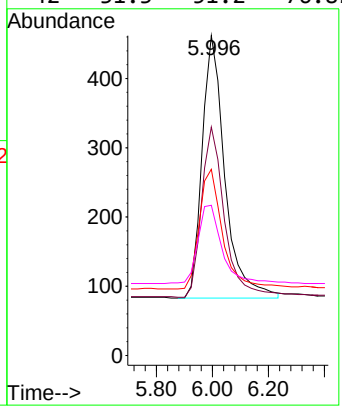


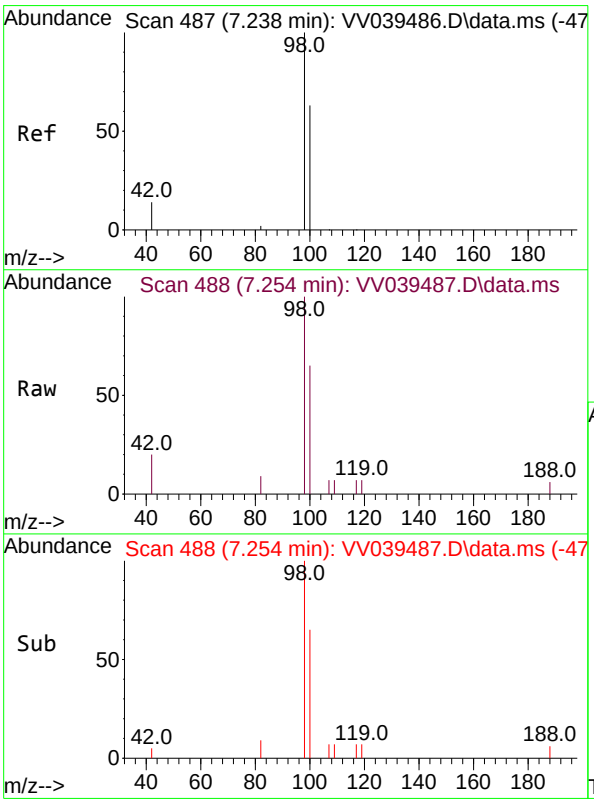
#7
1,2-Dichloropropane-d6
Concen: 0.396 ug/L
RT: 5.996 min Scan# 4
Delta R.T. -0.023 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

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#

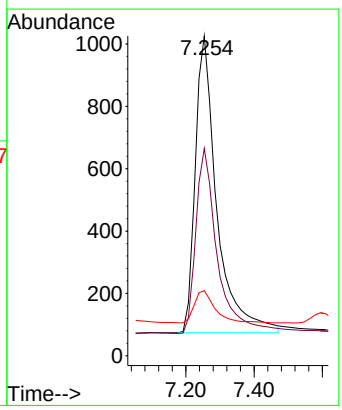


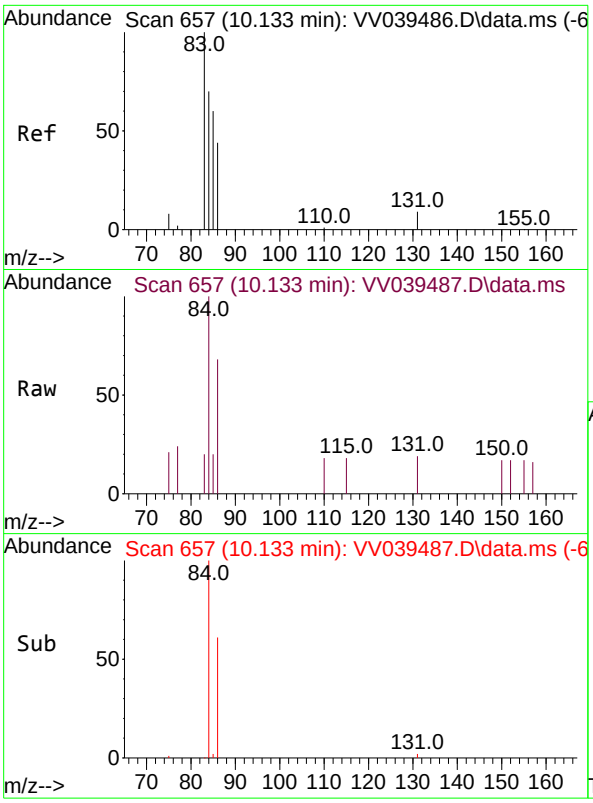


#8
Toluene-d8
Concen: 0.458 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

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



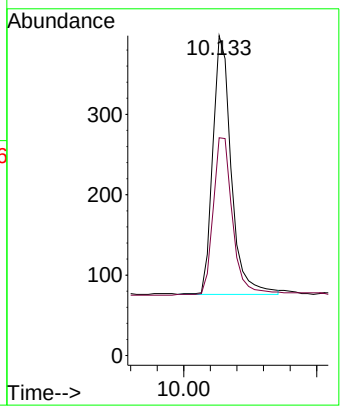


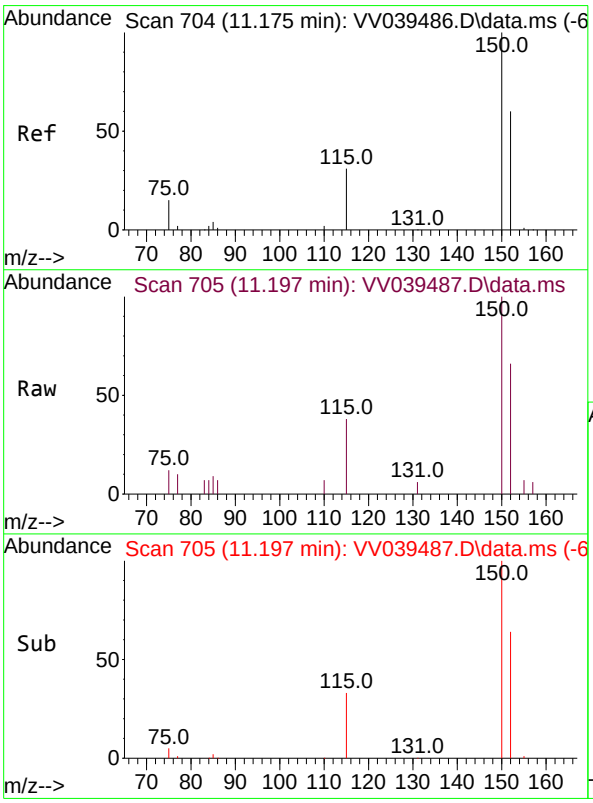
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.508 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

Instrument :
MSVOA_V
ClientSampleId :
VBLK237

Tgt Ion: 84 Resp: 1552

Ion	Ratio	Lower	Upper
84	100		
86	64.0	44.4	82.5

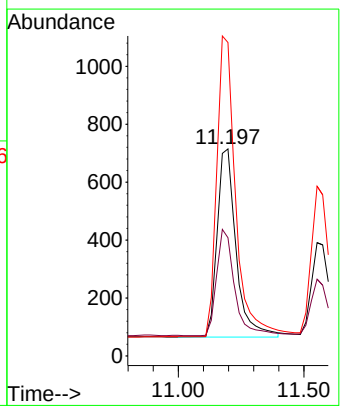




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039502.D
Acq On : 09 Dec 2025 14:29
Operator : SY/MD
Sample : VV1209WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

Quant Time: Dec 10 01:16:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6387	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.801	117	5976	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.198	152	3086	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	3547	0.566	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 114.000%			
4) 1,2-Dichloroethane-d4	4.970	65	1848	0.435	ug/L	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 86.000%			
7) 1,2-Dichloropropane-d6	5.996	67	2092	0.415	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery = 82.000%			
8) Toluene-d8	7.254	98	4027	0.473	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery = 94.000%			
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1438	0.506	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 102.000%			

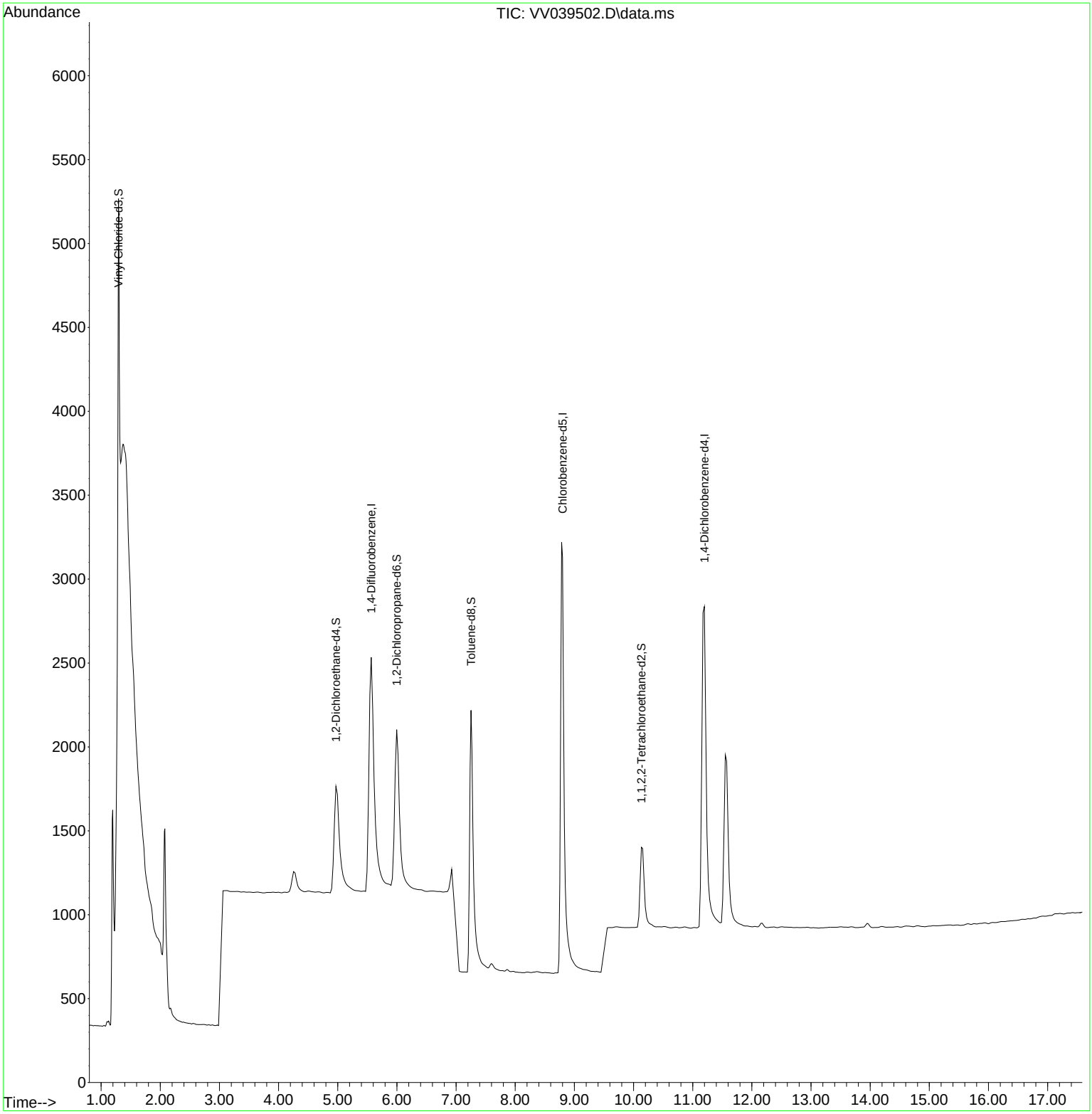
Target Compounds Qvalue

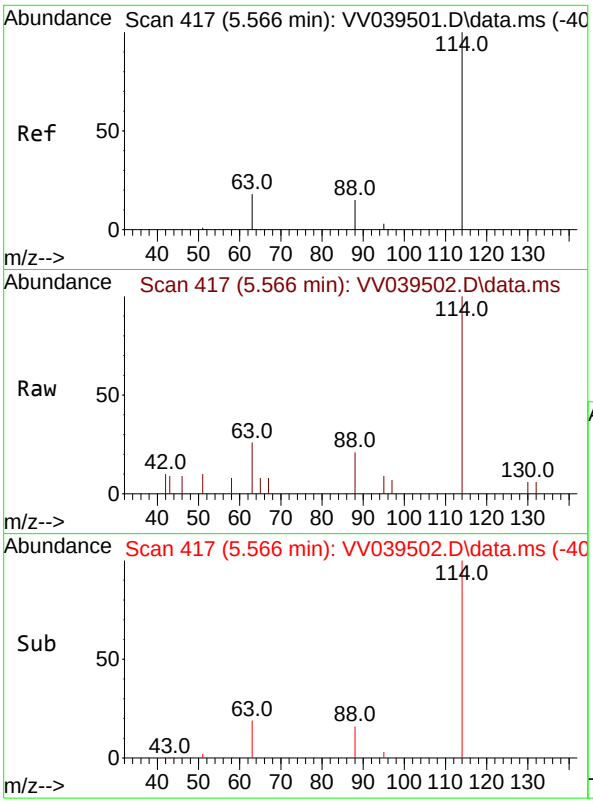
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039502.D
Acq On : 09 Dec 2025 14:29
Operator : SY/MD
Sample : VV1209WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

Quant Time: Dec 10 01:16:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration



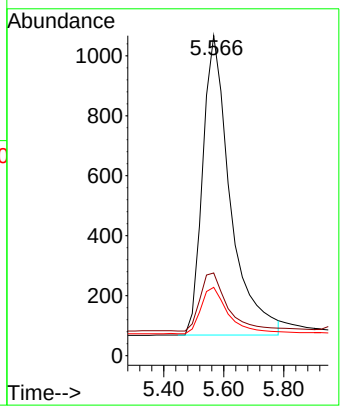


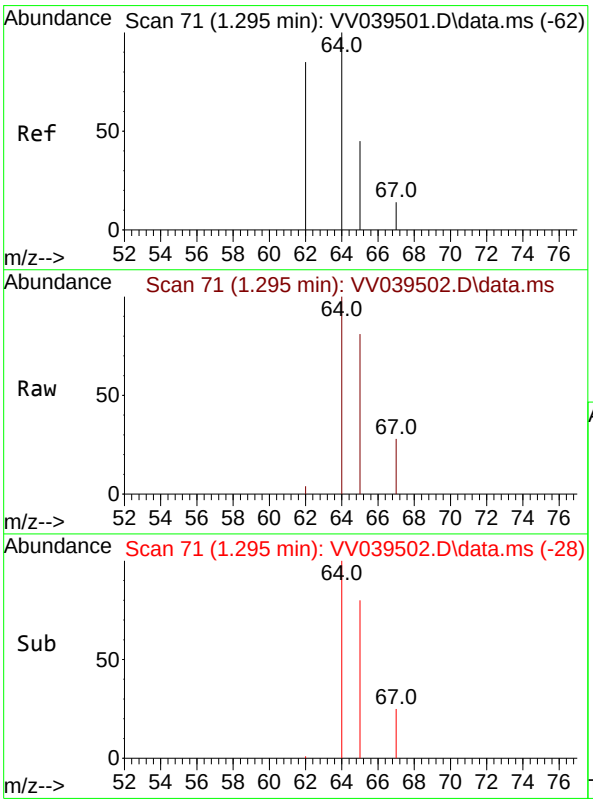
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

Tgt Ion:114 Resp: 6387

Ion	Ratio	Lower	Upper
114	100		
63	19.4	15.0	22.4
88	15.4	12.0	18.0

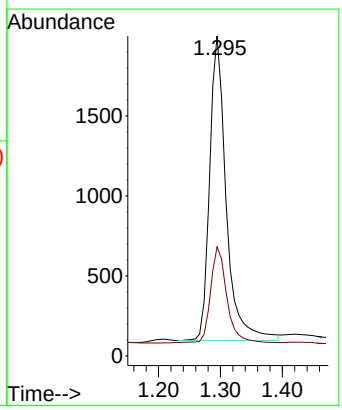


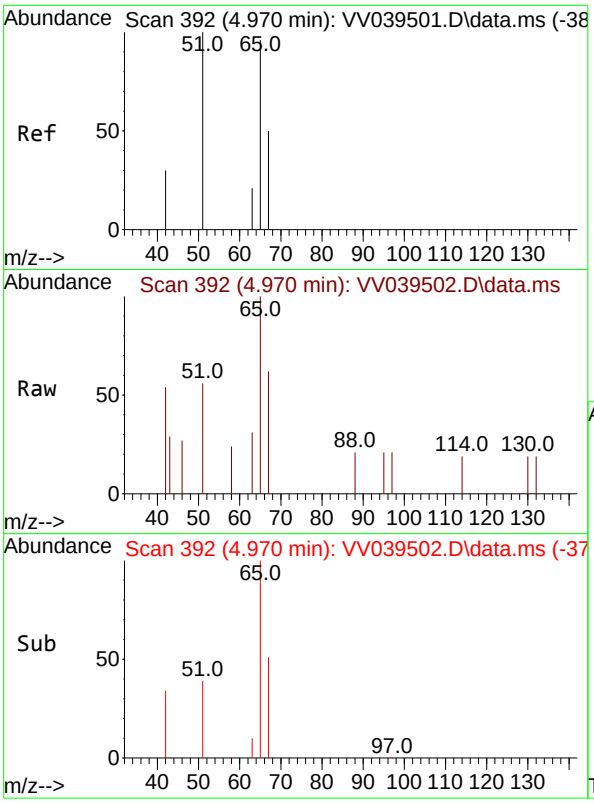


#2
Vinyl Chloride-d3
Concen: 0.566 ug/L
RT: 1.295 min Scan# 71
Delta R.T. 0.001 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Tgt Ion: 65 Resp: 3547

Ion	Ratio	Lower	Upper
65	100		
67	31.5	22.3	41.5



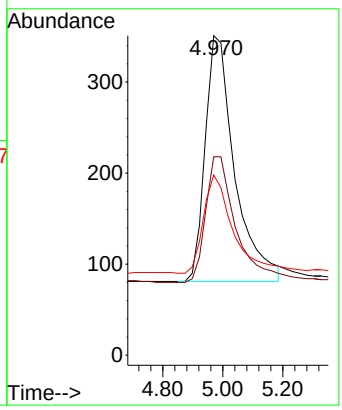


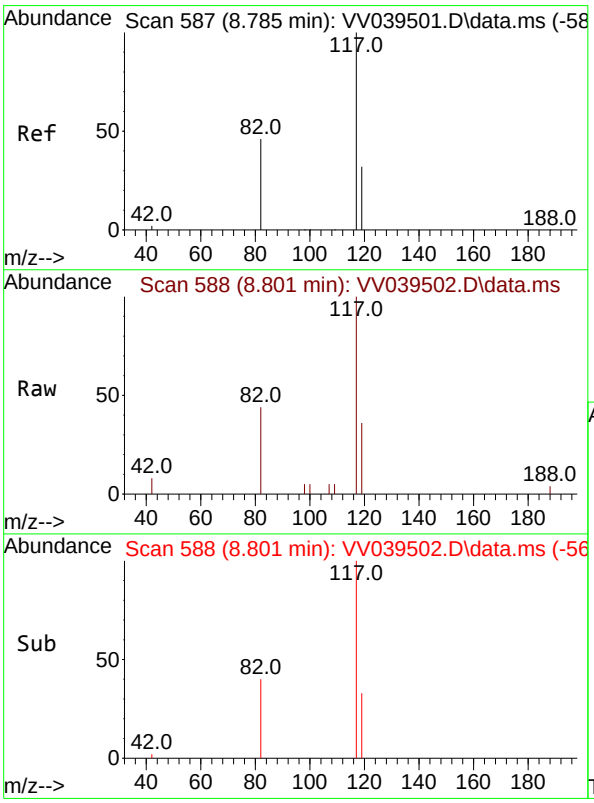
#4
1,2-Dichloroethane-d4
Concen: 0.435 ug/L
RT: 4.970 min Scan# 3
Delta R.T. 0.001 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

Tgt Ion: 65 Resp: 1848

Ion	Ratio	Lower	Upper
65	100		
67	52.3	32.5	60.3
51	39.8	121.4	225.6#

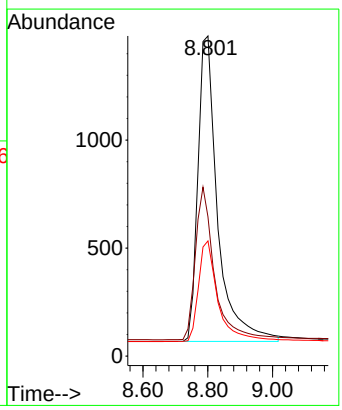


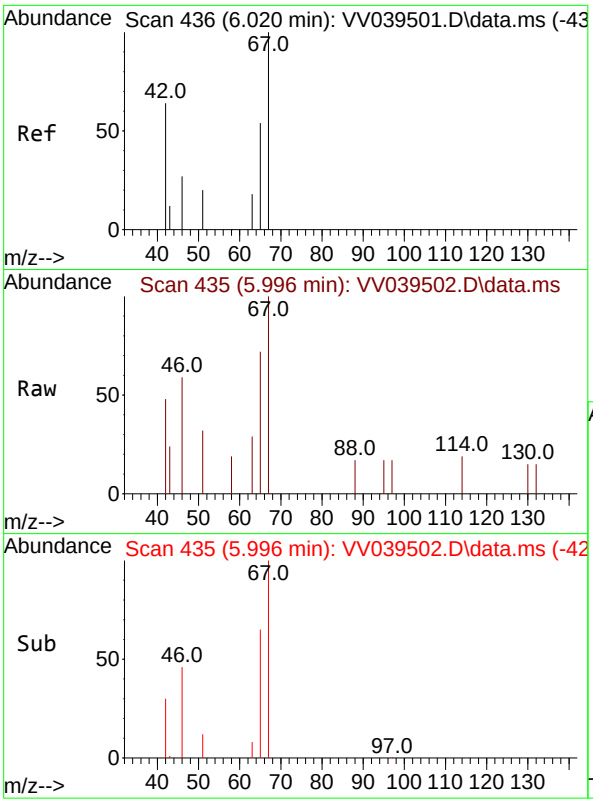


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.801 min Scan# 588
Delta R.T. 0.016 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Tgt Ion:117 Resp: 5976

Ion	Ratio	Lower	Upper
117	100		
82	48.7	39.4	59.2
119	32.9	26.2	39.2



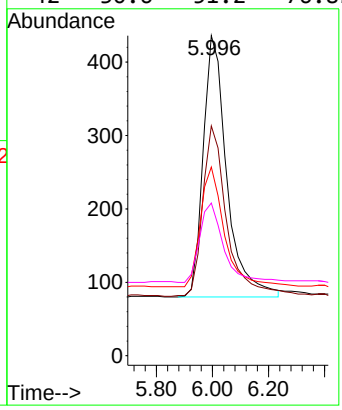


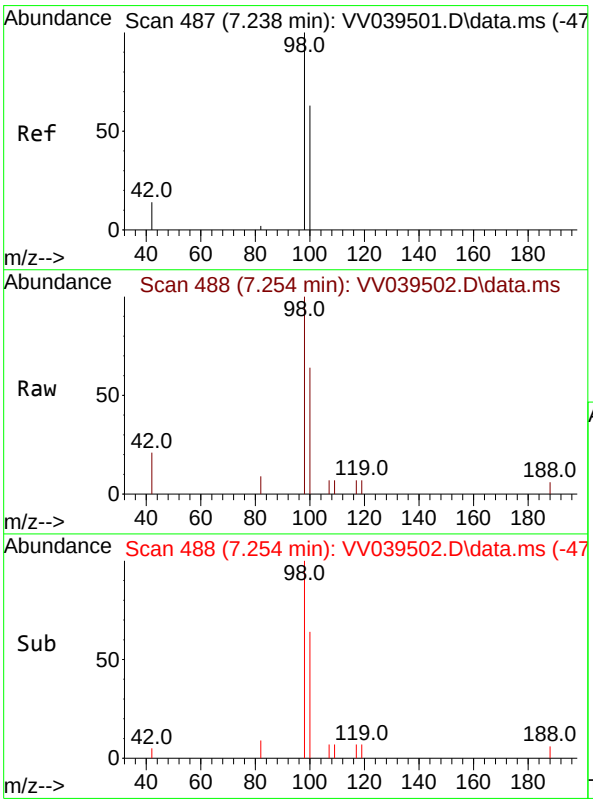
#7
1,2-Dichloropropane-d6
Concen: 0.415 ug/L
RT: 5.996 min Scan# 4
Delta R.T. -0.023 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

Tgt Ion: 67 Resp: 2092

Ion	Ratio	Lower	Upper
67	100		
65	65.8	37.9	56.9#
46	46.0	27.4	41.0#
42	30.6	51.2	76.8#

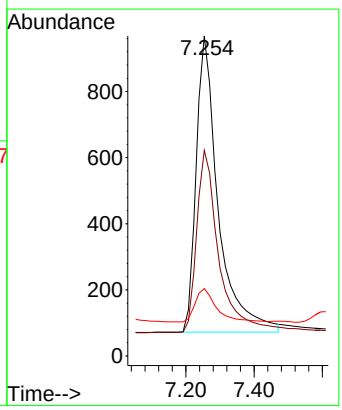


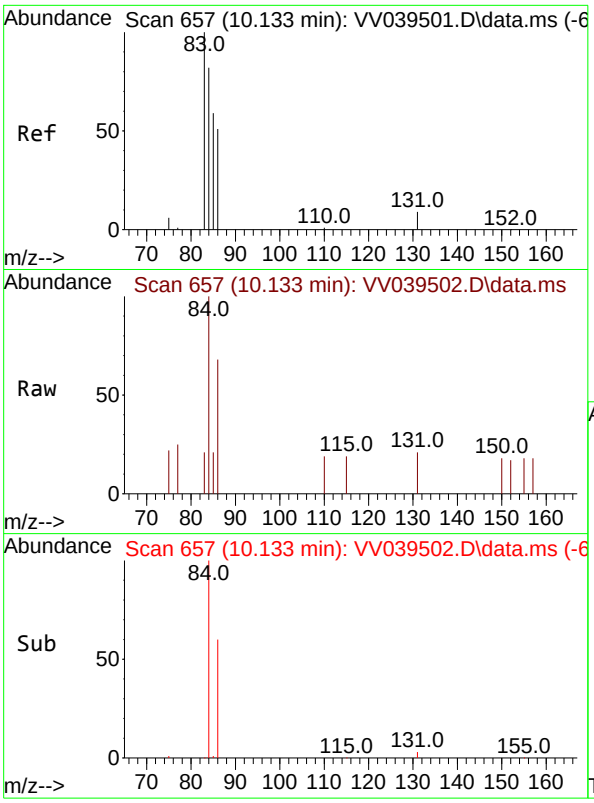


#8
Toluene-d8
Concen: 0.473 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Tgt Ion: 98 Resp: 4027

Ion	Ratio	Lower	Upper
98	100		
100	61.6	44.5	82.7
42	10.7	10.1	18.7



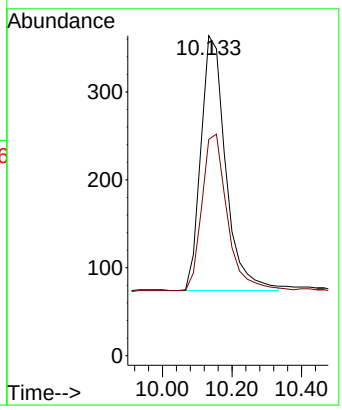


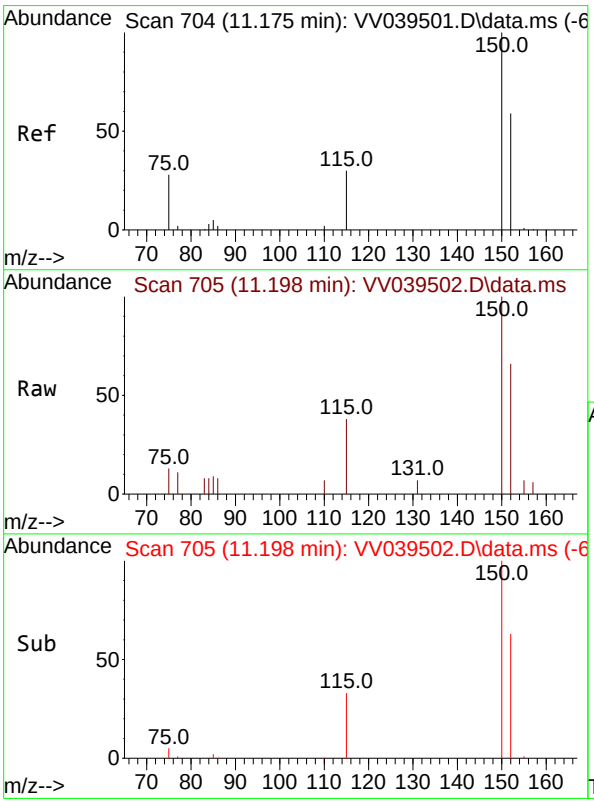
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.506 ug/L
RT: 10.133 min Scan# 6
Delta R.T. 0.000 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

Tgt Ion: 84 Resp: 1438

Ion	Ratio	Lower	Upper
84	100		
86	62.9	44.4	82.5

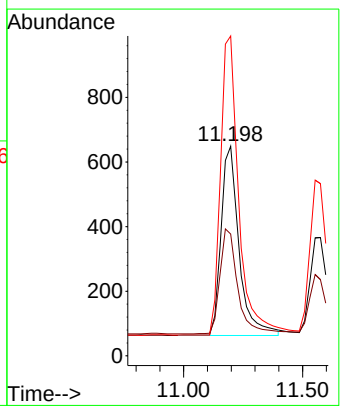




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.198 min Scan# 705
Delta R.T. 0.023 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Tgt Ion:152 Resp: 3086

Ion	Ratio	Lower	Upper
152	100		
115	54.4	0.0	101.6
150	158.6	0.0	396.2



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

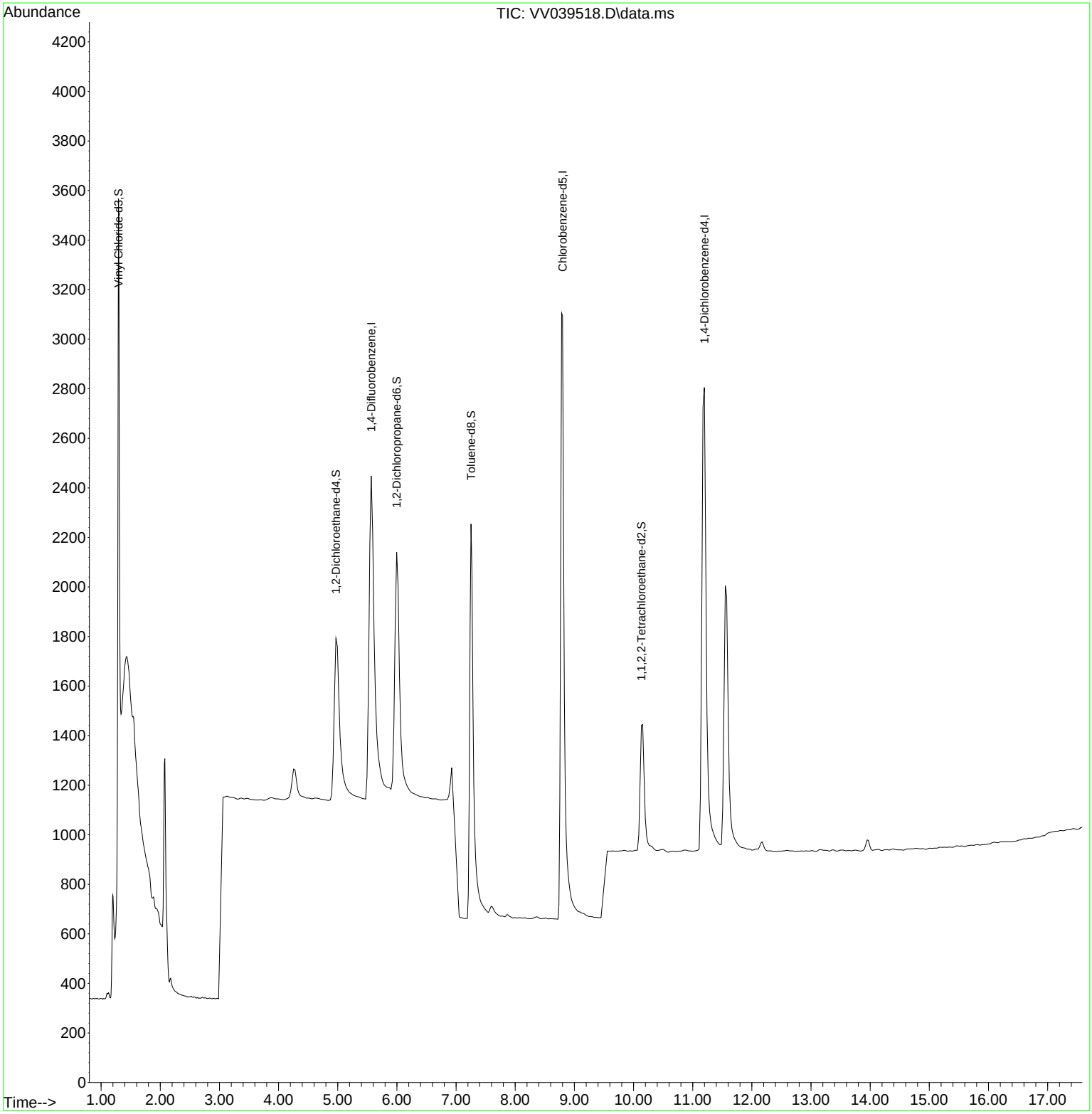
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	5966	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5775	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	2945	0.500	ug/L	0.02
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	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

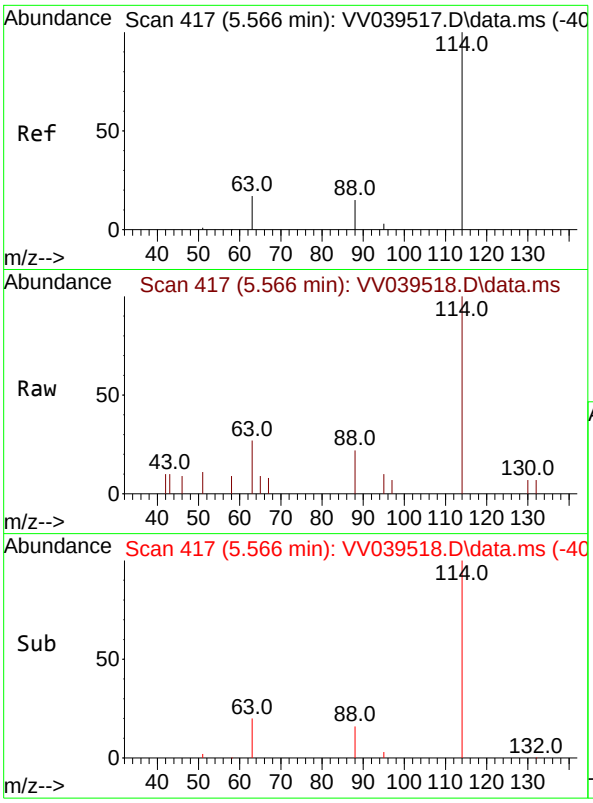
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



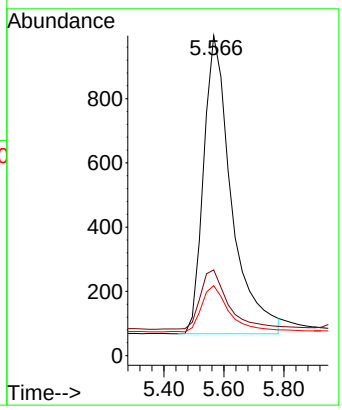


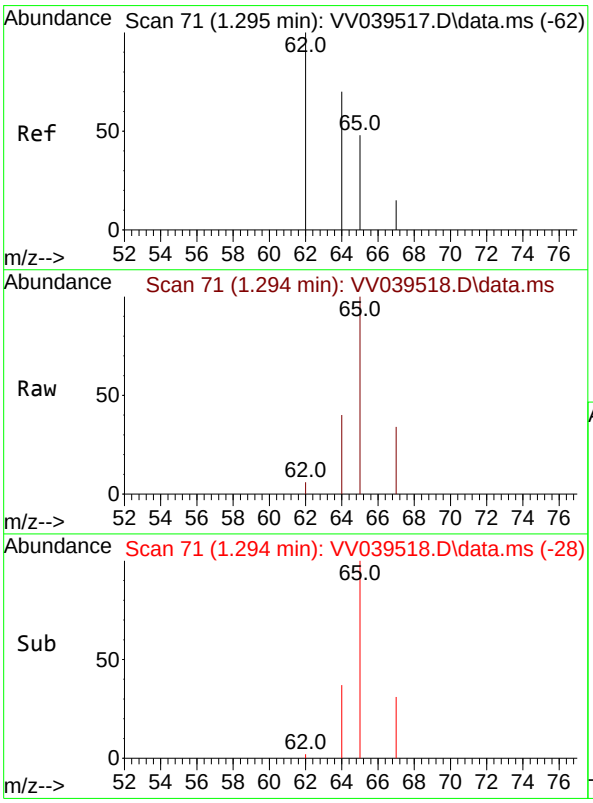
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

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

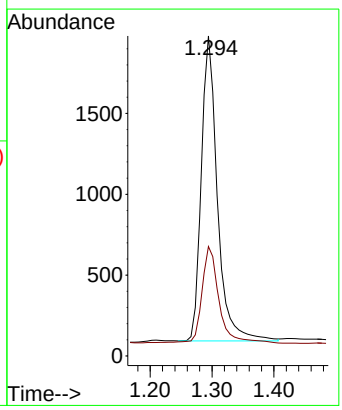


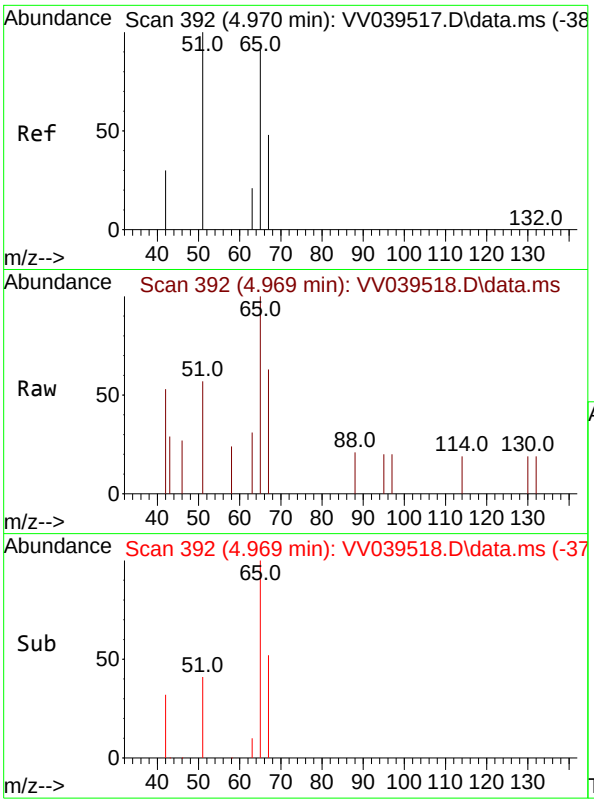


#2
Vinyl Chloride-d3
Concen: 0.582 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

Tgt Ion: 65 Resp: 3410

Ion	Ratio	Lower	Upper
65	100		
67	34.0	22.3	41.5



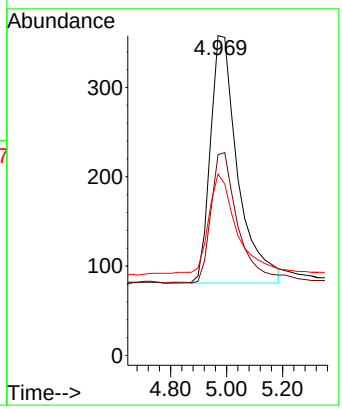


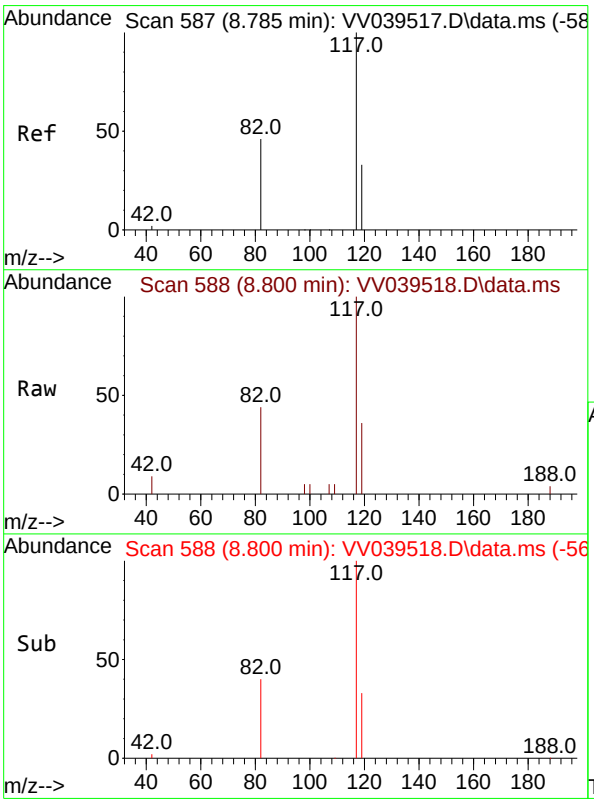
#4
1,2-Dichloroethane-d4
Concen: 0.475 ug/L
RT: 4.969 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

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#

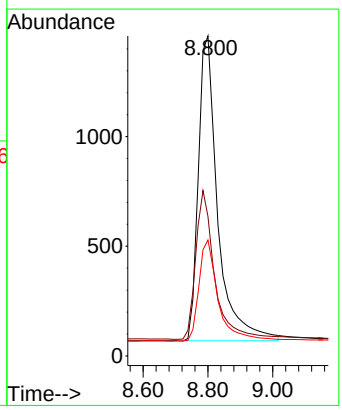


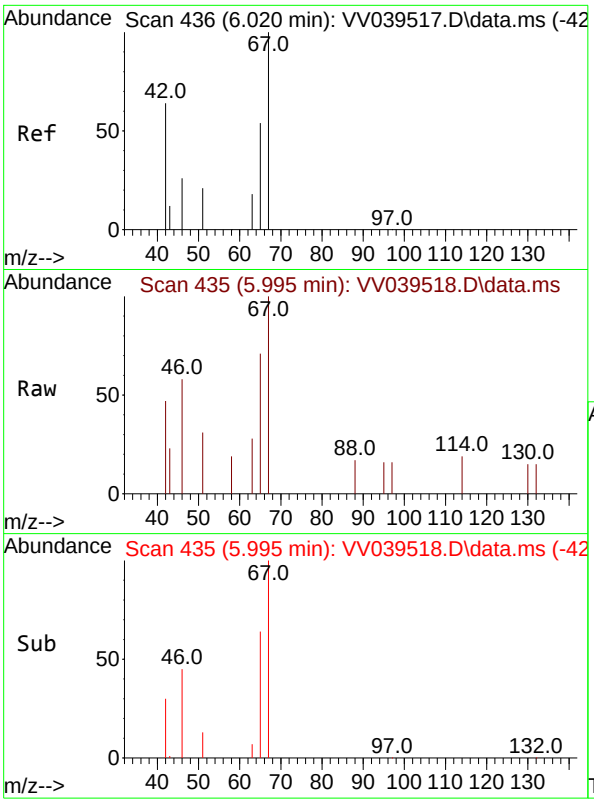


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

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



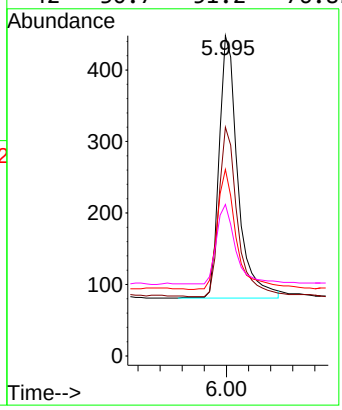


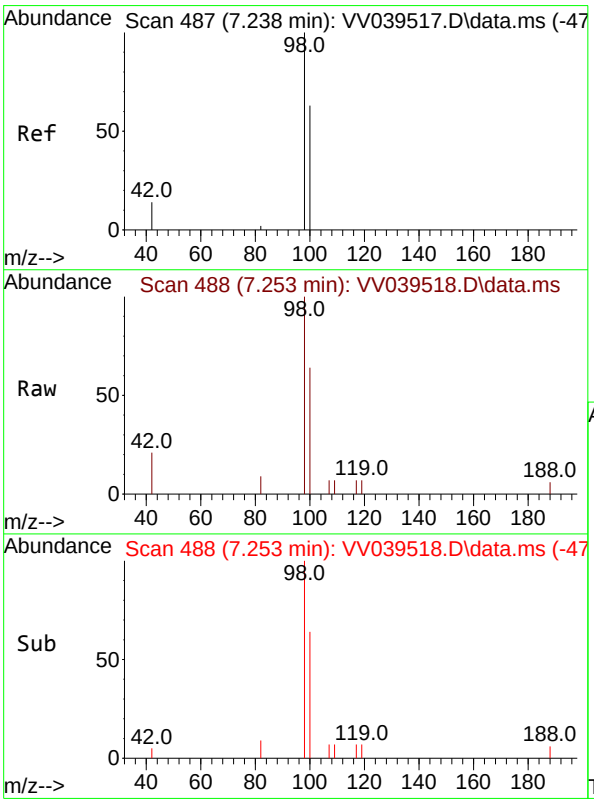
#7
1,2-Dichloropropane-d6
Concen: 0.441 ug/L
RT: 5.995 min Scan# 4
Delta R.T. -0.024 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

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#

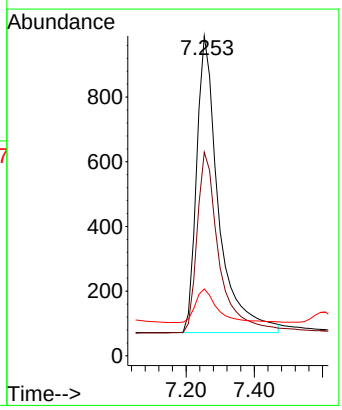


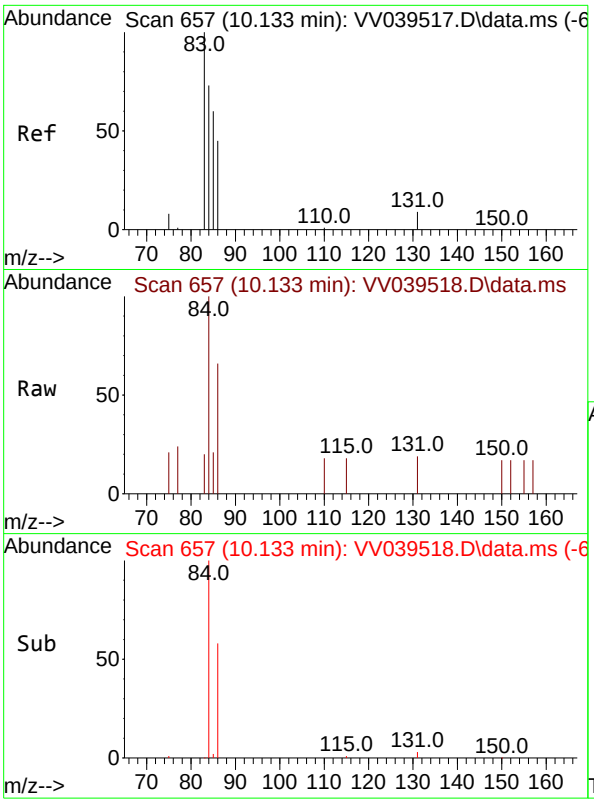


#8
Toluene-d8
Concen: 0.498 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

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



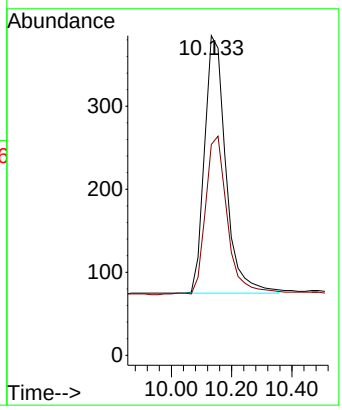


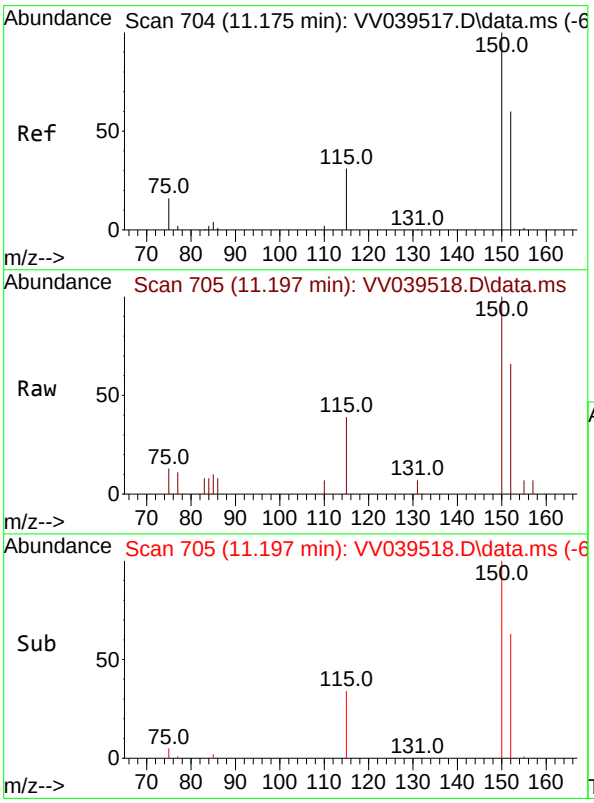
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.554 ug/L
RT: 10.133 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

Instrument :
MSVOA_V
ClientSampleId :
VBLK239

Tgt Ion: 84 Resp: 1521

Ion	Ratio	Lower	Upper
84	100		
86	64.0	44.4	82.5

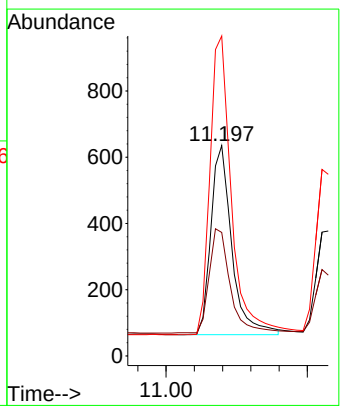




#12
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.197 min Scan# 705
Delta R.T. 0.022 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

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



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Manual Integration Report

Sequence:	VV120325	Instrument	MSVOA_v

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

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Manual Integration Report

Sequence:	VV120825	Instrument	MSVOA_v

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

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Manual Integration Report

Sequence:	VV120925	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3787-16	VV039510.D	Vinyl Chloride-d3	JOHN	12/10/2025 9:02:06 AM	MMDadoda	12/10/2025 10:10:03 AM	Peak Integrated by Software
Q3787-18	VV039511.D	Vinyl Chloride-d3	JOHN	12/10/2025 9:02:14 AM	MMDadoda	12/10/2025 10:10:08 AM	Peak Integrated by Software
Q3787-20	VV039512.D	Vinyl Chloride-d3	JOHN	12/10/2025 9:02:19 AM	MMDadoda	12/10/2025 10:10:12 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VV121025	Instrument	MSVOA_v

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

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

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV120825

Review By	John Carlone	Review On	12/9/2025 1:29:19 PM				
Supervise By	Mahesh 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	VP136594
Initial Calibration Stds	
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	Not Ok
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	Not Ok
11	Q3787-06MSD	VV039495.D	08 Dec 2025 16:02	SY/MD	Not Ok
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

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV120925

Review By	John Carlone	Review On	12/10/2025 8:59:43 AM				
Supervise By	Mahesh Dadoda	Supervise On	12/10/2025 10:11:54 AM				
SubDirectory	VV120925	HP Acquire Method	sim_v		HP Processing Method	SFAMVSIM120325MA.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136595
Initial Calibration Stds	
CCC	VP136592,VP136593
Internal Standard/PEM	VP135611
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB248	VV039500.D	09 Dec 2025 12:56	SY/MD	Ok
2	VSTDCCC0.5	VV039501.D	09 Dec 2025 13:58	SY/MD	Ok
3	VV1209WBL01	VV039502.D	09 Dec 2025 14:29	SY/MD	Ok
4	Q3757-02	VV039503.D	09 Dec 2025 15:00	SY/MD	Ok
5	Q3757-06	VV039504.D	09 Dec 2025 15:21	SY/MD	Ok,M
6	Q3757-11	VV039505.D	09 Dec 2025 15:42	SY/MD	Ok
7	Q3787-08	VV039506.D	09 Dec 2025 16:03	SY/MD	Ok
8	Q3787-10	VV039507.D	09 Dec 2025 16:24	SY/MD	Ok
9	Q3787-12	VV039508.D	09 Dec 2025 16:45	SY/MD	Ok
10	Q3787-14	VV039509.D	09 Dec 2025 17:06	SY/MD	Ok
11	Q3787-16	VV039510.D	09 Dec 2025 17:27	SY/MD	Ok,M
12	Q3787-18	VV039511.D	09 Dec 2025 17:48	SY/MD	Ok,M
13	Q3787-20	VV039512.D	09 Dec 2025 18:09	SY/MD	Ok,M
14	VIBLK234	VV039513.D	09 Dec 2025 18:30	SY/MD	Ok,M
15	Q3757-14	VV039514.D	09 Dec 2025 18:51	SY/MD	Ok,M
16	VSTDCCC0.5EC	VV039515.D	09 Dec 2025 19:12	SY/MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch 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	VP136620
Initial Calibration Stds	
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

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV120325

Review By	John Carlone	Review On	12/4/2025 8:40:56 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:13:50 PM		
SubDirectory	VV120325	HP Acquire Method	MSVOA_V	HP Processing Method	SFAMVSIM120325MA.M

STD. NAME	STD REF.#
Tune/Reschk	VP136558
Initial Calibration Stds	VP136546,VP136547,VP136548,VP136549,VP136550,VP136551,
CCC	VP136553
Internal Standard/PEM	VP135611
ICV/I.BLK	VP136552
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB244	BFB244	VV039444.D	03 Dec 2025 09:23		SY/MD	Ok
2	VSTD0.0269	VSTD0.02269	VV039445.D	03 Dec 2025 09:55	added NEW-low level	SY/MD	Ok
3	VSTD0.0570	VSTD0.05270	VV039446.D	03 Dec 2025 10:32		SY/MD	Ok
4	VSTD0.171	VSTD0.1271	VV039447.D	03 Dec 2025 10:58	SFAM -sim-method	SY/MD	Ok
5	VSTD0.572	VSTD0.5272	VV039448.D	03 Dec 2025 11:25	Modified for analyte-1122-tetrachloroethane	SY/MD	Ok
6	VSTD00173	VSTD001273	VV039449.D	03 Dec 2025 11:52	pH#lot#v14222	SY/MD	Ok
7	VSTD00274	VSTD002274	VV039450.D	03 Dec 2025 12:18		SY/MD	Ok
8	VSTDICV0.5	VICV275	VV039451.D	03 Dec 2025 12:56		SY/MD	Ok
9	VV1203WBL01	VBLK234	VV039452.D	03 Dec 2025 13:50		SY/MD	Ok
10	Q3743-05	TB	VV039453.D	03 Dec 2025 14:42	pH#1.0 B,TB	SY/MD	Ok
11	Q3743-01	TW-1125-1	VV039454.D	03 Dec 2025 15:03	pH#1.0 C	SY/MD	Ok
12	Q3743-02	TW-1125-2	VV039455.D	03 Dec 2025 15:24	pH#1.0 C	SY/MD	Ok
13	VSTDCCC0.5EC	VSTD0.5332	VV039456.D	03 Dec 2025 15:59		SY/MD	Ok

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV120825

Review By	John Carlone	Review On	12/9/2025 1:29:19 PM		
Supervise By	Mahesh 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	VP136594
Initial Calibration Stds	
CCC	VP136596,VP136597
Internal Standard/PEM	VP135611
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	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-S	VV039489.D	08 Dec 2025 13:54	pH#1.0 A, SIM analysis not required	SY/MD	Not Ok
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-S	VV039494.D	08 Dec 2025 15:41	pH#1.0 A, SIM analysis not required	SY/MD	Not Ok
11	Q3787-06MSD	MW-15B-42.5-120425-S	VV039495.D	08 Dec 2025 16:02	pH#1.0 A, SIM analysis not required	SY/MD	Not Ok
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

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV120925

Review By	John Carlone	Review On	12/10/2025 8:59:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/10/2025 10:11:54 AM		
SubDirectory	VV120925	HP Acquire Method	sim_v	HP Processing Method	SFAMVSIM120325MA.M

STD. NAME	STD REF.#
Tune/Reschk	VP136595
Initial Calibration Stds	
CCC	VP136592,VP136593
Internal Standard/PEM	VP135611
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB248	BFB248	VV039500.D	09 Dec 2025 12:56		SY/MD	Ok
2	VSTDCCC0.5	VSTD0.5339	VV039501.D	09 Dec 2025 13:58	pH#lot#v14222	SY/MD	Ok
3	VV1209WBL01	VBLK238	VV039502.D	09 Dec 2025 14:29		SY/MD	Ok
4	Q3757-02	MW-14A-17.5-120325-S	VV039503.D	09 Dec 2025 15:00	pH#1.0 B	SY/MD	Ok
5	Q3757-06	MW-14B-46-120325-SI	VV039504.D	09 Dec 2025 15:21	pH#1.0 B	SY/MD	Ok,M
6	Q3757-11	EB01-120325	VV039505.D	09 Dec 2025 15:42	EB	SY/MD	Ok
7	Q3787-08	OWBR-02-170-120425-	VV039506.D	09 Dec 2025 16:03	pH#1.0 A	SY/MD	Ok
8	Q3787-10	OWBR-02-170-120425-	VV039507.D	09 Dec 2025 16:24	pH#1.0 A	SY/MD	Ok
9	Q3787-12	OW-03B-51.5-120425-S	VV039508.D	09 Dec 2025 16:45	pH#1.0 A	SY/MD	Ok
10	Q3787-14	OW-03B-51.5-120425-S	VV039509.D	09 Dec 2025 17:06	pH#1.0 A	SY/MD	Ok
11	Q3787-16	OW-08B-72.5-120425-S	VV039510.D	09 Dec 2025 17:27	pH#1.0 A	SY/MD	Ok,M
12	Q3787-18	OW-08B-72.5-120425-S	VV039511.D	09 Dec 2025 17:48	pH#1.0 A	SY/MD	Ok,M
13	Q3787-20	OW-02B-21.2-120425-S	VV039512.D	09 Dec 2025 18:09	pH#1.0 A	SY/MD	Ok,M
14	VIBLK234	VIBLK234	VV039513.D	09 Dec 2025 18:30		SY/MD	Ok,M
15	Q3757-14	VHBLK001	VV039514.D	09 Dec 2025 18:51	pH#1.0 A ,SB	SY/MD	Ok,M
16	VSTDCCC0.5EC	VSTD0.5340	VV039515.D	09 Dec 2025 19:12		SY/MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch 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	VP136620
Initial Calibration Stds	
CCC	VP136621,VP136622
Internal Standard/PEM	VP135611
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	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	VHBLK001	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-	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

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LAB CHRONICLE

OrderID:	Q3787	**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
Q3787-01	**MW-15B-42.5-120425**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/08/25	
Q3787-07	**OWBR-02-170-120425**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/08/25	
Q3787-07RE	**OWBR-02-170-120425RE**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/10/25	
Q3787-08	**OWBR-02-170-120425-SIM**	**Water**			**12/04/25**			**12/04/25**
			VOC-SIM	SFAM_VOCSIM			12/09/25	
Q3787-09	**OWBR-02-170-120425-FD**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/08/25	
Q3787-09RE	**OWBR-02-170-120425-FDRE**	**Water**			**12/04/25**			**12/04/25**
			VOCMS Group3	8260-Low			12/10/25	
Q3787-10	**OWBR-02-170-120425-SIM-FD**	**Water**			**12/04/25**			**12/04/25**
			VOC-SIM	SFAM_VOCSIM			12/09/25	

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LAB CHRONICLE

Q3787-11	**OW-03B-51.5-120425**	**Water**			**12/04/25**		**12/04/25**
			VOCMS Group3	8260-Low		12/08/25	
Q3787-11RE	**OW-03B-51.5-120425 RE**	**Water**			**12/04/25**		**12/04/25**
			VOCMS Group3	8260-Low		12/10/25	
Q3787-12	**OW-03B-51.5-120425 -SIM**	**Water**			**12/04/25**		**12/04/25**
			VOC-SIM	SFAM_VOCSIM		12/09/25	
Q3787-13	**OW-03B-51.5-120425 -FD**	**Water**			**12/04/25**		**12/04/25**
			VOCMS Group3	8260-Low		12/08/25	
Q3787-13RE	**OW-03B-51.5-120425 -FDRE**	**Water**			**12/04/25**		**12/04/25**
			VOCMS Group3	8260-Low		12/10/25	
Q3787-14	**OW-03B-51.5-120425 -SIM-FD**	**Water**			**12/04/25**		**12/04/25**
			VOC-SIM	SFAM_VOCSIM		12/09/25	
Q3787-15	**OW-08B-72.5-120425**	**Water**			**12/04/25**		**12/04/25**
			VOCMS Group3	8260-Low		12/08/25	
Q3787-16	**OW-08B-72.5-120425 -SIM**	**Water**			**12/04/25**		**12/04/25**
			VOC-SIM	SFAM_VOCSIM		12/09/25	
Q3787-17	**OW-08B-72.5-120425 -FD**	**Water**			**12/04/25**		**12/04/25**
			VOCMS Group3	8260-Low		12/08/25	
Q3787-17RE	**OW-08B-72.5-120425 -FDRE**	**Water**			**12/04/25**		**12/04/25**
			VOCMS Group3	8260-Low		12/10/25	
Q3787-18	**OW-08B-72.5-120425 -SIM-FD**	**Water**			**12/04/25**		**12/04/25**

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LAB CHRONICLE

			VOC-SIM	SFAM_VOCSIM		12/09/25	
Q3787-19	**OW-02B-21.2-120425**	**Water**			**12/04/25**		**12/04/25**
			VOCMS Group3	8260-Low		12/10/25	
Q3787-20	**OW-02B-21.2-120425 -SIM**	**Water**			**12/04/25**		**12/04/25**
			VOC-SIM	SFAM_VOCSIM		12/09/25	
Q3787-21	**TB01-120425**	**Water**			**12/04/25**		**12/04/25**
			VOCMS Group3	8260-Low		12/10/25	
			VOC-SIM	SFAM_VOCSIM		12/08/25	
Q3787-22	**VHBLK001**	**Water**			**12/04/25**		**12/04/25**
			VOC-SIM	SFAM_VOCSIM		12/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3787

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

SAMPLE DATA

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	MW-15B-42.5-120425	SDG No.:	Q3787
Lab Sample ID:	Q3787-01	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	890 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/08/25		

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	0.22	ug/L	12/12/25 04:13	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.24			30 (47) - 150 (106)	60%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 (54) - 150 (157)	88%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.29			30 (56) - 130 (116)	72%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.26			30 (50) - 130 (126)	65%	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	5970							
1146-65-2	Naphthalene-d8	15800							
15067-26-2	Acenaphthene-d10	7970							
1517-22-2	Phenanthrene-d10	14200							
1719-03-5	Chrysene-d12	10500							
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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OWBR-02-170-120425	SDG No.:	Q3787
Lab Sample ID:	Q3787-07	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	910 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/08/25		

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	0.22	ug/L	12/11/25 15:27	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.24			30 (47) - 150 (106)	59%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 (54) - 150 (157)	86%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.28			30 (56) - 130 (116)	71%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.24			30 (50) - 130 (126)	61%	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	5140							
1146-65-2	Naphthalene-d8	14000							
15067-26-2	Acenaphthene-d10	7300							
1517-22-2	Phenanthrene-d10	13600							
1719-03-5	Chrysene-d12	10400							
1520-96-3	Perylene-d12	10500							

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OWBR-02-170-120425-FD	SDG No.:	Q3787
Lab Sample ID:	Q3787-09	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	940 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 16:03	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.24			30 (47) - 150 (106)	60%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.33			30 (54) - 150 (157)	82%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.29			30 (56) - 130 (116)	73%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.24			30 (50) - 130 (126)	60%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.37			30 (54) - 130 (175)	93%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	5570							
1146-65-2	Naphthalene-d8	15100							
15067-26-2	Acenaphthene-d10	7770							
1517-22-2	Phenanthrene-d10	14300							
1719-03-5	Chrysene-d12	10900							
1520-96-3	Perylene-d12	10900							

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-03B-51.5-120425	SDG No.:	Q3787
Lab Sample ID:	Q3787-11	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	950 mL Final Vol: 1000 uL	Test:	SVOC-SIMGroup1
Prep Method :	3510C Prep Date: 12/08/25		

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 16:39	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.27			30 (47) - 150 (106)	67%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	90%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.30			30 (56) - 130 (116)	76%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.29			30 (50) - 130 (126)	73%	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	5610							
1146-65-2	Naphthalene-d8	15300							
15067-26-2	Acenaphthene-d10	7830							
1517-22-2	Phenanthrene-d10	14200							
1719-03-5	Chrysene-d12	11600							
1520-96-3	Perylene-d12	11900							

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-03B-51.5-120425-FD	SDG No.:	Q3787
Lab Sample ID:	Q3787-13	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 17:15	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.28			30 (47) - 150 (106)	71%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.37			30 (54) - 150 (157)	93%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.32			30 (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	0.44			30 (54) - 130 (175)	109%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	5360							
1146-65-2	Naphthalene-d8	14600							
15067-26-2	Acenaphthene-d10	7570							
1517-22-2	Phenanthrene-d10	13800							
1719-03-5	Chrysene-d12	11100							
1520-96-3	Perylene-d12	11100							

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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-08B-72.5-120425	SDG No.:	Q3787
Lab Sample ID:	Q3787-15	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	0.070	U	1	0.070	0.20	ug/L	12/11/25 17:52	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.29			30 (47) - 150 (106)	72%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.38			30 (54) - 150 (157)	95%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.34			30 (56) - 130 (116)	86%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.30			30 (50) - 130 (126)	76%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.42			30 (54) - 130 (175)	105%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	4850							
1146-65-2	Naphthalene-d8	13300							
15067-26-2	Acenaphthene-d10	7310							
1517-22-2	Phenanthrene-d10	14300							
1719-03-5	Chrysene-d12	11500							
1520-96-3	Perylene-d12	11600							

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-08B-72.5-120425-FD	SDG No.:	Q3787
Lab Sample ID:	Q3787-17	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	990 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 18:28	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.27			30 (47) - 150 (106)	68%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 (54) - 150 (157)	88%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.31			30 (56) - 130 (116)	76%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.27			30 (50) - 130 (126)	67%	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	4750							
1146-65-2	Naphthalene-d8	13100							
15067-26-2	Acenaphthene-d10	7380							
1517-22-2	Phenanthrene-d10	14300							
1719-03-5	Chrysene-d12	11000							
1520-96-3	Perylene-d12	11100							

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

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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	OW-02B-21.2-120425	SDG No.:	Q3787
Lab Sample ID:	Q3787-19	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	0.080	U	1	0.080	0.23	ug/L	12/11/25 19:04	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.28			30 (47) - 150 (106)	69%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 (54) - 150 (157)	88%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.33			30 (56) - 130 (116)	81%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.29			30 (50) - 130 (126)	74%	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	5840							
1146-65-2	Naphthalene-d8	16300							
15067-26-2	Acenaphthene-d10	8730							
1517-22-2	Phenanthrene-d10	16100							
1719-03-5	Chrysene-d12	12600							
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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3787

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
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)
Q3787-01	MW-15B-42.5-120425	2-Methylnaphthalene-d10	0.4	0.24	60		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.35	88		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.29	72		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.26	65		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.41	102		30 (54)	130 (175)
Q3787-02MS	MW-15B-42.5-120425MS	2-Methylnaphthalene-d10	0.4	0.26	66		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.35	88		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	82		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.30	75		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.38	96		30 (54)	130 (175)
Q3787-03MSD	MW-15B-42.5-120425MSD	2-Methylnaphthalene-d10	0.4	0.26	64		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.36	89		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	80		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.32	79		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.37	93		30 (54)	130 (175)
Q3787-07	OWBR-02-170-120425	2-Methylnaphthalene-d10	0.4	0.24	59		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.35	86		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.28	71		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.24	61		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.40	101		30 (54)	130 (175)
Q3787-09	OWBR-02-170-120425-FD	2-Methylnaphthalene-d10	0.4	0.24	60		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.33	82		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.29	73		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.24	60		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.37	93		30 (54)	130 (175)
Q3787-11	OW-03B-51.5-120425	2-Methylnaphthalene-d10	0.4	0.27	67		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.36	90		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.30	76		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.29	73		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.40	100		30 (54)	130 (175)
Q3787-13	OW-03B-51.5-120425-FD	2-Methylnaphthalene-d10	0.4	0.28	71		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.37	93		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	81		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.32	79		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.44	109		30 (54)	130 (175)
Q3787-15	OW-08B-72.5-120425	2-Methylnaphthalene-d10	0.4	0.29	72		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.38	95		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.34	86		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.30	76		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.42	105		30 (54)	130 (175)
Q3787-17	OW-08B-72.5-120425-FD	2-Methylnaphthalene-d10	0.4	0.27	68		30 (47)	150 (106)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SW-846

SDG No.: Q3787

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3787-17	OW-08B-72.5-120425-FD	Fluoranthene-d10	0.4	0.35	88		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.31	76		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.27	67		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.40	100		30 (54)	130 (175)
Q3787-19	OW-02B-21.2-120425	2-Methylnaphthalene-d10	0.4	0.28	69		30 (47)	150 (106)
		Fluoranthene-d10	0.4	0.35	88		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	81		30 (56)	130 (116)
		2-Fluorobiphenyl	0.4	0.29	74		30 (50)	130 (126)
		Terphenyl-d14	0.4	0.38	96		30 (54)	130 (175)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3787 **Analytical Method:** SW8270-Modified

Client: JACOBS Engineering Group, Inc. **DataFile:** BN038338.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3787-02MS		**Client Sample ID:** MW-15B-42.5-120425MS									
1,4-Dioxane	0.45	0	0.20	ug/L	44				20 (10)	160 (175)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3787 **Analytical Method:** SW8270-Modified

Client: JACOBS Engineering Group, Inc. **DataFile:** BN038339.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q3787-03MSD		**Client Sample ID:** MW-15B-42.5-120425MSD									
1,4-Dioxane	0.44	0	0.20	ug/L	45		2		20 (10)	160 (175)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3787 **Analytical Method:** 8270-Modified

Client: JACOBS Engineering Group, Inc. **DataFile:** BN038327.D

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

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170850BL

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q3787

Lab File ID: BN038312.D | Lab Sample ID: PB170850BL

Instrument ID: BNA_N | Date Extracted: 12/08/2025

Matrix: (soil/water) Water | Date Analyzed: 12/11/2025

Level: (low/med) LOW | Time Analyzed: 11:49

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
OWBR-02-170-120425	Q3787-07	BN038318.D	12/11/2025
MW-15B-42.5-120425	Q3787-01	BN038337.D	12/12/2025
MW-15B-42.5-120425MS	Q3787-02MS	BN038338.D	12/12/2025
MW-15B-42.5-120425MSD	Q3787-03MSD	BN038339.D	12/12/2025
OWBR-02-170-120425-FD	Q3787-09	BN038319.D	12/11/2025
OW-03B-51.5-120425	Q3787-11	BN038320.D	12/11/2025
OW-03B-51.5-120425-FD	Q3787-13	BN038321.D	12/11/2025
OW-08B-72.5-120425	Q3787-15	BN038322.D	12/11/2025
OW-08B-72.5-120425-FD	Q3787-17	BN038323.D	12/11/2025
OW-02B-21.2-120425	Q3787-19	BN038324.D	12/11/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q3787

Lab File ID: BN038297.D DFTPP Injection Date: 12/10/2025

Instrument ID: BNA_N DFTPP Injection Time: 09:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	37.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	92.6
443	15.0 - 24.0% of mass 442	16.9 (18.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN038298.D	12/10/2025	09:52
SSTDICC0.2	SSTDICC0.2	BN038299.D	12/10/2025	10:28
SSTDICCC0.4	SSTDICCC0.4	BN038300.D	12/10/2025	11:05
SSTDICC0.8	SSTDICC0.8	BN038301.D	12/10/2025	11:41
SSTDICC1.6	SSTDICC1.6	BN038302.D	12/10/2025	12:17
SSTDICC3.2	SSTDICC3.2	BN038303.D	12/10/2025	12:53
SSTDICC5.0	SSTDICC5.0	BN038304.D	12/10/2025	13:30

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q3787

Lab File ID: BN038310.D DFTPP Injection Date: 12/11/2025

Instrument ID: BNA_N DFTPP Injection Time: 10:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.2) 1
69	Mass 69 relative abundance	36.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13
442	Greater than 50% of mass 198	87.3
443	15.0 - 24.0% of mass 442	16.6 (19) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN038311.D	12/11/2025	11:13
PB170850BL	PB170850BL	BN038312.D	12/11/2025	11:49
OWBR-02-170-120425	Q3787-07	BN038318.D	12/11/2025	15:27
OWBR-02-170-120425-FD	Q3787-09	BN038319.D	12/11/2025	16:03
OW-03B-51.5-120425	Q3787-11	BN038320.D	12/11/2025	16:39
OW-03B-51.5-120425-FD	Q3787-13	BN038321.D	12/11/2025	17:15
OW-08B-72.5-120425	Q3787-15	BN038322.D	12/11/2025	17:52
OW-08B-72.5-120425-FD	Q3787-17	BN038323.D	12/11/2025	18:28
OW-02B-21.2-120425	Q3787-19	BN038324.D	12/11/2025	19:04
PB170850BS	PB170850BS	BN038327.D	12/11/2025	20:52

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q3787

Lab File ID: BN038329.D DFTPP Injection Date: 12/11/2025

Instrument ID: BNA_N DFTPP Injection Time: 23:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	95.1
443	15.0 - 24.0% of mass 442	18.9 (19.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN038330.D	12/11/2025	23:59
MW-15B-42.5-120425	Q3787-01	BN038337.D	12/12/2025	04:13
MW-15B-42.5-120425MS	Q3787-02MS	BN038338.D	12/12/2025	04:49
MW-15B-42.5-120425MSD	Q3787-03MSD	BN038339.D	12/12/2025	05:25

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3787

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-03B-51.5-120425	5614	7.72	15321	10.53	7828	14.40
02	OW-03B-51.5-120425-FD	5356	7.72	14557	10.53	7569	14.40
03	OW-08B-72.5-120425	4848	7.72	13267	10.53	7308	14.40
04	OW-08B-72.5-120425-FD	4745	7.72	13148	10.53	7382	14.40
05	OW-02B-21.2-120425	5836	7.72	16262	10.52	8730	14.39
06	PB170850BS	6134	7.72	16248	10.52	7966	14.39
07	PB170850BL	6927	7.72	17922	10.53	8615	14.40
08	OWBR-02-170-120425	5142	7.72	13961	10.53	7300	14.40
09	OWBR-02-170-120425-FD	5574	7.72	15065	10.53	7765	14.40

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3787

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-03B-51.5-120425	14183	17.15	11560	21.35	11904	23.64
02	OW-03B-51.5-120425-FD	13759	17.15	11050	21.35	11101	23.64
03	OW-08B-72.5-120425	14315	17.15	11515	21.34	11572	23.64
04	OW-08B-72.5-120425-FD	14306	17.15	10994	21.34	11102	23.64
05	OW-02B-21.2-120425	16136	17.15	12618	21.34	12629	23.64
06	PB170850BS	13383	17.15	8501	21.34	8673	23.64
07	PB170850BL	14660	17.15	9357	21.35	9320	23.64
08	OWBR-02-170-120425	13643	17.15	10433	21.34	10460	23.64
09	OWBR-02-170-120425-FD	14306	17.15	10905	21.35	10904	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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3787

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	MW-15B-42.5-120425	5971	7.72	15803	10.52	7965	14.39
02	MW-15B-42.5-120425MS	5312	7.72	13867	10.52	6982	14.39
03	MW-15B-42.5-120425MSD	5233	7.72	13599	10.52	6783	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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3787

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	MW-15B-42.5-120425	14214	17.15	10505	21.34	10318	23.63
02	MW-15B-42.5-120425MS	12326	17.15	9977	21.34	10317	23.63
03	MW-15B-42.5-120425MSD	11975	17.15	9813	21.34	10087	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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB170850BL	SDG No.:	Q3787
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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB170850BS	SDG No.:	Q3787
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							

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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
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	MW-15B-42.5-120425MS	SDG No.:	Q3787
Lab Sample ID:	Q3787-02MS	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	880 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	0.20	J	1	0.080	0.23	ug/L	12/12/25 04:49	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.26			30 (47) - 150 (106)	66%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.35			30 (54) - 150 (157)	88%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.33			30 (56) - 130 (116)	82%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.30			30 (50) - 130 (126)	75%	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	5310							
1146-65-2	Naphthalene-d8	13900							
15067-26-2	Acenaphthene-d10	6980							
1517-22-2	Phenanthrene-d10	12300							
1719-03-5	Chrysene-d12	9980							
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
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	12/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	12/04/25
Client Sample ID:	MW-15B-42.5-120425MSD	SDG No.:	Q3787
Lab Sample ID:	Q3787-03MSD	Matrix:	Water
Analytical Method:	SW8270ESIM Level: LOW	% Solid:	0
Sample Wt/Vol:	900 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	0.20	J	1	0.070	0.22	ug/L	12/12/25 05:25	PB170850
SURROGATES									
7297-45-2	2-Methylnaphthalene-d10	0.26			30 (47) - 150 (106)	64%	SPK: 0.4		
93951-69-0	Fluoranthene-d10	0.36			30 (54) - 150 (157)	89%	SPK: 0.4		
4165-60-0	Nitrobenzene-d5	0.32			30 (56) - 130 (116)	80%	SPK: 0.4		
321-60-8	2-Fluorobiphenyl	0.32			30 (50) - 130 (126)	79%	SPK: 0.4		
1718-51-0	Terphenyl-d14	0.37			30 (54) - 130 (175)	93%	SPK: 0.4		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	5230							
1146-65-2	Naphthalene-d8	13600							
15067-26-2	Acenaphthene-d10	6780							
1517-22-2	Phenanthrene-d10	12000							
1719-03-5	Chrysene-d12	9810							
1520-96-3	Perylene-d12	10100							

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN121025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 10 13:56:50 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN038298.D 0.2 =BN038299.D 0.4 =BN038300.D 0.8 =BN038301.D 1.6 =BN038302.D 3.2 =BN038303.D 5 =BN038304.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane		0.506	0.465	0.443	0.442	0.456	0.440	0.459	5.48
3)		n-Nitrosodimet...		0.568	0.572	0.568	0.577	0.590	0.574	0.575	1.42
4)	S	2-Fluorophenol	0.954	1.034	0.988	0.981	0.978	1.020	1.019	0.996	2.88
5)	S	Phenol-d6	1.098	1.157	1.151	1.158	1.186	1.263	1.277	1.184	5.44
6)		bis(2-Chloroet...	1.156	1.171	1.166	1.149	1.144	1.176	1.147	1.158	1.10
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.325	0.324	0.329	0.332	0.334	0.358	0.359	0.337	4.38
9)		Naphthalene	1.174	1.185	1.168	1.155	1.159	1.231	1.205	1.182	2.30
10)		Hexachlorobuta...	0.218	0.213	0.210	0.207	0.205	0.212	0.206	0.210	2.24
11)	SURR	2-Methylnaphth...	0.543	0.548	0.549	0.554	0.559	0.598	0.599	0.564	4.23
12)		2-Methylnaphth...	0.722	0.735	0.731	0.737	0.747	0.794	0.789	0.751	3.85
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.167	0.163	0.167	0.169	0.175	0.197	0.205	0.177	9.30
15)	S	2-Fluorobiphenyl	1.940	1.951	1.974	1.838	1.897	2.070	1.819	1.927	4.45
16)		Acenaphthylene	1.890	1.885	1.903	1.918	1.931	2.131	2.092	1.964	5.21
17)		Acenaphthene	1.311	1.329	1.342	1.351	1.358	1.460	1.430	1.369	4.01
18)		Fluorene	1.790	1.706	1.707	1.735	1.727	1.858	1.802	1.761	3.24
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.054	0.057	0.064	0.069	0.085		0.066	18.62
21)		4-Bromophenyl-...	0.288	0.291	0.287	0.291	0.293	0.310	0.318	0.297	4.12
22)		Hexachlorobenzene	0.370	0.366	0.350	0.350	0.347	0.358	0.357	0.357	2.40
23)		Atrazine	0.184	0.196	0.190	0.197	0.200	0.221	0.229	0.202	8.11
24)		Pentachlorophenol		0.124	0.121	0.126	0.134	0.156	0.174	0.139	15.30
25)		Phenanthrene	1.412	1.373	1.363	1.350	1.353	1.439	1.456	1.392	3.12
26)		Anthracene	1.149	1.119	1.141	1.184	1.186	1.300	1.323	1.200	6.67
27)	SURR	Fluoranthene-d10	0.928	0.947	0.984	0.983	0.984	1.045	1.053	0.989	4.66
28)		Fluoranthene	1.419	1.413	1.459	1.466	1.473	1.562	1.566	1.480	4.17
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	2.038	1.968	1.920	1.909	1.890	2.022	2.037	1.969	3.25
31)	S	Terphenyl-d14	0.913	0.917	0.881	0.879	0.863	0.893	0.903	0.893	2.20
32)		Benzo(a)anthra...	1.476	1.537	1.479	1.501	1.513	1.638	1.672	1.545	5.08
33)		Chrysene	1.653	1.712	1.721	1.709	1.674	1.745	1.697	1.701	1.79
34)		Bis(2-ethylhex...		1.002	0.845	0.779	0.754	0.828	0.879	0.848	10.38
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN121025.M

36)		Indeno(1,2,3-c...	1.813	2.040	2.122	2.116	2.115	2.321	2.330	2.123	8.27
37)		Benzo(b)fluora...	1.673	1.831	1.783	1.776	1.827	1.987	1.984	1.837	6.18
38)		Benzo(k)fluora...	1.597	1.793	1.796	1.812	1.823	2.006	1.994	1.832	7.57
39)	C	Benzo(a)pyrene	1.355	1.459	1.469	1.459	1.479	1.640	1.663	1.503	7.27
40)		Dibenzo(a,h)an...	1.396	1.521	1.619	1.624	1.651	1.823	1.822	1.637	9.37
41)		Benzo(g,h,i)pe...	1.622	1.816	1.812	1.806	1.818	1.966	1.964	1.829	6.34

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q3787

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.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q3787

Instrument ID: BNA_N Calibration Date/Time: 12/11/2025 23:59

Lab File ID: BN038330.D Init. Calib. Date(s): 12/10/2025 12/10/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:52 13:30

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

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.564	0.557		-1.2	20.0
Fluoranthene-d10	0.990	0.988		-0.2	20.0
2-Fluorophenol	0.996	0.984		-1.2	20.0
Phenol-d6	1.184	1.177		-0.6	20.0
Nitrobenzene-d5	0.337	0.326		-3.3	20.0
2-Fluorobiphenyl	1.914	1.919		0.3	20.0
2,4,6-Tribromophenol	0.177	0.159		-10.2	20.0
Terphenyl-d14	0.893	0.848		-5.0	20.0
1,4-Dioxane	0.459	0.479		4.4	20.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038337.D
Acq On : 12 Dec 2025 04:13
Operator : RC/JU
Sample : Q3787-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425

Quant Time: Dec 12 07:07:59 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

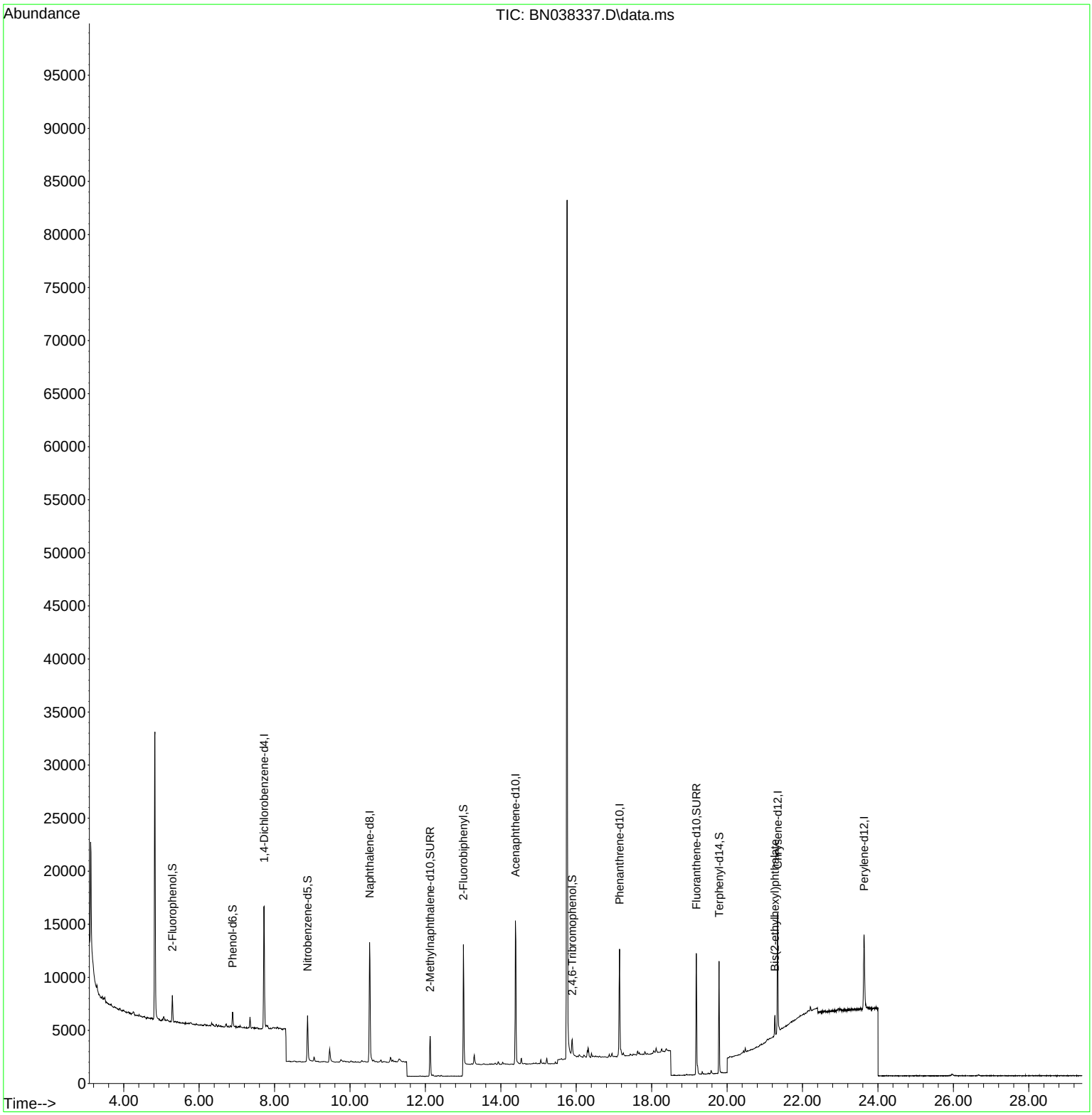
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5971	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	15803	0.400	ng	#-0.01
13) Acenaphthene-d10	14.387	164	7965	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	14214	0.400	ng	0.00
29) Chrysene-d12	21.339	240	10505	0.400	ng	0.00
35) Perylene-d12	23.633	264	10318	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	2056	0.138	ng	0.00
5) Phenol-d6	6.886	99	1414	0.080	ng	0.00
8) Nitrobenzene-d5	8.875	82	3870	0.290	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	5404	0.242	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	958	0.271	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	10030	0.261	ng	0.00
27) Fluoranthene-d10	19.183	212	12397	0.353	ng	0.00
31) Terphenyl-d14	19.787	244	9603	0.410	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.268	149	2012	0.090	ng	99

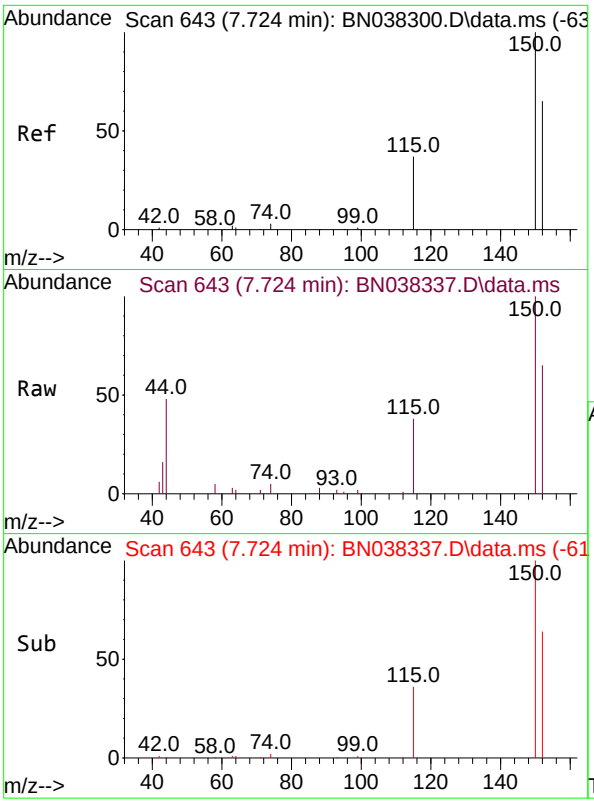
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038337.D
Acq On : 12 Dec 2025 04:13
Operator : RC/JU
Sample : Q3787-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425

Quant Time: Dec 12 07:07:59 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



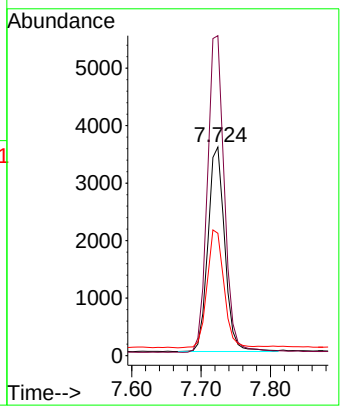


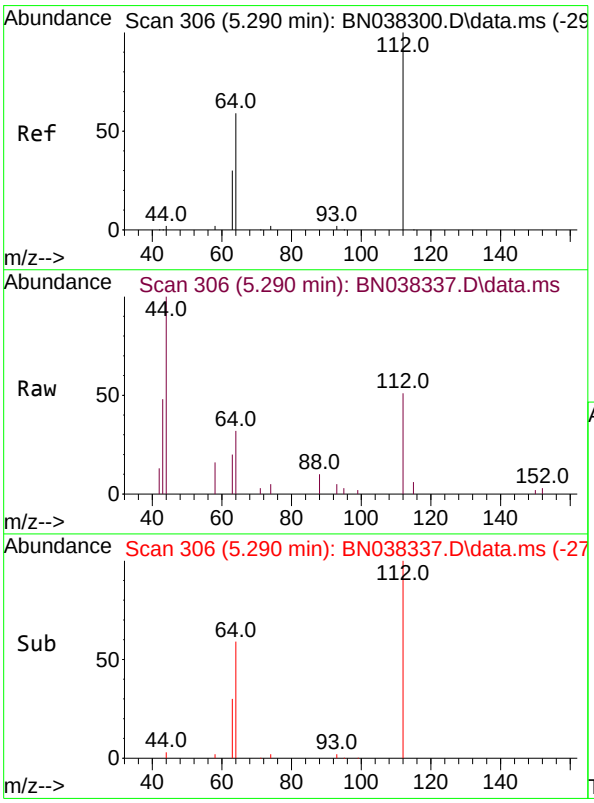
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425

Tgt Ion:152 Resp: 5971

Ion	Ratio	Lower	Upper
152	100		
150	153.4	122.4	183.6
115	58.6	47.3	70.9

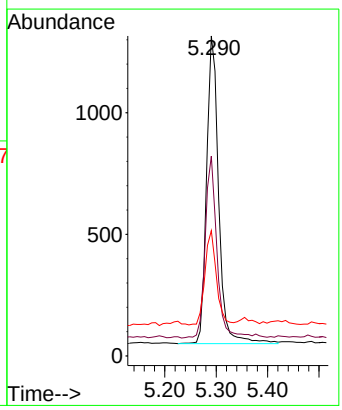


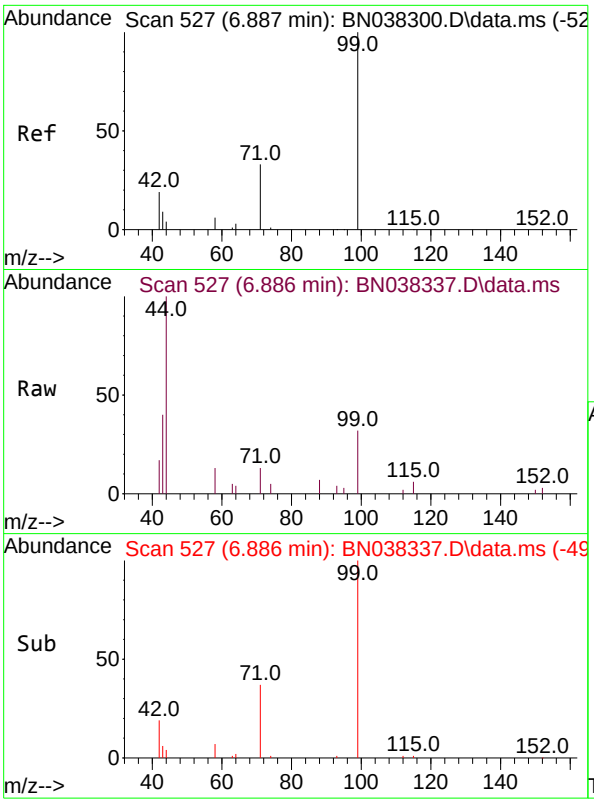


#4
2-Fluorophenol
Concen: 0.138 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Tgt Ion:112 Resp: 2056

Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.4	66.6
63	29.2	23.4	35.0



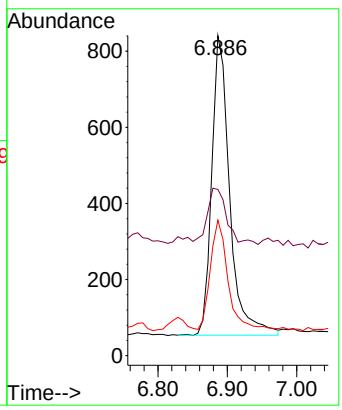


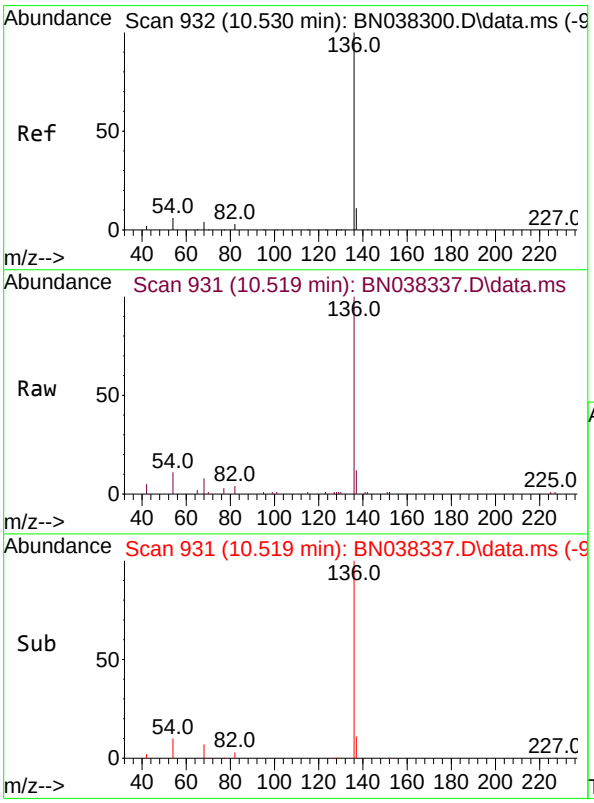
#5
Phenol-d6
Concen: 0.080 ng
RT: 6.886 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425

Tgt Ion: 99 Resp: 1414

Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.5	24.7
71	35.6	24.9	37.3

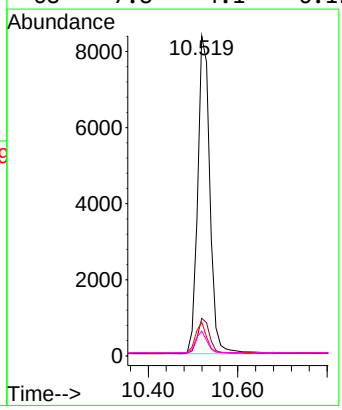


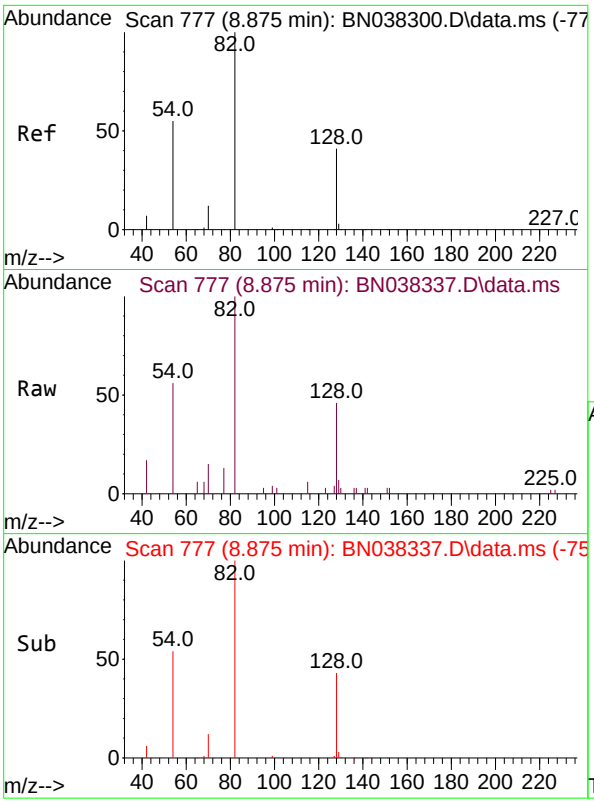


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Tgt Ion:136 Resp: 15803

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	10.6	5.2	7.8#
68	7.8	4.1	6.1#



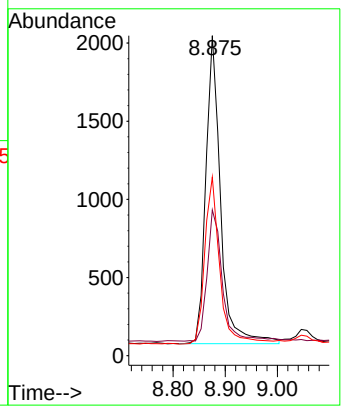


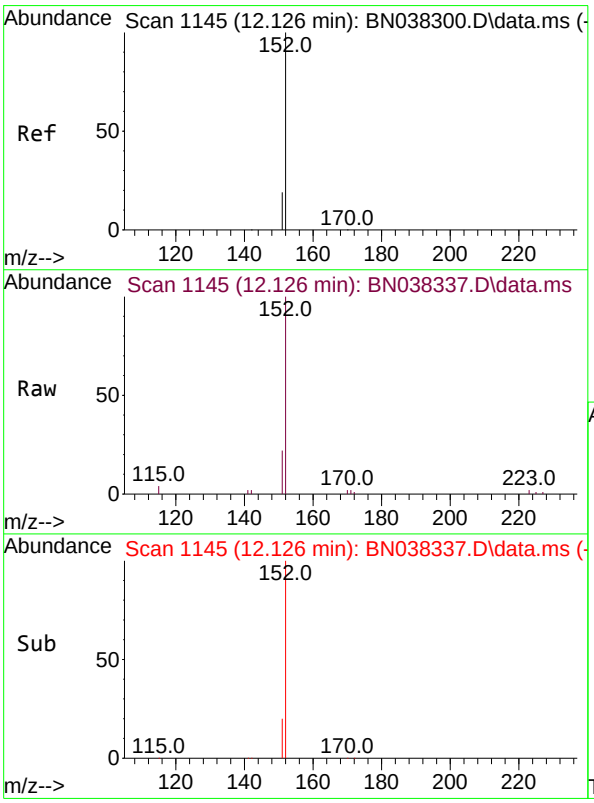
#8
Nitrobenzene-d5
Concen: 0.290 ng
RT: 8.875 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425

Tgt Ion: 82 Resp: 3870

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	55.8	44.4	66.6

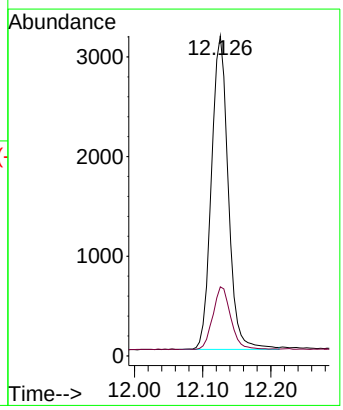


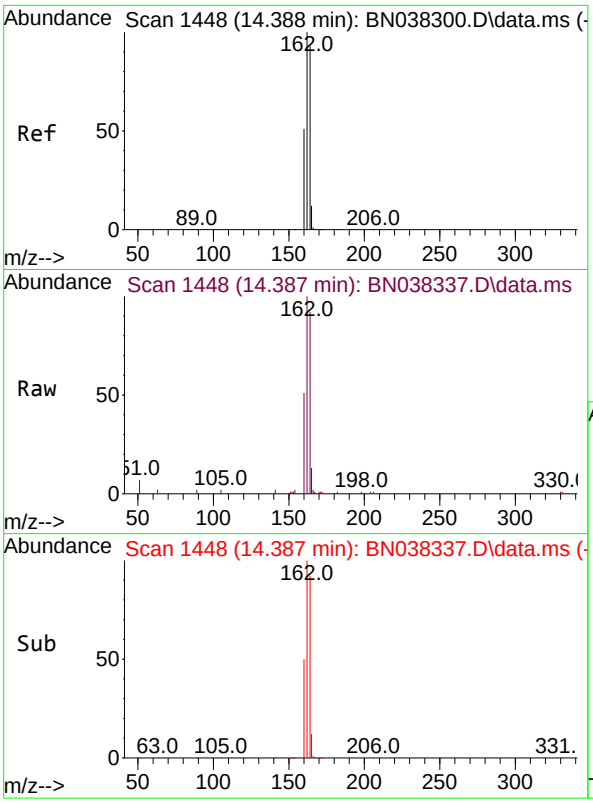


#11
2-Methylnaphthalene-d10
Concen: 0.242 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Tgt Ion:152 Resp: 5404

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.0	25.6



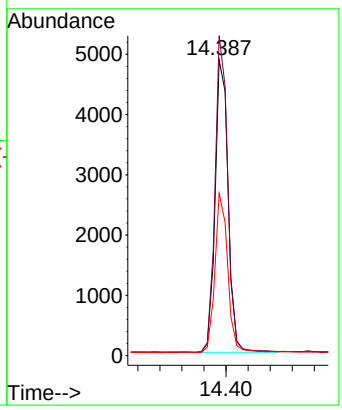


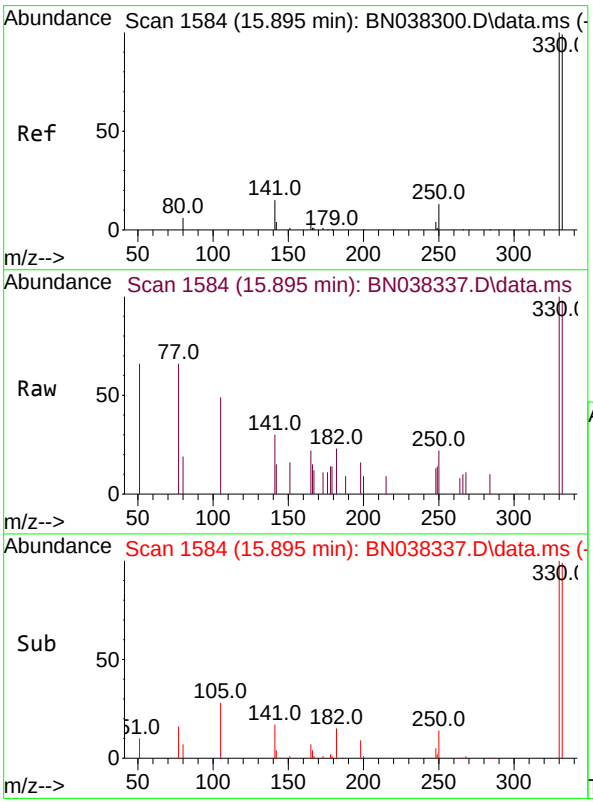
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425

Tgt Ion:164 Resp: 7965

Ion	Ratio	Lower	Upper
164	100		
162	108.2	86.2	129.4
160	54.9	44.6	67.0

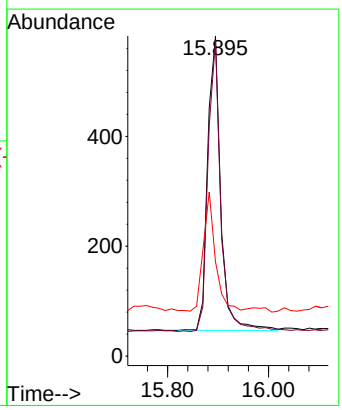


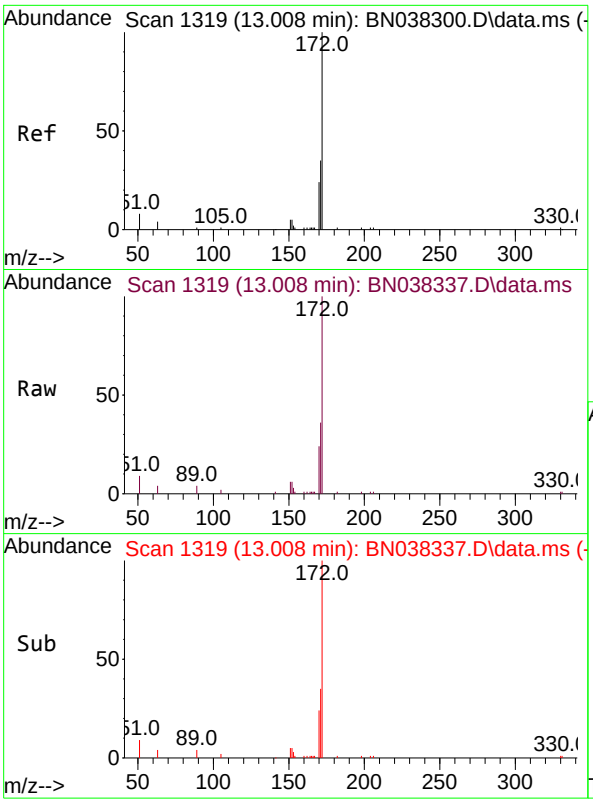


#14
2,4,6-Tribromophenol
Concen: 0.271 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Tgt Ion:330 Resp: 958

Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.8	113.6
141	38.1	31.8	47.8



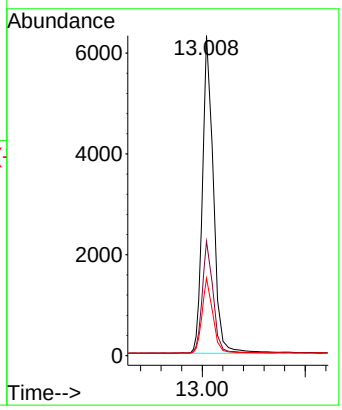


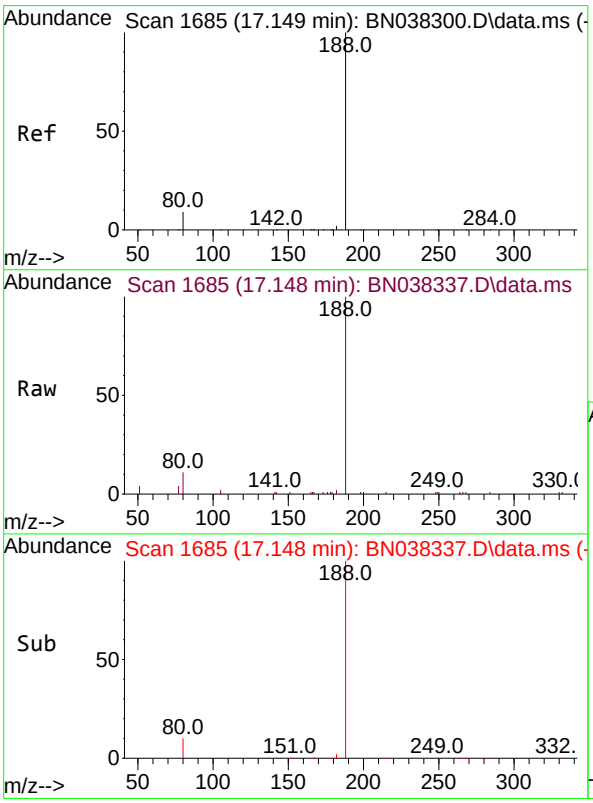
#15
2-Fluorobiphenyl
Concen: 0.261 ng
RT: 13.008 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425

Tgt Ion:172 Resp: 10030

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	24.2	19.3	28.9

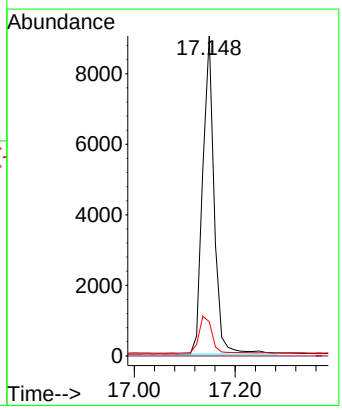


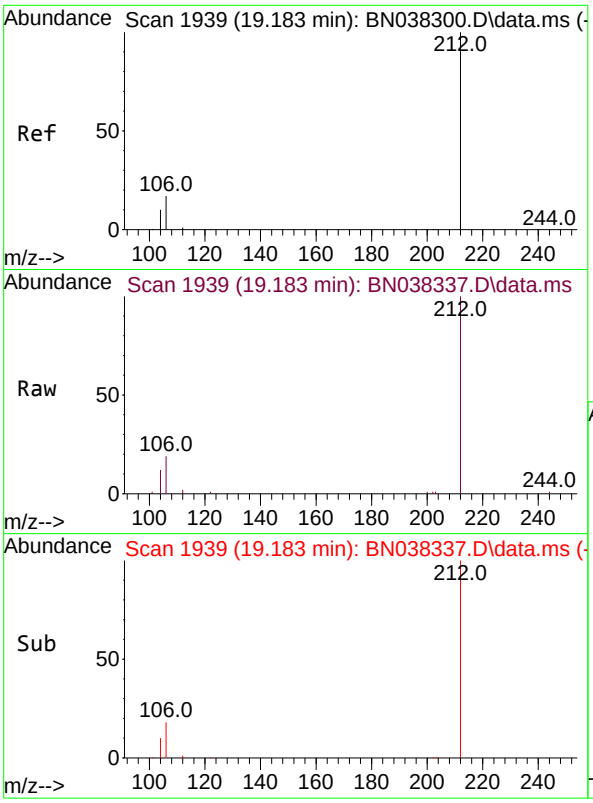


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Tgt Ion:188 Resp: 14214

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.7	7.4	11.0



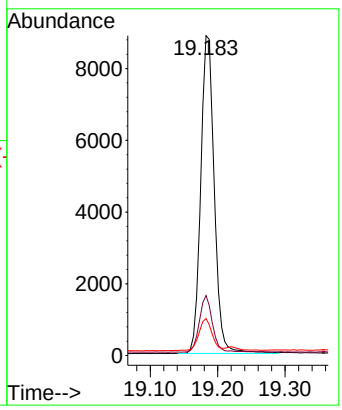


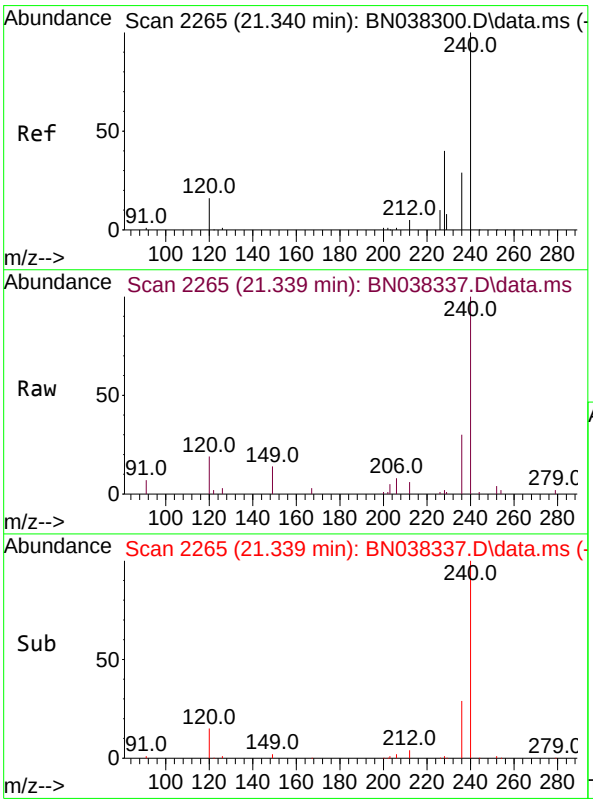
#27
Fluoranthene-d10
Concen: 0.353 ng
RT: 19.183 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425

Tgt Ion:212 Resp: 12397

Ion	Ratio	Lower	Upper
212	100		
106	17.3	13.7	20.5
104	9.8	7.8	11.8

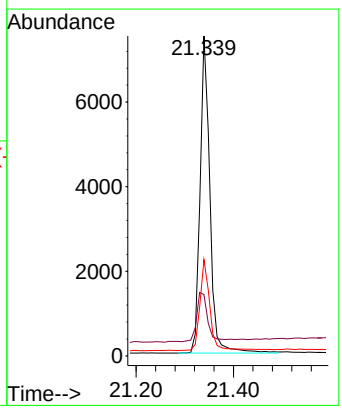


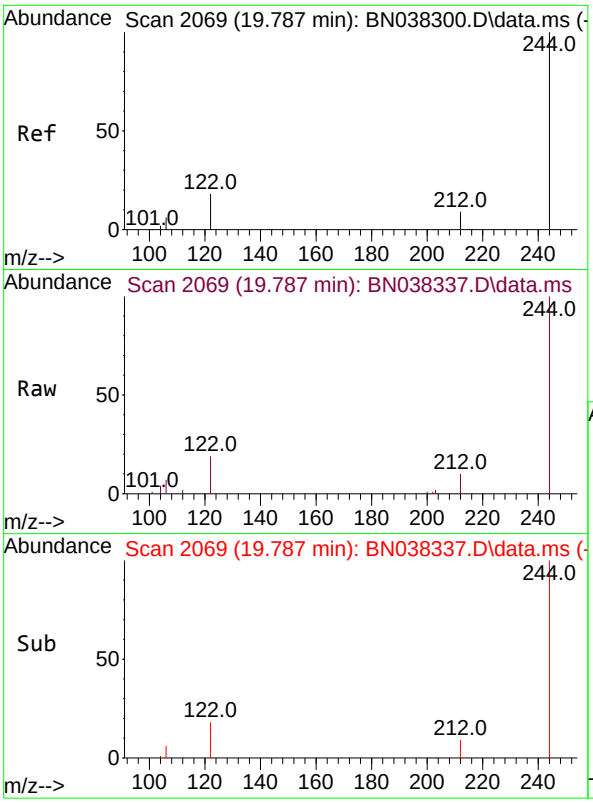


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.339 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Tgt Ion:240 Resp: 10505

Ion	Ratio	Lower	Upper
240	100		
120	19.2	15.4	23.2
236	30.1	23.9	35.9



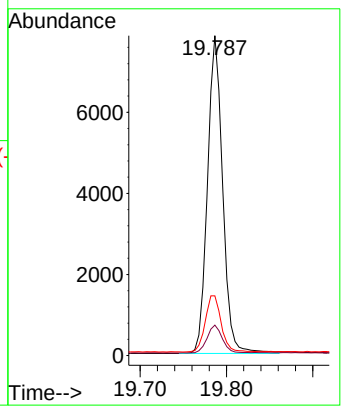


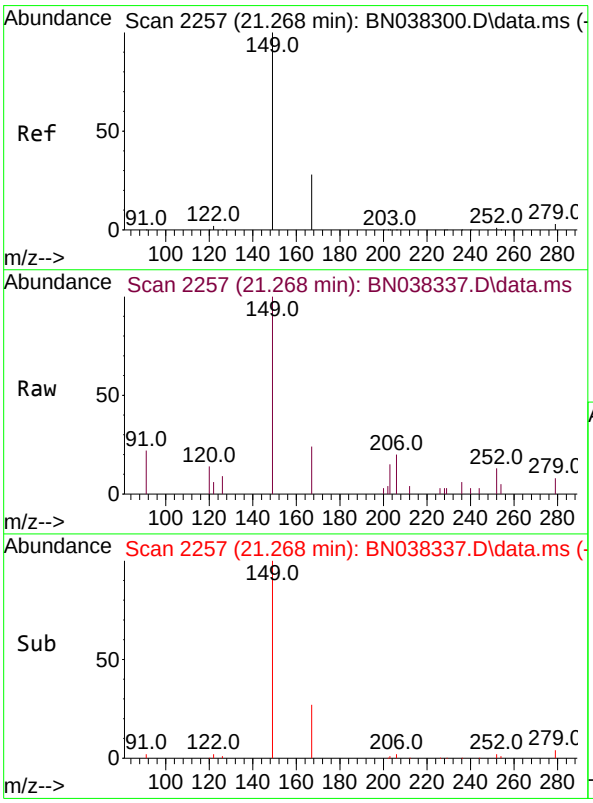
#31
Terphenyl-d14
Concen: 0.410 ng
RT: 19.787 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425

Tgt Ion:244 Resp: 9603

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.9	11.9
122	18.7	15.0	22.6

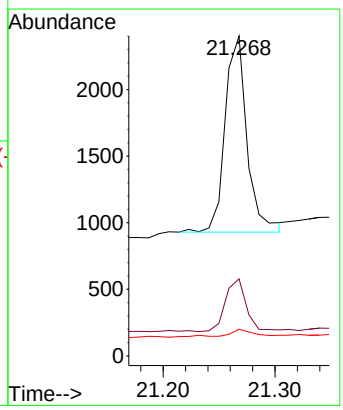


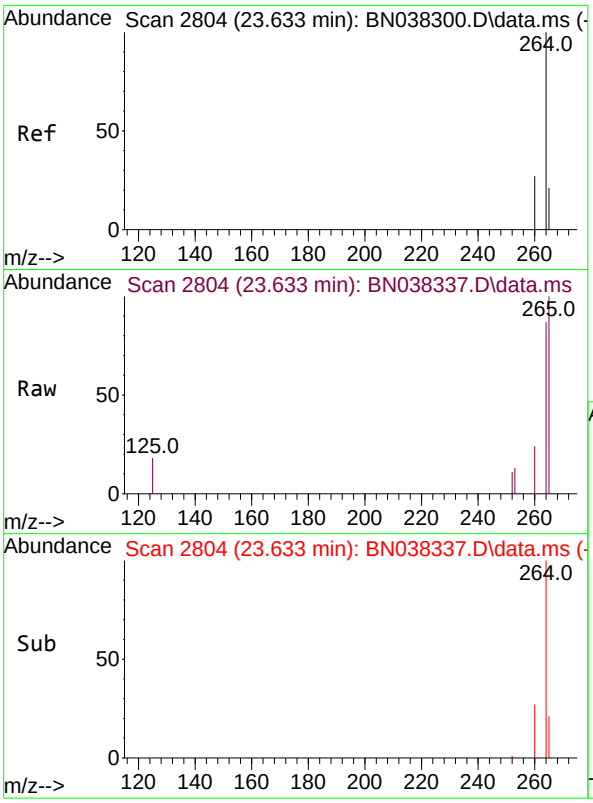


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.090 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Tgt Ion:149 Resp: 2012

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.4	32.0
279	3.2	2.4	3.6



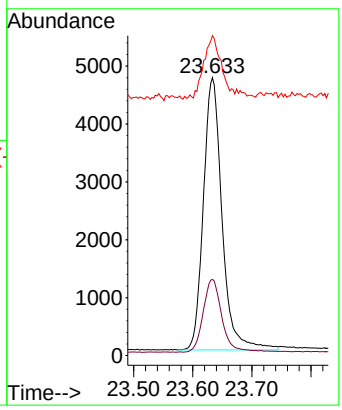


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.633 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN038337.D
Acq: 12 Dec 2025 04:13

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425

Tgt Ion:264 Resp: 10318

Ion	Ratio	Lower	Upper
264	100		
260	27.5	22.2	33.2
265	115.1	80.2	120.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038318.D
Acq On : 11 Dec 2025 15:27
Operator : RC/JU
Sample : Q3787-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425

Quant Time: Dec 11 15:51:10 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

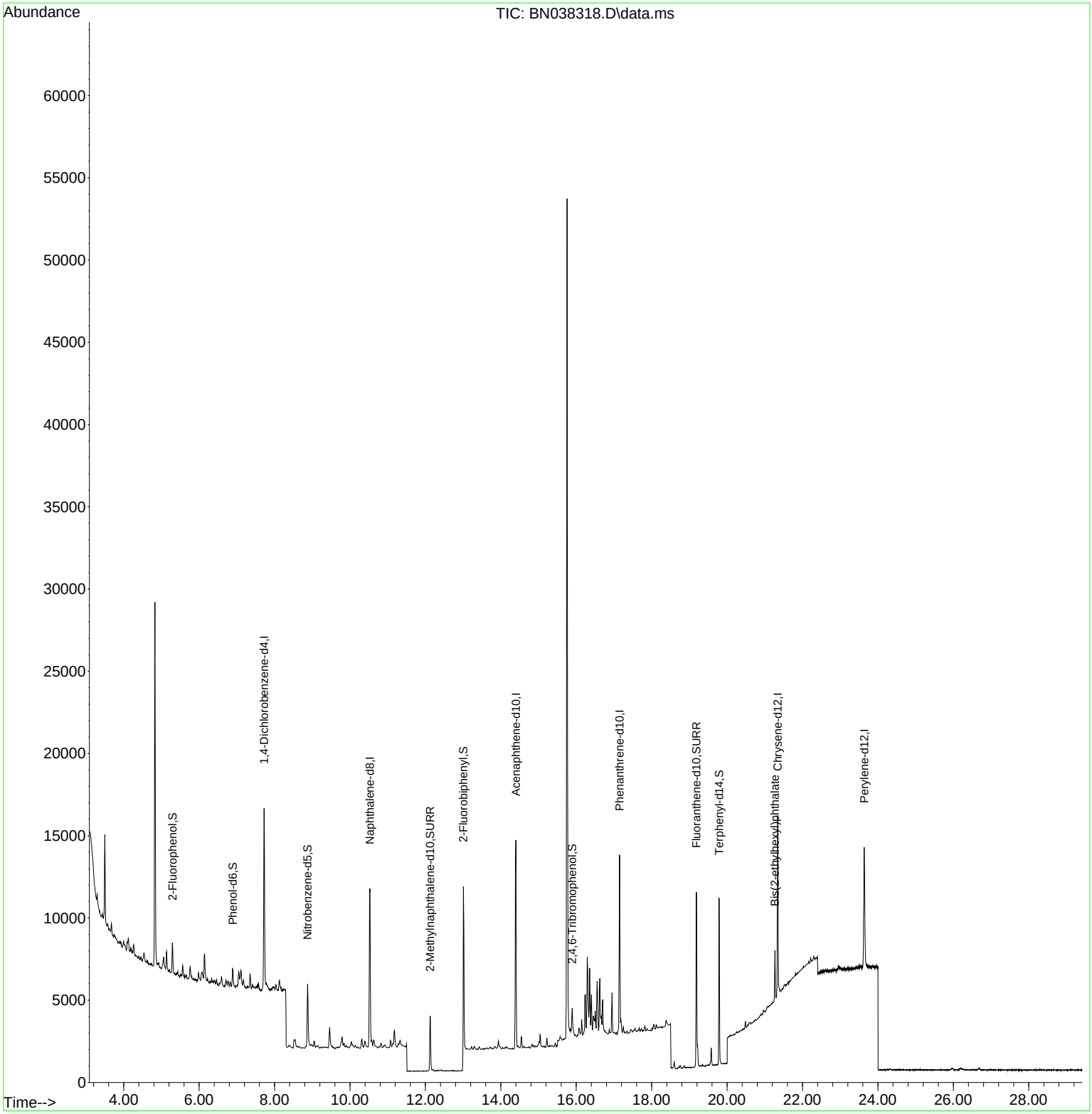
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5142	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	13961	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	7300	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	13643	0.400	ng	# 0.00
29) Chrysene-d12	21.340	240	10433	0.400	ng	# 0.00
35) Perylene-d12	23.636	264	10460	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.298	112	1535	0.120	ng	0.00
5) Phenol-d6	6.894	99	1051	0.069	ng	0.00
8) Nitrobenzene-d5	8.875	82	3330	0.283	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	4619	0.235	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1008	0.311	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	8576	0.244	ng	0.00
27) Fluoranthene-d10	19.187	212	11655	0.345	ng	0.00
31) Terphenyl-d14	19.791	244	9408	0.404	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.268	149	2832	0.128	ng	# 95

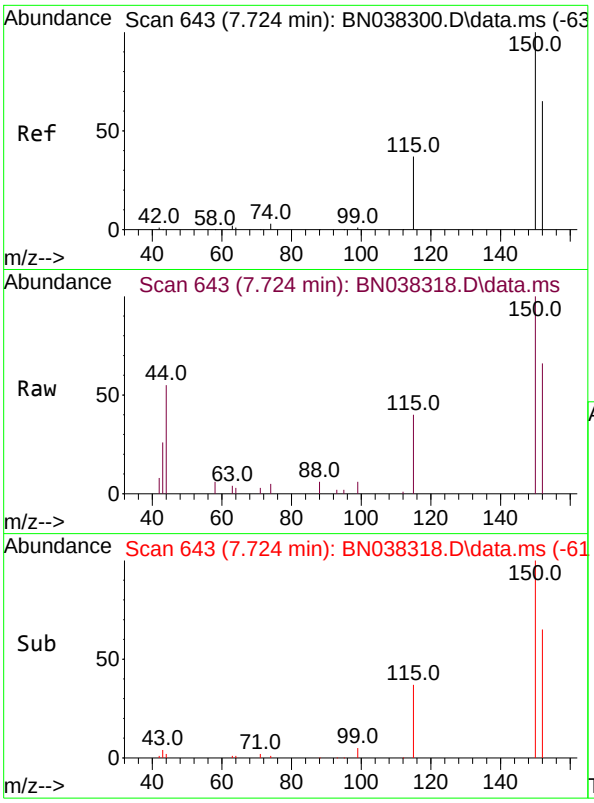
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038318.D
Acq On : 11 Dec 2025 15:27
Operator : RC/JU
Sample : Q3787-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425

Quant Time: Dec 11 15:51:10 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



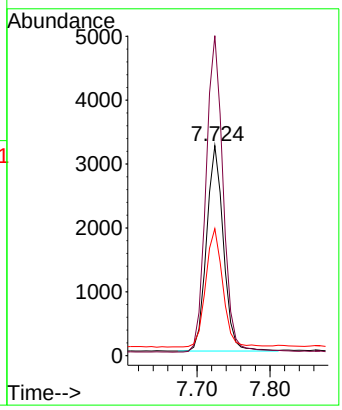


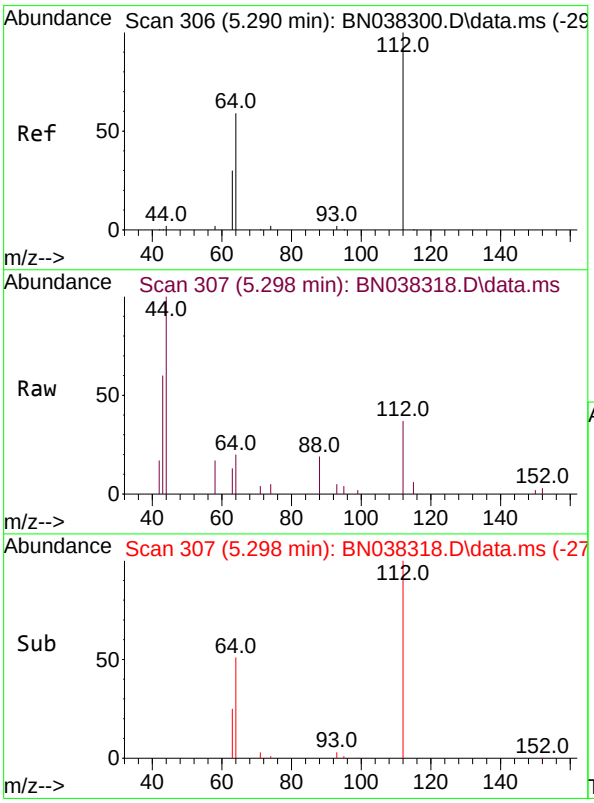
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425

Tgt Ion:152 Resp: 5142

Ion	Ratio	Lower	Upper
152	100		
150	152.4	122.4	183.6
115	60.4	47.3	70.9

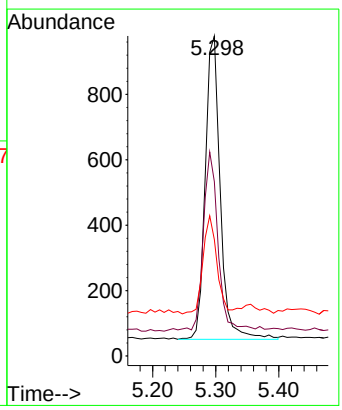


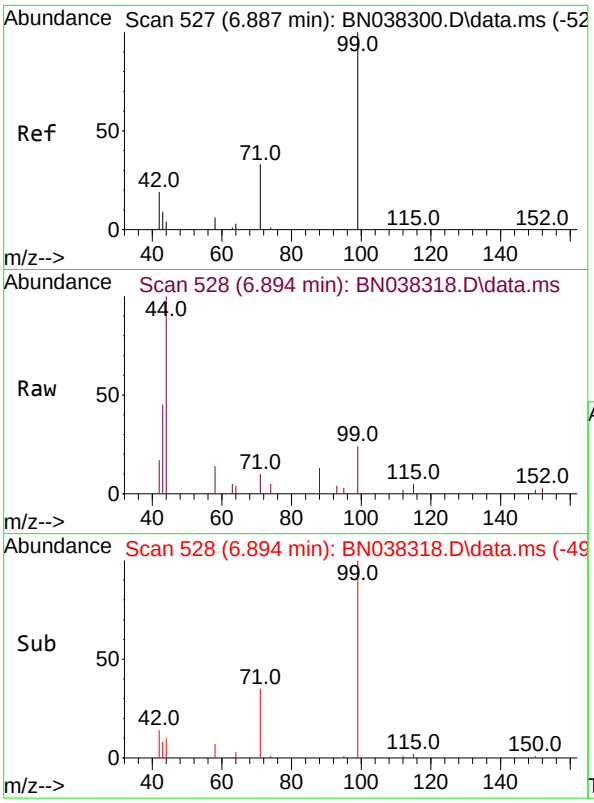


#4
2-Fluorophenol
Concen: 0.120 ng
RT: 5.298 min Scan# 307
Delta R.T. 0.007 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Tgt Ion:112 Resp: 1535

Ion	Ratio	Lower	Upper
112	100		
64	58.3	44.4	66.6
63	29.8	23.4	35.0



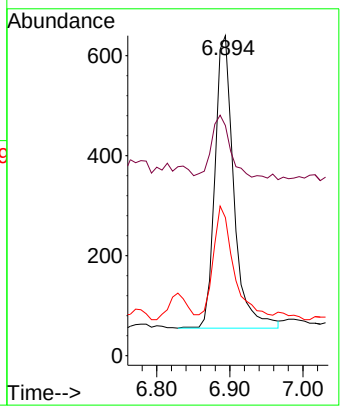


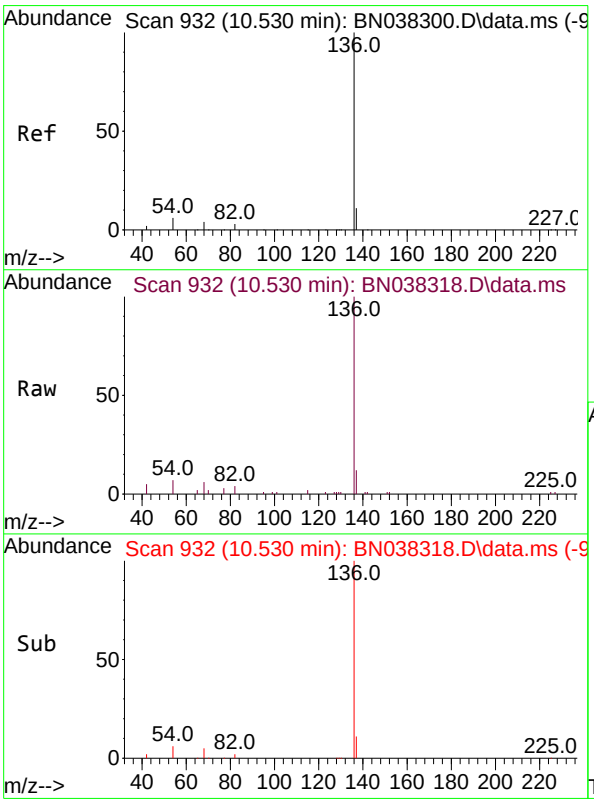
#5
Phenol-d6
Concen: 0.069 ng
RT: 6.894 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425

Tgt Ion: 99 Resp: 1051

Ion	Ratio	Lower	Upper
99	100		
42	21.7	16.5	24.7
71	42.2	24.9	37.3#

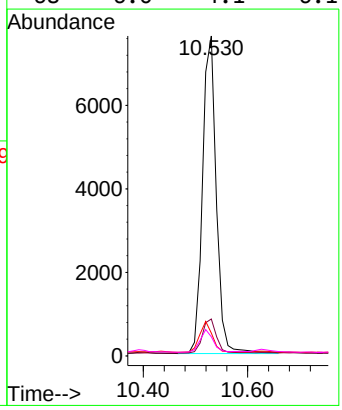


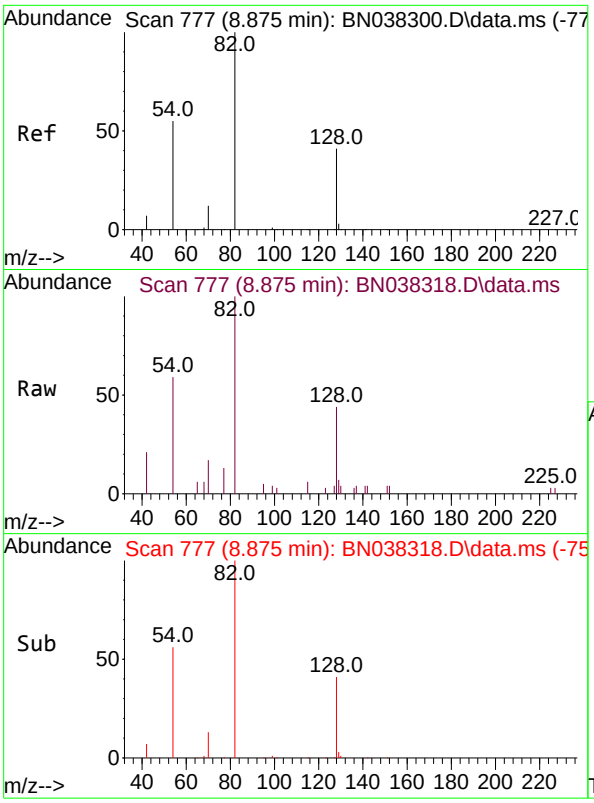


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. -0.000 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Tgt Ion:136 Resp: 13961

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	7.2	5.2	7.8
68	6.0	4.1	6.1



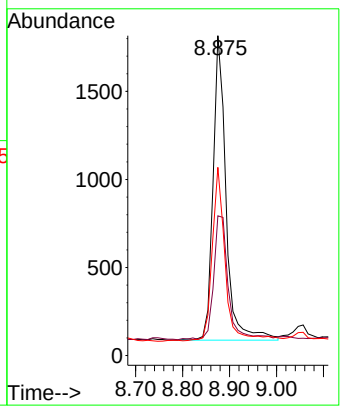


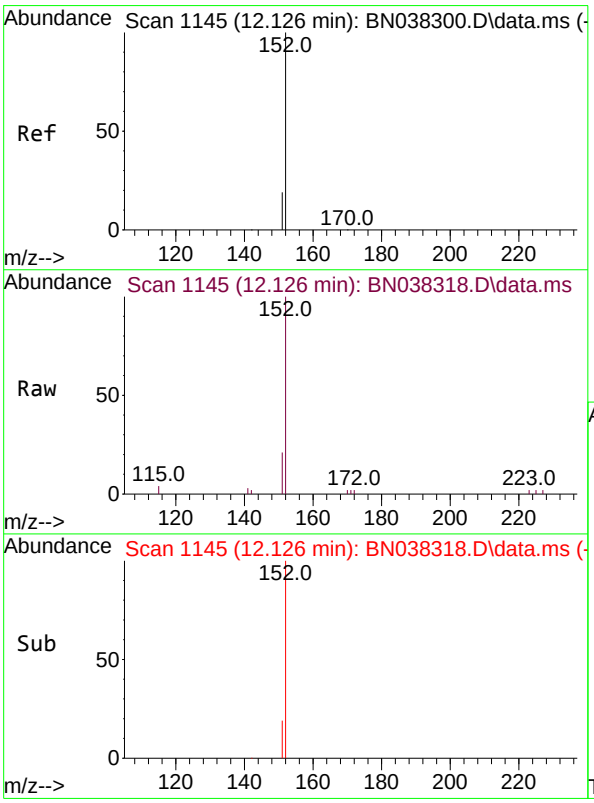
#8
Nitrobenzene-d5
Concen: 0.283 ng
RT: 8.875 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425

Tgt Ion: 82 Resp: 3330

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.0	51.0
54	58.8	44.4	66.6

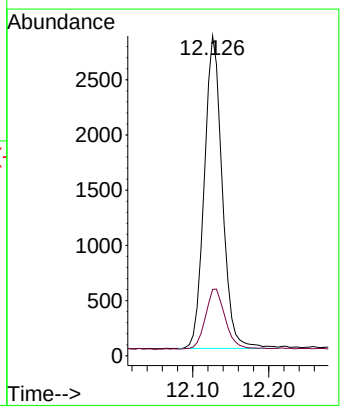


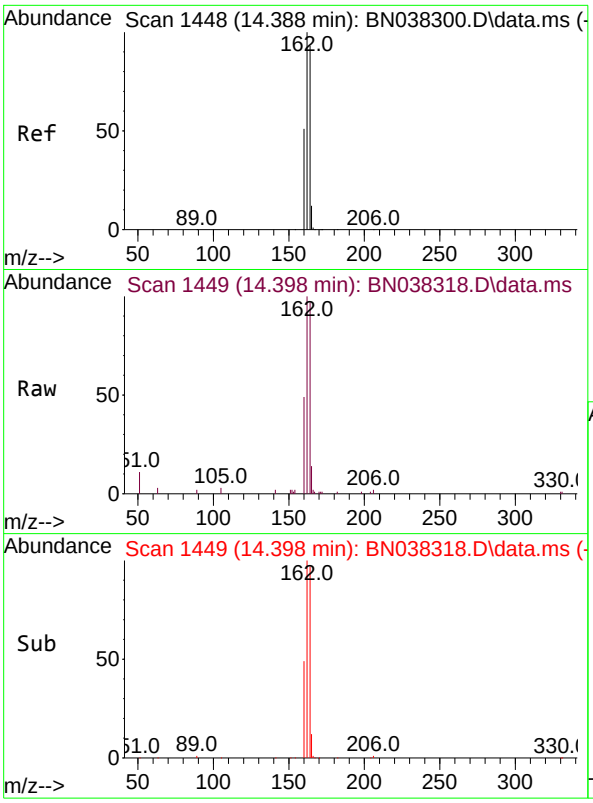


#11
2-Methylnaphthalene-d10
Concen: 0.235 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Tgt Ion:152 Resp: 4619

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6



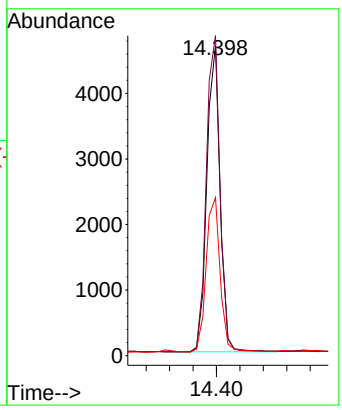


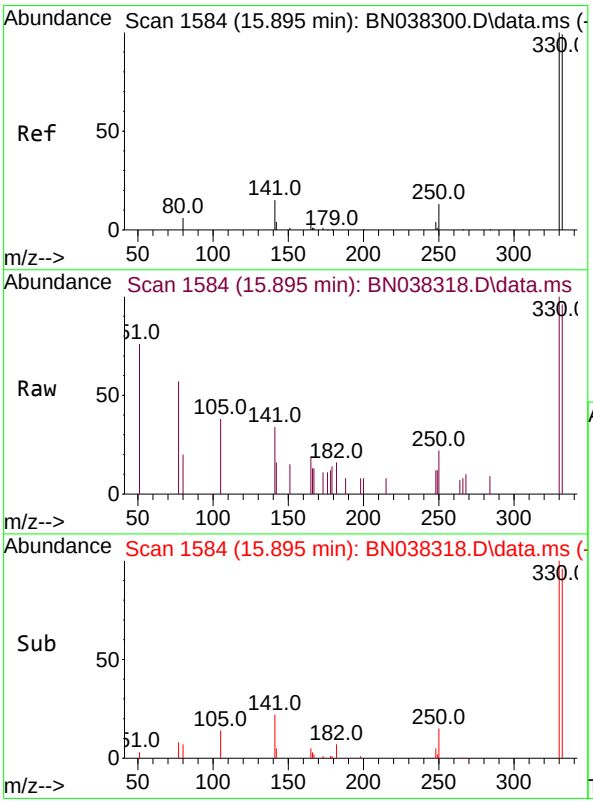
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425

Tgt Ion:164 Resp: 7300

Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.2	129.4
160	50.9	44.6	67.0

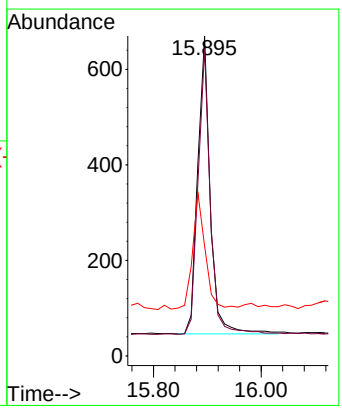


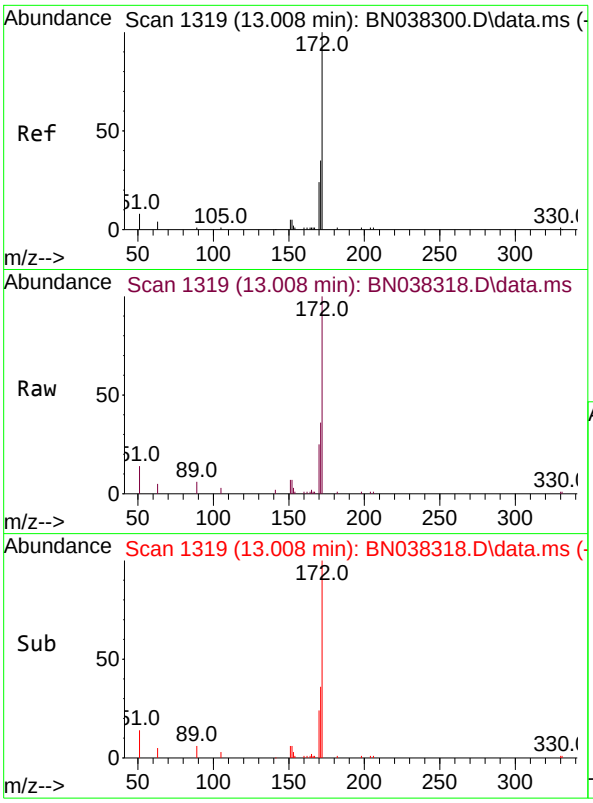


#14
2,4,6-Tribromophenol
Concen: 0.311 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Tgt Ion:330 Resp: 1008

Ion	Ratio	Lower	Upper
330	100		
332	94.2	75.8	113.6
141	39.2	31.8	47.8



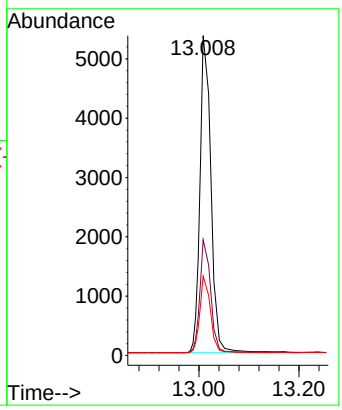


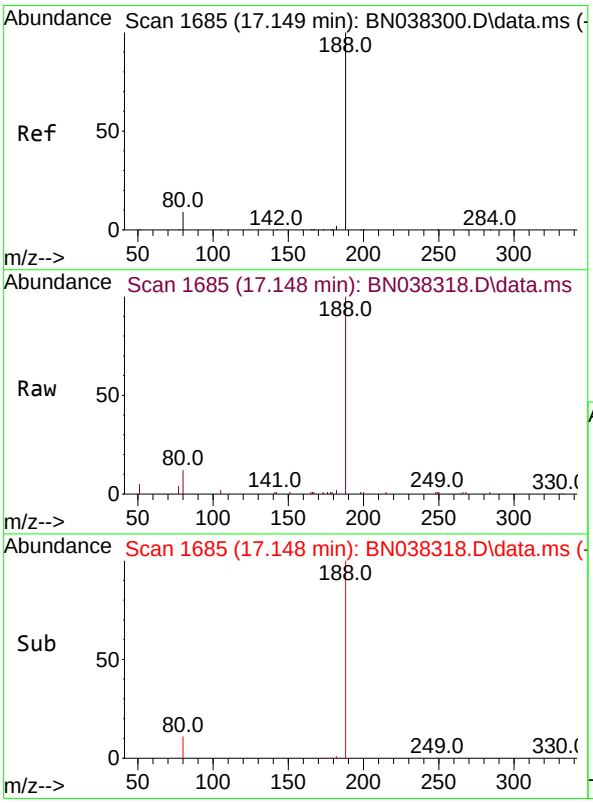
#15
2-Fluorobiphenyl
Concen: 0.244 ng
RT: 13.008 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425

Tgt Ion:172 Resp: 8576

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	42.8
170	24.8	19.3	28.9

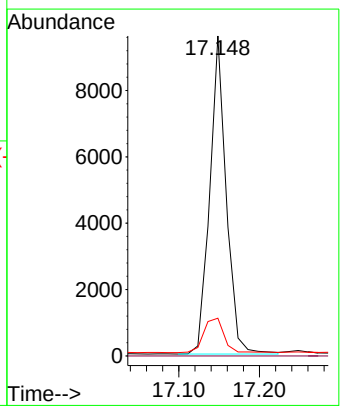


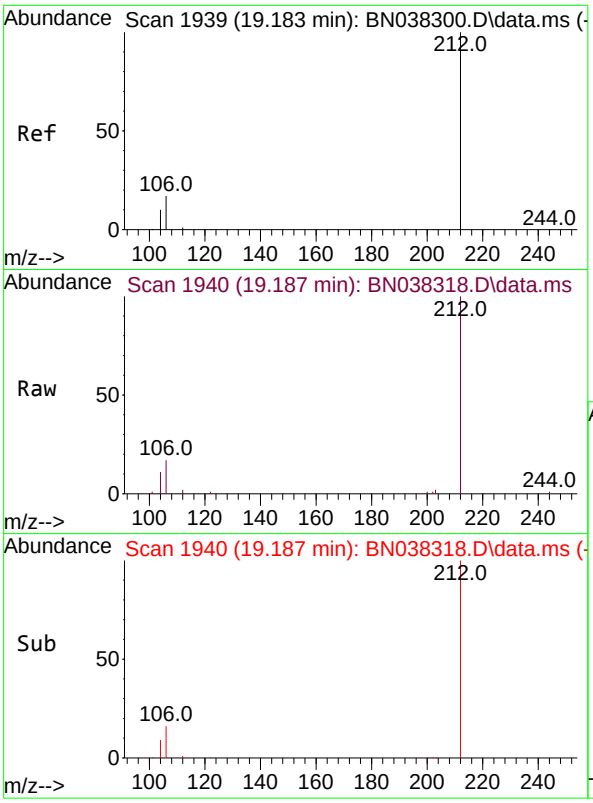


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Tgt Ion:188 Resp: 13643

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.8	7.4	11.0#



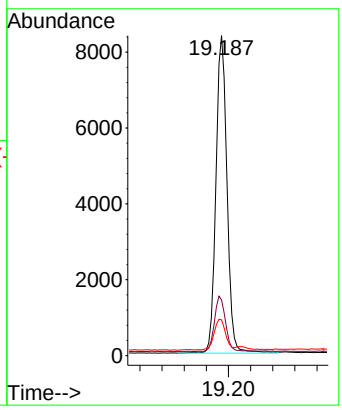


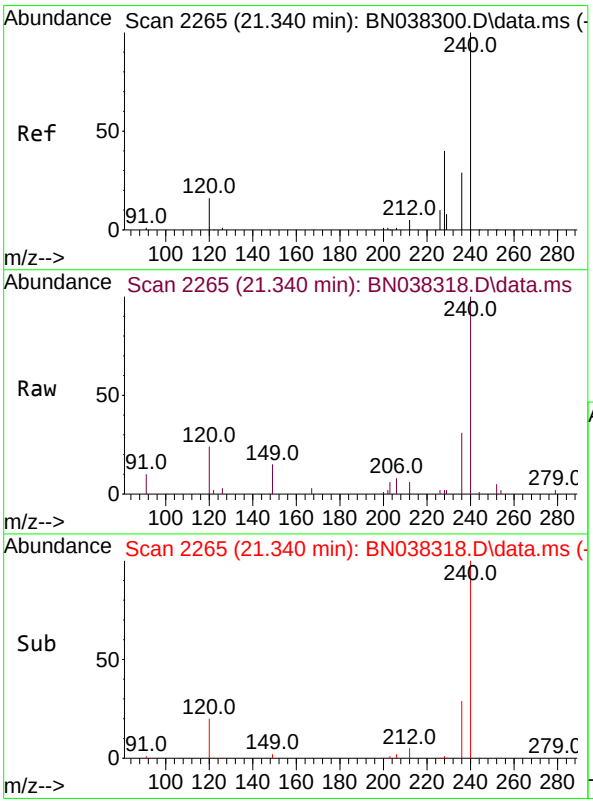
#27
Fluoranthene-d10
Concen: 0.345 ng
RT: 19.187 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425

Tgt Ion:212 Resp: 11655

Ion	Ratio	Lower	Upper
212	100		
106	17.6	13.7	20.5
104	10.0	7.8	11.8

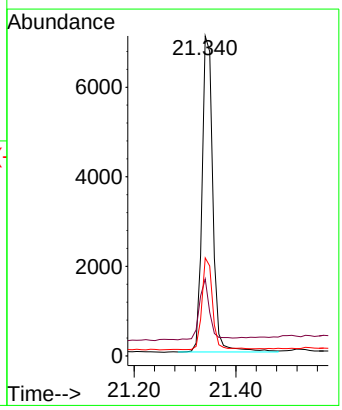


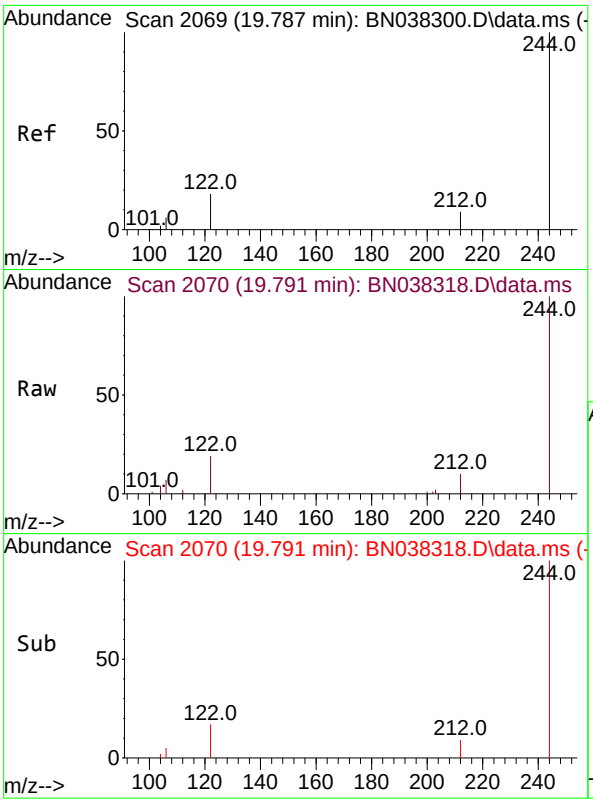


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Tgt Ion:240 Resp: 10433

Ion	Ratio	Lower	Upper
240	100		
120	24.0	15.4	23.2#
236	30.6	23.9	35.9



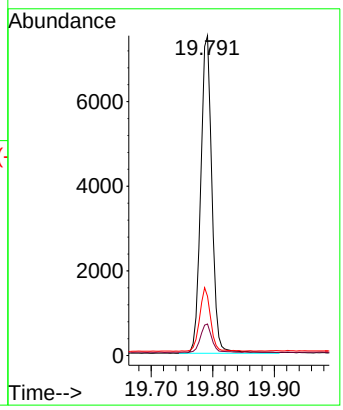


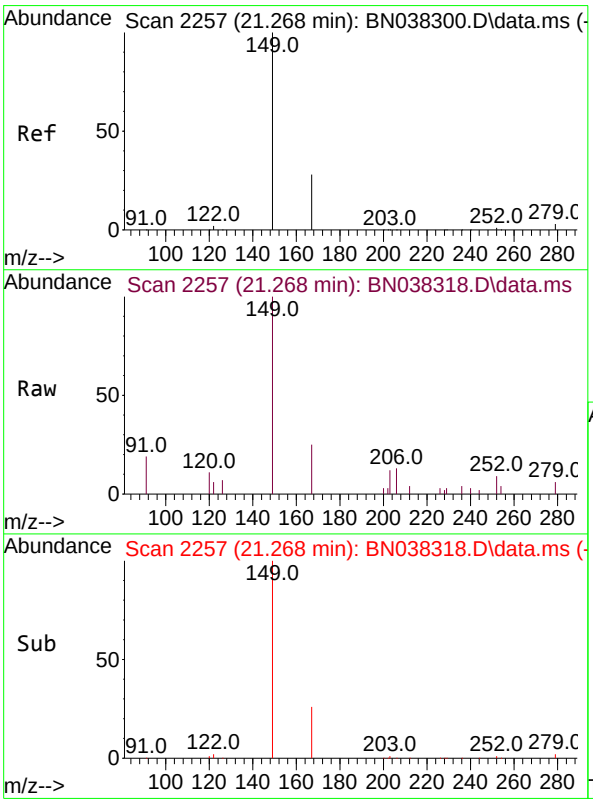
#31
Terphenyl-d14
Concen: 0.404 ng
RT: 19.791 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425

Tgt Ion:244 Resp: 9408

Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.9	11.9
122	18.5	15.0	22.6

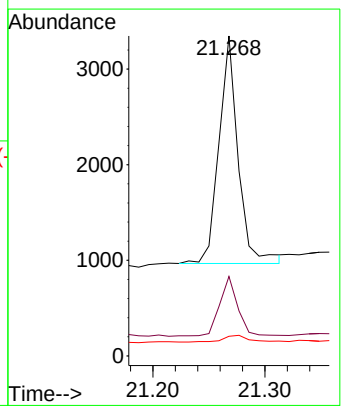


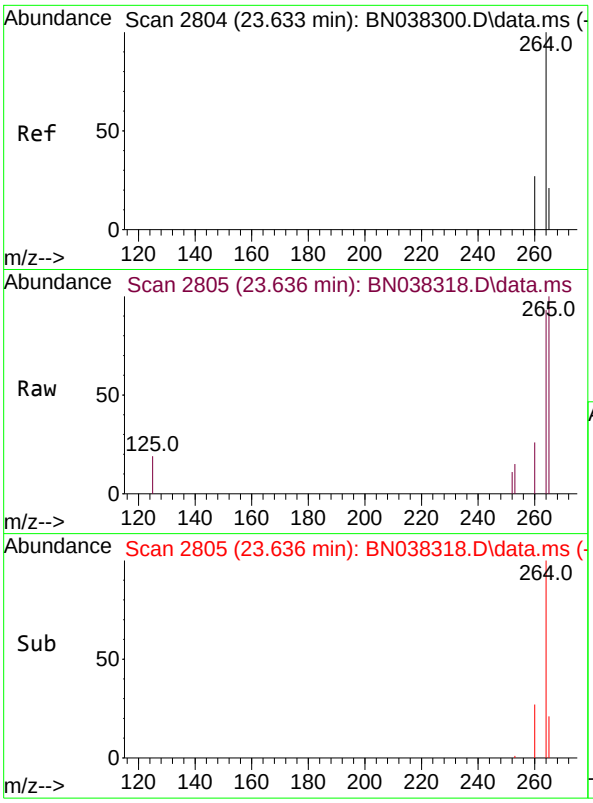


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.128 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Tgt Ion:149 Resp: 2832

Ion	Ratio	Lower	Upper
149	100		
167	24.3	21.4	32.0
279	3.8	2.4	3.6#



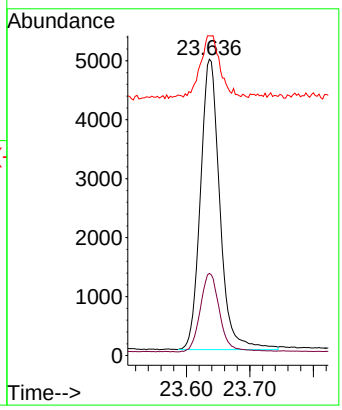


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.636 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN038318.D
Acq: 11 Dec 2025 15:27

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425

Tgt Ion:264 Resp: 10460

Ion	Ratio	Lower	Upper
264	100		
260	27.7	22.2	33.2
265	107.9	80.2	120.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038319.D
Acq On : 11 Dec 2025 16:03
Operator : RC/JU
Sample : Q3787-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425-FD

Quant Time: Dec 11 16:30:58 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

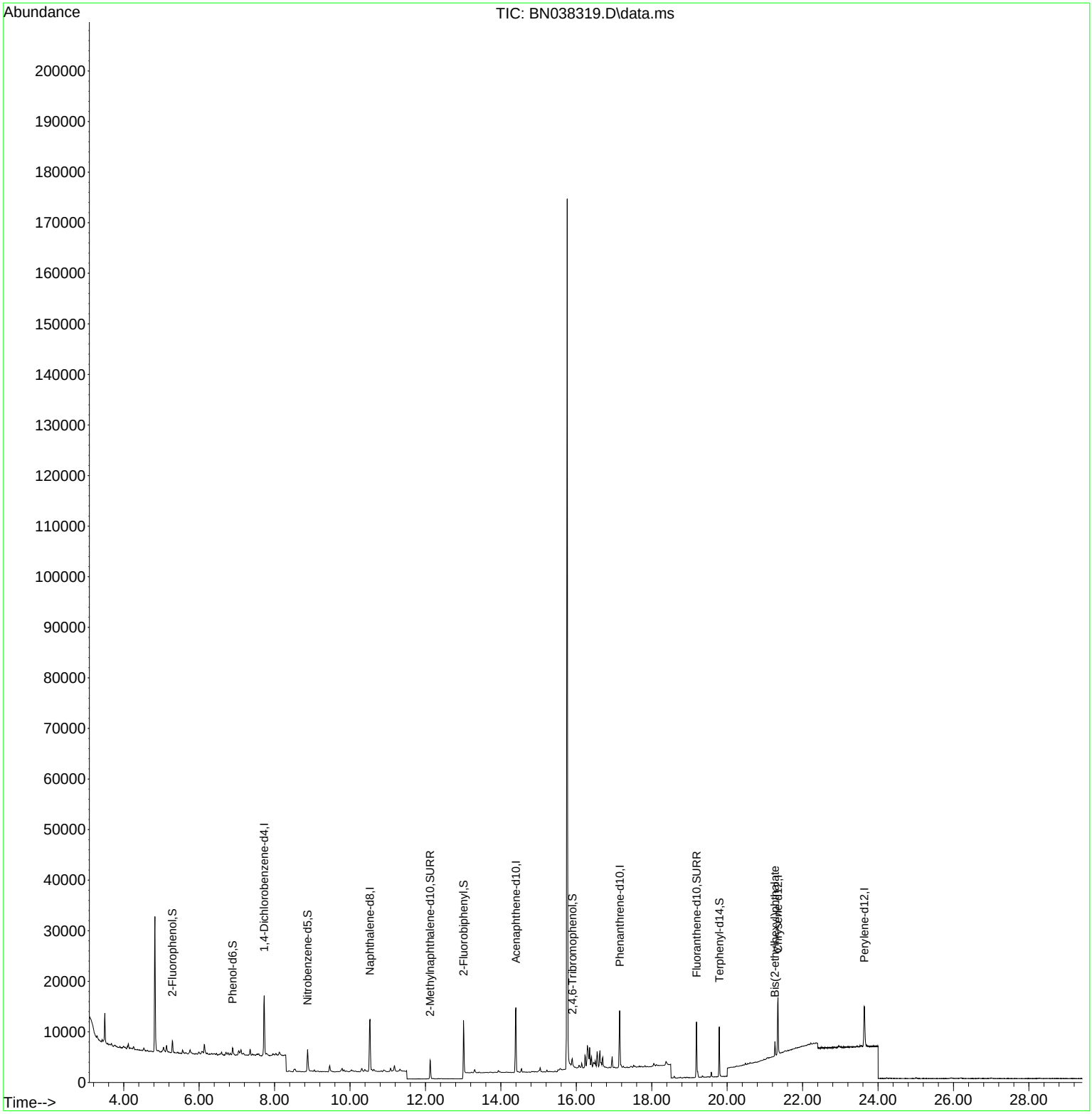
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5574	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	15065	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	7765	0.400	ng	0.00
19) Phenanthrene-d10	17.149	188	14306	0.400	ng	# 0.00
29) Chrysene-d12	21.349	240	10905	0.400	ng	# 0.00
35) Perylene-d12	23.636	264	10904	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	1891	0.136	ng	0.00
5) Phenol-d6	6.887	99	1352	0.082	ng	0.00
8) Nitrobenzene-d5	8.875	82	3698	0.291	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	5063	0.238	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1016	0.295	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	9034	0.241	ng	0.00
27) Fluoranthene-d10	19.188	212	11568	0.327	ng	0.00
31) Terphenyl-d14	19.791	244	9037	0.371	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.268	149	2697	0.117	ng	97

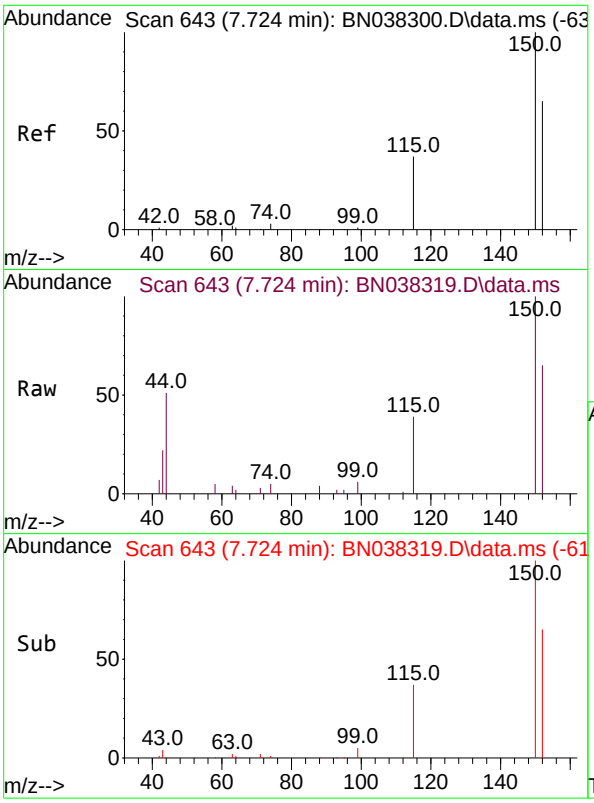
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038319.D
Acq On : 11 Dec 2025 16:03
Operator : RC/JU
Sample : Q3787-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425-FD

Quant Time: Dec 11 16:30:58 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



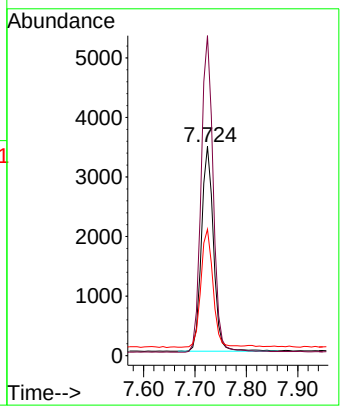


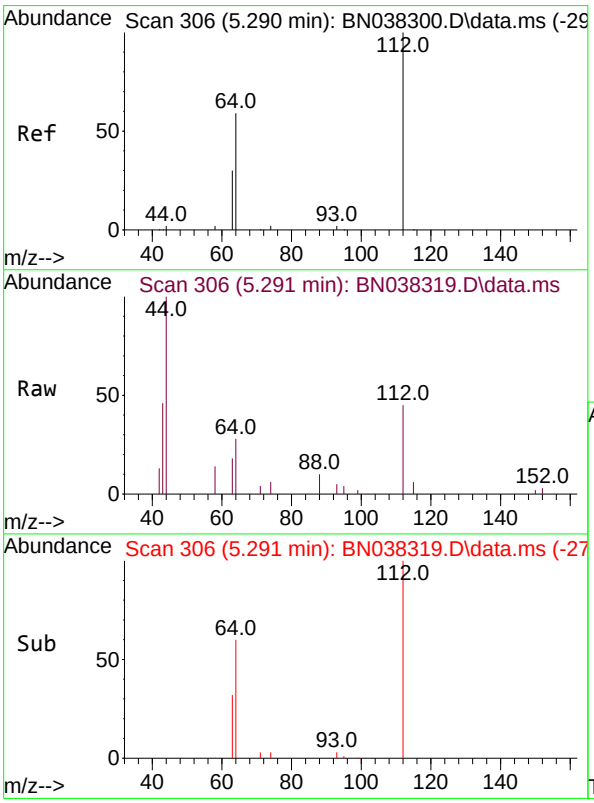
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425-FD

Tgt Ion:152 Resp: 5574

Ion	Ratio	Lower	Upper
152	100		
150	152.9	122.4	183.6
115	60.3	47.3	70.9

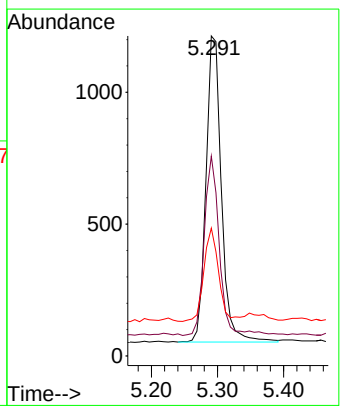


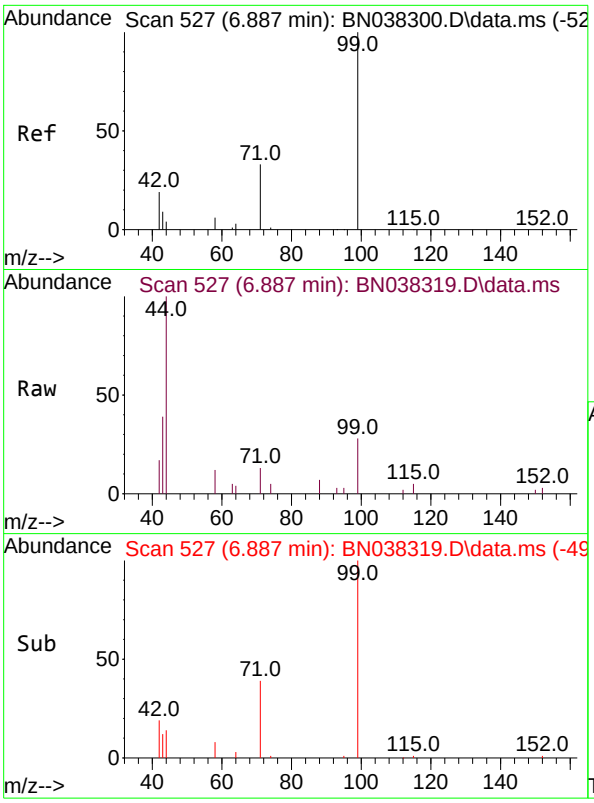


#4
2-Fluorophenol
Concen: 0.136 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Tgt Ion:112 Resp: 1891

Ion	Ratio	Lower	Upper
112	100		
64	55.8	44.4	66.6
63	29.4	23.4	35.0



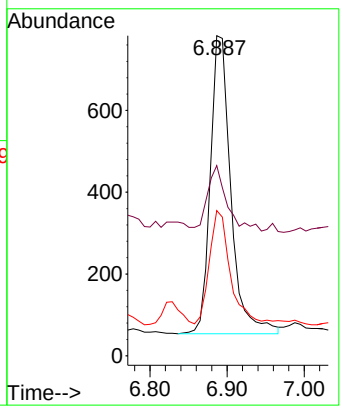


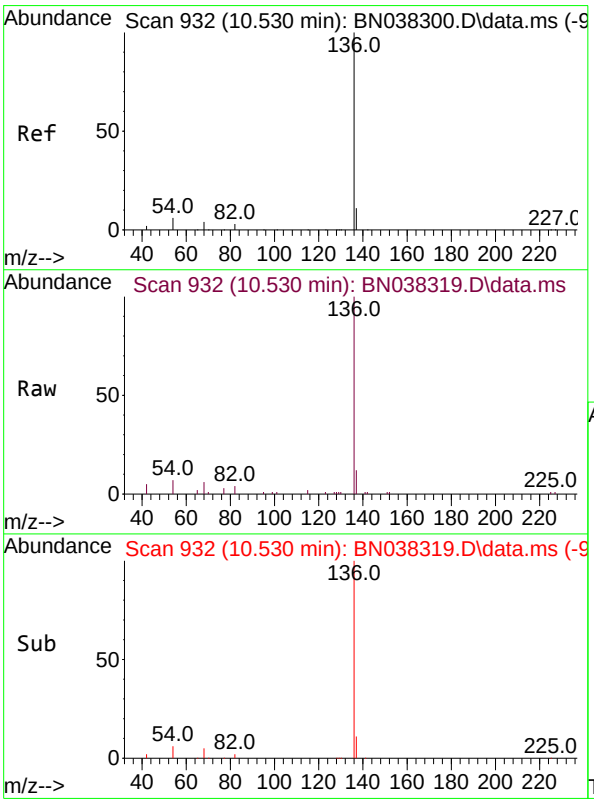
#5
Phenol-d6
Concen: 0.082 ng
RT: 6.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425-FD

Tgt Ion: 99 Resp: 1352

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.5	24.7
71	40.9	24.9	37.3#

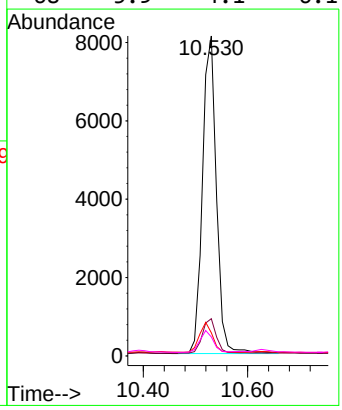


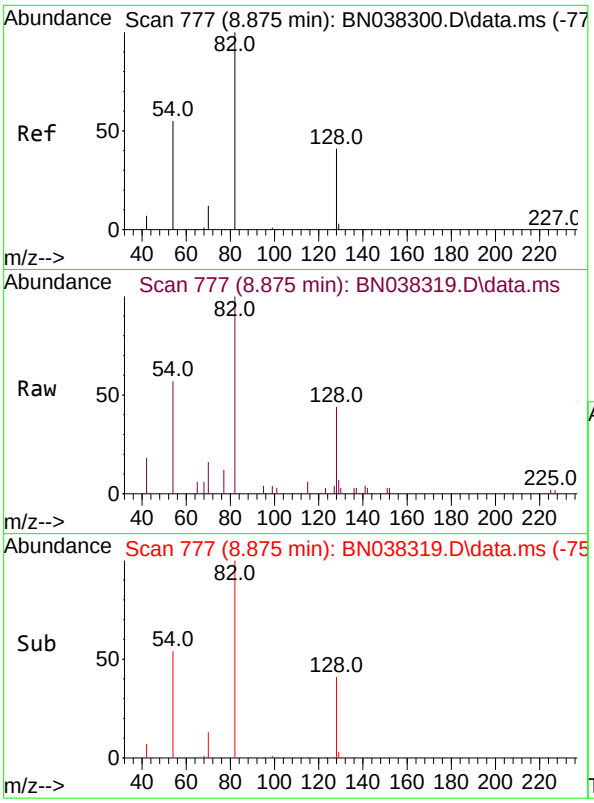


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. 0.000 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Tgt Ion:136 Resp: 15065

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	7.2	5.2	7.8
68	5.9	4.1	6.1



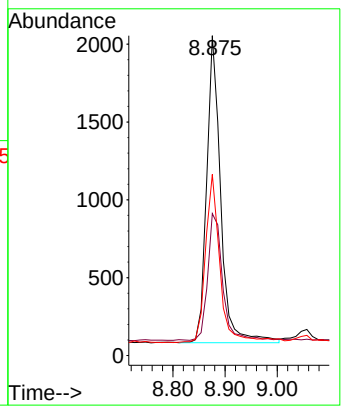


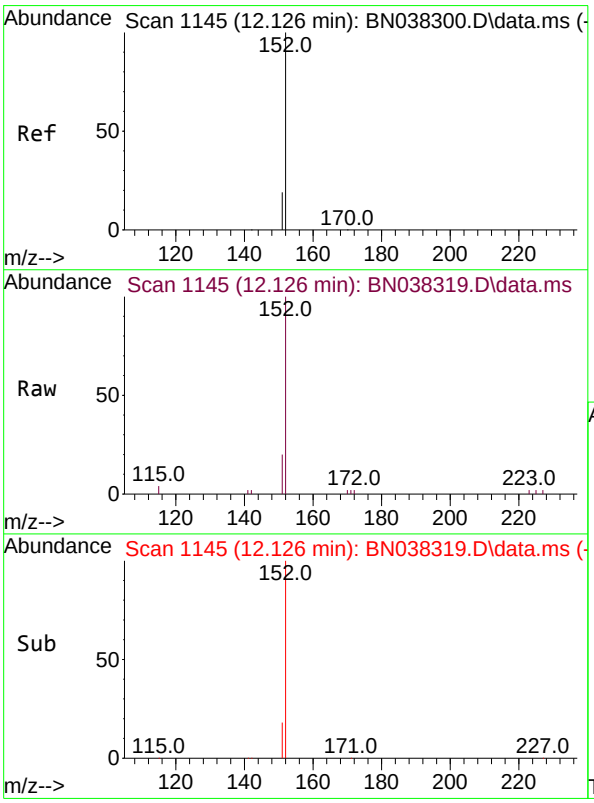
#8
Nitrobenzene-d5
Concen: 0.291 ng
RT: 8.875 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425-FD

Tgt Ion: 82 Resp: 3698

Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.0	51.0
54	56.6	44.4	66.6

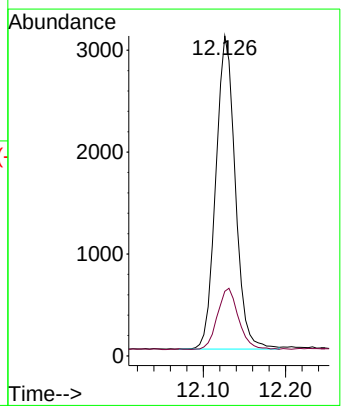


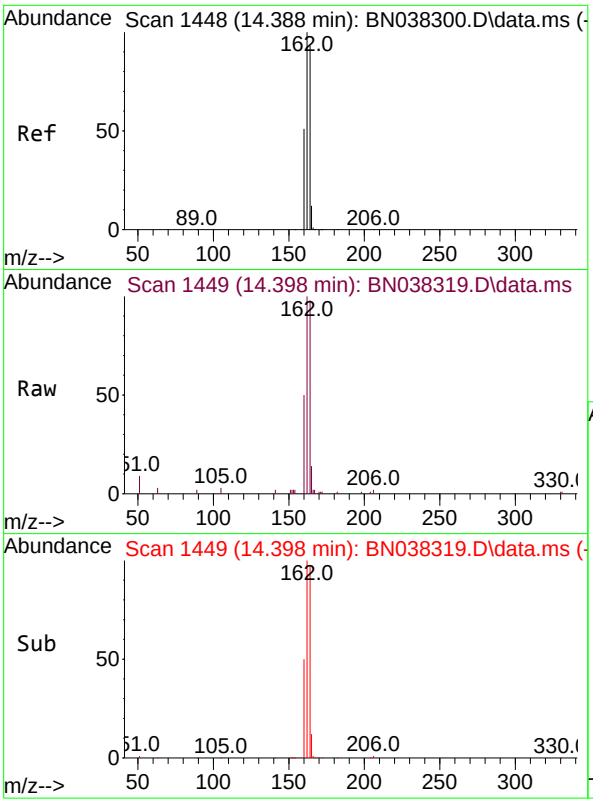


#11
2-Methylnaphthalene-d10
Concen: 0.238 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Tgt Ion:152 Resp: 5063

Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.0	25.6



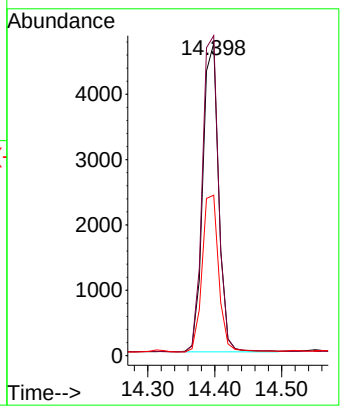


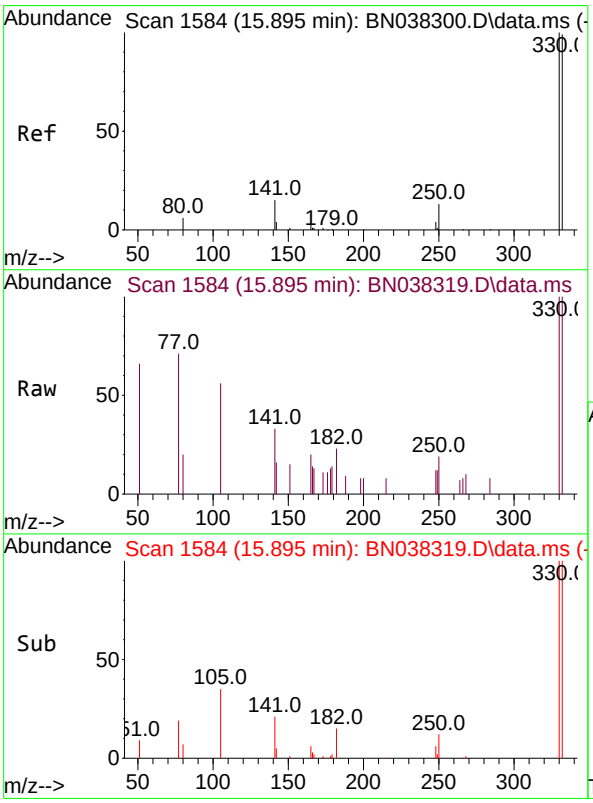
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425-FD

Tgt Ion:164 Resp: 7765

Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.2	129.4
160	51.4	44.6	67.0

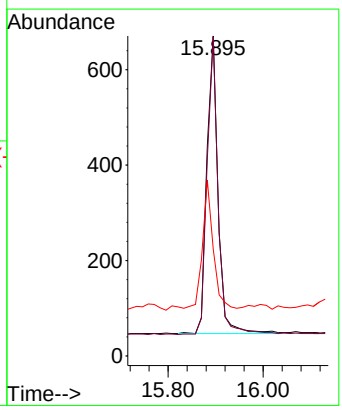


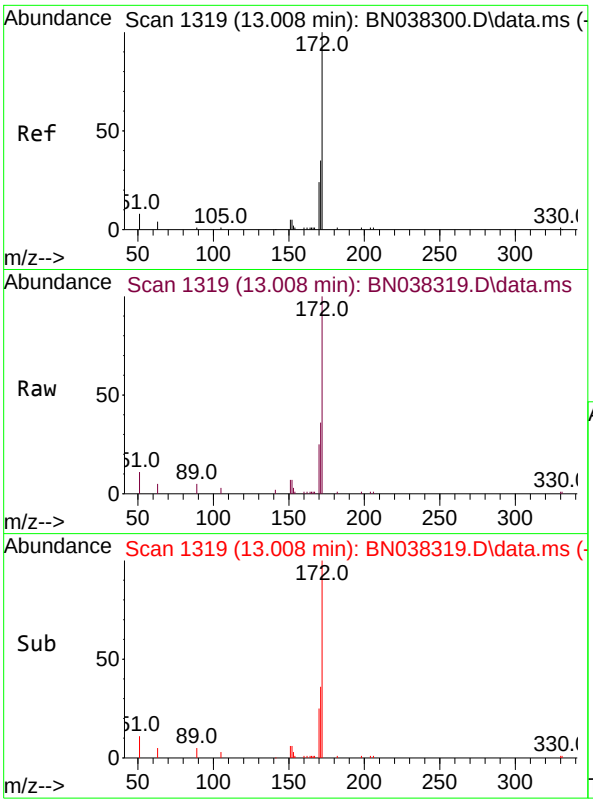


#14
2,4,6-Tribromophenol
Concen: 0.295 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Tgt Ion:330 Resp: 1016

Ion	Ratio	Lower	Upper
330	100		
332	98.6	75.8	113.6
141	41.9	31.8	47.8



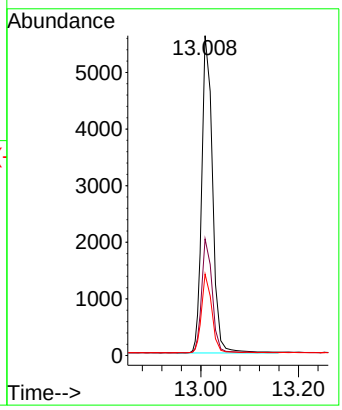


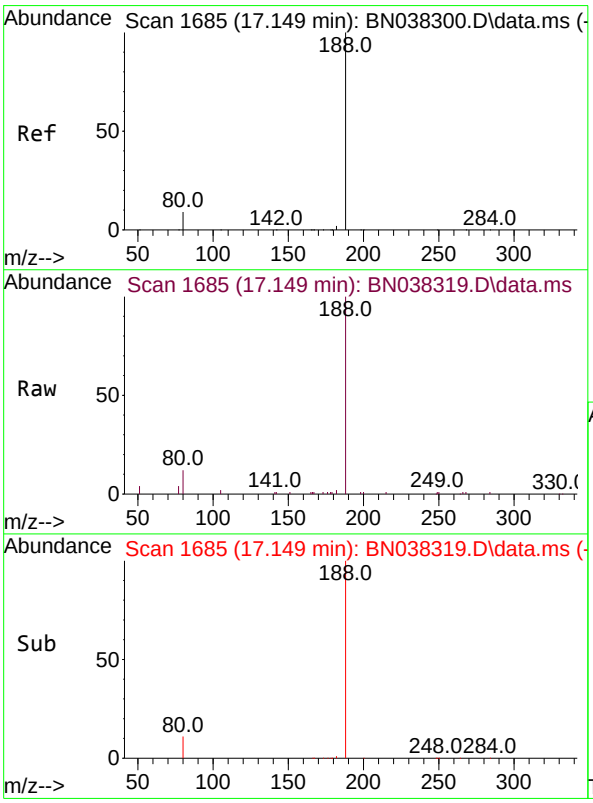
#15
2-Fluorobiphenyl
Concen: 0.241 ng
RT: 13.008 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425-FD

Tgt Ion:172 Resp: 9034

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	42.8
170	25.5	19.3	28.9

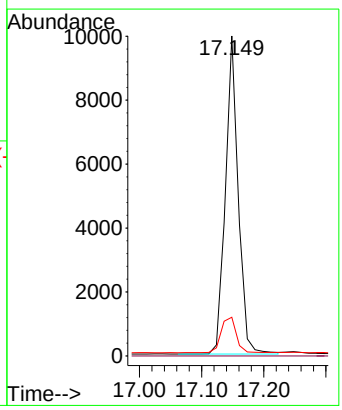


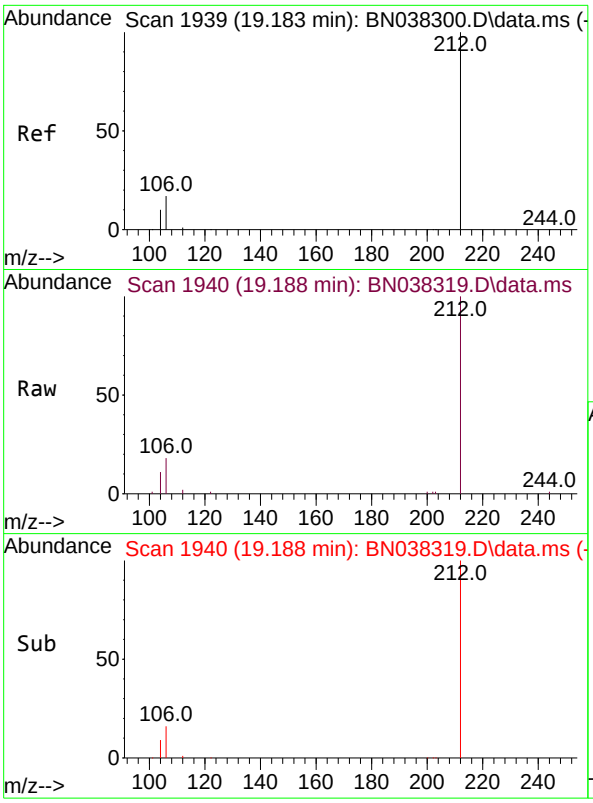


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Tgt Ion:188 Resp: 14306

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.1	7.4	11.0#



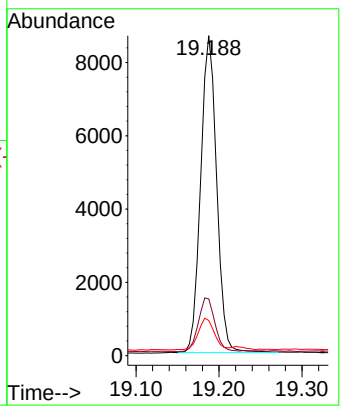


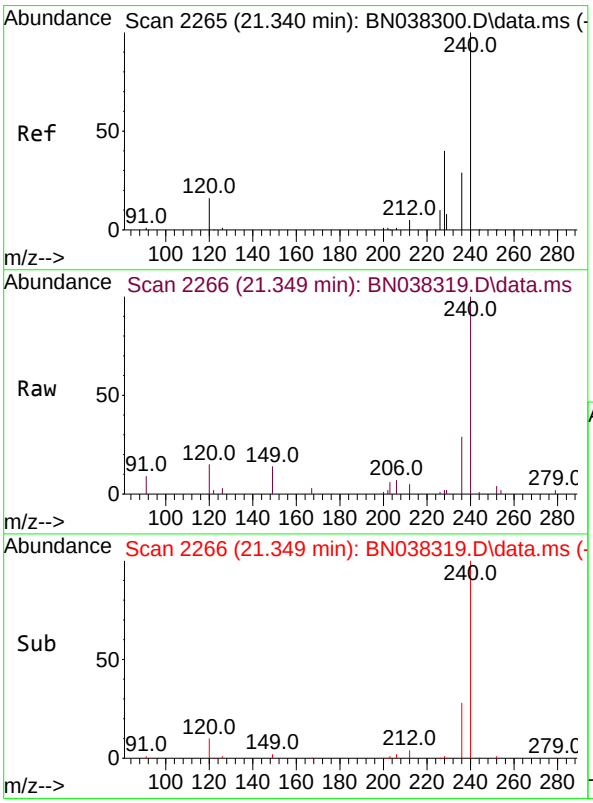
#27
Fluoranthene-d10
Concen: 0.327 ng
RT: 19.188 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425-FD

Tgt Ion:212 Resp: 11568

Ion	Ratio	Lower	Upper
212	100		
106	17.5	13.7	20.5
104	10.0	7.8	11.8

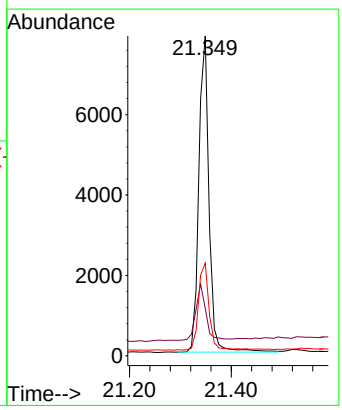


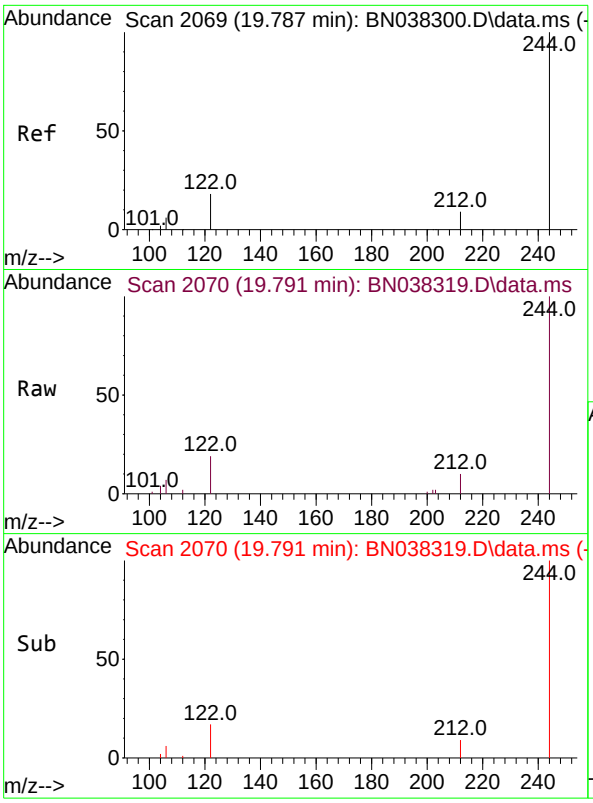


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.349 min Scan# 2266
Delta R.T. 0.009 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Tgt Ion:240 Resp: 10905

Ion	Ratio	Lower	Upper
240	100		
120	14.9	15.4	23.2#
236	29.0	23.9	35.9



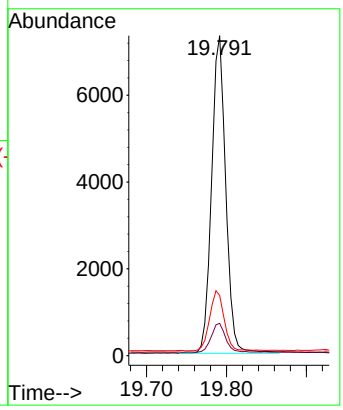


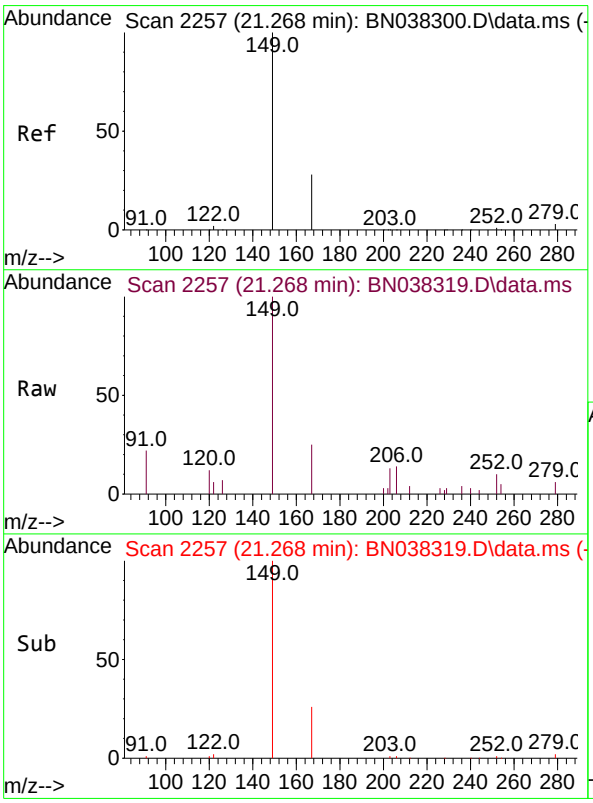
#31
Terphenyl-d14
Concen: 0.371 ng
RT: 19.791 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425-FD

Tgt Ion:244 Resp: 9037

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.9	11.9
122	18.8	15.0	22.6

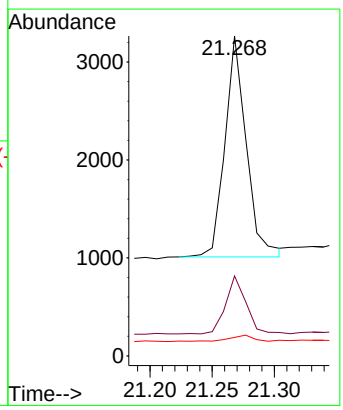


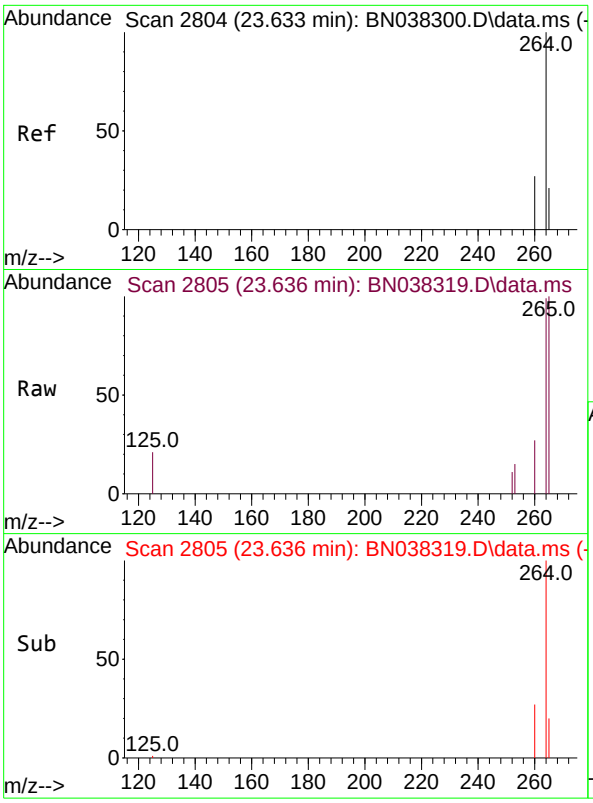


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.117 ng
RT: 21.268 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Tgt Ion:149 Resp: 2697

Ion	Ratio	Lower	Upper
149	100		
167	25.2	21.4	32.0
279	2.8	2.4	3.6



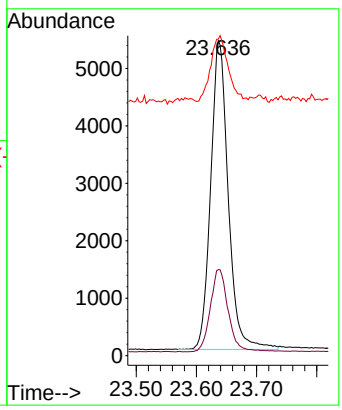


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.636 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN038319.D
Acq: 11 Dec 2025 16:03

Instrument :
BNA_N
ClientSampleId :
OWBR-02-170-120425-FD

Tgt Ion:264 Resp: 10904

Ion	Ratio	Lower	Upper
264	100		
260	27.3	22.2	33.2
265	100.6	80.2	120.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038320.D
Acq On : 11 Dec 2025 16:39
Operator : RC/JU
Sample : Q3787-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425

Quant Time: Dec 11 17:03:56 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

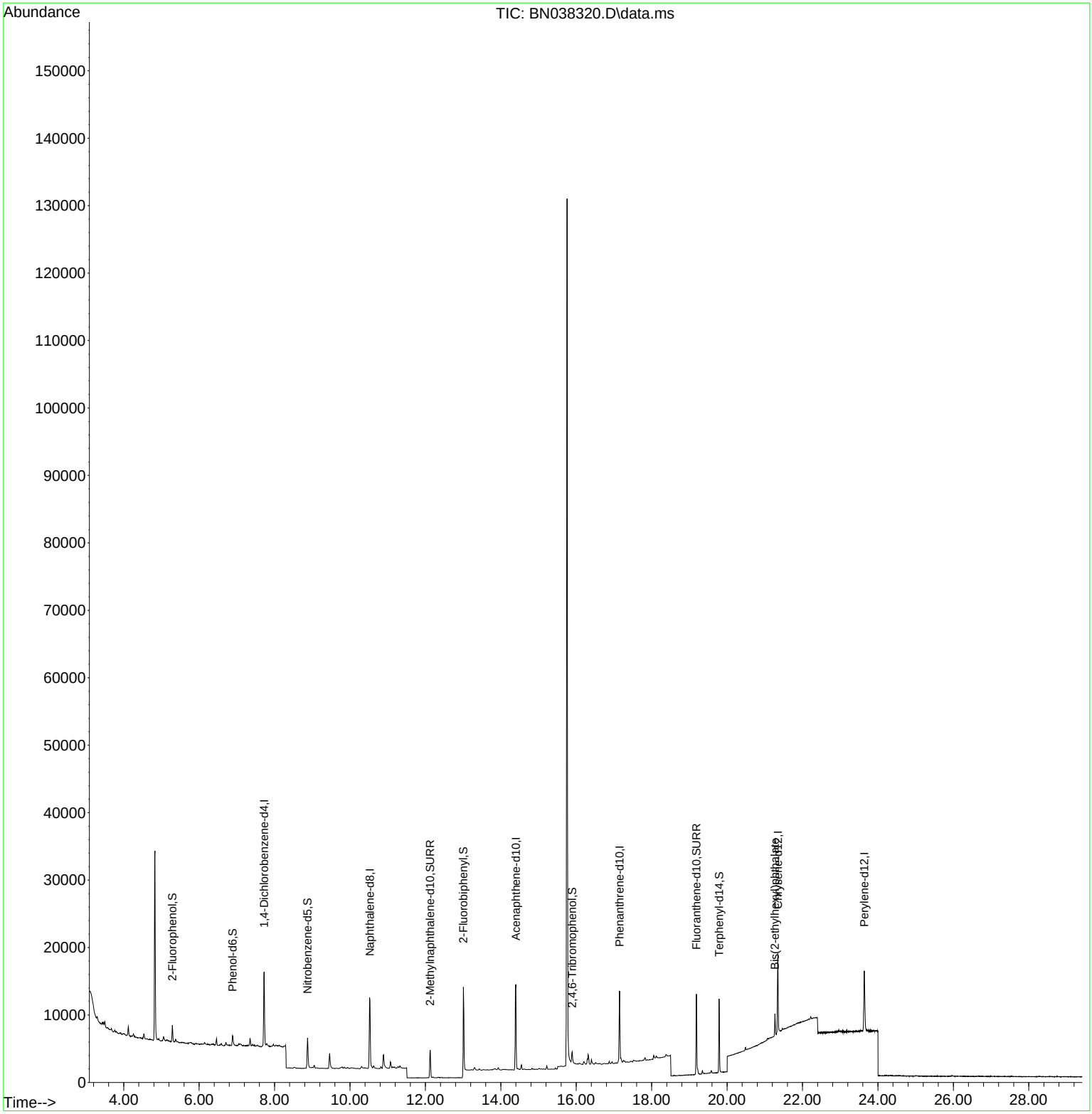
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5614	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	15321	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	7828	0.400	ng	0.00
19) Phenanthrene-d10	17.149	188	14183	0.400	ng	# 0.00
29) Chrysene-d12	21.349	240	11560	0.400	ng	0.00
35) Perylene-d12	23.639	264	11904	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1925	0.138	ng	0.00
5) Phenol-d6	6.887	99	1479	0.089	ng	0.00
8) Nitrobenzene-d5	8.875	82	3931	0.304	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	5757	0.266	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1058	0.305	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	11010	0.292	ng	0.00
27) Fluoranthene-d10	19.188	212	12714	0.362	ng	0.00
31) Terphenyl-d14	19.791	244	10304	0.399	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.268	149	2991	0.122	ng	# 99

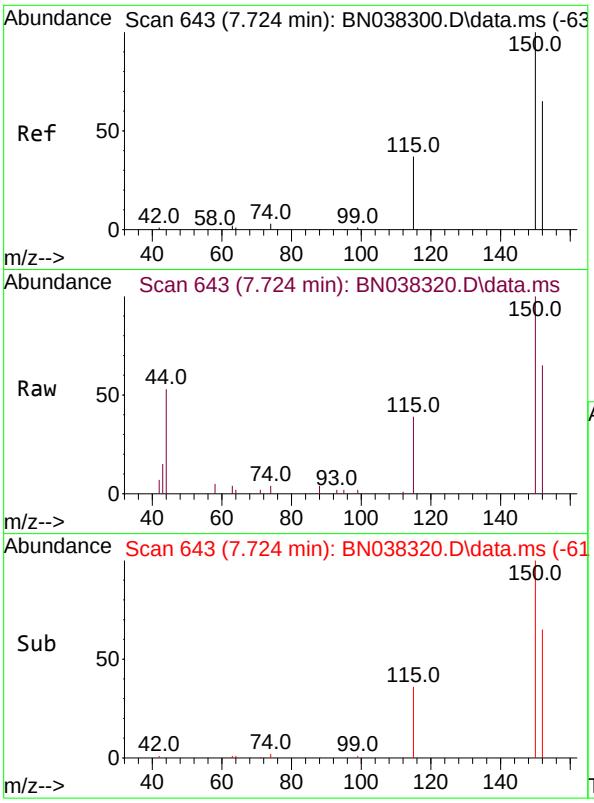
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038320.D
Acq On : 11 Dec 2025 16:39
Operator : RC/JU
Sample : Q3787-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425

Quant Time: Dec 11 17:03:56 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



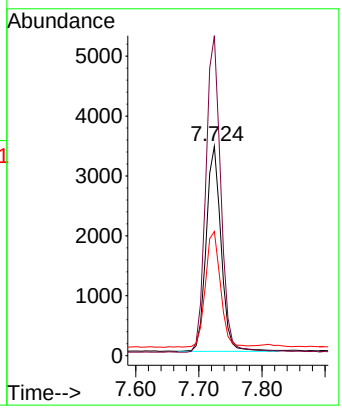


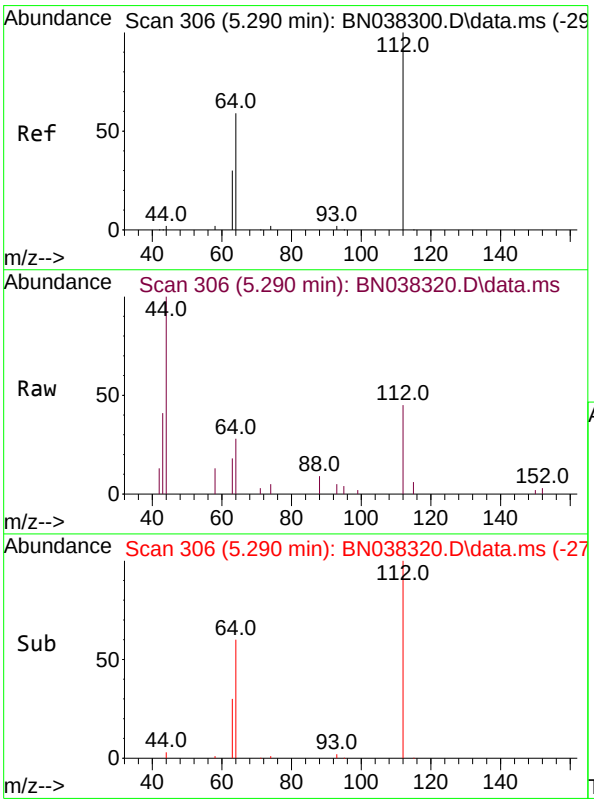
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425

Tgt Ion:152 Resp: 5614

Ion	Ratio	Lower	Upper
152	100		
150	152.8	122.4	183.6
115	59.3	47.3	70.9

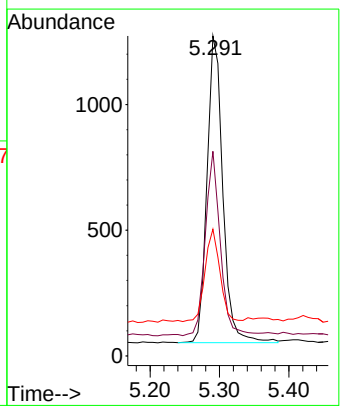


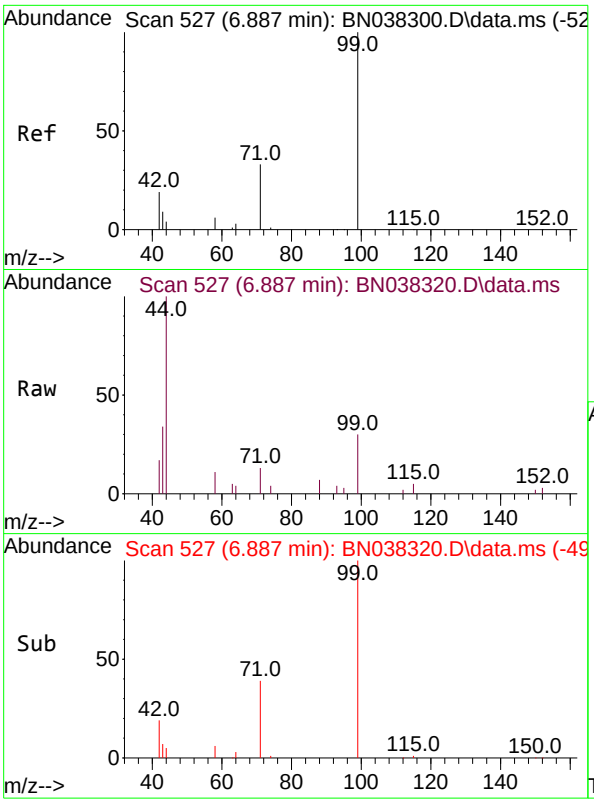


#4
2-Fluorophenol
Concen: 0.138 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Tgt Ion:112 Resp: 1925

Ion	Ratio	Lower	Upper
112	100		
64	57.0	44.4	66.6
63	30.0	23.4	35.0



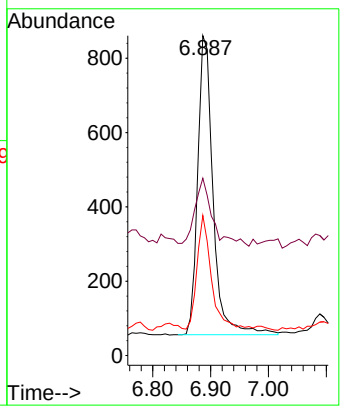


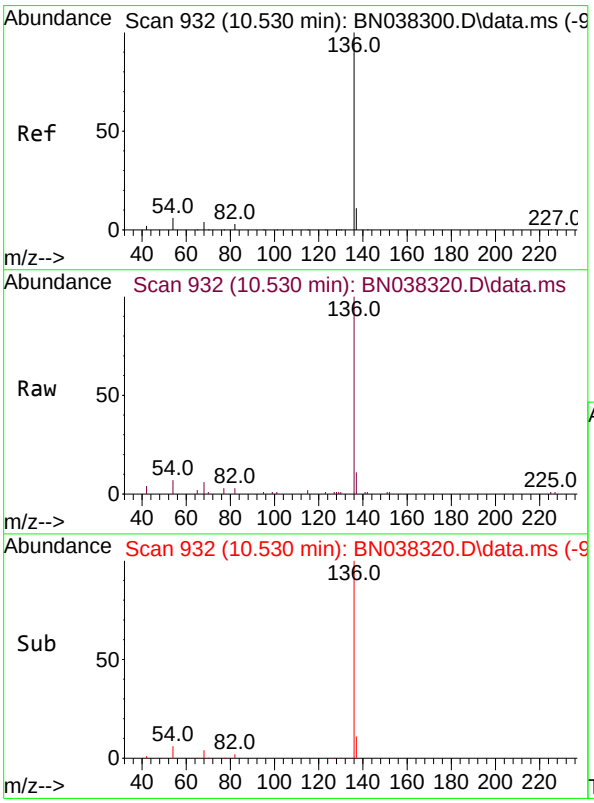
#5
Phenol-d6
Concen: 0.089 ng
RT: 6.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425

Tgt Ion: 99 Resp: 1479

Ion	Ratio	Lower	Upper
99	100		
42	26.2	16.5	24.7#
71	36.6	24.9	37.3

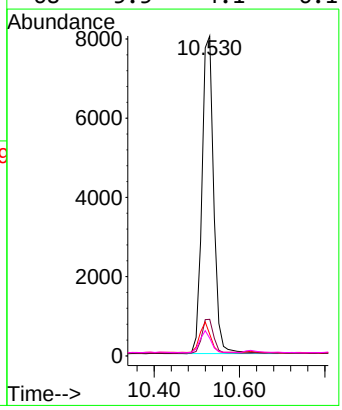


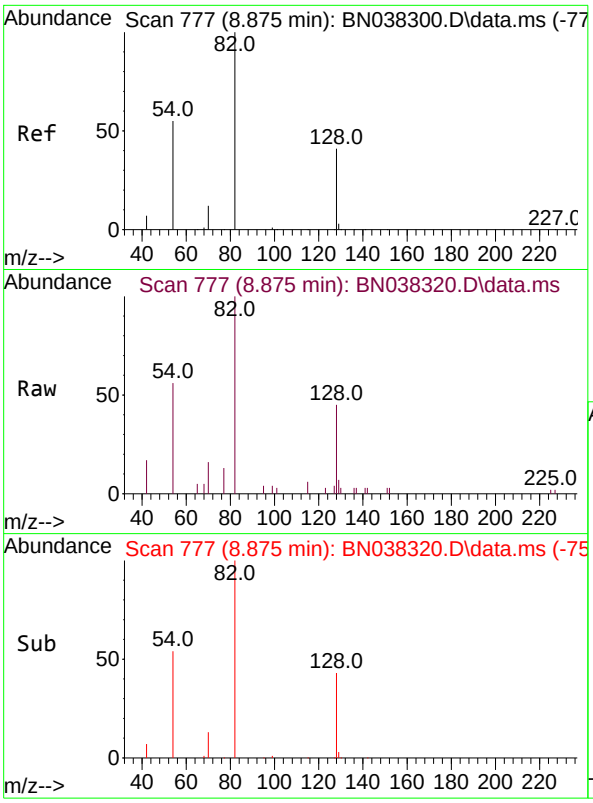


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. 0.000 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Tgt Ion:136 Resp: 15321

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	6.8	5.2	7.8
68	5.5	4.1	6.1



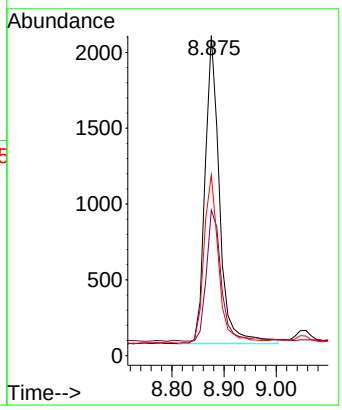


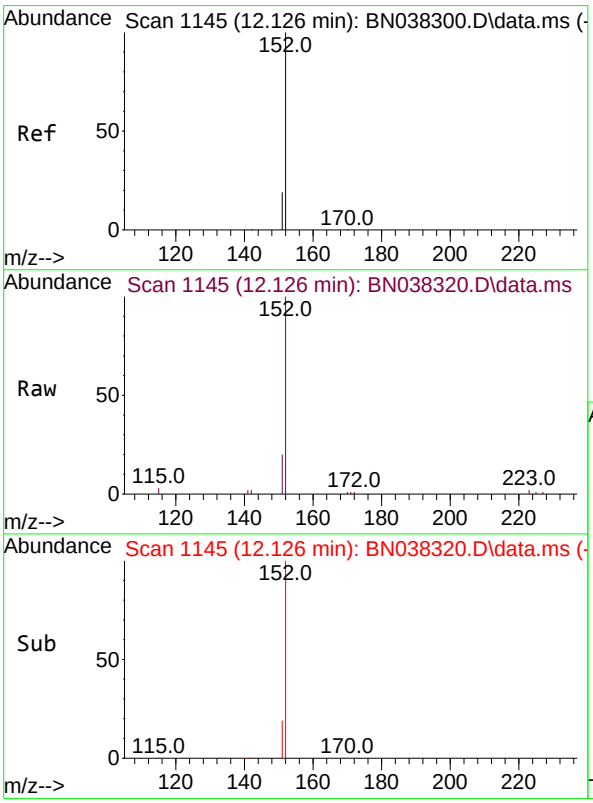
#8
Nitrobenzene-d5
Concen: 0.304 ng
RT: 8.875 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425

Tgt Ion: 82 Resp: 3931

Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.0	51.0
54	56.4	44.4	66.6

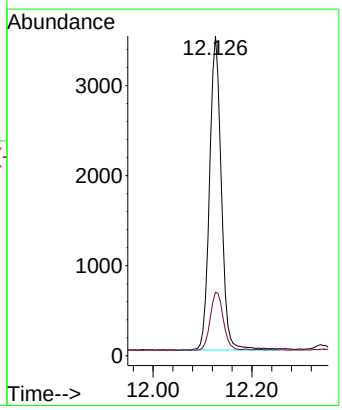


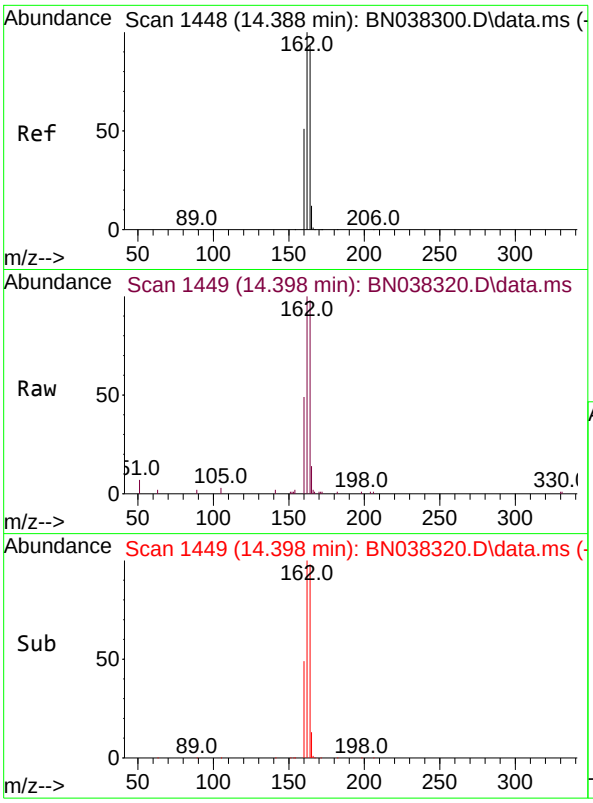


#11
2-Methylnaphthalene-d10
Concen: 0.266 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Tgt Ion:152 Resp: 5757

Ion	Ratio	Lower	Upper
152	100		
151	20.9	17.0	25.6



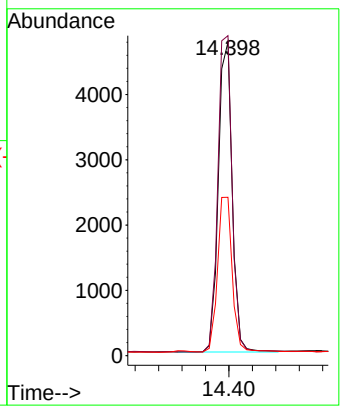


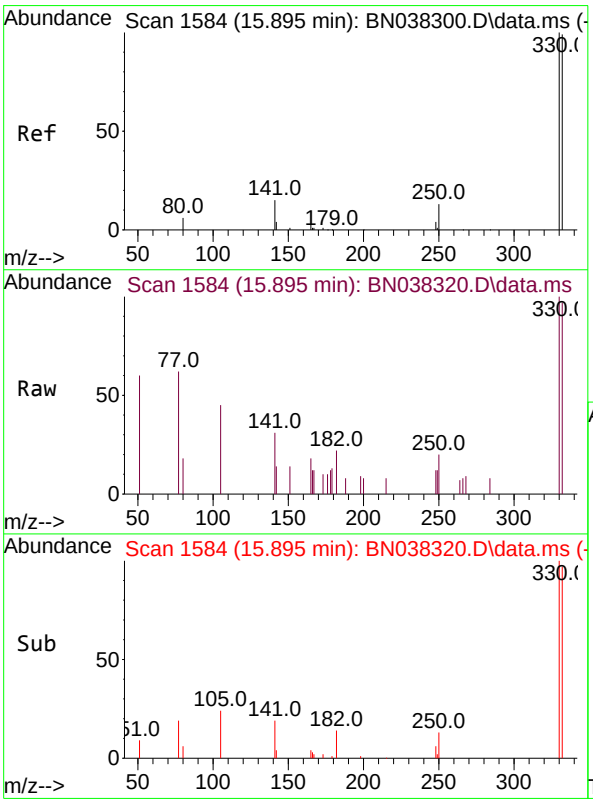
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425

Tgt Ion:164 Resp: 7828

Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.2	129.4
160	50.5	44.6	67.0

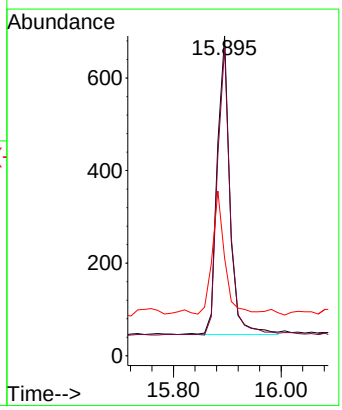


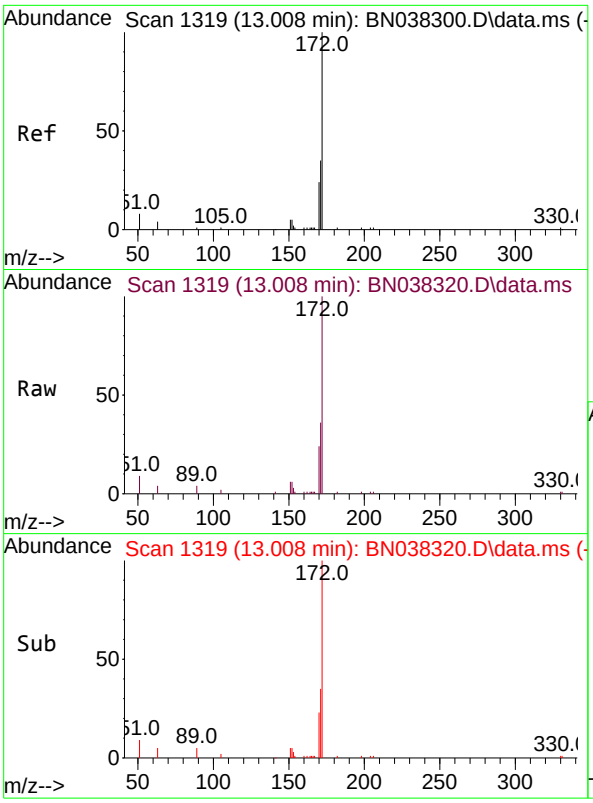


#14
2,4,6-Tribromophenol
Concen: 0.305 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Tgt Ion:330 Resp: 1058

Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.8	113.6
141	40.5	31.8	47.8



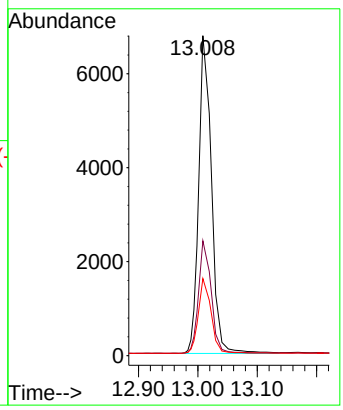


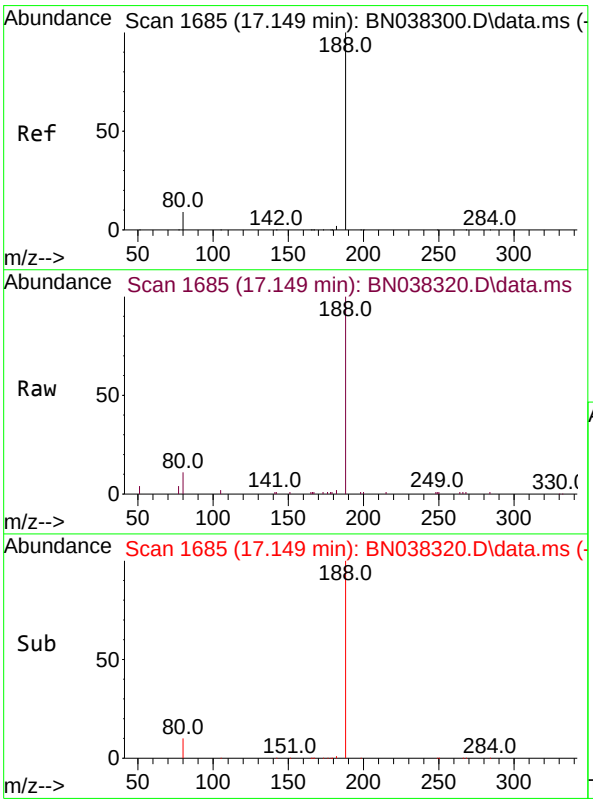
#15
2-Fluorobiphenyl
Concen: 0.292 ng
RT: 13.008 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425

Tgt Ion:172 Resp: 11010

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	42.8
170	24.1	19.3	28.9

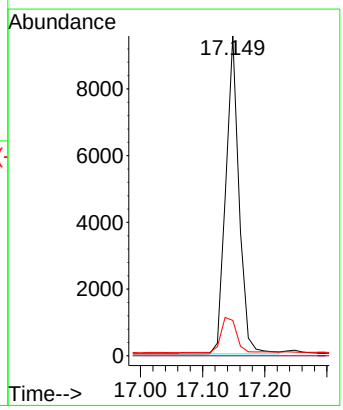


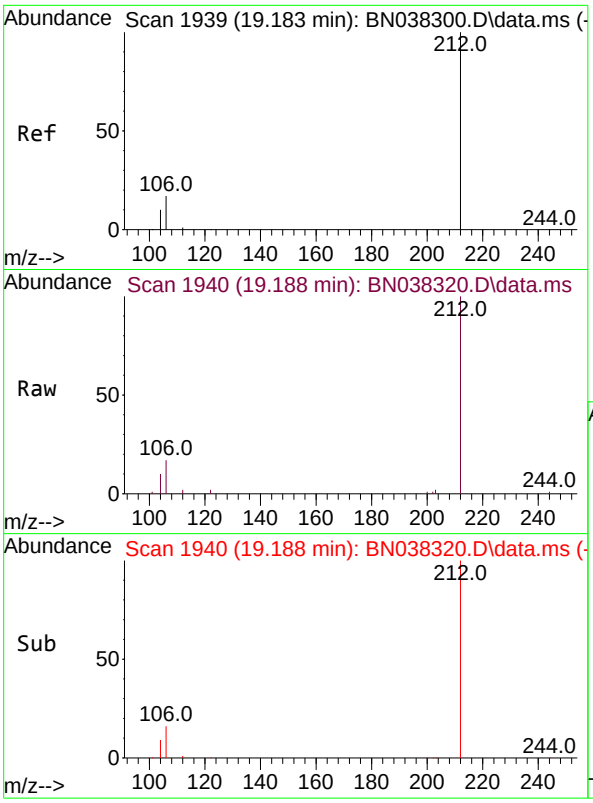


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Tgt Ion:188 Resp: 14183

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.1	7.4	11.0#



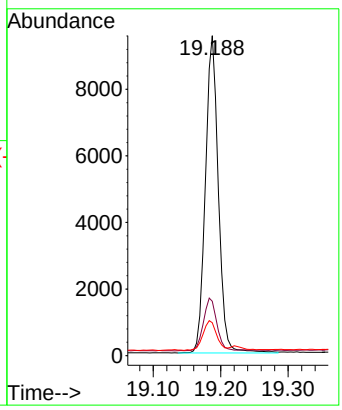


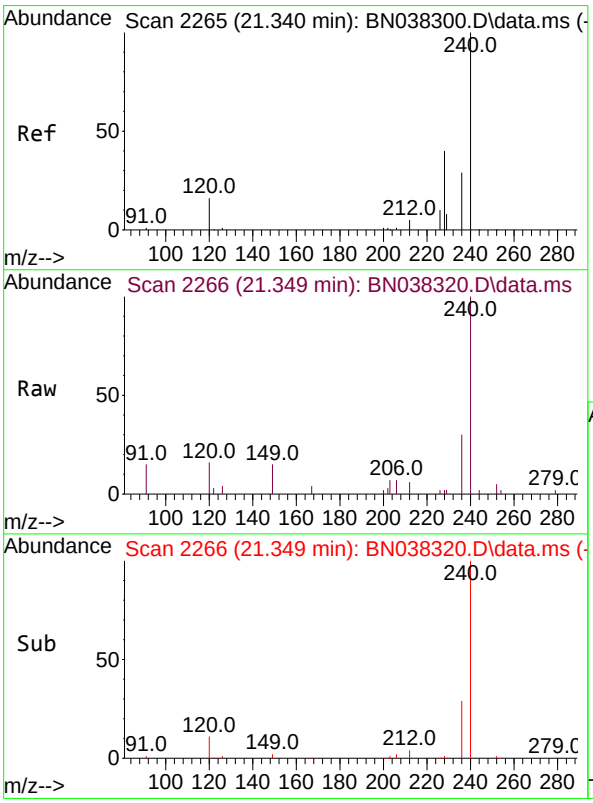
#27
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.188 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425

Tgt Ion:212 Resp: 12714

Ion	Ratio	Lower	Upper
212	100		
106	17.0	13.7	20.5
104	9.8	7.8	11.8

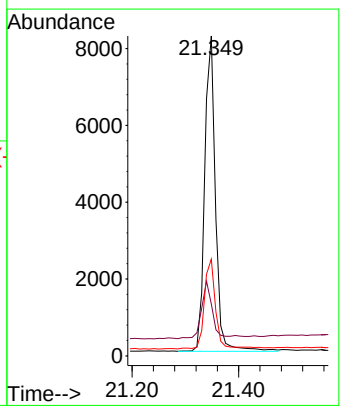


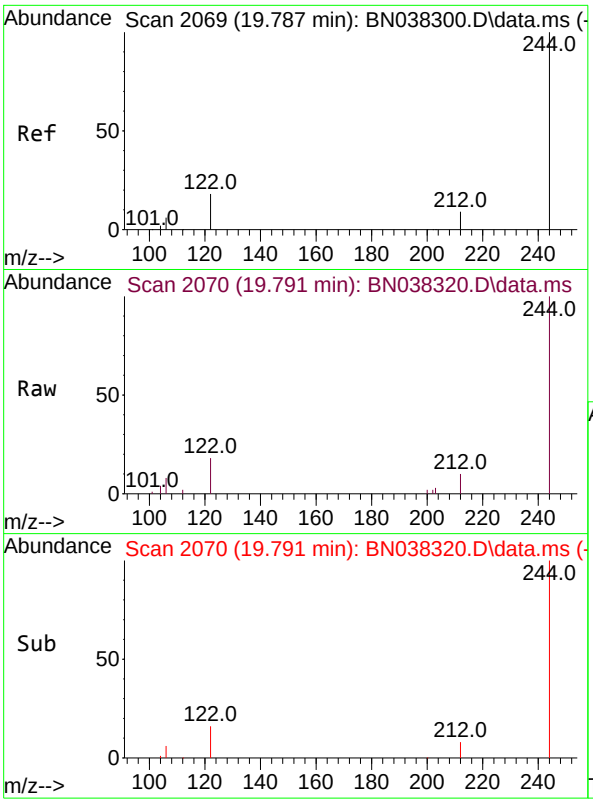


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.349 min Scan# 2266
Delta R.T. 0.009 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Tgt Ion:240 Resp: 11560

Ion	Ratio	Lower	Upper
240	100		
120	16.2	15.4	23.2
236	30.2	23.9	35.9



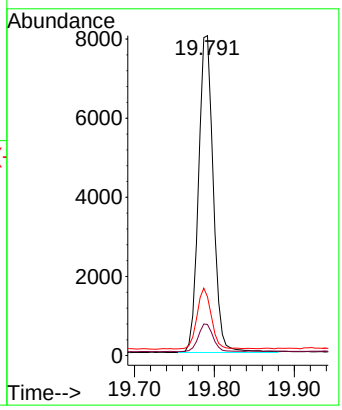


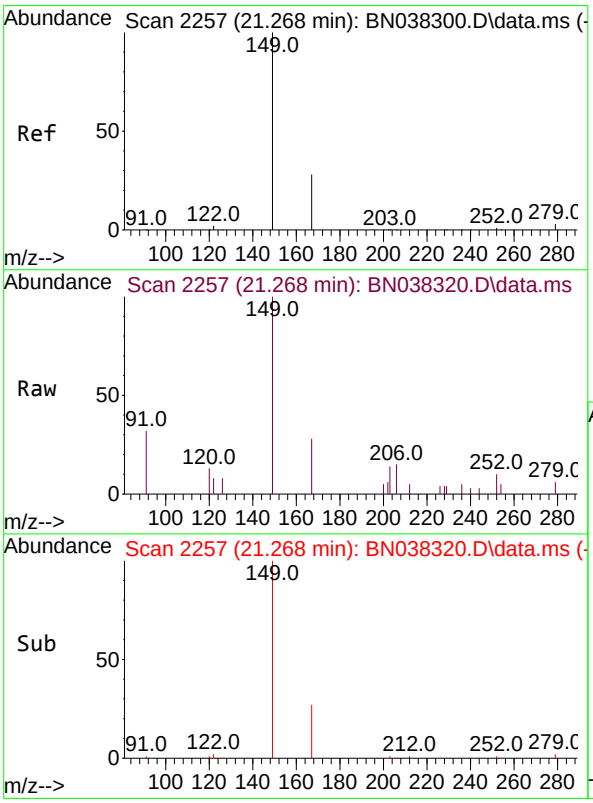
#31
Terphenyl-d14
Concen: 0.399 ng
RT: 19.791 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425

Tgt Ion:244 Resp: 10304

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.9	11.9
122	18.3	15.0	22.6

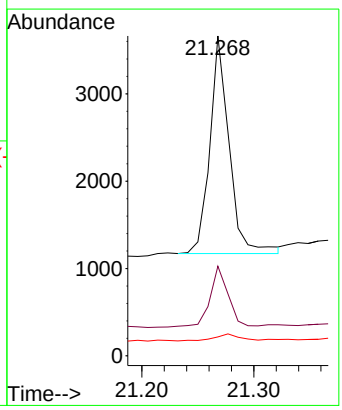


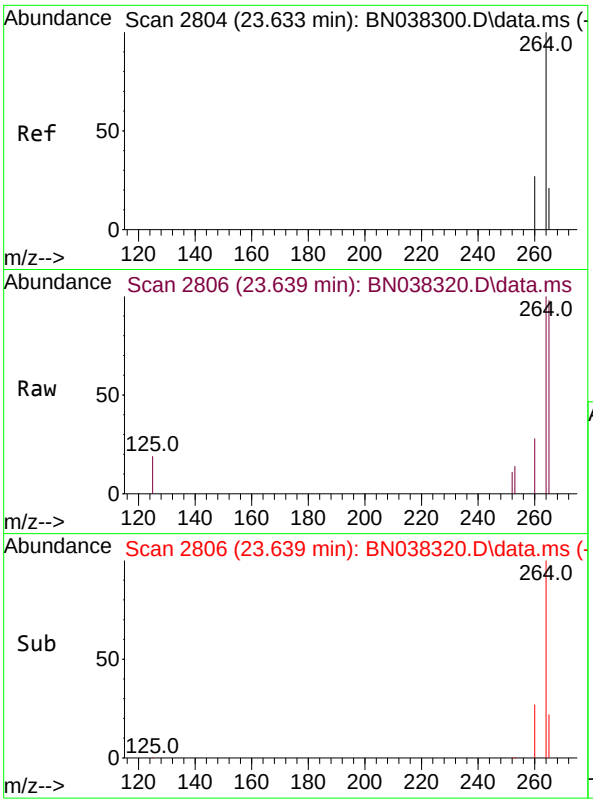


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.122 ng
RT: 21.268 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Tgt Ion:149 Resp: 2991

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.4	32.0
279	4.2	2.4	3.6#



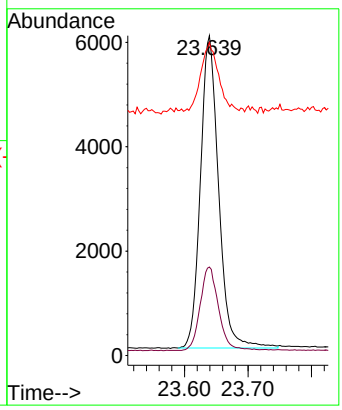


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.639 min Scan# 28
Delta R.T. 0.006 min
Lab File: BN038320.D
Acq: 11 Dec 2025 16:39

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425

Tgt Ion:264 Resp: 11904

Ion	Ratio	Lower	Upper
264	100		
260	27.7	22.2	33.2
265	97.9	80.2	120.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038321.D
Acq On : 11 Dec 2025 17:15
Operator : RC/JU
Sample : Q3787-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425-FD

Quant Time: Dec 11 17:41:44 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

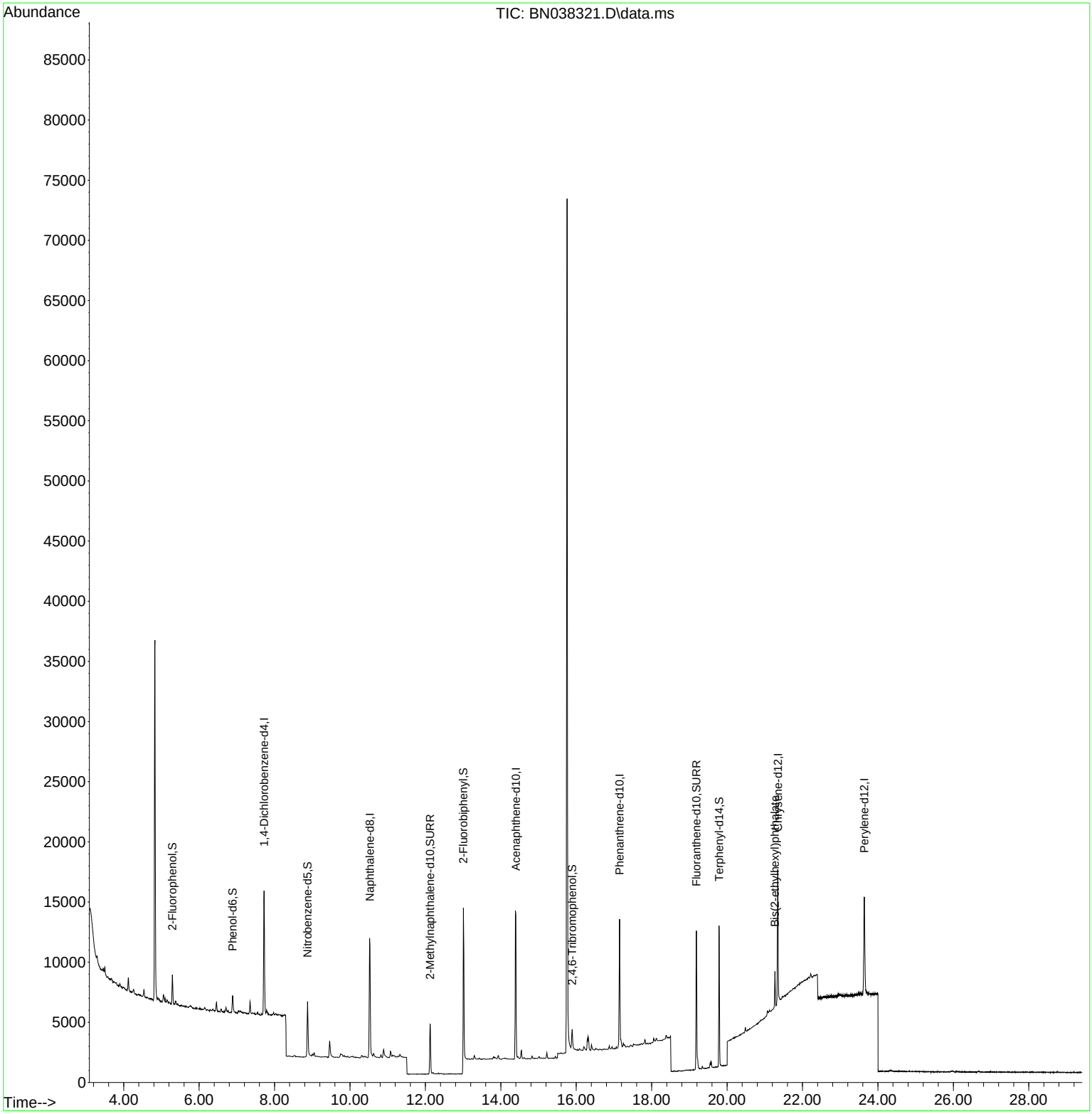
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5356	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	14557	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	7569	0.400	ng	0.00
19) Phenanthrene-d10	17.149	188	13759	0.400	ng	# 0.00
29) Chrysene-d12	21.349	240	11050	0.400	ng	# 0.00
35) Perylene-d12	23.639	264	11101	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1956	0.147	ng	0.00
5) Phenol-d6	6.887	99	1433	0.090	ng	0.00
8) Nitrobenzene-d5	8.875	82	3982	0.324	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	5840	0.284	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1029	0.306	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	11508	0.316	ng	0.00
27) Fluoranthene-d10	19.187	212	12586	0.370	ng	0.00
31) Terphenyl-d14	19.787	244	10741	0.436	ng	0.00
Target Compounds						Qvalue
34) Bis(2-ethylhexyl)phtha...	21.268	149	2724	0.116	ng	# 98

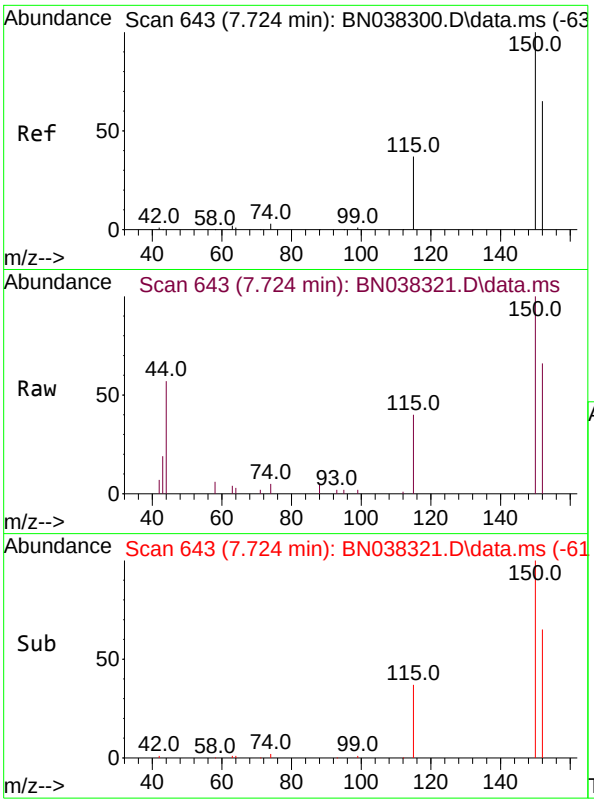
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038321.D
Acq On : 11 Dec 2025 17:15
Operator : RC/JU
Sample : Q3787-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425-FD

Quant Time: Dec 11 17:41:44 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



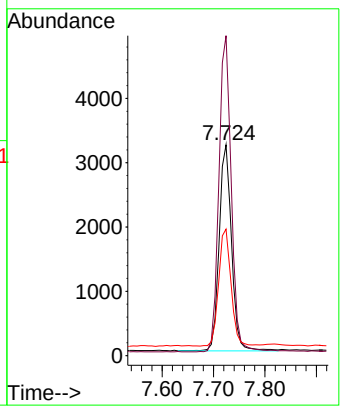


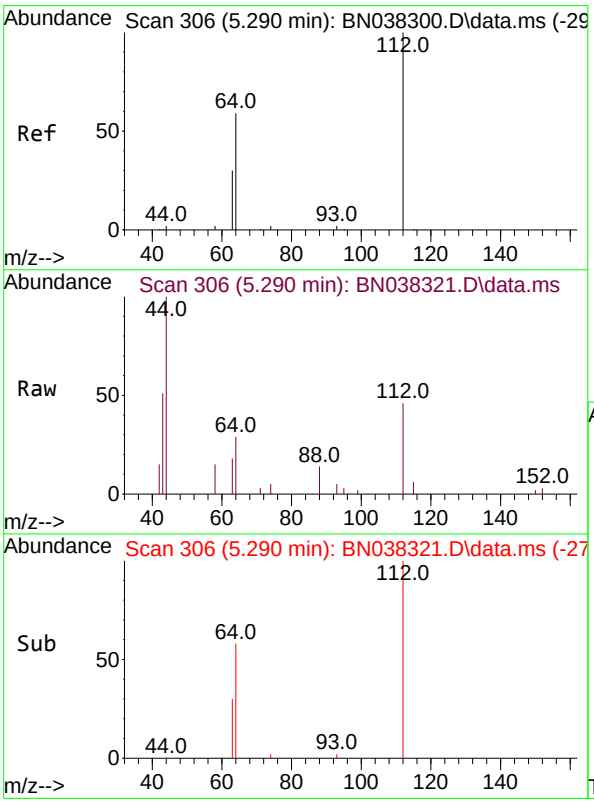
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425-FD

Tgt Ion:152 Resp: 5356

Ion	Ratio	Lower	Upper
152	100		
150	151.8	122.4	183.6
115	60.0	47.3	70.9

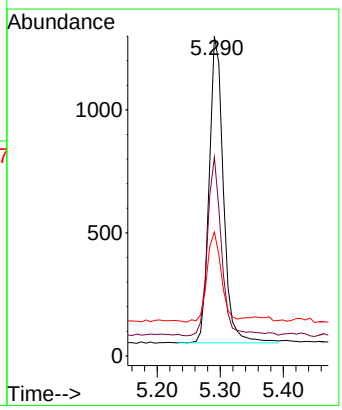


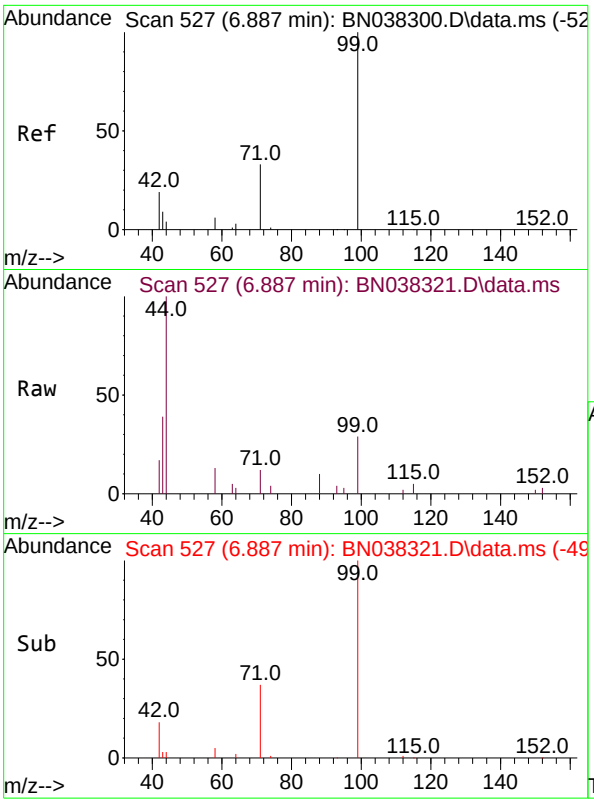


#4
2-Fluorophenol
Concen: 0.147 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Tgt Ion:112 Resp: 1956

Ion	Ratio	Lower	Upper
112	100		
64	58.2	44.4	66.6
63	29.8	23.4	35.0



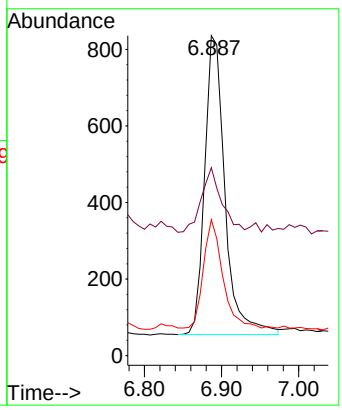


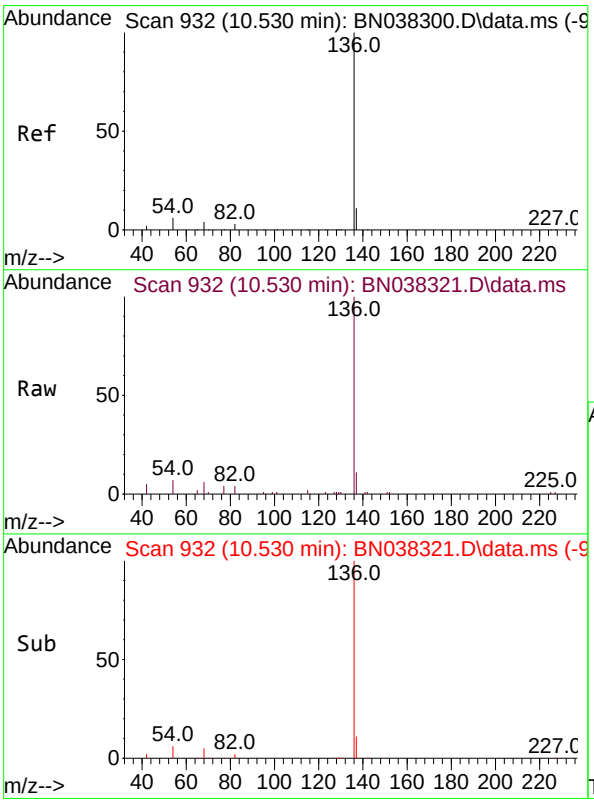
#5
Phenol-d6
Concen: 0.090 ng
RT: 6.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425-FD

Tgt Ion: 99 Resp: 1433

Ion	Ratio	Lower	Upper
99	100		
42	21.6	16.5	24.7
71	34.5	24.9	37.3

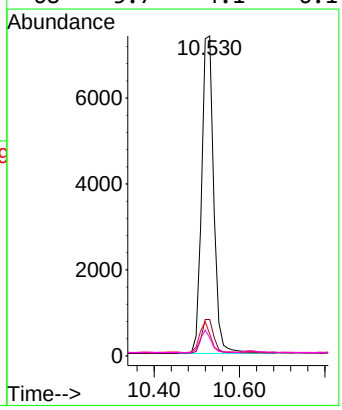


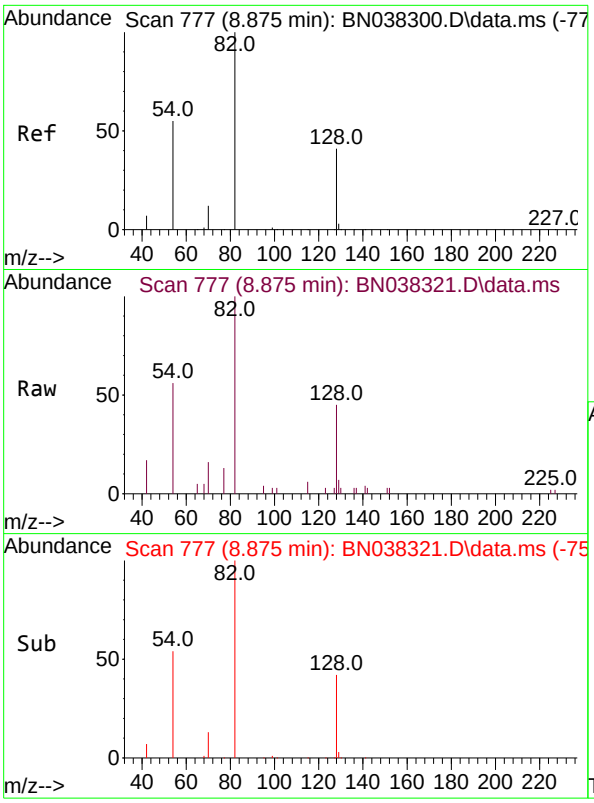


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. 0.000 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Tgt Ion:136 Resp: 14557

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	6.8	5.2	7.8
68	5.7	4.1	6.1



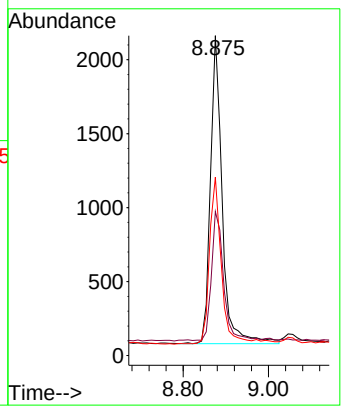


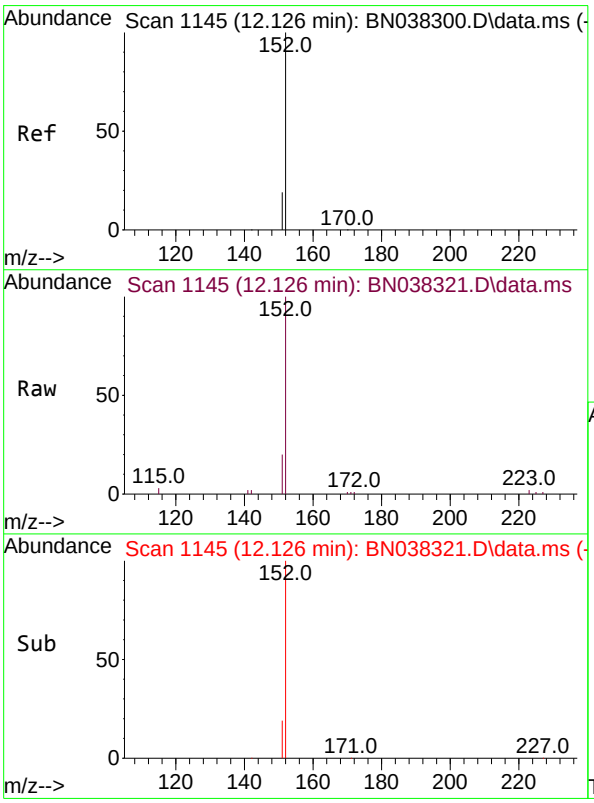
#8
Nitrobenzene-d5
Concen: 0.324 ng
RT: 8.875 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425-FD

Tgt Ion: 82 Resp: 3982

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.0	51.0
54	55.8	44.4	66.6

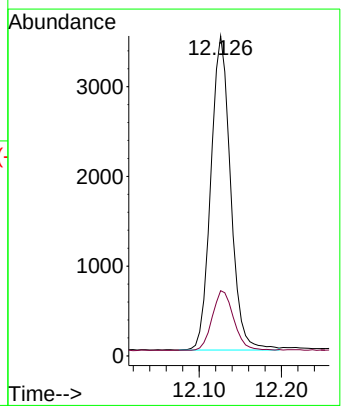


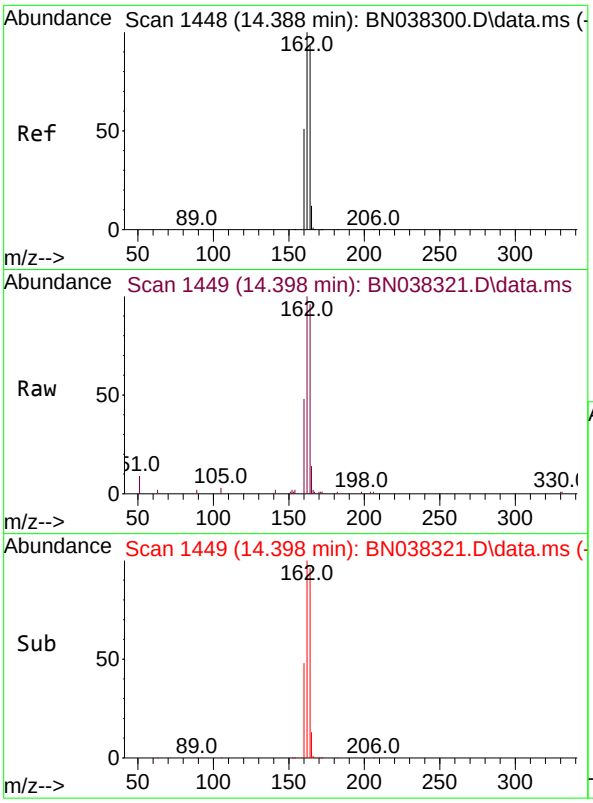


#11
2-Methylnaphthalene-d10
Concen: 0.284 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Tgt Ion:152 Resp: 5840

Ion	Ratio	Lower	Upper
152	100		
151	20.5	17.0	25.6



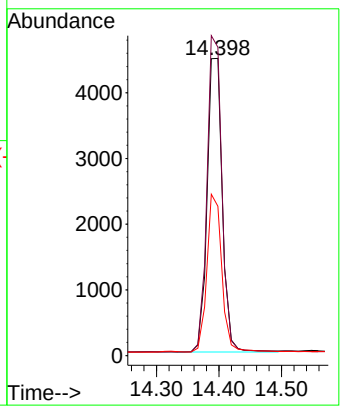


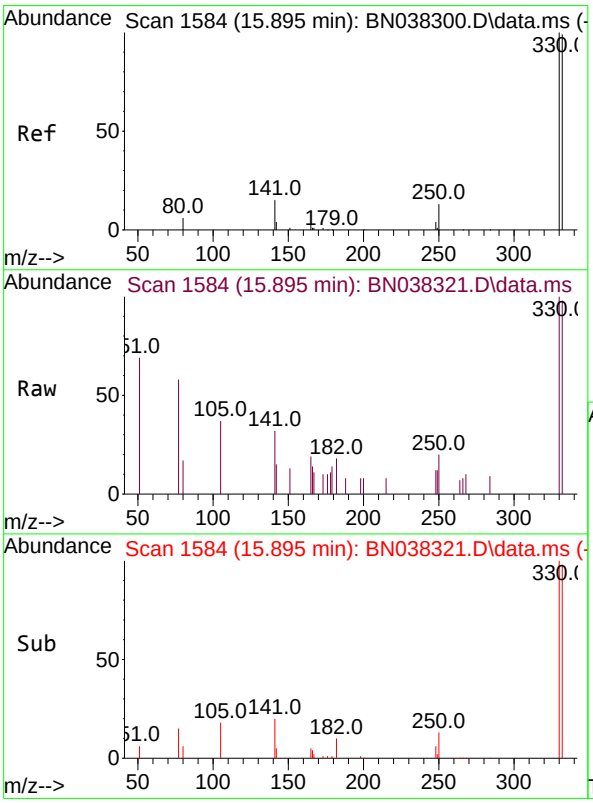
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425-FD

Tgt Ion:164 Resp: 7569

Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.2	129.4
160	50.2	44.6	67.0

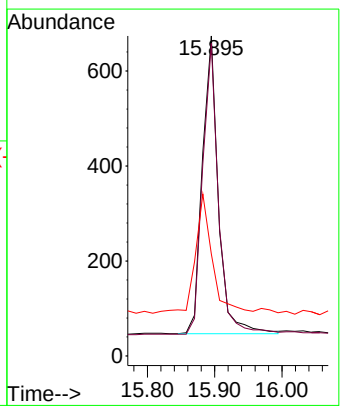


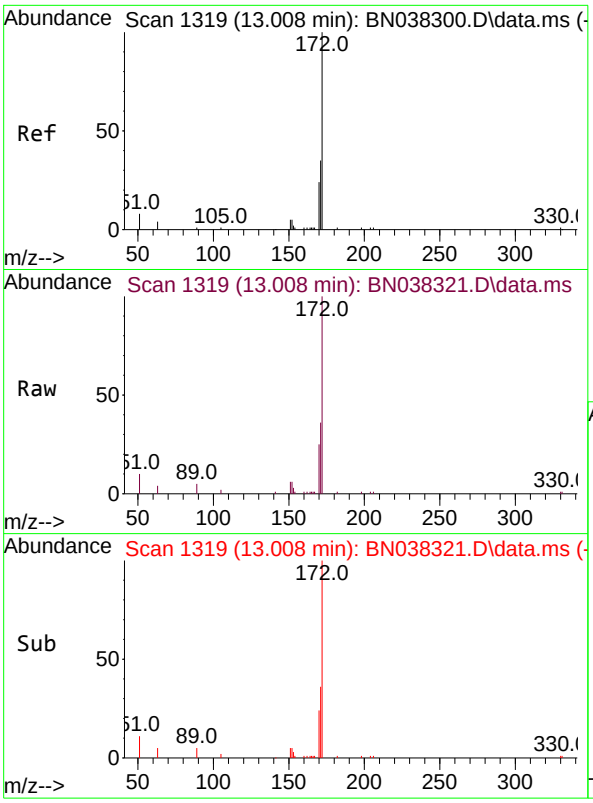


#14
2,4,6-Tribromophenol
Concen: 0.306 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Tgt Ion:330 Resp: 1029

Ion	Ratio	Lower	Upper
330	100		
332	97.7	75.8	113.6
141	41.8	31.8	47.8



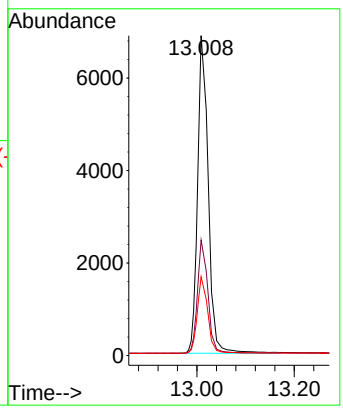


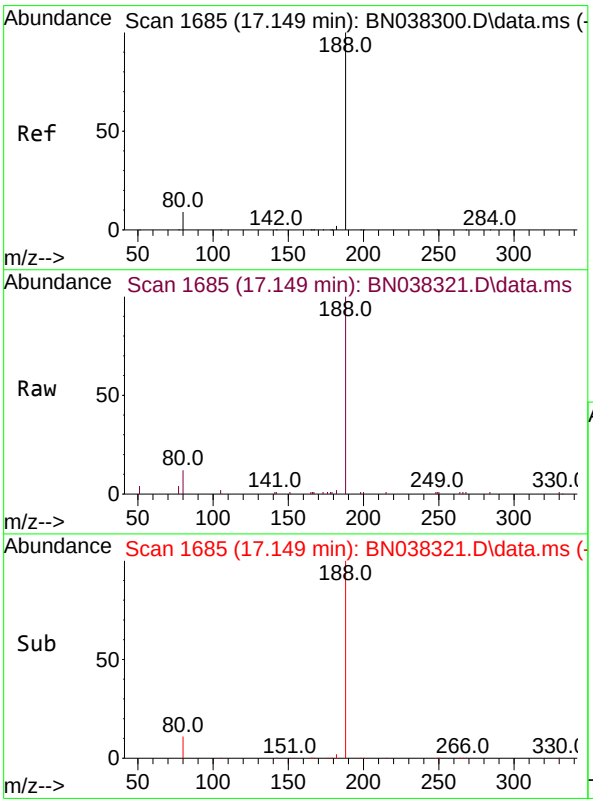
#15
2-Fluorobiphenyl
Concen: 0.316 ng
RT: 13.008 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425-FD

Tgt Ion:172 Resp: 11508

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	42.8
170	24.6	19.3	28.9

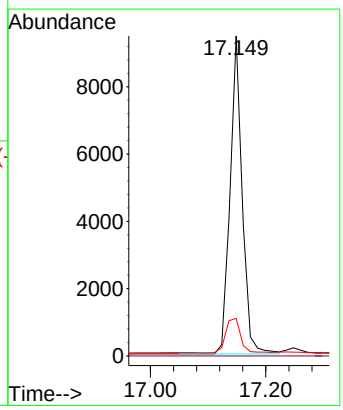


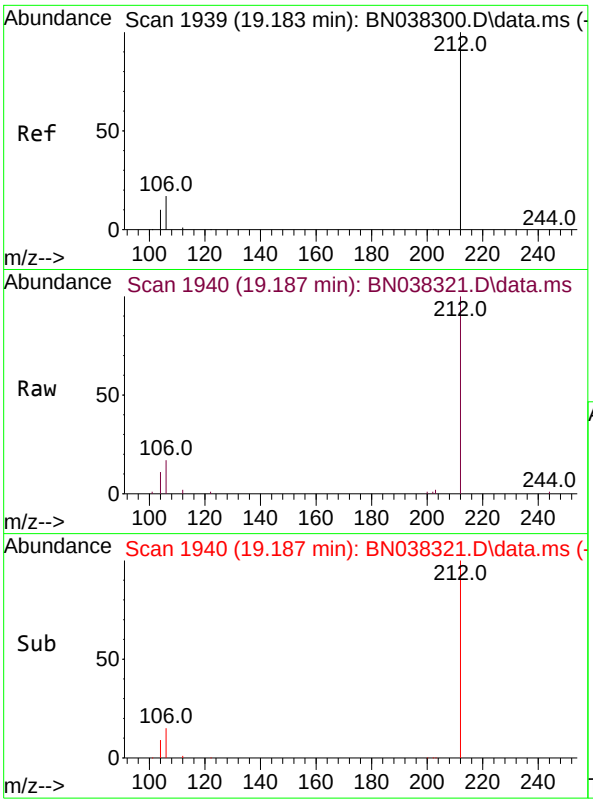


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Tgt Ion:188 Resp: 13759

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	7.4	11.0#



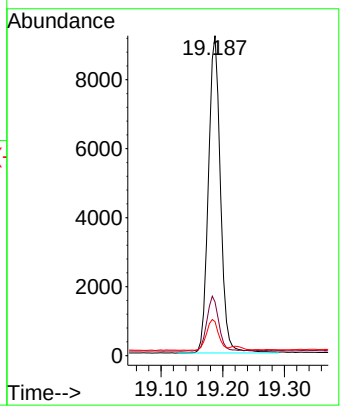


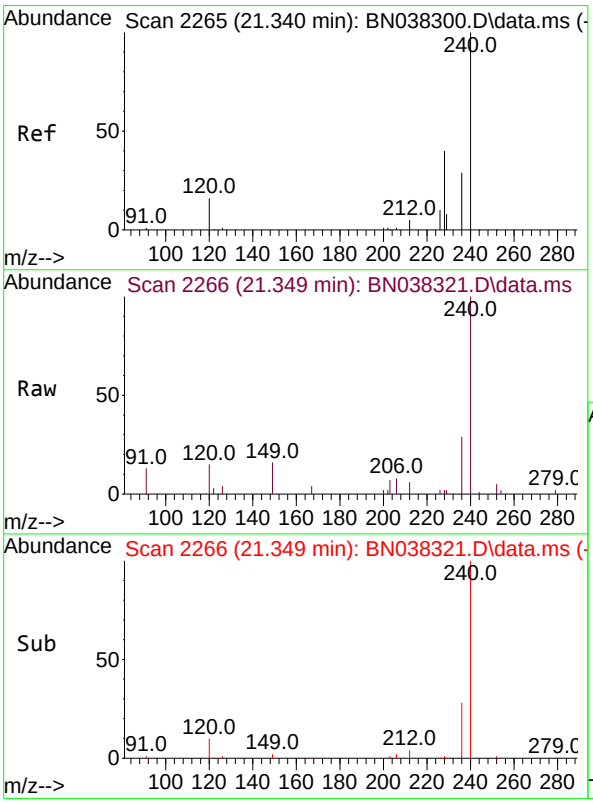
#27
Fluoranthene-d10
Concen: 0.370 ng
RT: 19.187 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425-FD

Tgt Ion:212 Resp: 12586

Ion	Ratio	Lower	Upper
212	100		
106	17.2	13.7	20.5
104	9.6	7.8	11.8

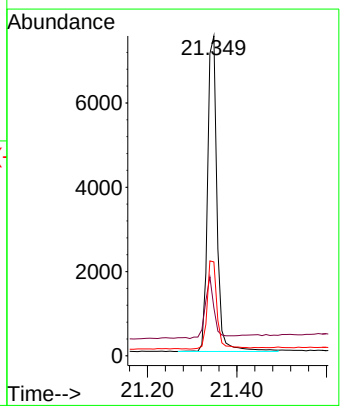


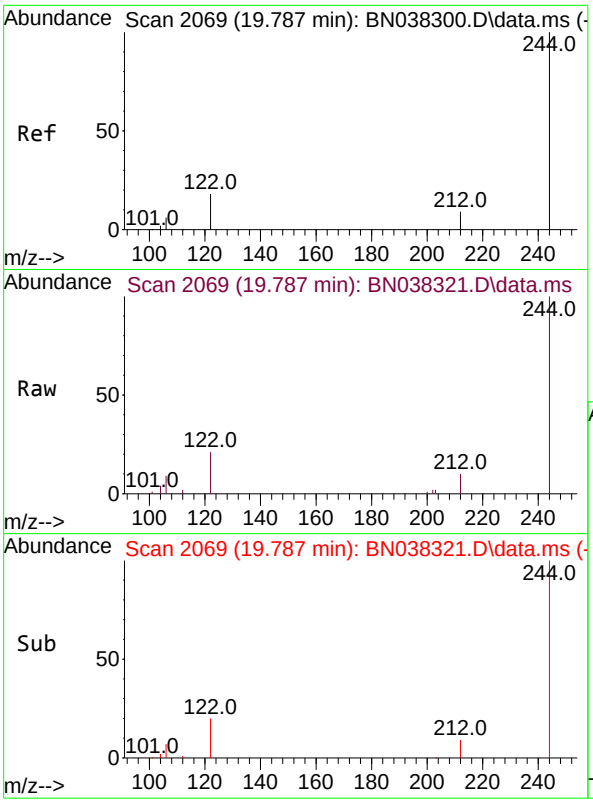


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.349 min Scan# 2266
Delta R.T. 0.009 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Tgt Ion:240 Resp: 11050

Ion	Ratio	Lower	Upper
240	100		
120	15.0	15.4	23.2#
236	29.4	23.9	35.9



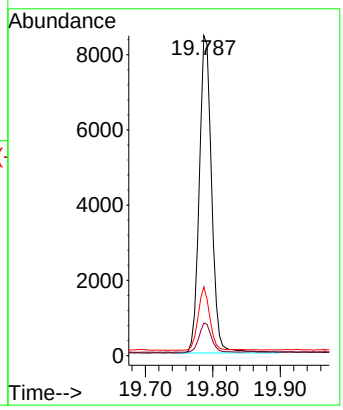


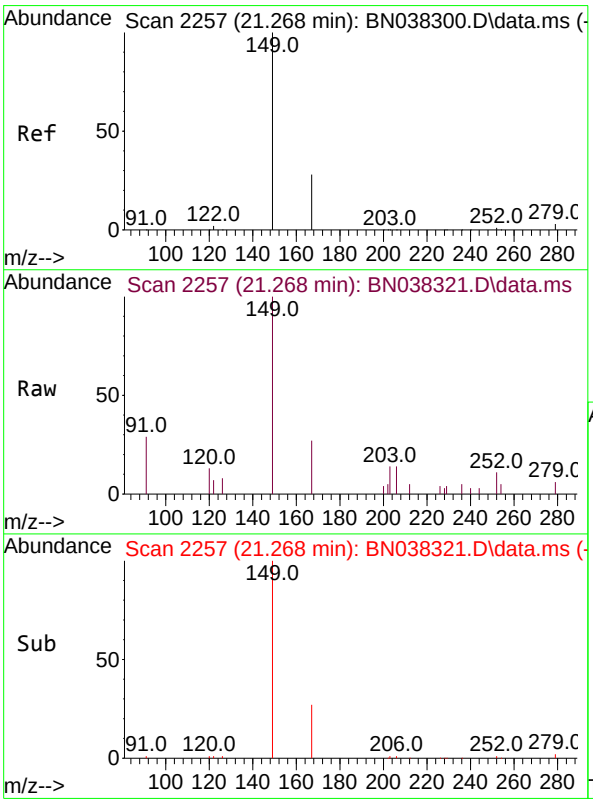
#31
Terphenyl-d14
Concen: 0.436 ng
RT: 19.787 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425-FD

Tgt Ion:244 Resp: 10741

Ion	Ratio	Lower	Upper
244	100		
212	10.2	7.9	11.9
122	21.5	15.0	22.6

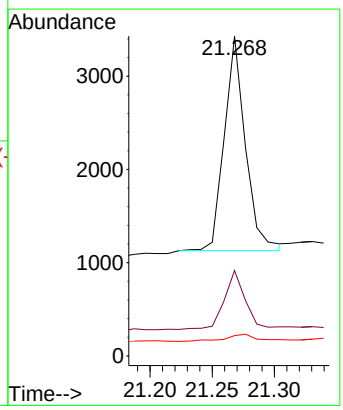


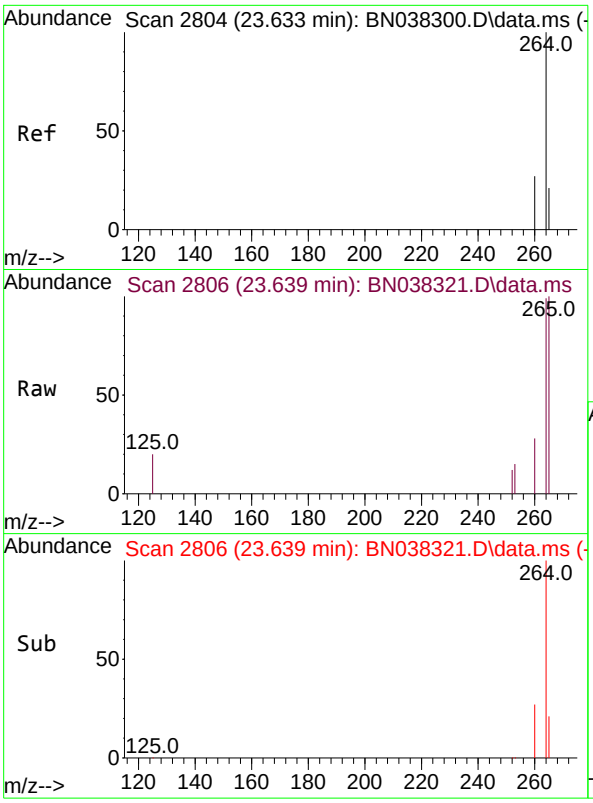


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.116 ng
RT: 21.268 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Tgt Ion:149 Resp: 2724

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.4	32.0
279	5.4	2.4	3.6#



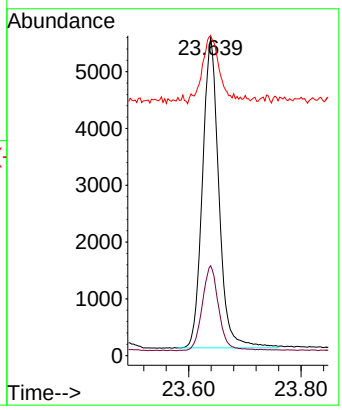


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.639 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN038321.D
Acq: 11 Dec 2025 17:15

Instrument :
BNA_N
ClientSampleId :
OW-03B-51.5-120425-FD

Tgt Ion:264 Resp: 11101

Ion	Ratio	Lower	Upper
264	100		
260	28.3	22.2	33.2
265	100.7	80.2	120.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038322.D
Acq On : 11 Dec 2025 17:52
Operator : RC/JU
Sample : Q3787-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425

Quant Time: Dec 12 00:09:46 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

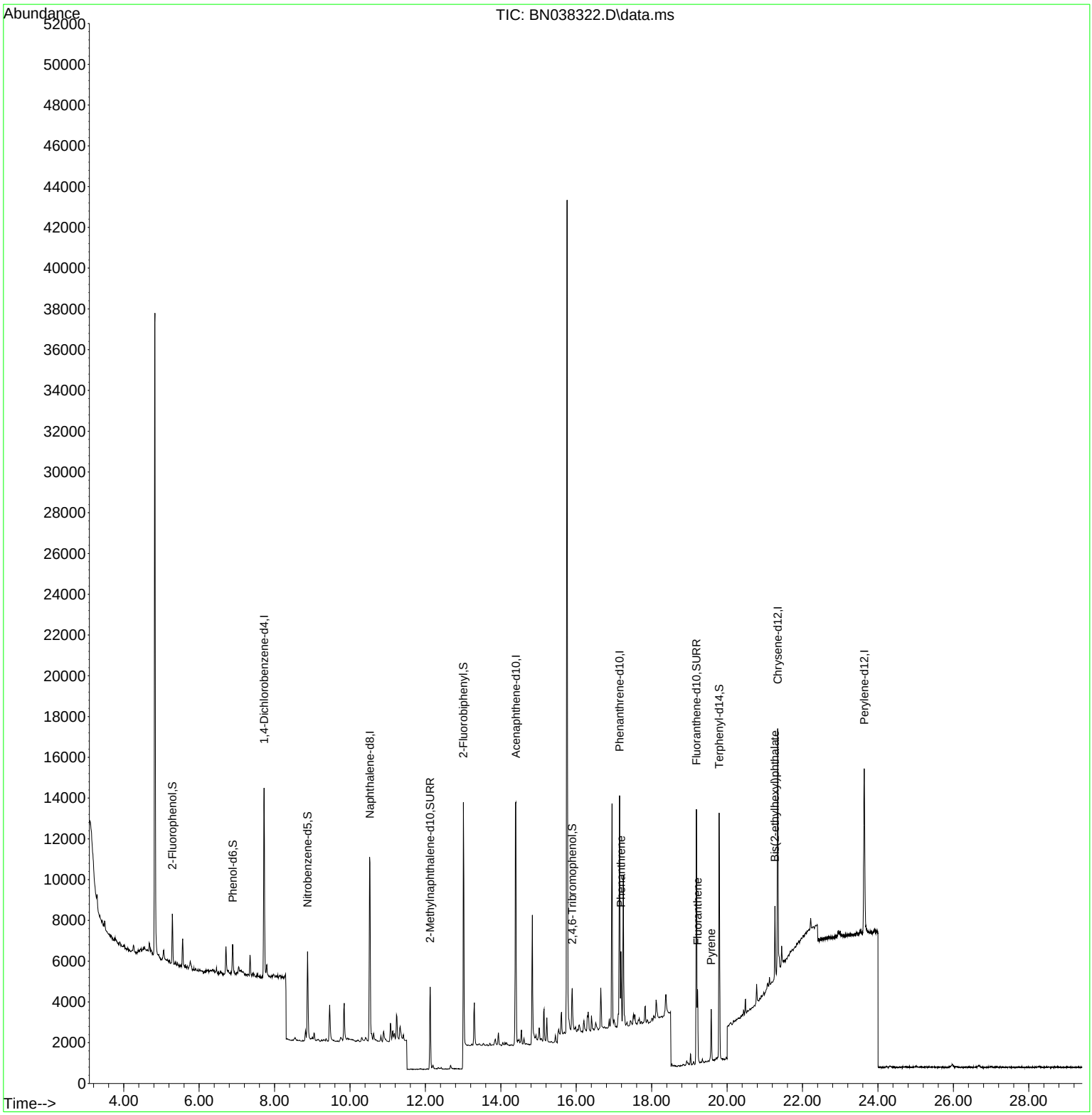
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.724	152	4848	0.400	ng		0.00
7) Naphthalene-d8	10.530	136	13267	0.400	ng		0.00
13) Acenaphthene-d10	14.398	164	7308	0.400	ng		0.00
19) Phenanthrene-d10	17.148	188	14315	0.400	ng		0.00
29) Chrysene-d12	21.339	240	11515	0.400	ng	#	0.00
35) Perylene-d12	23.636	264	11572	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.290	112	1990	0.165	ng		0.00
5) Phenol-d6	6.894	99	1437	0.100	ng		0.00
8) Nitrobenzene-d5	8.875	82	3853	0.344	ng		0.00
11) 2-Methylnaphthalene-d10	12.126	152	5399	0.288	ng		0.00
14) 2,4,6-Tribromophenol	15.895	330	1289	0.398	ng		0.00
15) 2-Fluorobiphenyl	13.008	172	10705	0.304	ng		0.00
27) Fluoranthene-d10	19.187	212	13443	0.380	ng		0.00
31) Terphenyl-d14	19.791	244	10772	0.419	ng		0.00
Target Compounds							Qvalue
25) Phenanthrene	17.186	178	3773	0.076	ng		98
28) Fluoranthene	19.215	202	2739	0.052	ng	#	95
30) Pyrene	19.578	202	2278	0.040	ng	#	91
34) Bis(2-ethylhexyl)phtha...	21.268	149	3254	0.133	ng	#	95

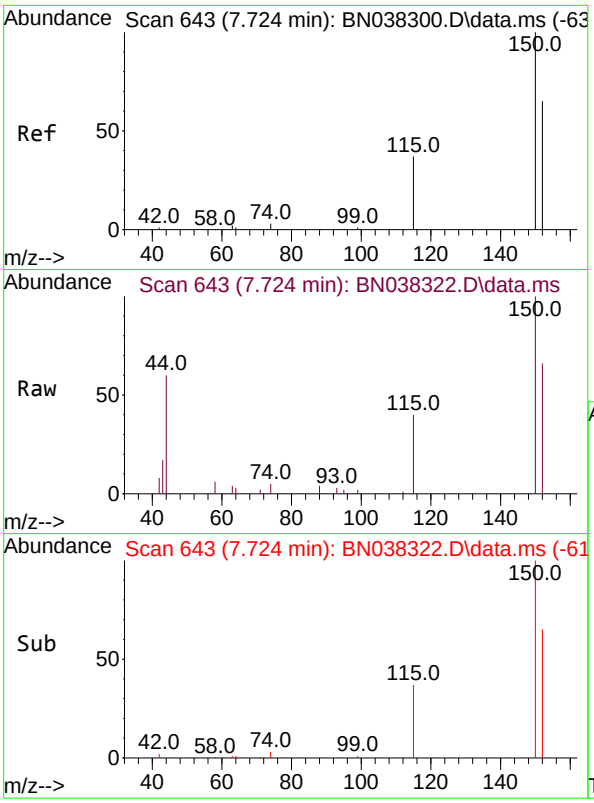
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038322.D
Acq On : 11 Dec 2025 17:52
Operator : RC/JU
Sample : Q3787-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425

Quant Time: Dec 12 00:09:46 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



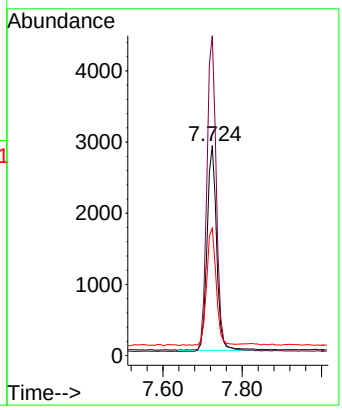


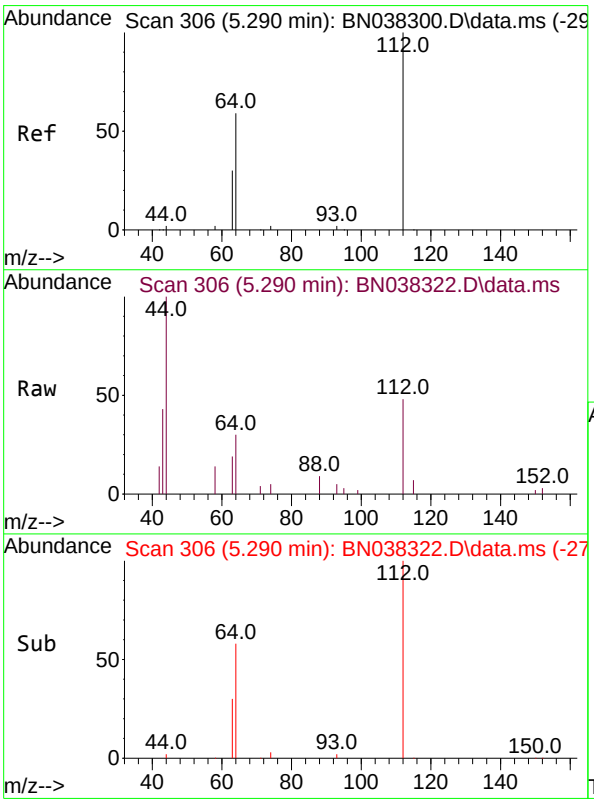
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion:152 Resp: 4848

Ion	Ratio	Lower	Upper
152	100		
150	152.4	122.4	183.6
115	60.6	47.3	70.9

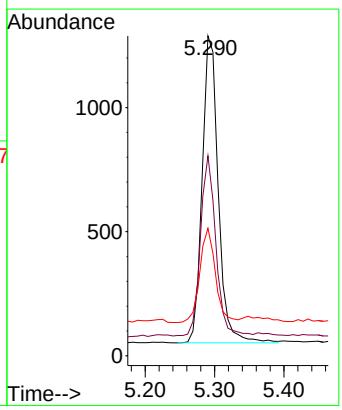


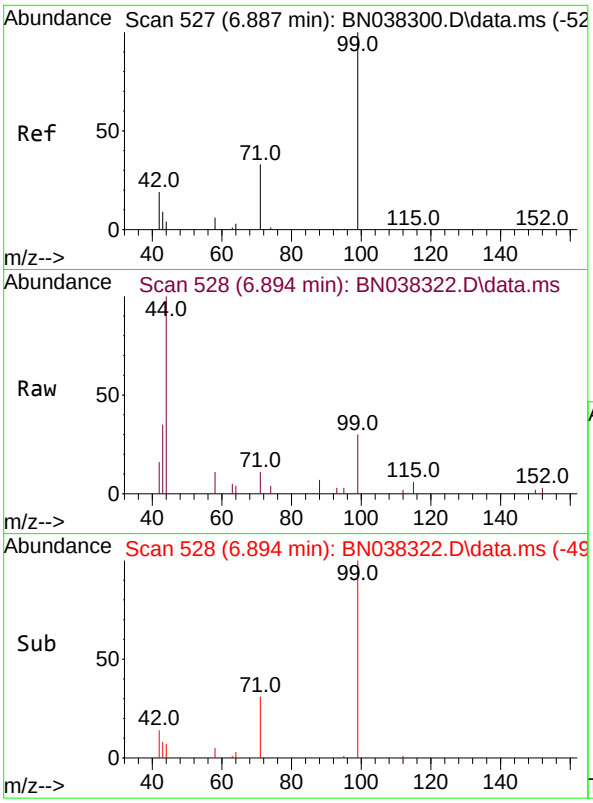


#4
2-Fluorophenol
Concen: 0.165 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Tgt Ion:112 Resp: 1990

Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.4	66.6
63	29.9	23.4	35.0



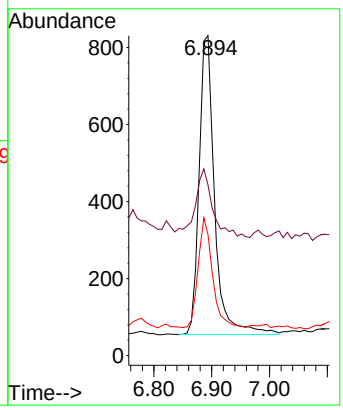


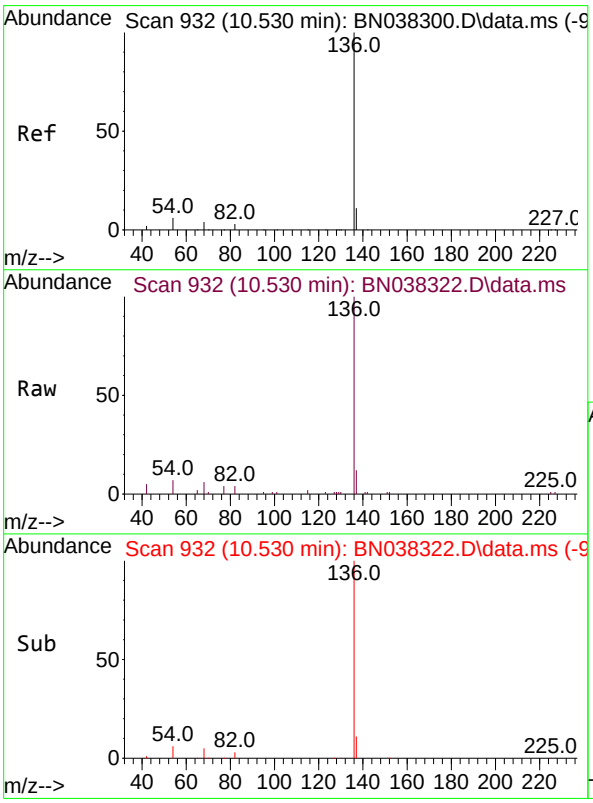
#5
Phenol-d6
Concen: 0.100 ng
RT: 6.894 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion: 99 Resp: 1437

Ion	Ratio	Lower	Upper
99	100		
42	25.0	16.5	24.7#
71	34.2	24.9	37.3

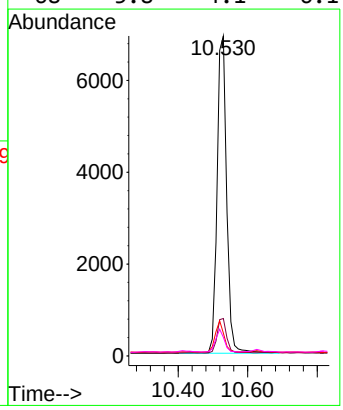


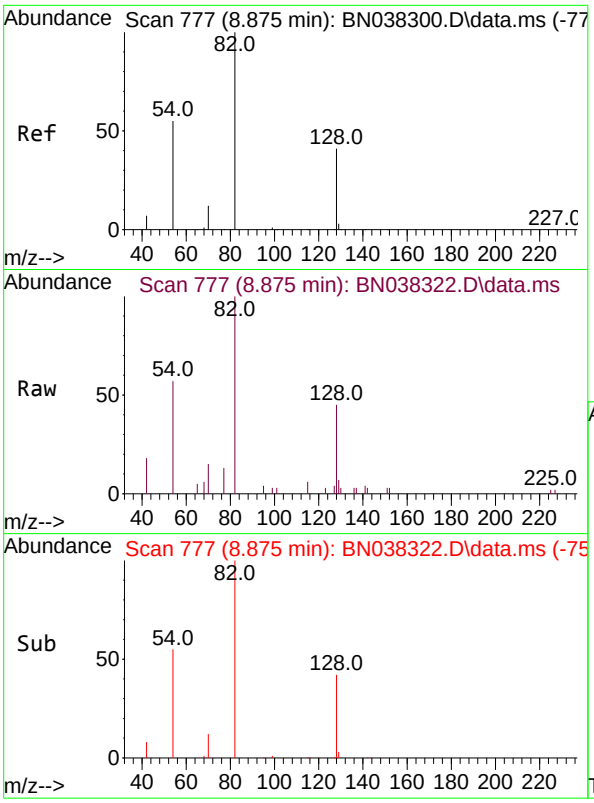


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. -0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Tgt Ion:136 Resp: 13267

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	7.1	5.2	7.8
68	5.8	4.1	6.1



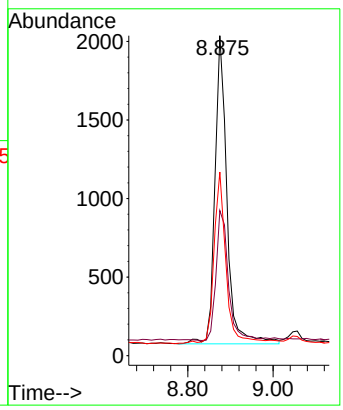


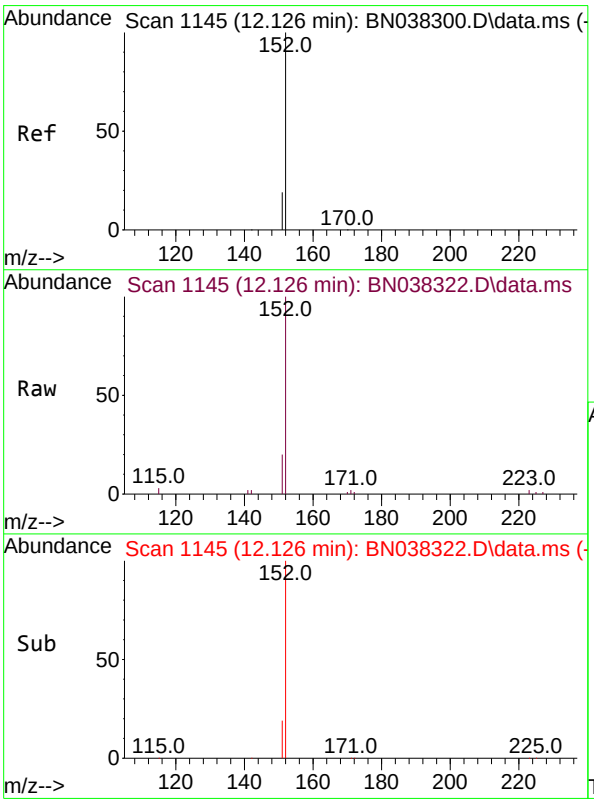
#8
Nitrobenzene-d5
Concen: 0.344 ng
RT: 8.875 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion: 82 Resp: 3853

Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.0	51.0
54	57.4	44.4	66.6

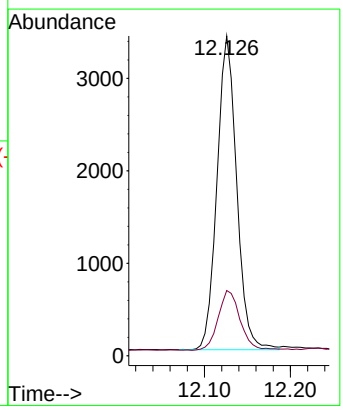


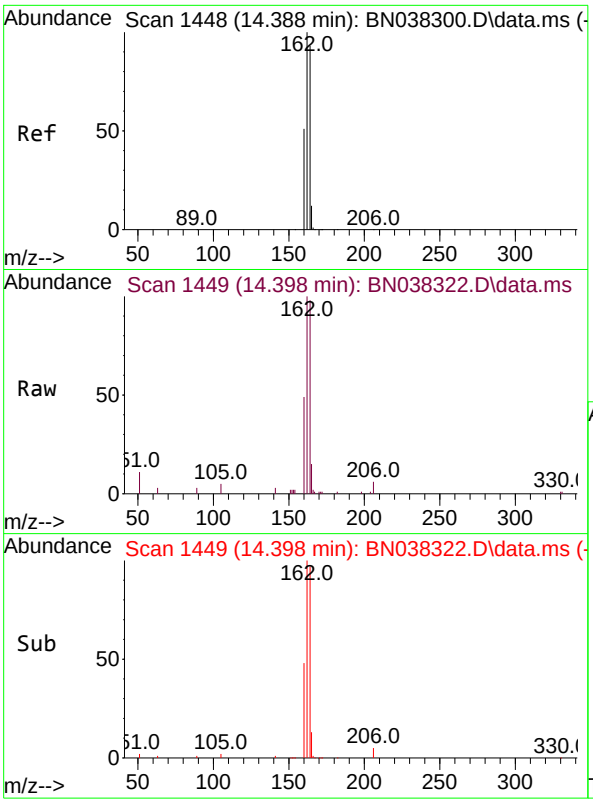


#11
2-Methylnaphthalene-d10
Concen: 0.288 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Tgt Ion:152 Resp: 5399

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.0	25.6



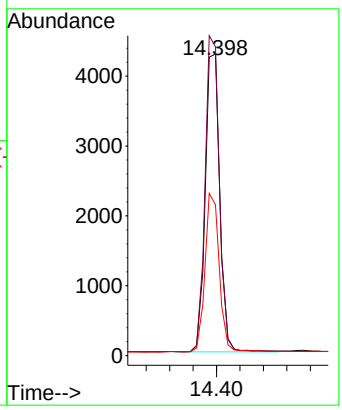


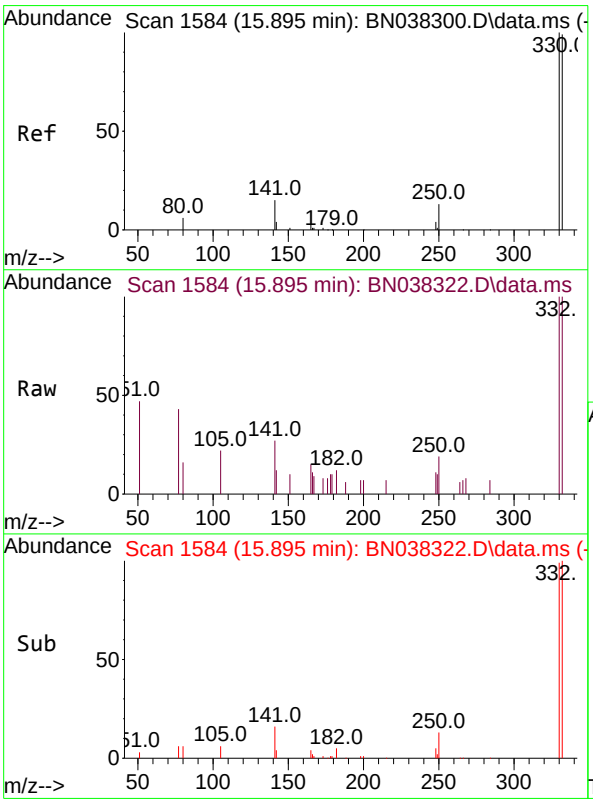
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion:164 Resp: 7308

Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.2	129.4
160	50.0	44.6	67.0

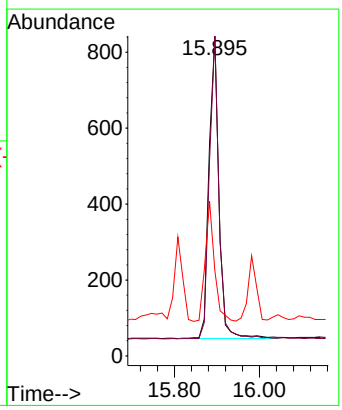


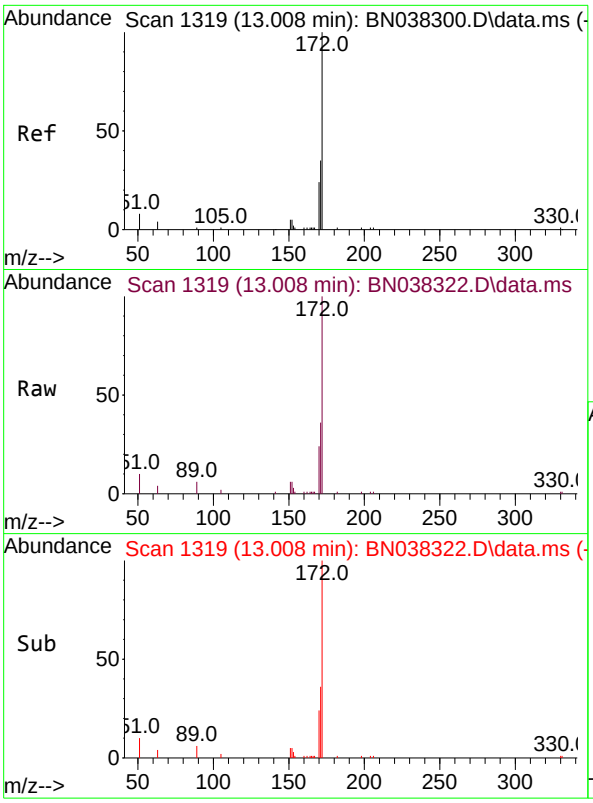


#14
2,4,6-Tribromophenol
Concen: 0.398 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Tgt Ion:330 Resp: 1289

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.8	113.6
141	36.9	31.8	47.8



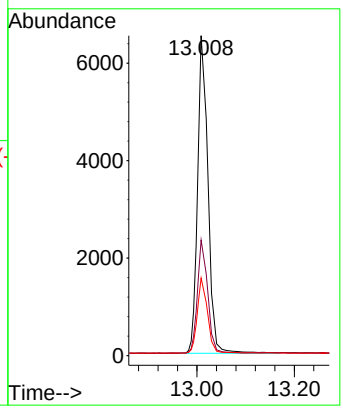


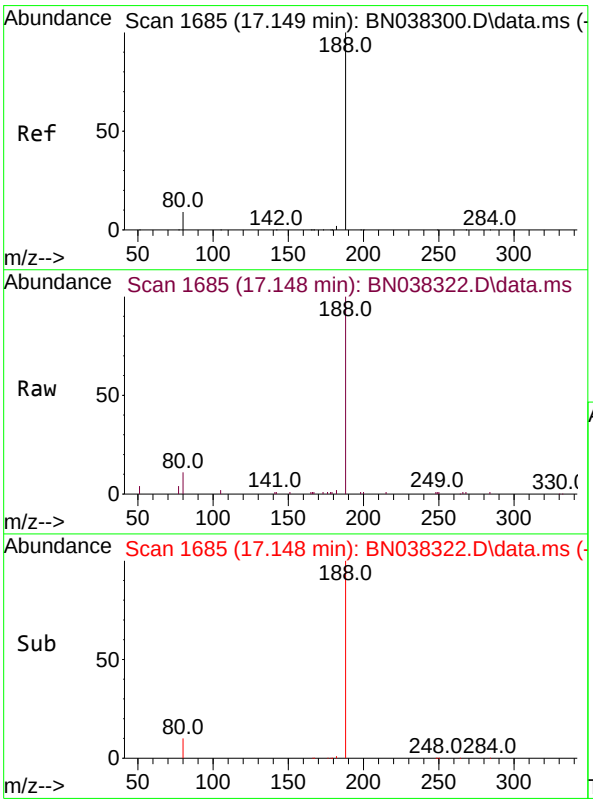
#15
2-Fluorobiphenyl
Concen: 0.304 ng
RT: 13.008 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion:172 Resp: 10705

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	42.8
170	24.2	19.3	28.9

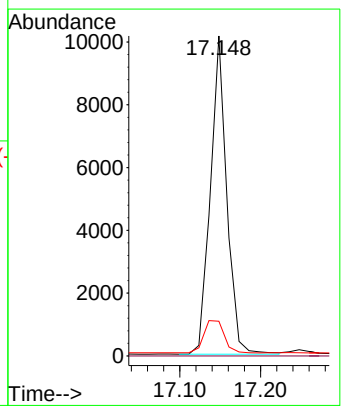


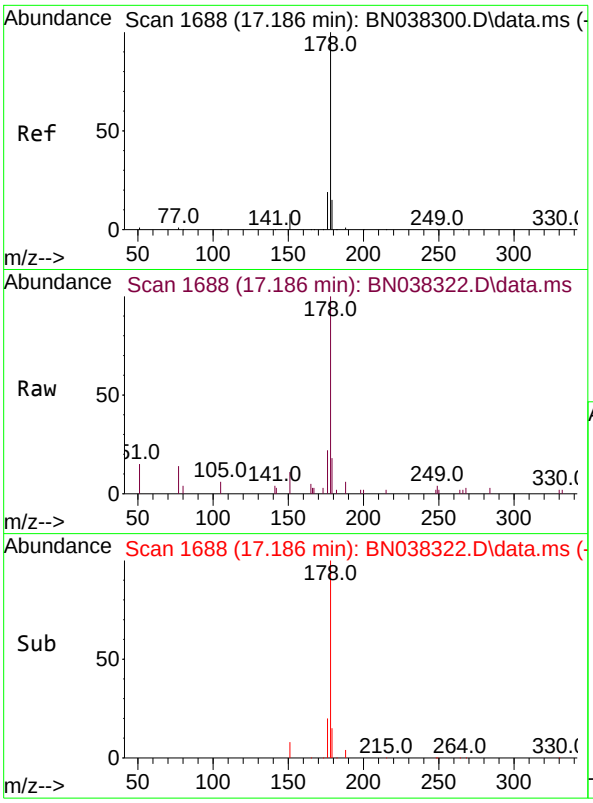


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Tgt Ion:188 Resp: 14315

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	7.4	11.0



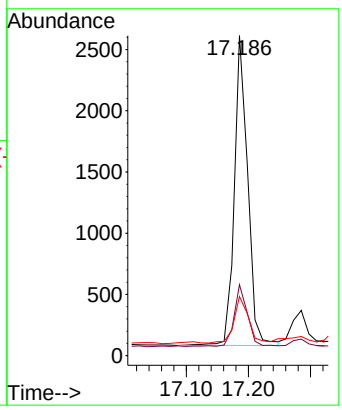


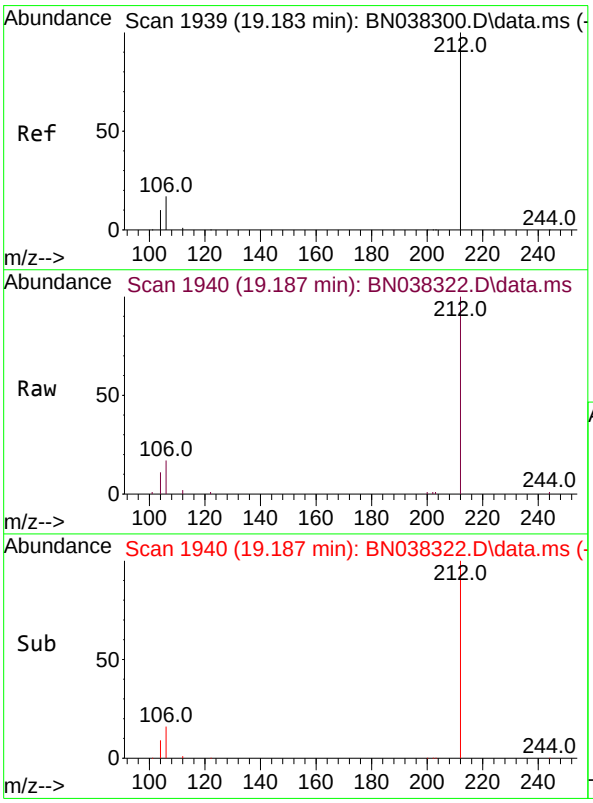
#25
Phenanthrene
Concen: 0.076 ng
RT: 17.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion:178 Resp: 3773

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.5	23.3
179	16.2	12.2	18.2

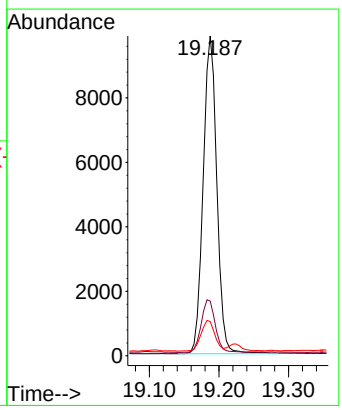


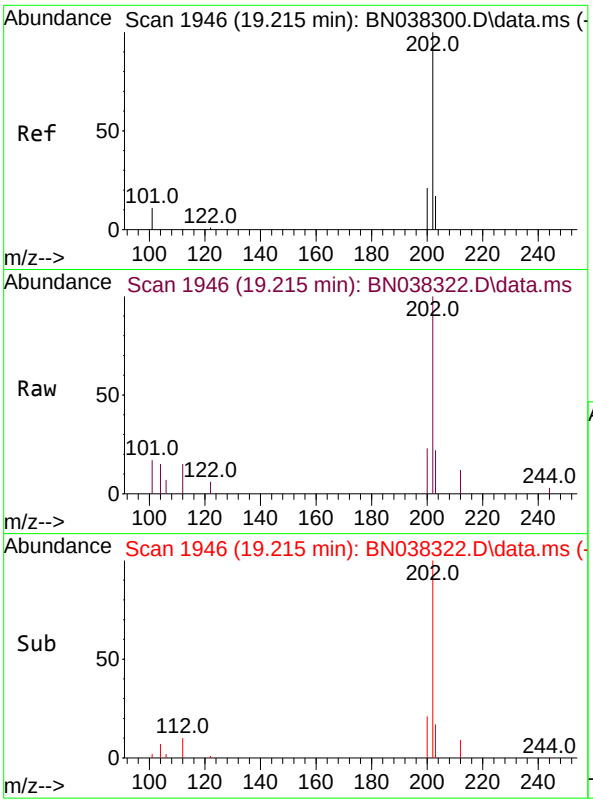


#27
Fluoranthene-d10
Concen: 0.380 ng
RT: 19.187 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Tgt Ion:212 Resp: 13443

Ion	Ratio	Lower	Upper
212	100		
106	16.9	13.7	20.5
104	9.7	7.8	11.8



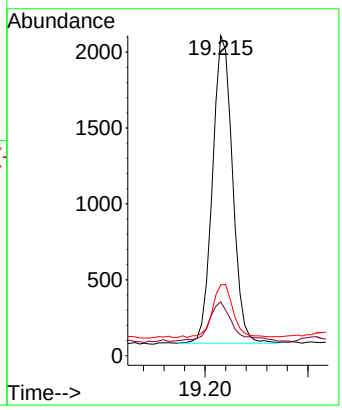


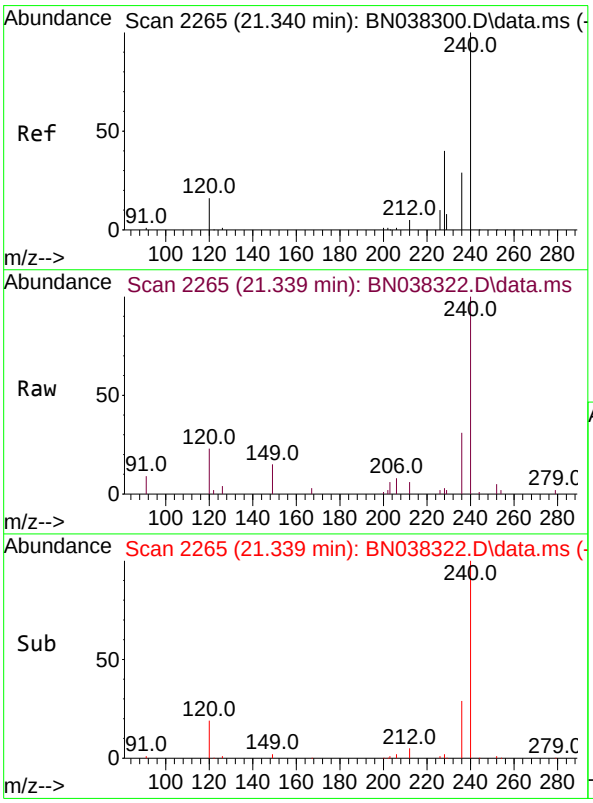
#28
Fluoranthene
Concen: 0.052 ng
RT: 19.215 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion:202 Resp: 2739

Ion	Ratio	Lower	Upper
202	100		
101	15.7	9.6	14.4#
203	17.9	13.5	20.3

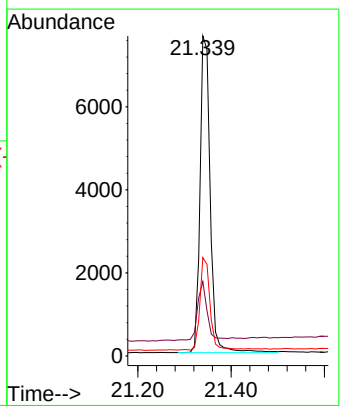


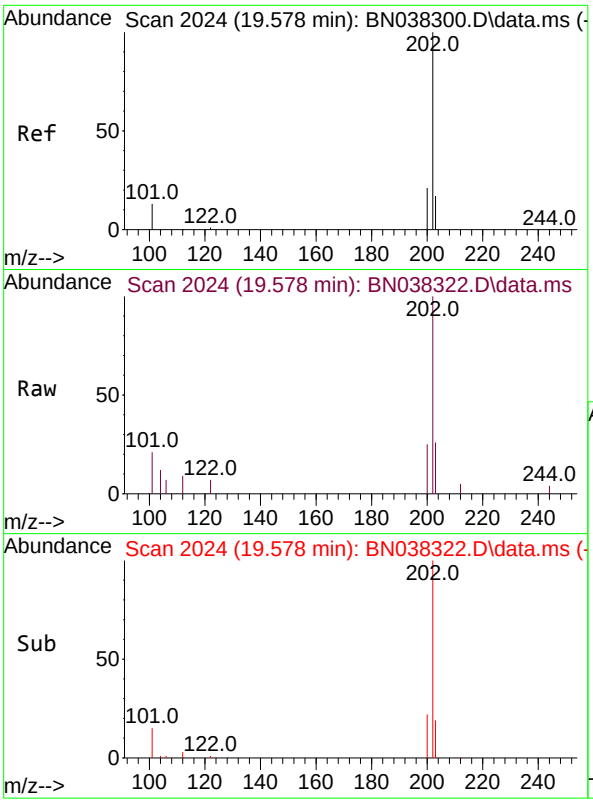


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.339 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Tgt Ion:240 Resp: 11515

Ion	Ratio	Lower	Upper
240	100		
120	23.2	15.4	23.2#
236	30.7	23.9	35.9



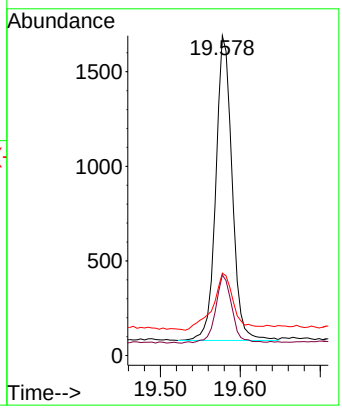


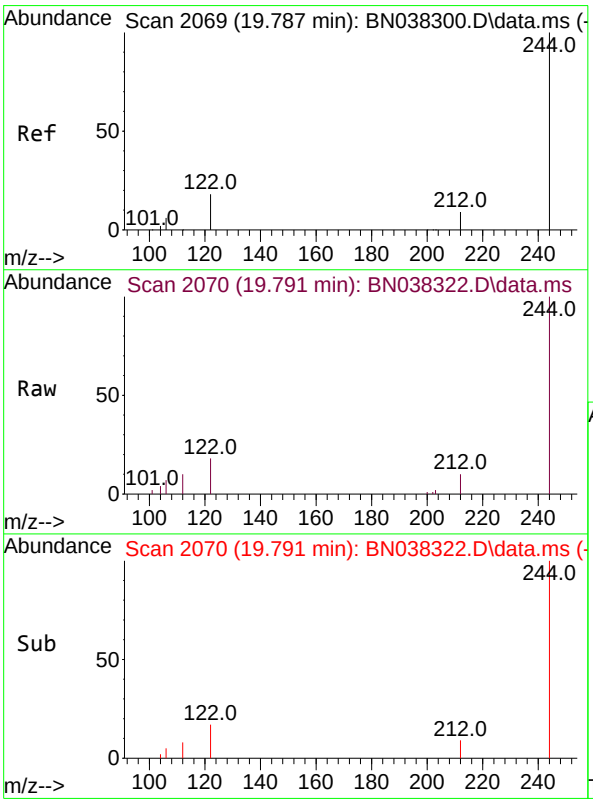
#30
Pyrene
Concen: 0.040 ng
RT: 19.578 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion:202 Resp: 2278

Ion	Ratio	Lower	Upper
202	100		
200	22.9	16.9	25.3
203	24.2	14.2	21.2#

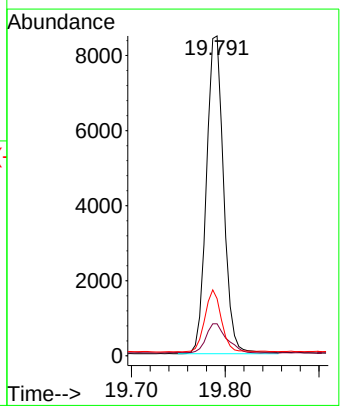


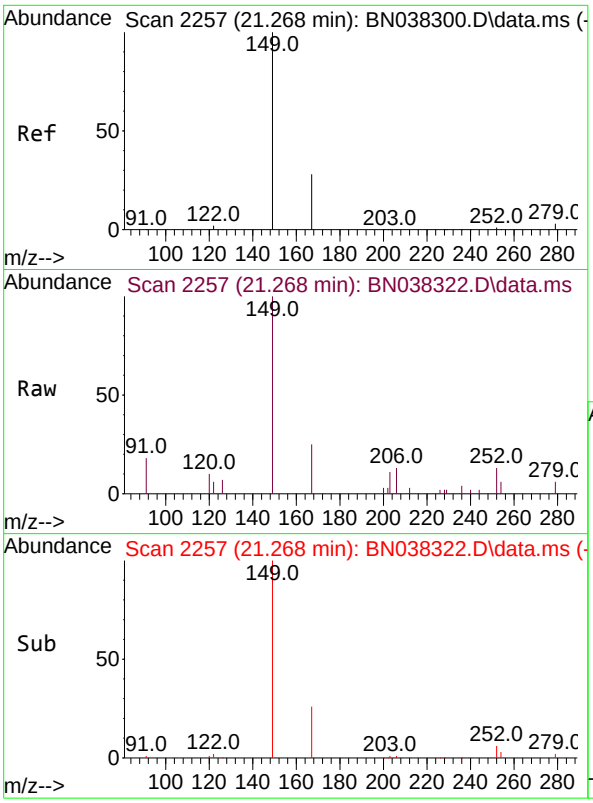


#31
Terphenyl-d14
Concen: 0.419 ng
RT: 19.791 min Scan# 2070
Delta R.T. -0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Tgt Ion:244 Resp: 10772

Ion	Ratio	Lower	Upper
244	100		
212	10.0	7.9	11.9
122	17.9	15.0	22.6



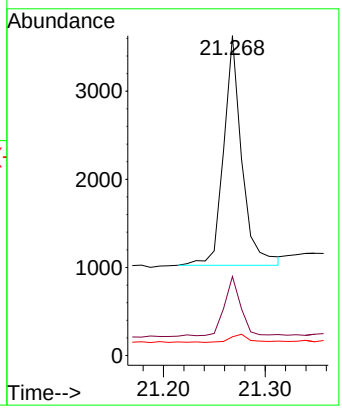


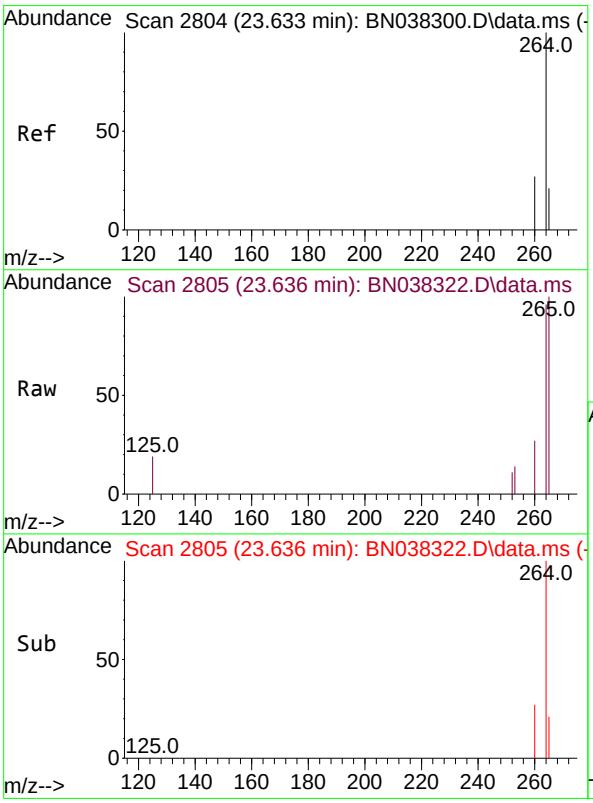
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.133 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425

Tgt Ion:149 Resp: 3254

Ion	Ratio	Lower	Upper
149	100		
167	24.1	21.4	32.0
279	4.2	2.4	3.6#

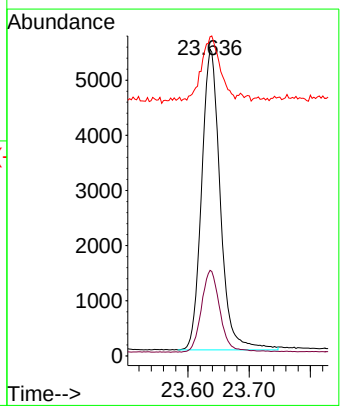




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.636 min Scan# 2805
Delta R.T. 0.003 min
Lab File: BN038322.D
Acq: 11 Dec 2025 17:52

Tgt Ion:264 Resp: 11572

Ion	Ratio	Lower	Upper
264	100		
260	27.9	22.2	33.2
265	104.1	80.2	120.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038323.D
Acq On : 11 Dec 2025 18:28
Operator : RC/JU
Sample : Q3787-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425-FD

Quant Time: Dec 12 00:10:13 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

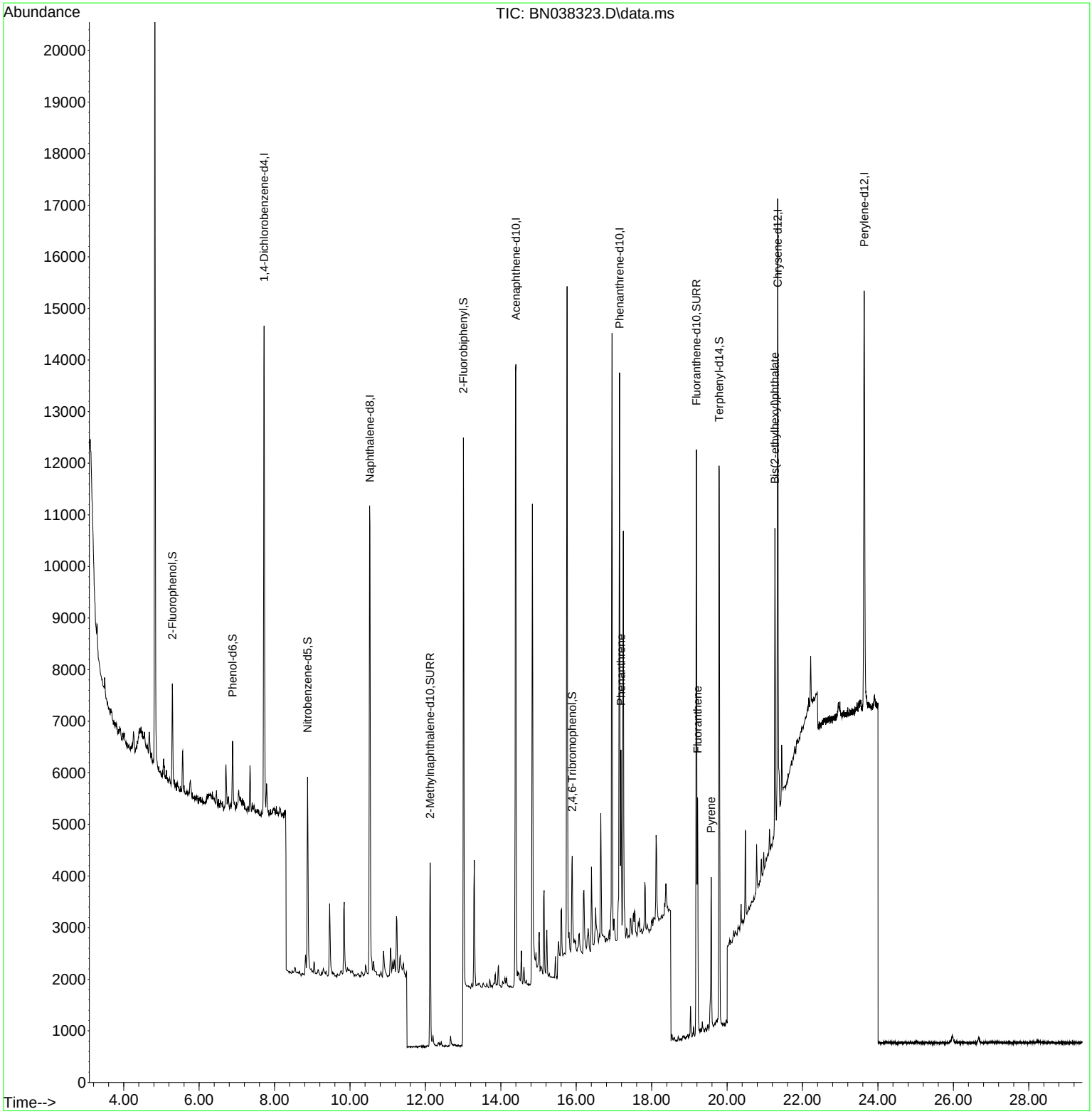
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.724	152	4745	0.400	ng		0.00
7) Naphthalene-d8	10.530	136	13148	0.400	ng		0.00
13) Acenaphthene-d10	14.398	164	7382	0.400	ng		0.00
19) Phenanthrene-d10	17.148	188	14306	0.400	ng		0.00
29) Chrysene-d12	21.339	240	10994	0.400	ng	#	0.00
35) Perylene-d12	23.636	264	11102	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.290	112	1662	0.141	ng		0.00
5) Phenol-d6	6.886	99	1197	0.085	ng		0.00
8) Nitrobenzene-d5	8.875	82	3391	0.306	ng		0.00
11) 2-Methylnaphthalene-d10	12.126	152	5047	0.272	ng		0.00
14) 2,4,6-Tribromophenol	15.895	330	1190	0.363	ng		0.00
15) 2-Fluorobiphenyl	13.008	172	9477	0.266	ng		0.00
27) Fluoranthene-d10	19.187	212	12514	0.354	ng		0.00
31) Terphenyl-d14	19.787	244	9789	0.399	ng		0.00
Target Compounds							Qvalue
25) Phenanthrene	17.186	178	3713	0.075	ng		97
28) Fluoranthene	19.215	202	3165	0.060	ng		95
30) Pyrene	19.578	202	2640	0.049	ng	#	94
34) Bis(2-ethylhexyl)phtha...	21.268	149	5555	0.238	ng		93

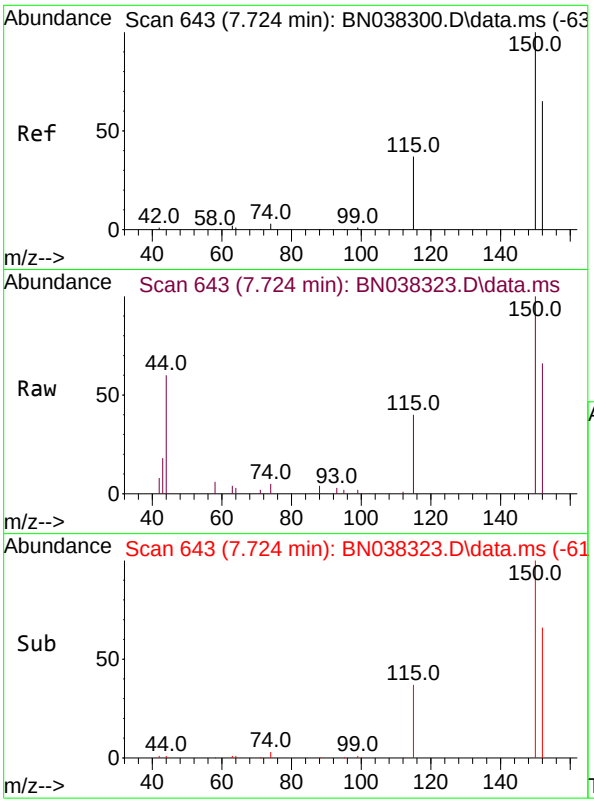
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038323.D
Acq On : 11 Dec 2025 18:28
Operator : RC/JU
Sample : Q3787-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425-FD

Quant Time: Dec 12 00:10:13 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



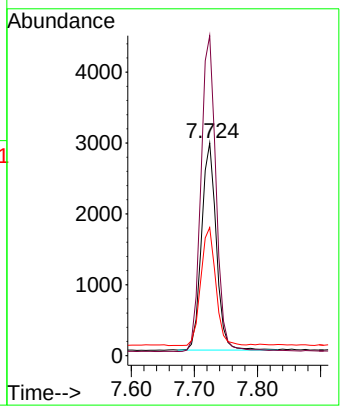


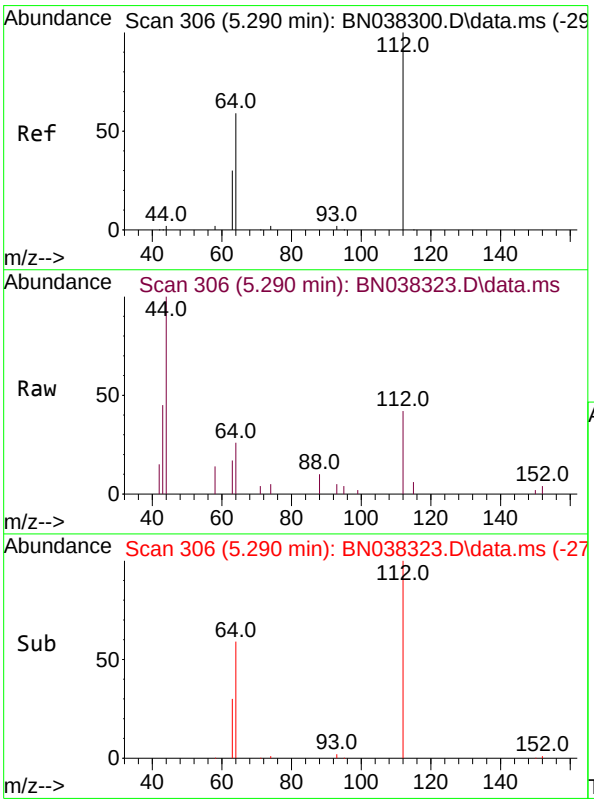
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion:152 Resp: 4745

Ion	Ratio	Lower	Upper
152	100		
150	150.6	122.4	183.6
115	60.3	47.3	70.9

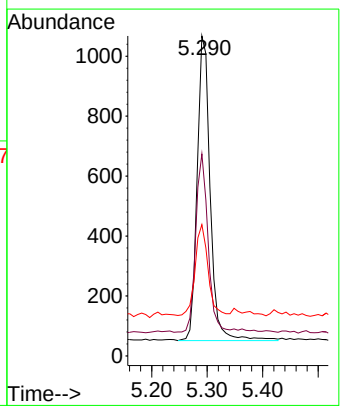


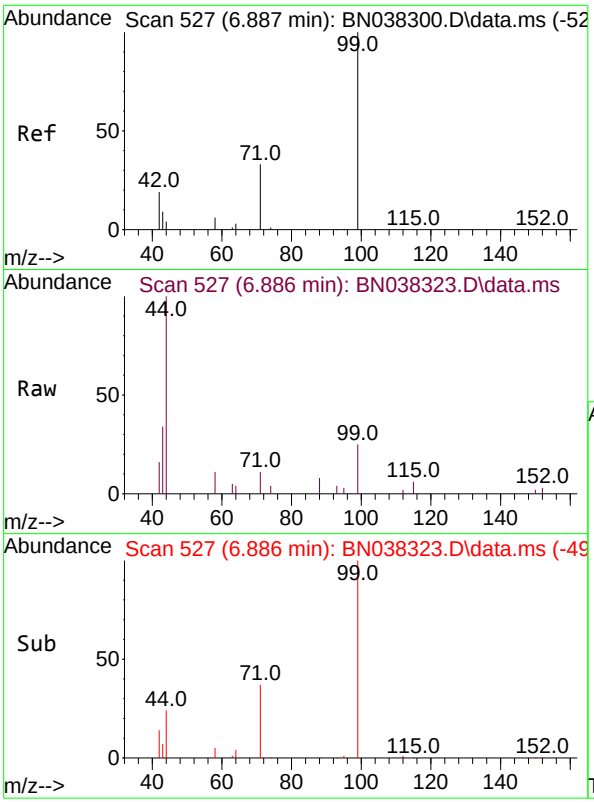


#4
2-Fluorophenol
Concen: 0.141 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Tgt Ion:112 Resp: 1662

Ion	Ratio	Lower	Upper
112	100		
64	55.0	44.4	66.6
63	29.7	23.4	35.0



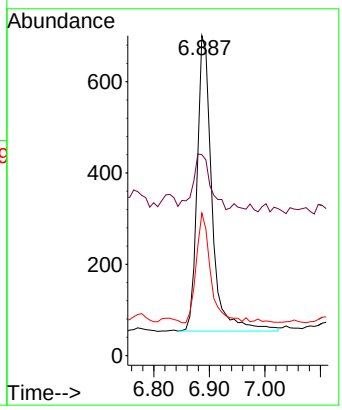


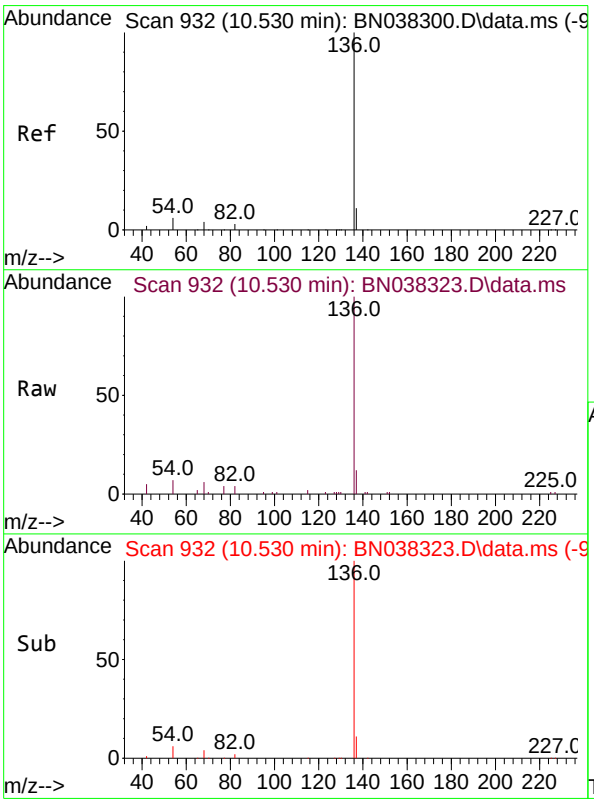
#5
Phenol-d6
Concen: 0.085 ng
RT: 6.886 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion: 99 Resp: 1197

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.5	24.7
71	36.5	24.9	37.3

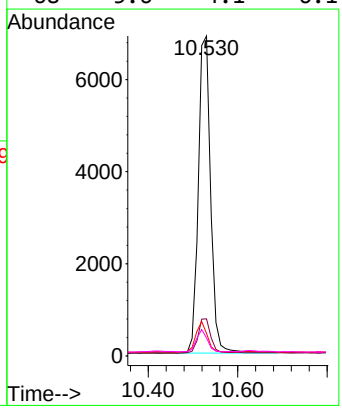


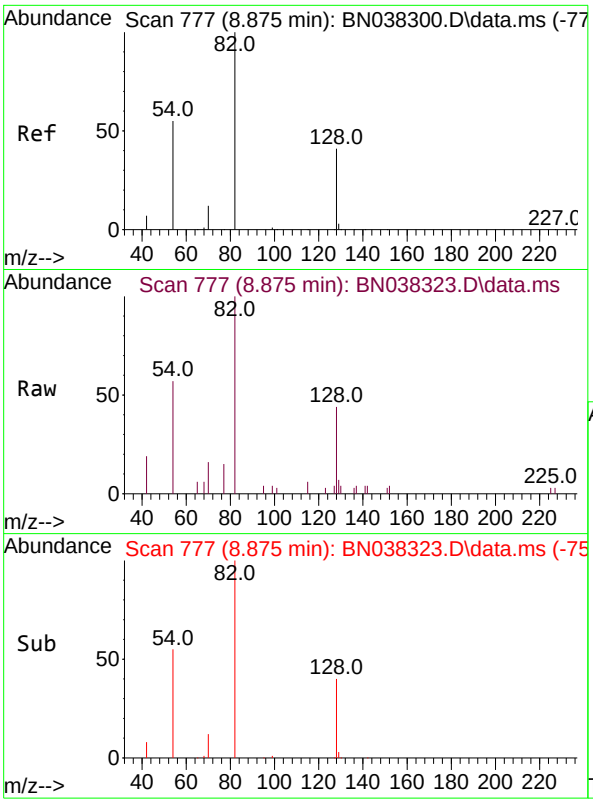


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. -0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Tgt Ion:136 Resp: 13148

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	7.1	5.2	7.8
68	5.6	4.1	6.1



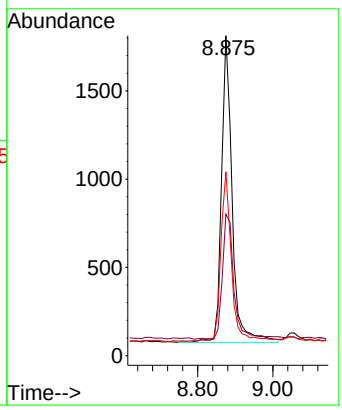


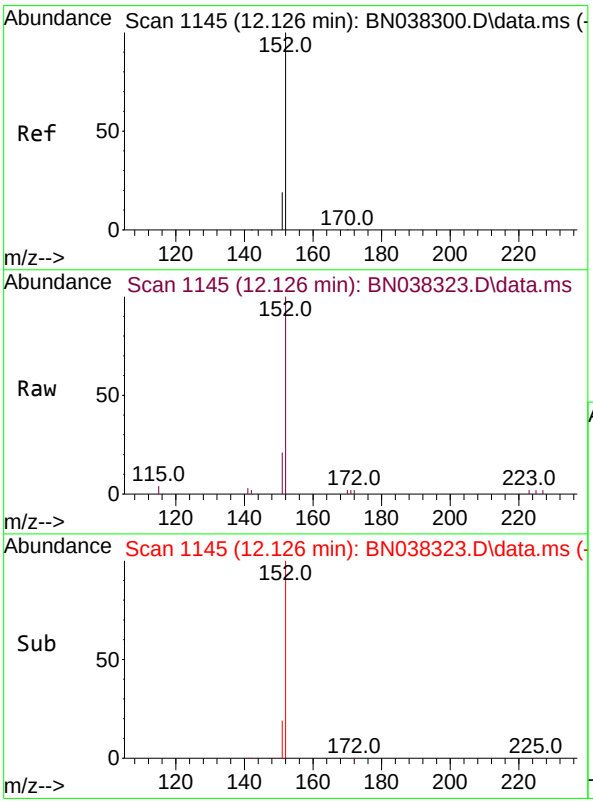
#8
Nitrobenzene-d5
Concen: 0.306 ng
RT: 8.875 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion: 82 Resp: 3391

Ion	Ratio	Lower	Upper
82	100		
128	44.2	34.0	51.0
54	57.4	44.4	66.6

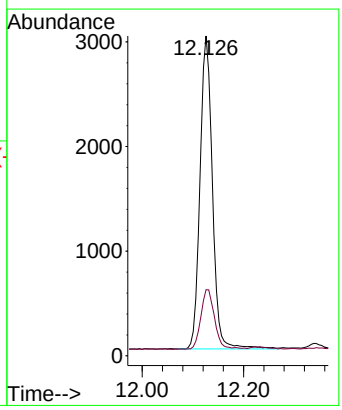


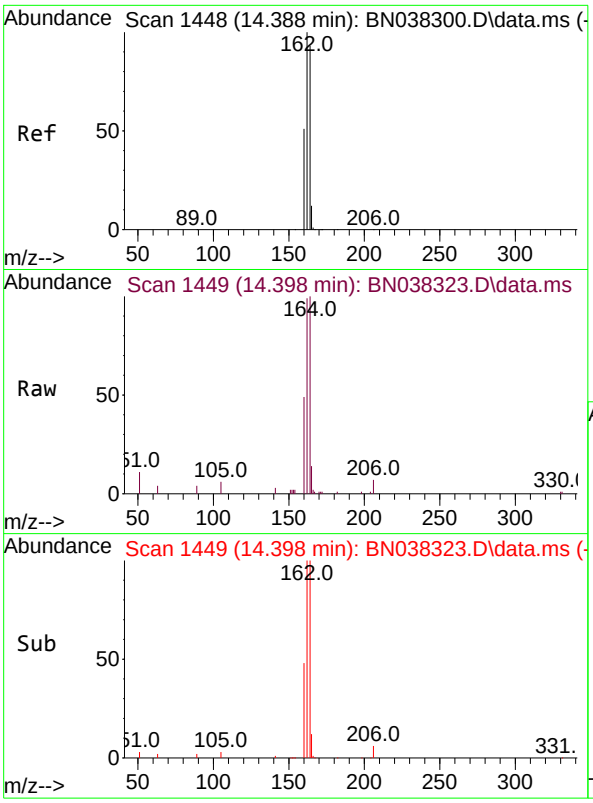


#11
2-Methylnaphthalene-d10
Concen: 0.272 ng
RT: 12.126 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Tgt Ion:152 Resp: 5047

Ion	Ratio	Lower	Upper
152	100		
151	20.9	17.0	25.6



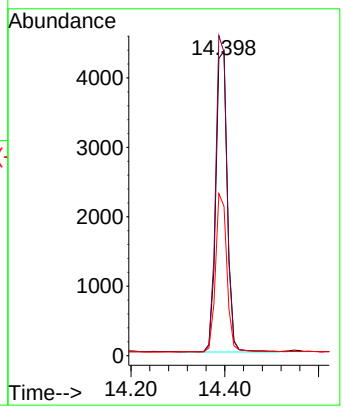


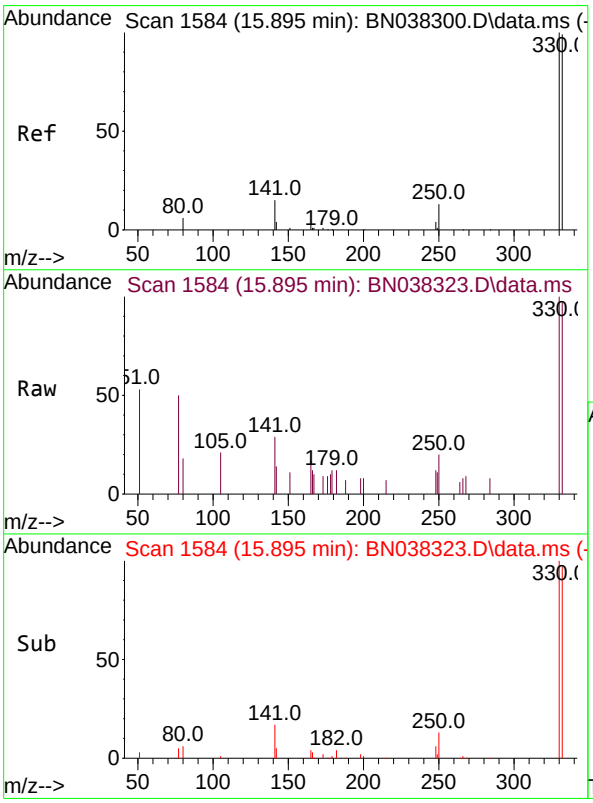
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion:164 Resp: 7382

Ion	Ratio	Lower	Upper
164	100		
162	99.5	86.2	129.4
160	49.0	44.6	67.0

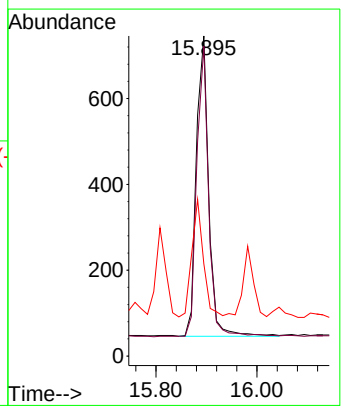


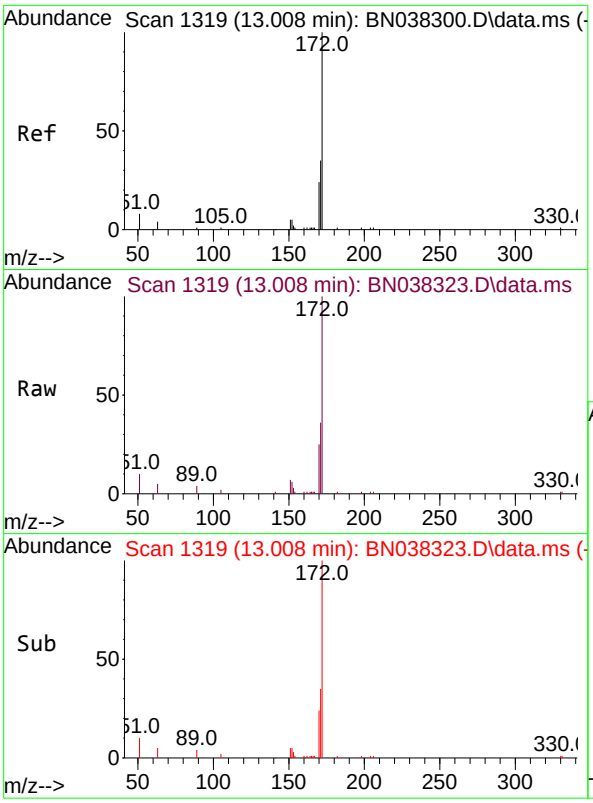


#14
2,4,6-Tribromophenol
Concen: 0.363 ng
RT: 15.895 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Tgt Ion:330 Resp: 1190

Ion	Ratio	Lower	Upper
330	100		
332	91.8	75.8	113.6
141	36.5	31.8	47.8



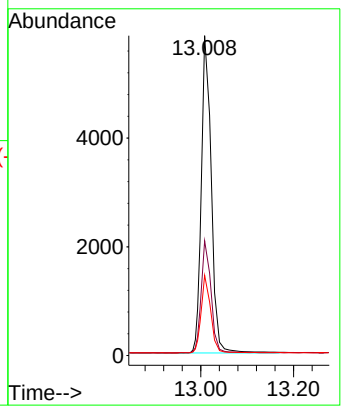


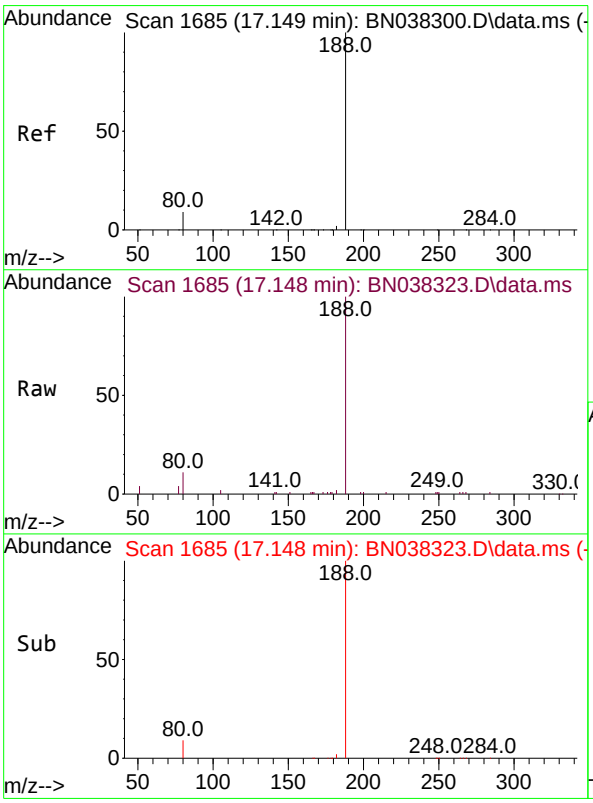
#15
2-Fluorobiphenyl
Concen: 0.266 ng
RT: 13.008 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion:172 Resp: 9477

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	42.8
170	25.1	19.3	28.9

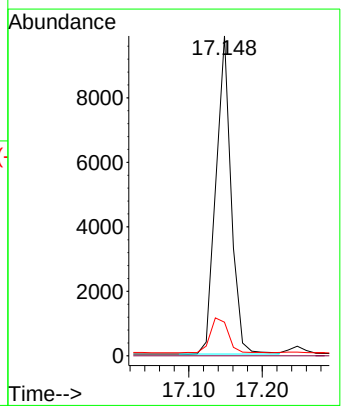


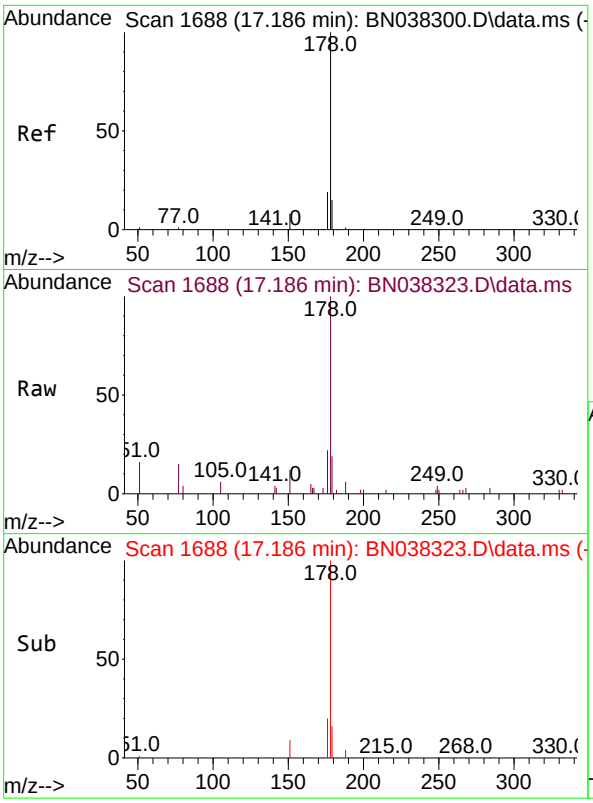


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Tgt Ion:188 Resp: 14306

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	7.4	11.0



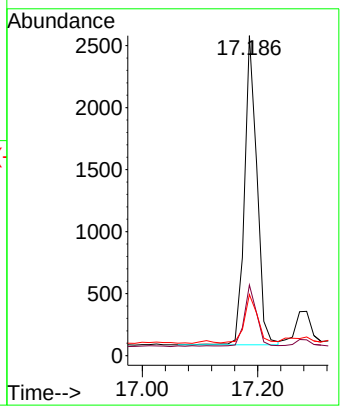


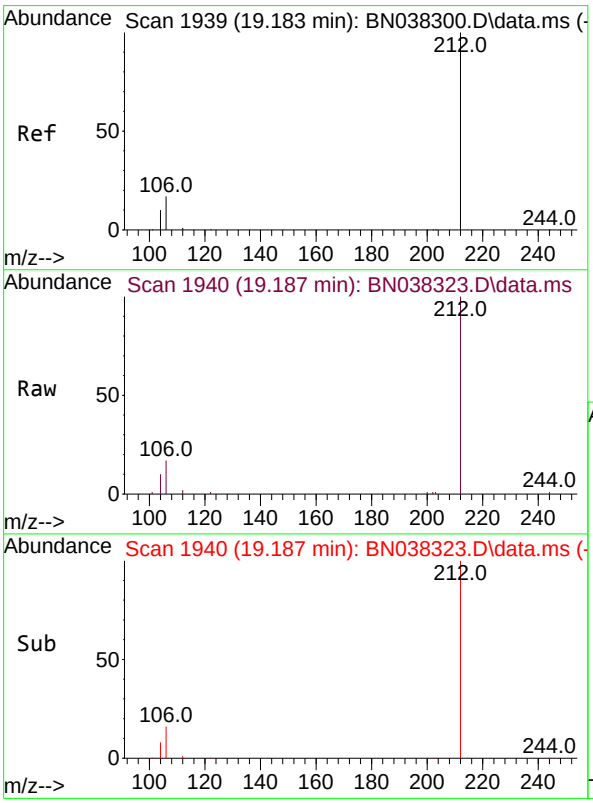
#25
Phenanthrene
Concen: 0.075 ng
RT: 17.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion:178 Resp: 3713

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.5	23.3
179	16.4	12.2	18.2

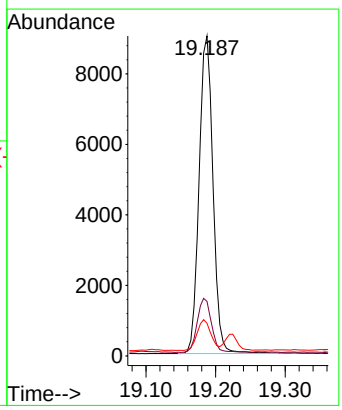


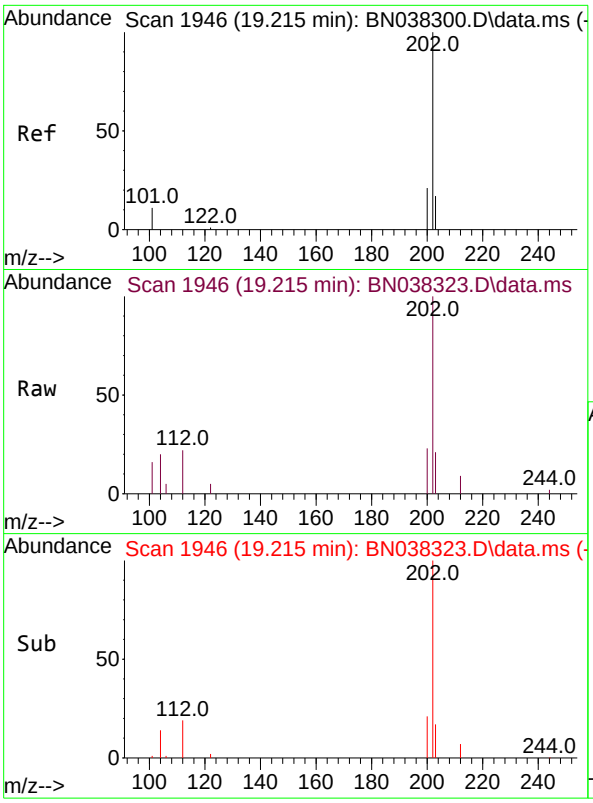


#27
Fluoranthene-d10
Concen: 0.354 ng
RT: 19.187 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Tgt Ion:212 Resp: 12514

Ion	Ratio	Lower	Upper
212	100		
106	17.5	13.7	20.5
104	9.6	7.8	11.8



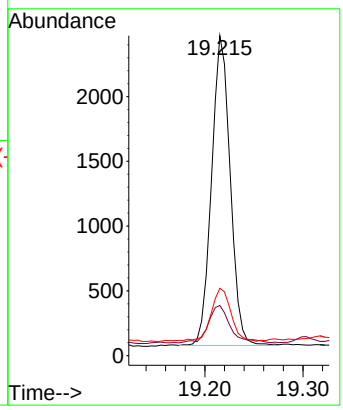


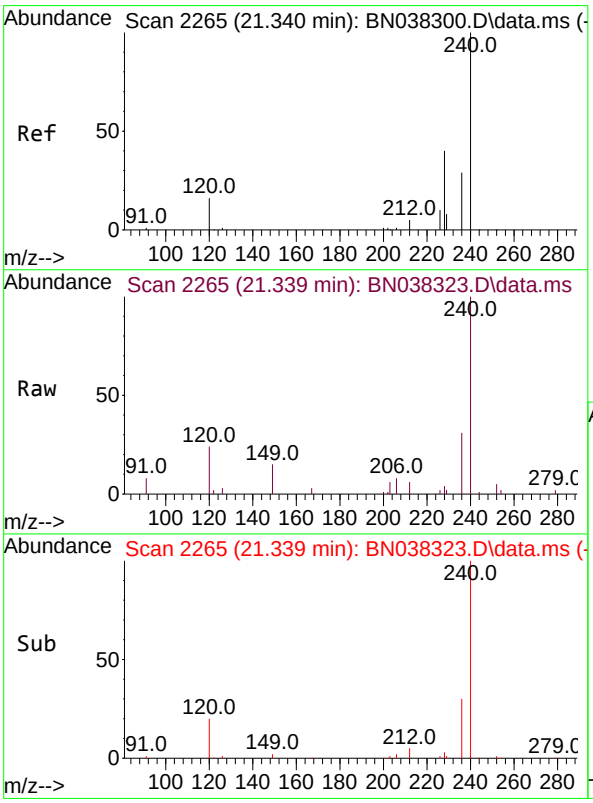
#28
Fluoranthene
Concen: 0.060 ng
RT: 19.215 min Scan# 19
Delta R.T. -0.005 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion:202 Resp: 3165

Ion	Ratio	Lower	Upper
202	100		
101	14.1	9.6	14.4
203	18.6	13.5	20.3

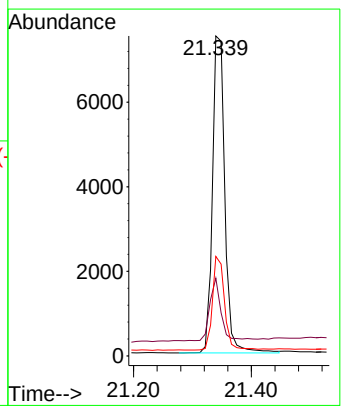


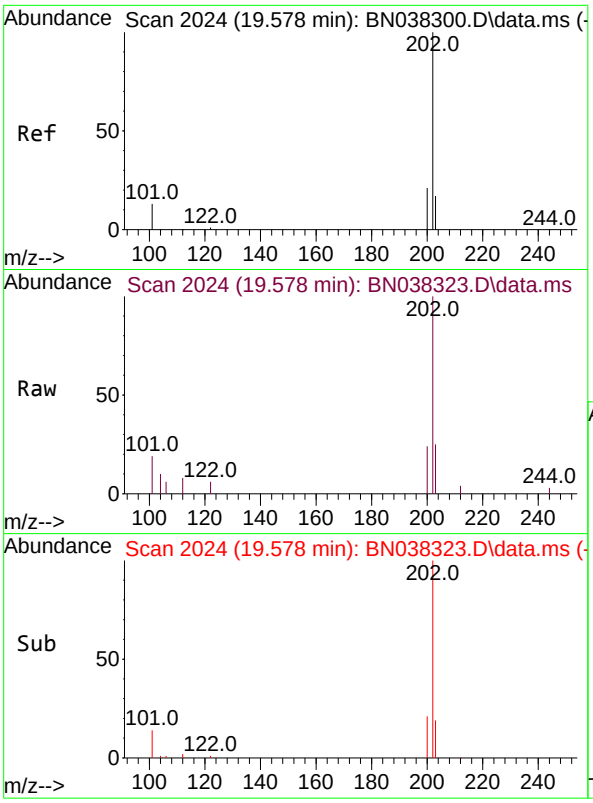


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.339 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Tgt Ion:240 Resp: 10994

Ion	Ratio	Lower	Upper
240	100		
120	24.3	15.4	23.2#
236	31.1	23.9	35.9



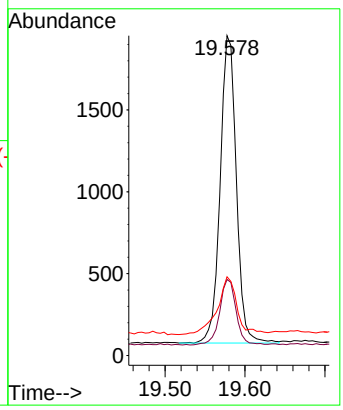


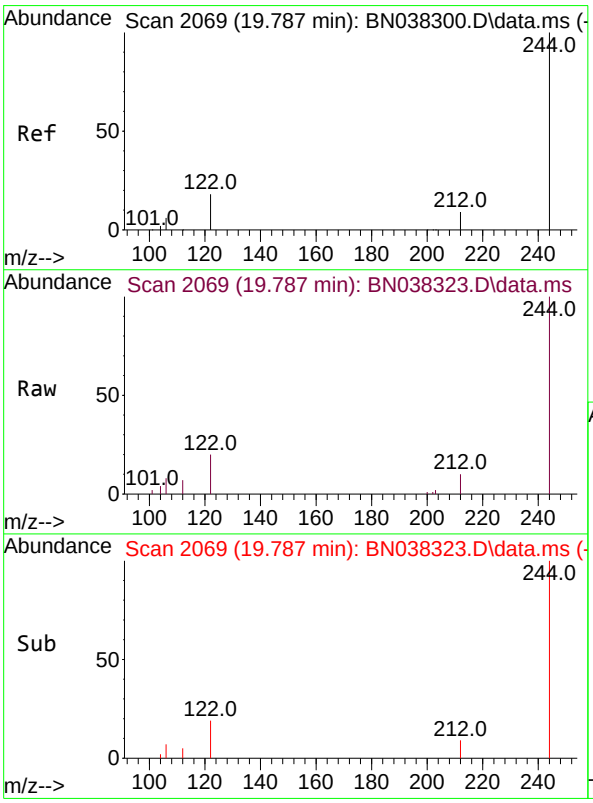
#30
Pyrene
Concen: 0.049 ng
RT: 19.578 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion:202 Resp: 2640

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.9	25.3
203	23.1	14.2	21.2#

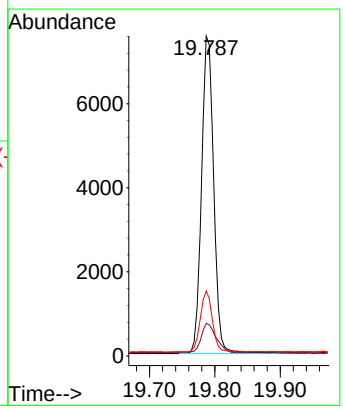


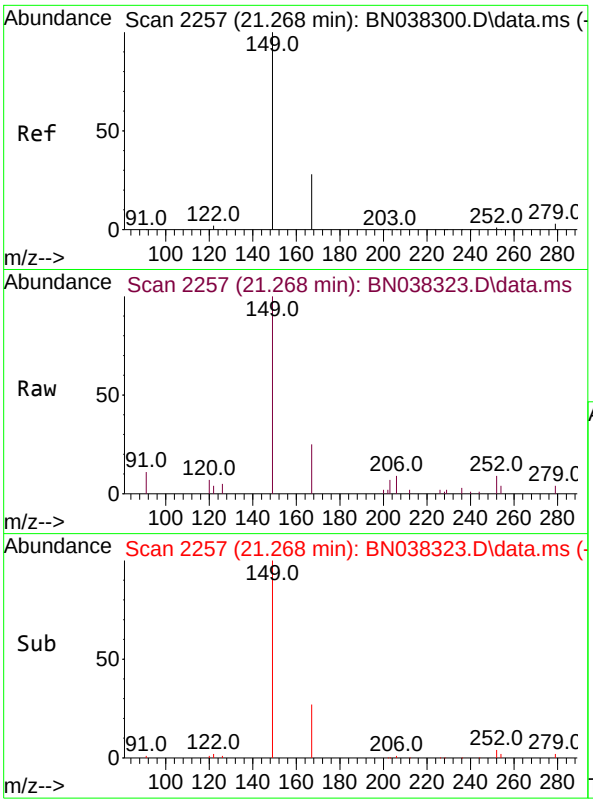


#31
Terphenyl-d14
Concen: 0.399 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Tgt Ion:244 Resp: 9789

Ion	Ratio	Lower	Upper
244	100		
212	10.2	7.9	11.9
122	20.3	15.0	22.6



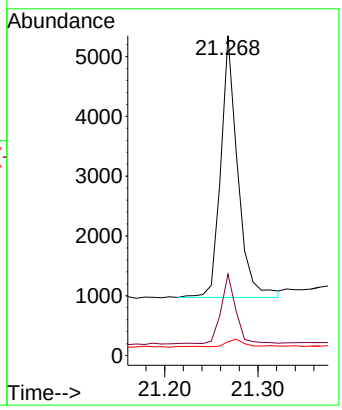


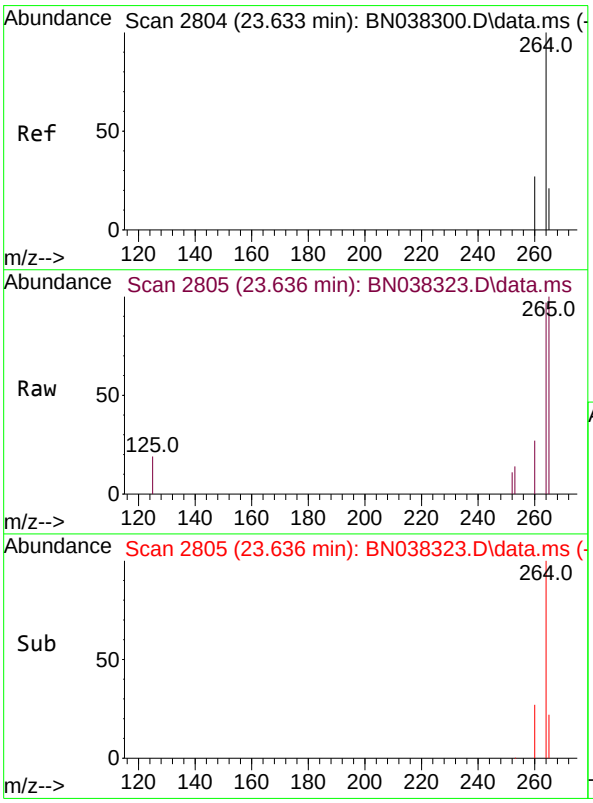
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.238 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-120425-FD

Tgt Ion:149 Resp: 5555

Ion	Ratio	Lower	Upper
149	100		
167	22.7	21.4	32.0
279	2.8	2.4	3.6

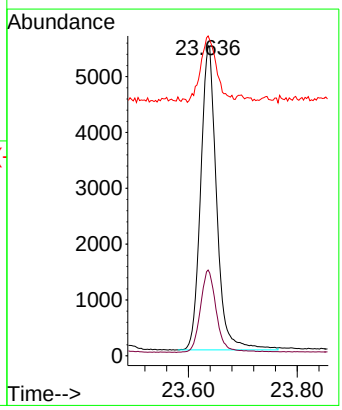




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.636 min Scan# 2805
Delta R.T. 0.003 min
Lab File: BN038323.D
Acq: 11 Dec 2025 18:28

Tgt Ion:264 Resp: 11102

Ion	Ratio	Lower	Upper
264	100		
260	27.7	22.2	33.2
265	103.2	80.2	120.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038324.D
Acq On : 11 Dec 2025 19:04
Operator : RC/JU
Sample : Q3787-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-02B-21.2-120425

Quant Time: Dec 12 00:10:31 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

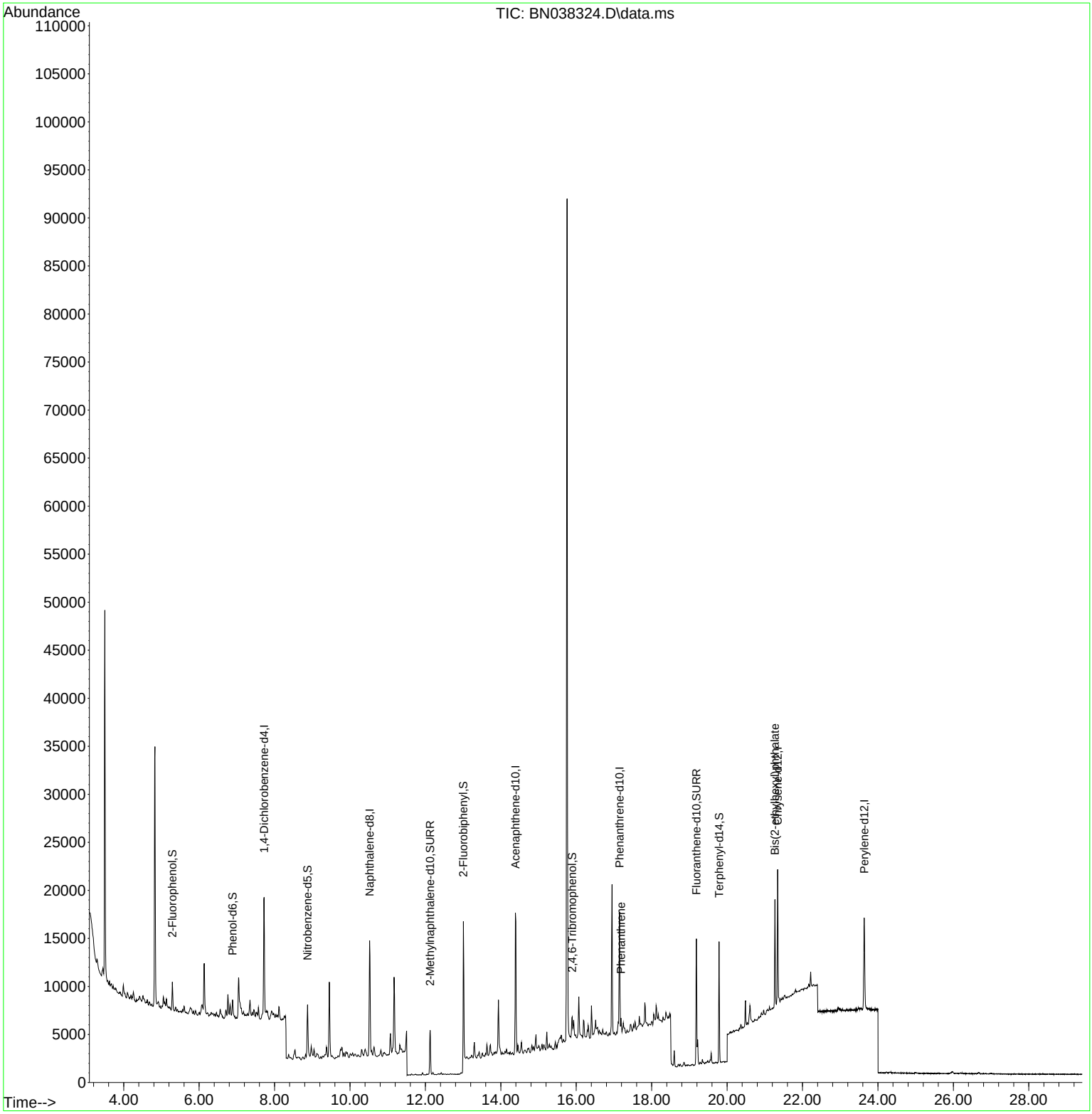
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5836	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	16262	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	8730	0.400	ng	-0.01
19) Phenanthrene-d10	17.148	188	16136	0.400	ng	# 0.00
29) Chrysene-d12	21.340	240	12618	0.400	ng	# 0.00
35) Perylene-d12	23.636	264	12629	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	2280	0.157	ng	0.00
5) Phenol-d6	6.887	99	1659	0.096	ng	0.00
8) Nitrobenzene-d5	8.875	82	4455	0.325	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	6374	0.278	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	1387	0.358	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	12350	0.294	ng	0.00
27) Fluoranthene-d10	19.187	212	14020	0.351	ng	0.00
31) Terphenyl-d14	19.787	244	10814	0.384	ng	0.00
Target Compounds						Qvalue
25) Phenanthrene	17.186	178	1545	0.028	ng	93
34) Bis(2-ethylhexyl)phtha...	21.268	149	10286	0.385	ng	96

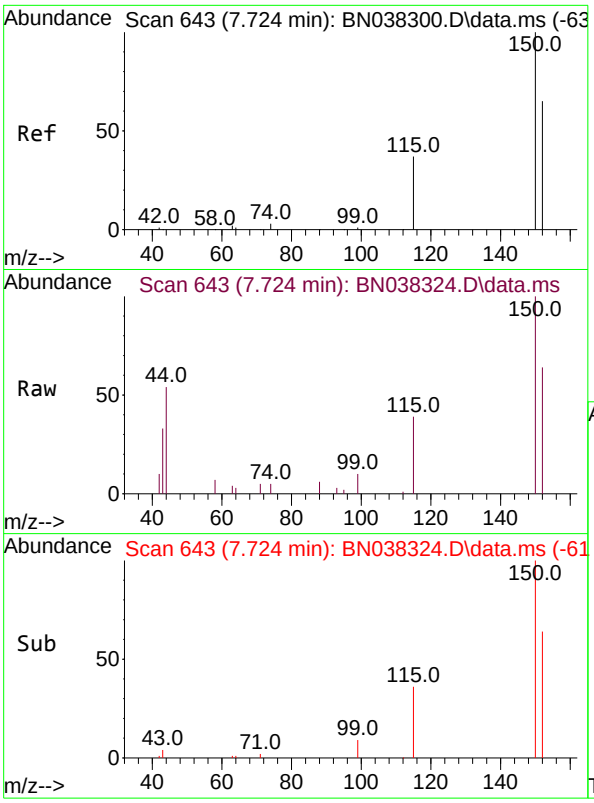
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038324.D
Acq On : 11 Dec 2025 19:04
Operator : RC/JU
Sample : Q3787-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-02B-21.2-120425

Quant Time: Dec 12 00:10:31 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



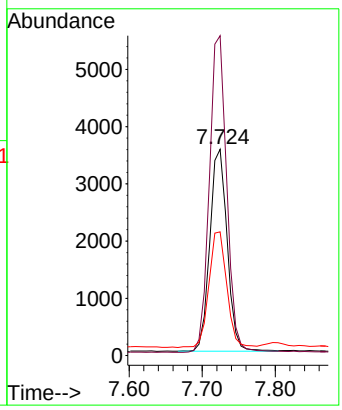


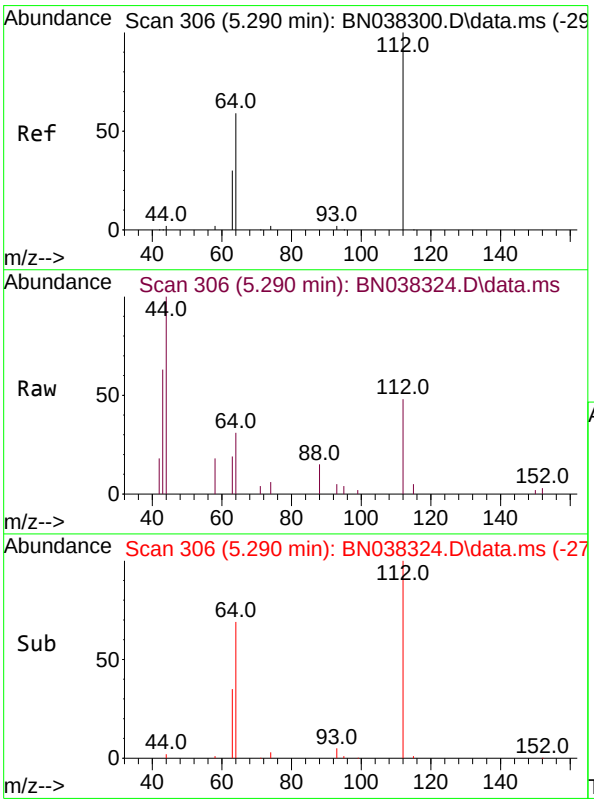
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Instrument :
BNA_N
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion:152 Resp: 5836

Ion	Ratio	Lower	Upper
152	100		
150	155.0	122.4	183.6
115	60.0	47.3	70.9

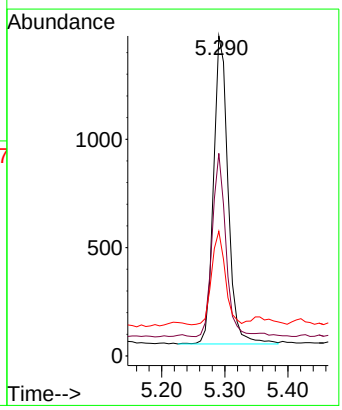


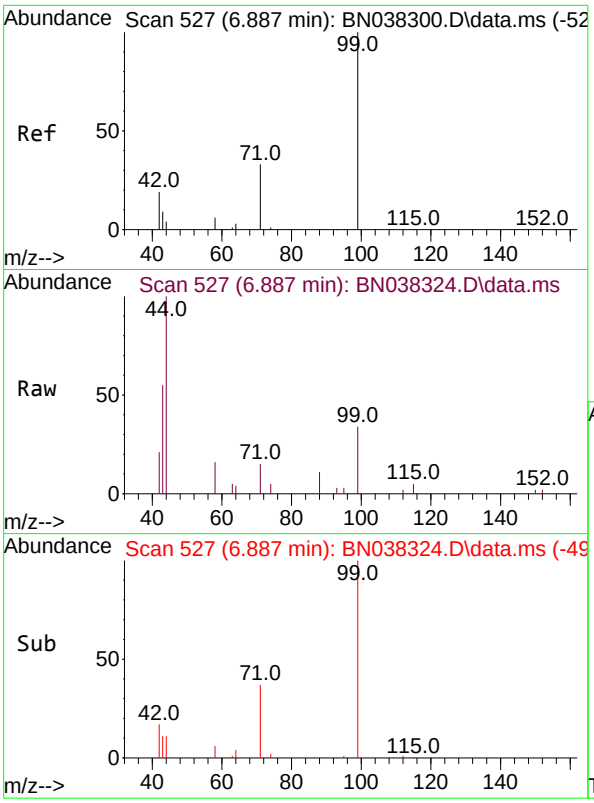


#4
2-Fluorophenol
Concen: 0.157 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Tgt Ion:112 Resp: 2280

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.4	66.6
63	29.4	23.4	35.0



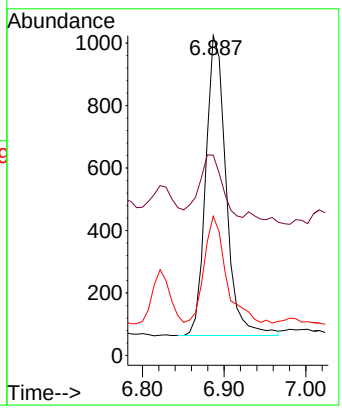


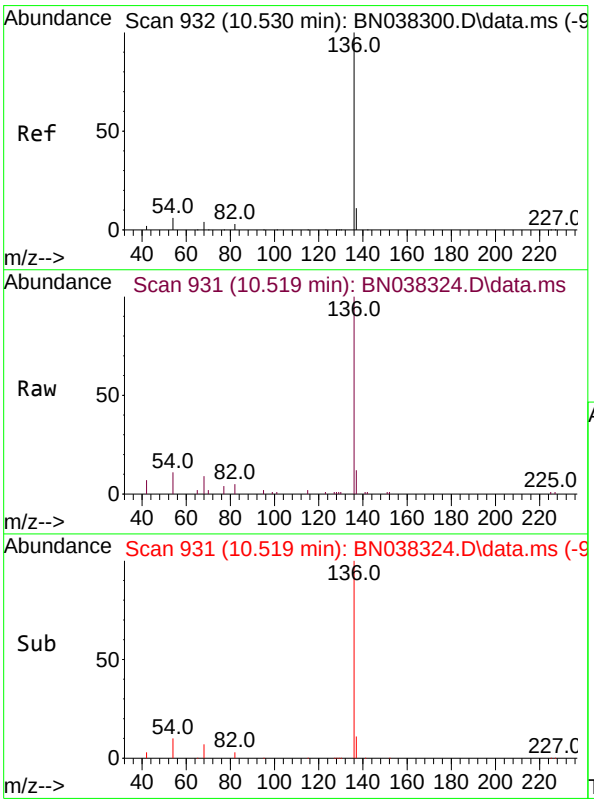
#5
Phenol-d6
Concen: 0.096 ng
RT: 6.887 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Instrument :
BNA_N
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion: 99 Resp: 1659

Ion	Ratio	Lower	Upper
99	100		
42	22.8	16.5	24.7
71	41.2	24.9	37.3#

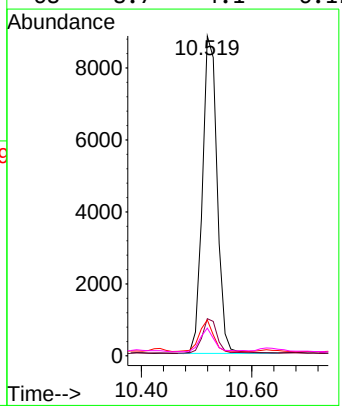


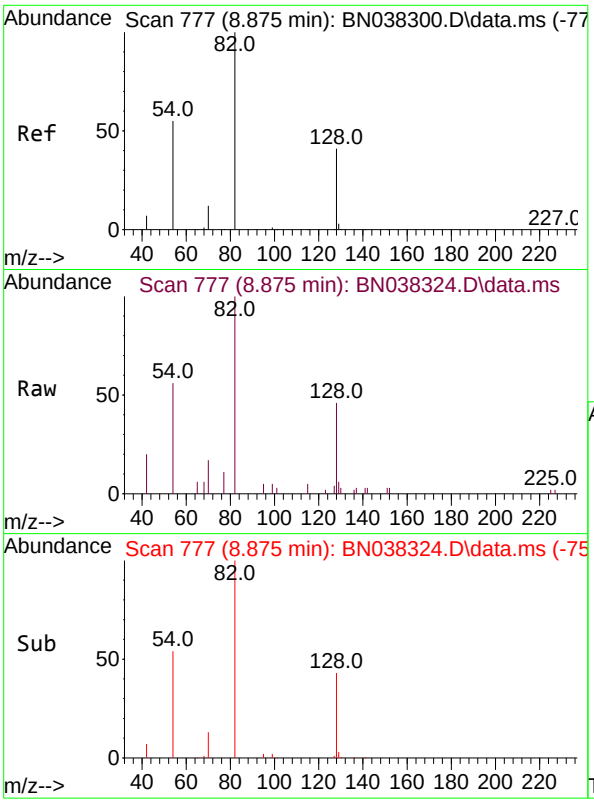


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Tgt Ion:136 Resp: 16262

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	11.2	5.2	7.8#
68	8.7	4.1	6.1#



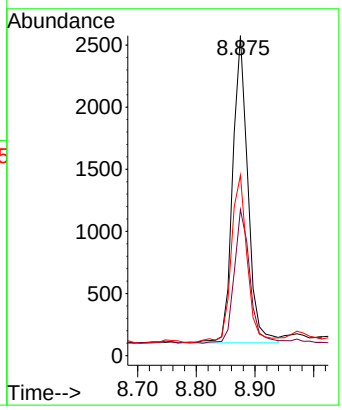


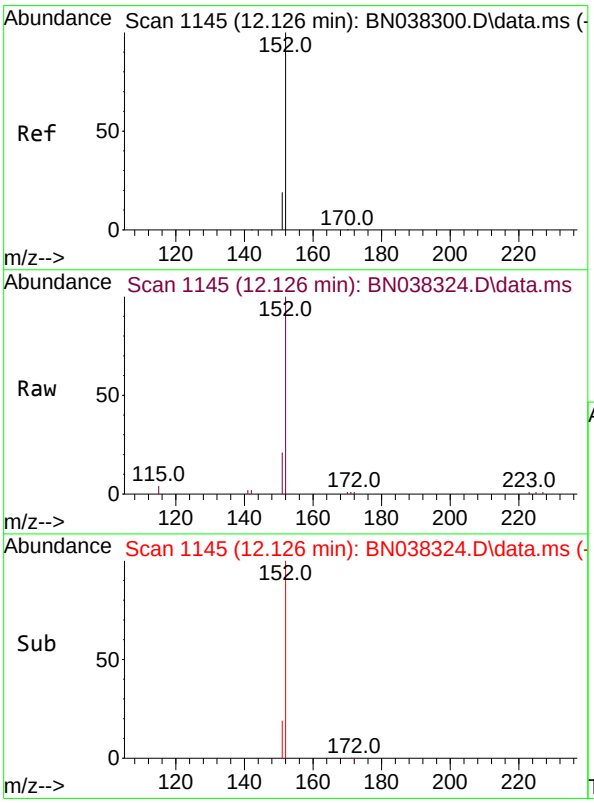
#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 8.875 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Instrument :
BNA_N
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion: 82 Resp: 4455

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	56.4	44.4	66.6

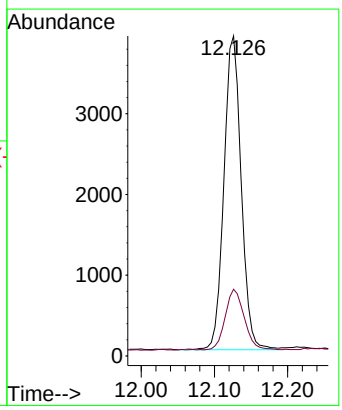


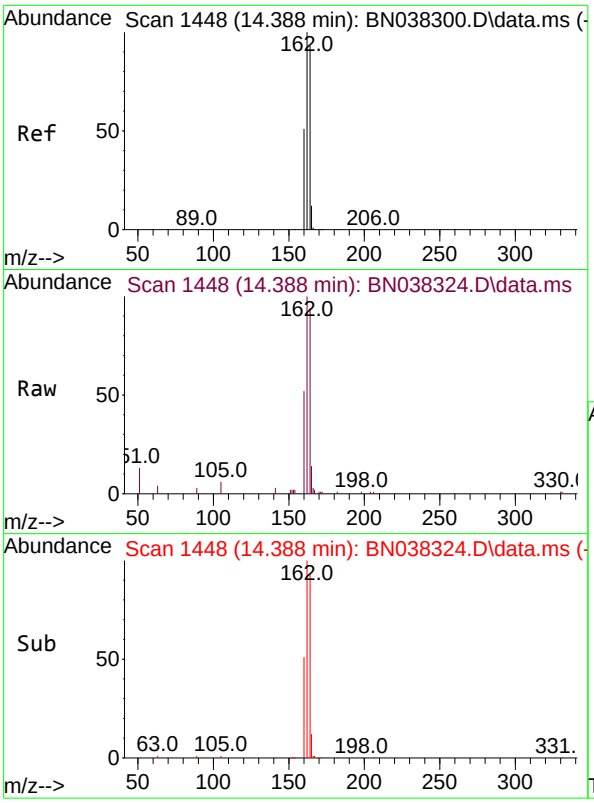


#11
2-Methylnaphthalene-d10
Concen: 0.278 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Tgt Ion:152 Resp: 6374

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.0	25.6



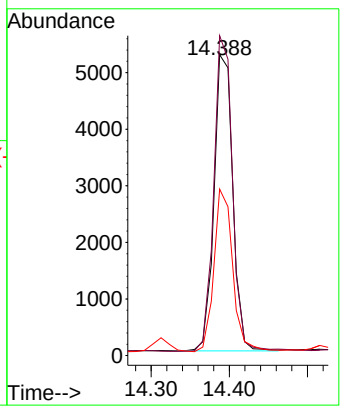


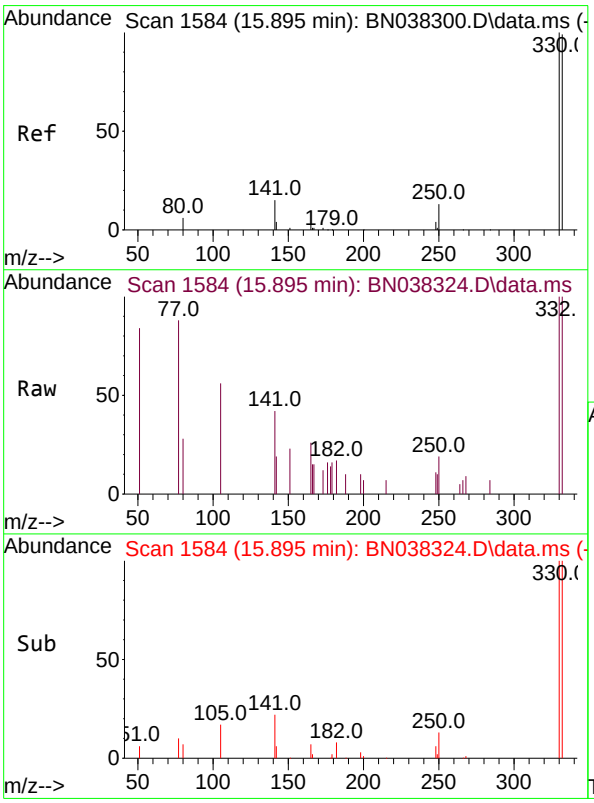
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Instrument :
BNA_N
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion:164 Resp: 8730

Ion	Ratio	Lower	Upper
164	100		
162	106.4	86.2	129.4
160	55.4	44.6	67.0

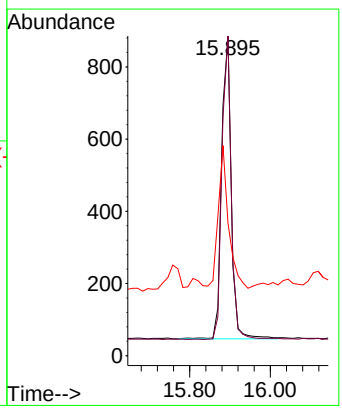


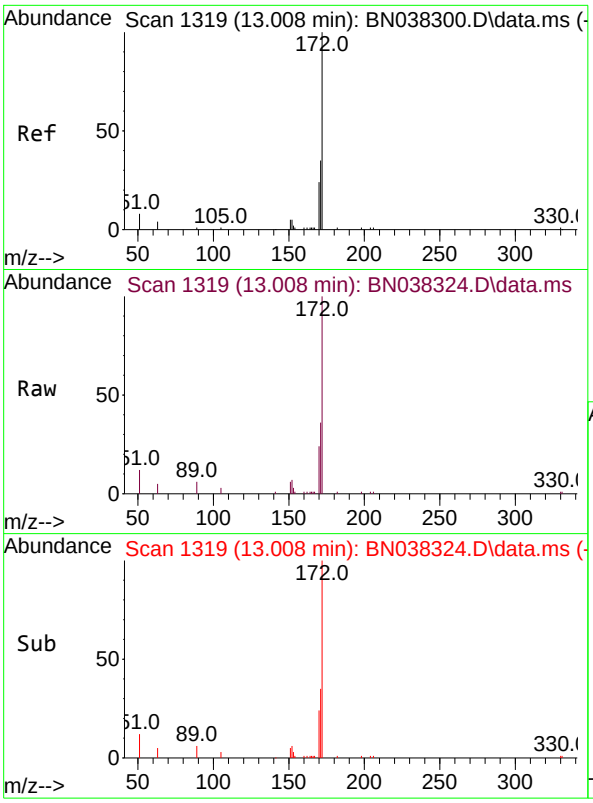


#14
2,4,6-Tribromophenol
Concen: 0.358 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Tgt Ion:330 Resp: 1387

Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.8	113.6
141	50.0	31.8	47.8#



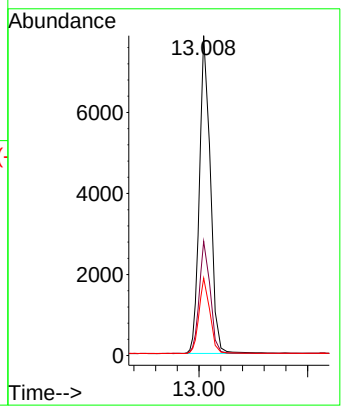


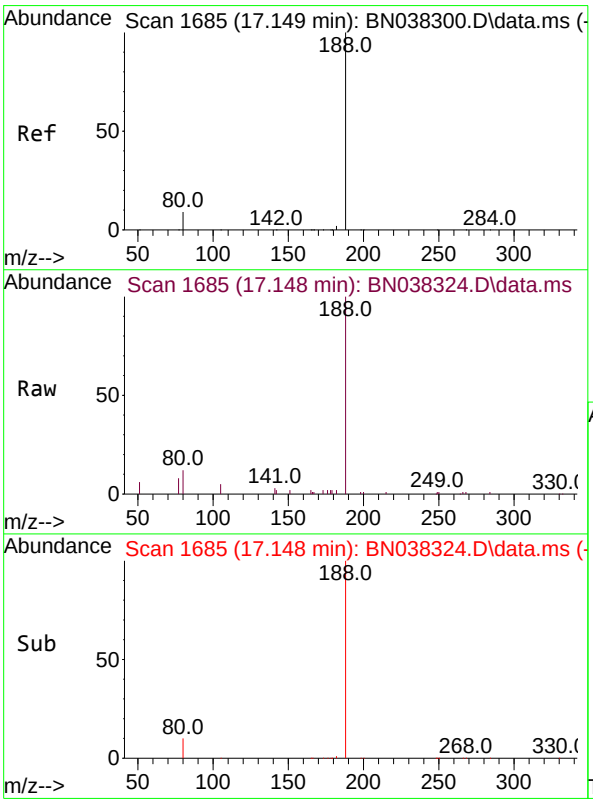
#15
2-Fluorobiphenyl
Concen: 0.294 ng
RT: 13.008 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Instrument :
BNA_N
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion:172 Resp: 12350

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	24.2	19.3	28.9

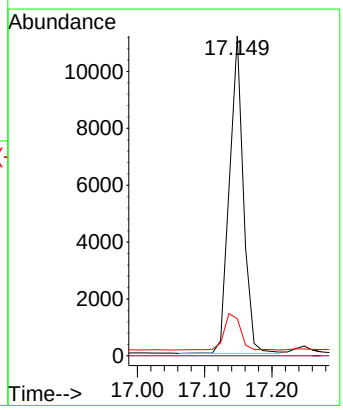


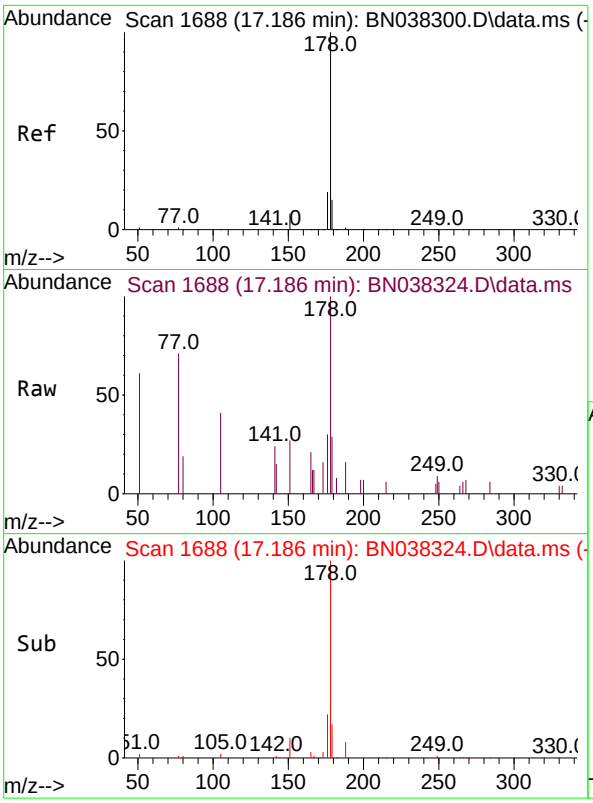


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Tgt Ion:188 Resp: 16136

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	7.4	11.0#



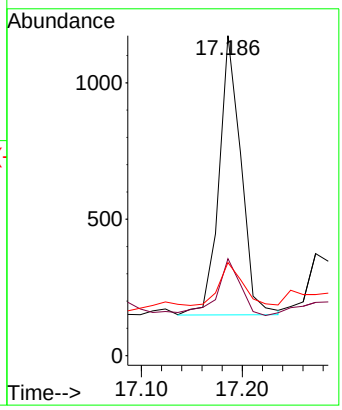


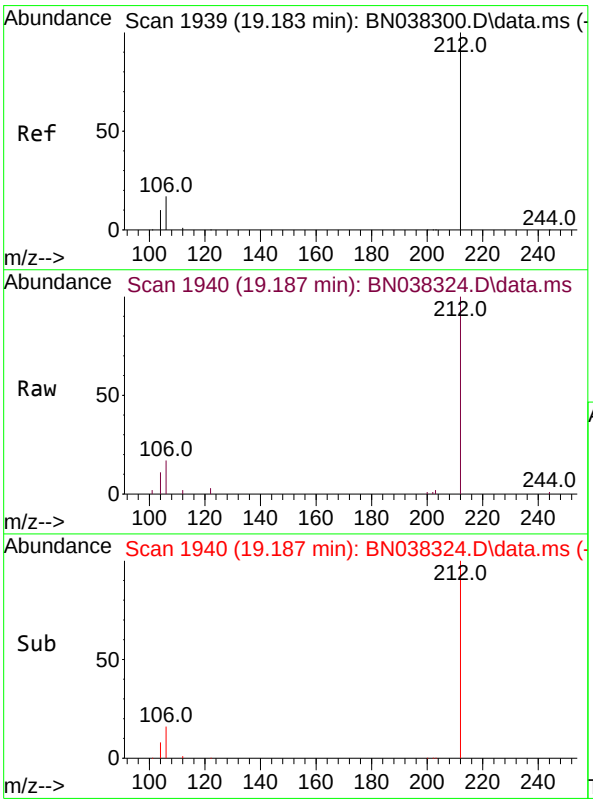
#25
Phenanthrene
Concen: 0.028 ng
RT: 17.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Instrument :
BNA_N
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion:178 Resp: 1545

Ion	Ratio	Lower	Upper
178	100		
176	23.2	15.5	23.3
179	17.2	12.2	18.2

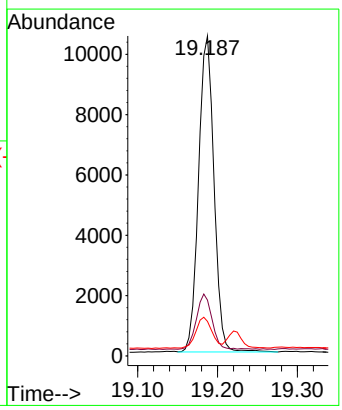


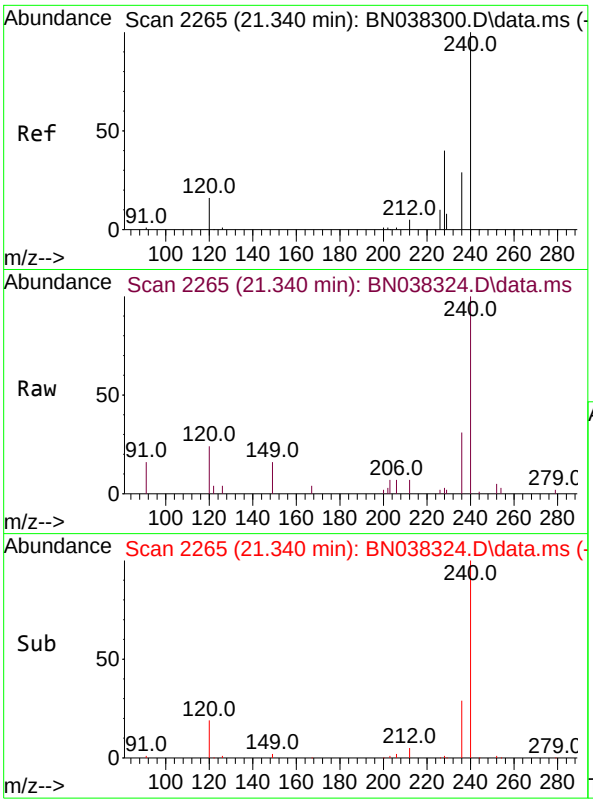


#27
Fluoranthene-d10
Concen: 0.351 ng
RT: 19.187 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Tgt Ion:212 Resp: 14020

Ion	Ratio	Lower	Upper
212	100		
106	17.7	13.7	20.5
104	9.9	7.8	11.8



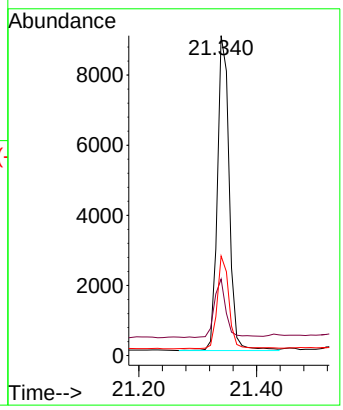


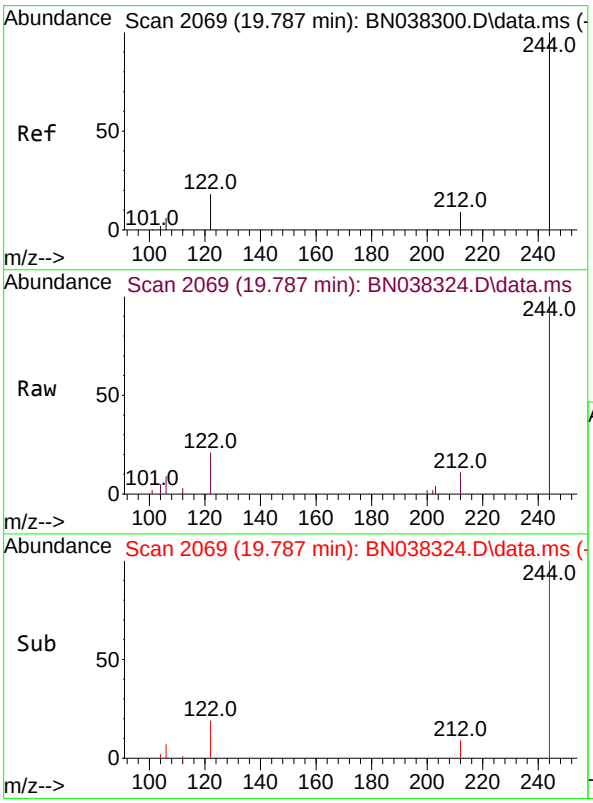
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Instrument :
BNA_N
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion:240 Resp: 12618

Ion	Ratio	Lower	Upper
240	100		
120	23.9	15.4	23.2#
236	31.1	23.9	35.9

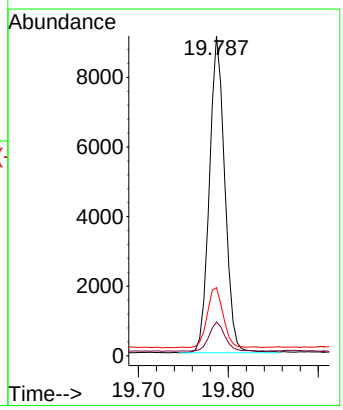


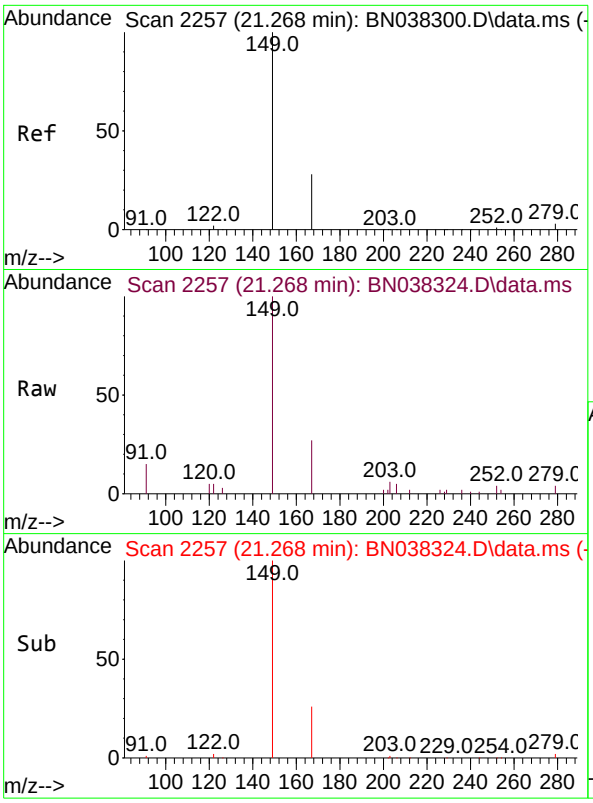


#31
Terphenyl-d14
Concen: 0.384 ng
RT: 19.787 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Tgt Ion:244 Resp: 10814

Ion	Ratio	Lower	Upper
244	100		
212	10.6	7.9	11.9
122	21.3	15.0	22.6



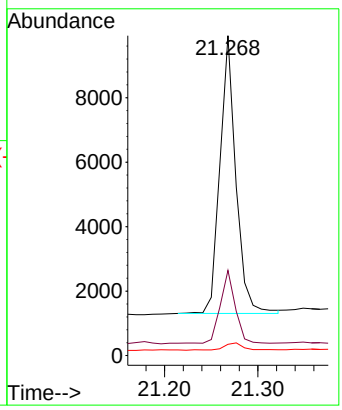


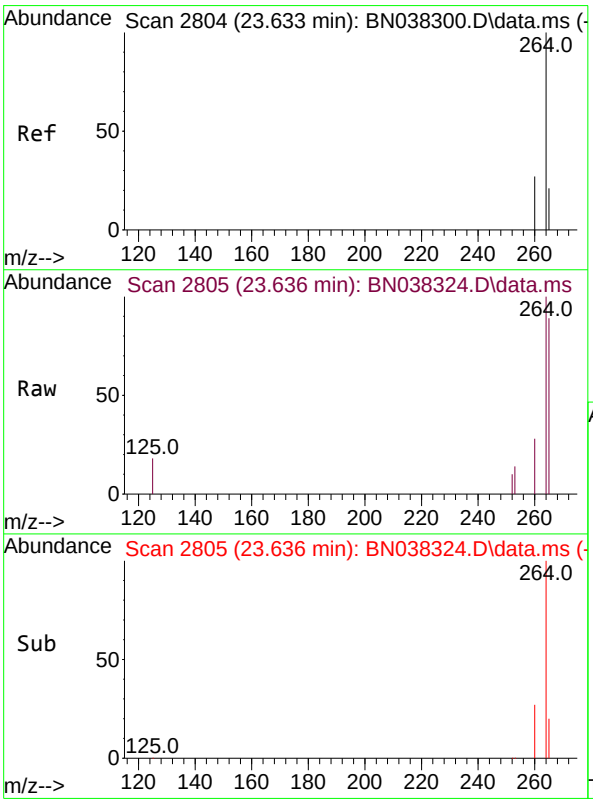
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.385 ng
RT: 21.268 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Instrument :
BNA_N
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion:149 Resp: 10286

Ion	Ratio	Lower	Upper
149	100		
167	24.2	21.4	32.0
279	3.4	2.4	3.6

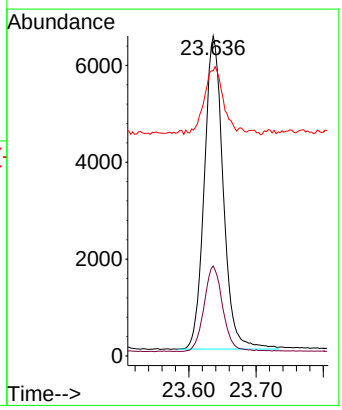




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.636 min Scan# 2805
Delta R.T. 0.003 min
Lab File: BN038324.D
Acq: 11 Dec 2025 19:04

Tgt Ion:264 Resp: 12629

Ion	Ratio	Lower	Upper
264	100		
260	28.1	22.2	33.2
265	89.1	80.2	120.2



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

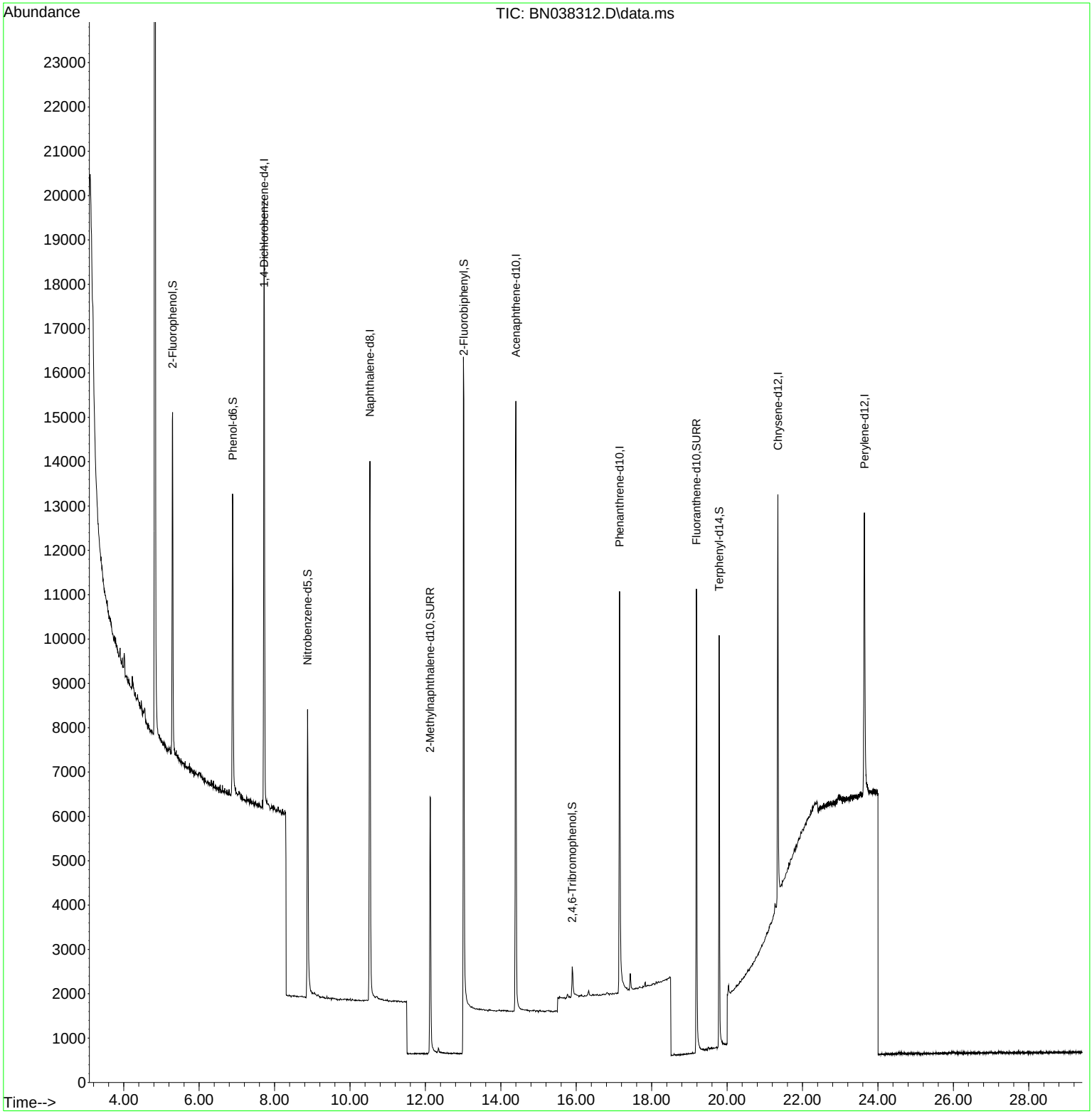
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	6927	0.400	ng	0.00
7) Naphthalene-d8	10.530	136	17922	0.400	ng	0.00
13) Acenaphthene-d10	14.398	164	8615	0.400	ng	0.00
19) Phenanthrene-d10	17.148	188	14660	0.400	ng	# 0.00
29) Chrysene-d12	21.348	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

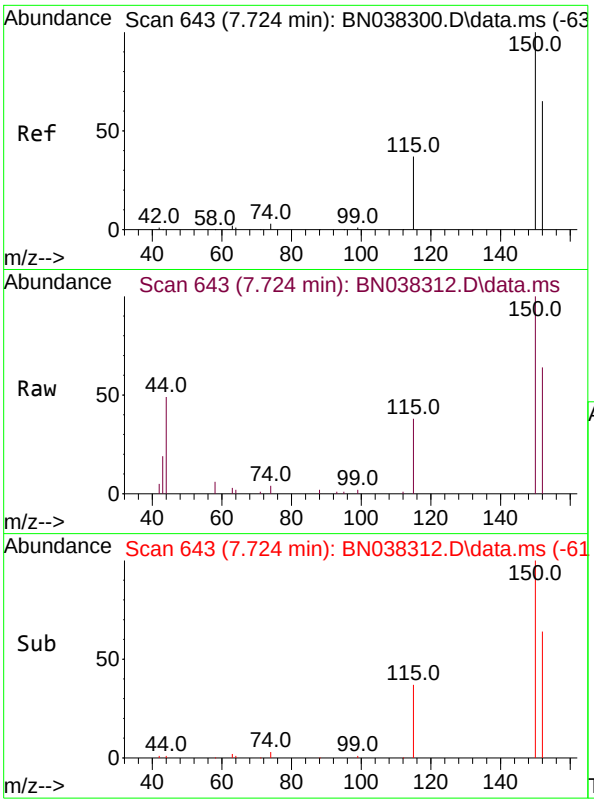
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



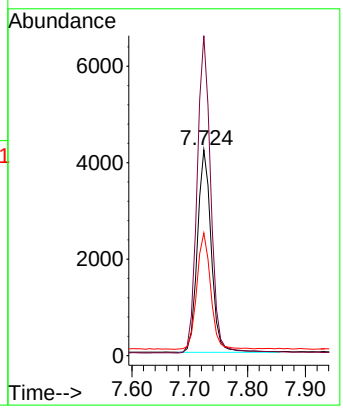


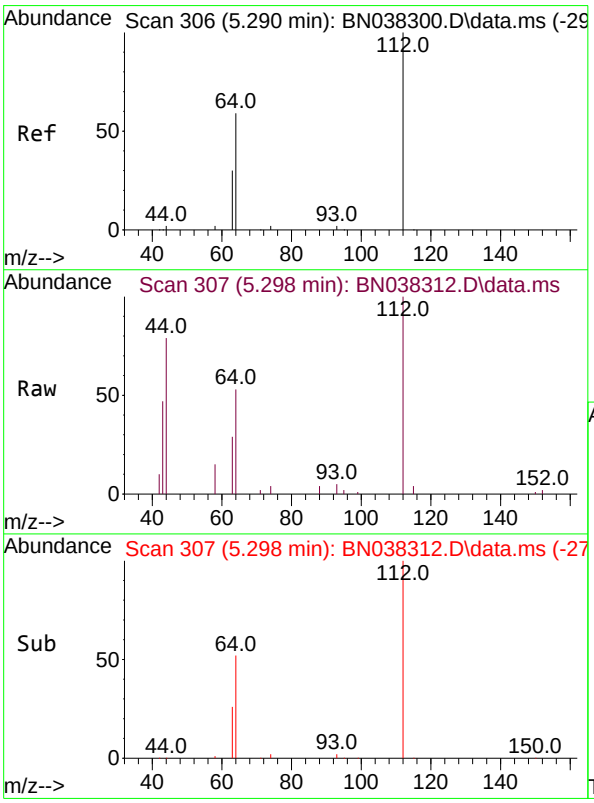
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

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

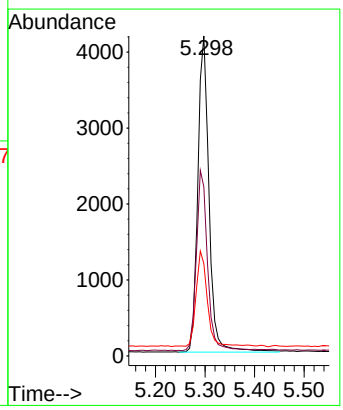


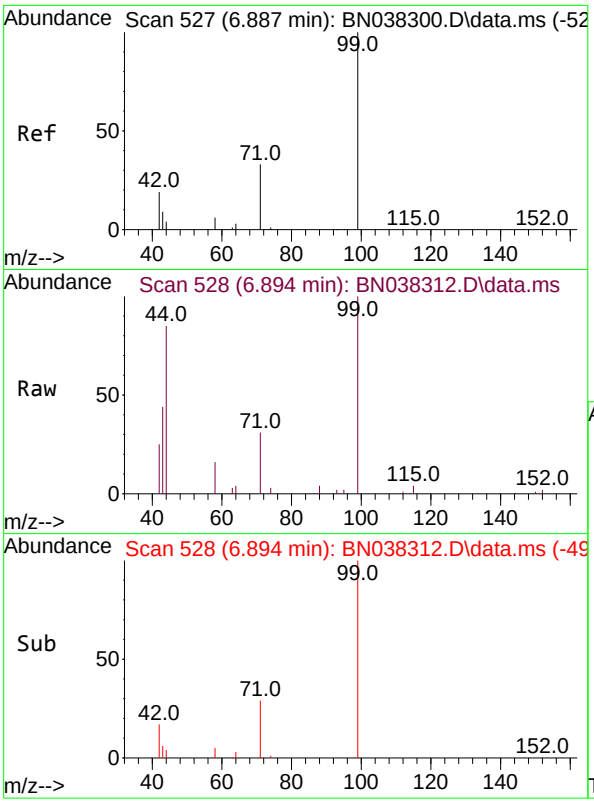


#4
2-Fluorophenol
Concen: 0.378 ng
RT: 5.298 min Scan# 307
Delta R.T. 0.007 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

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



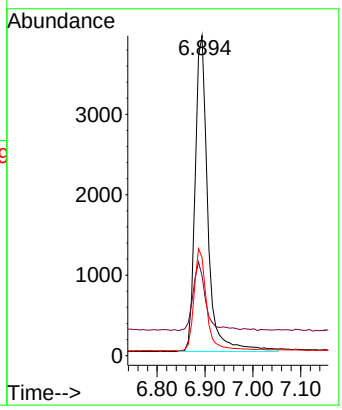


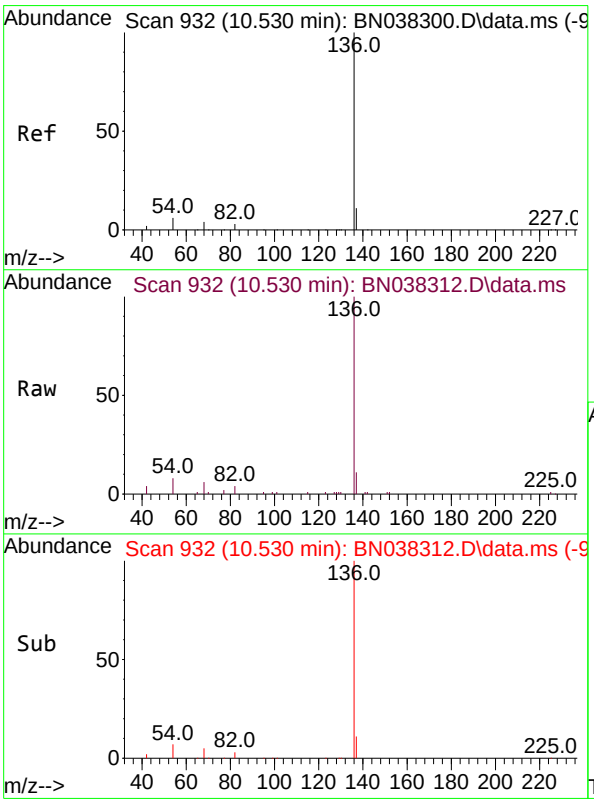
#5
Phenol-d6
Concen: 0.353 ng
RT: 6.894 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

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

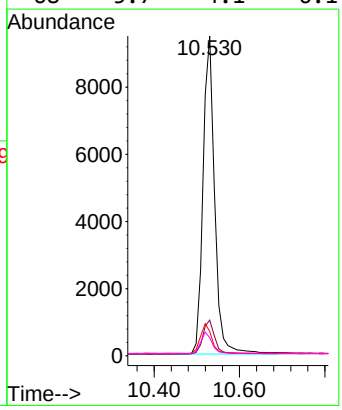


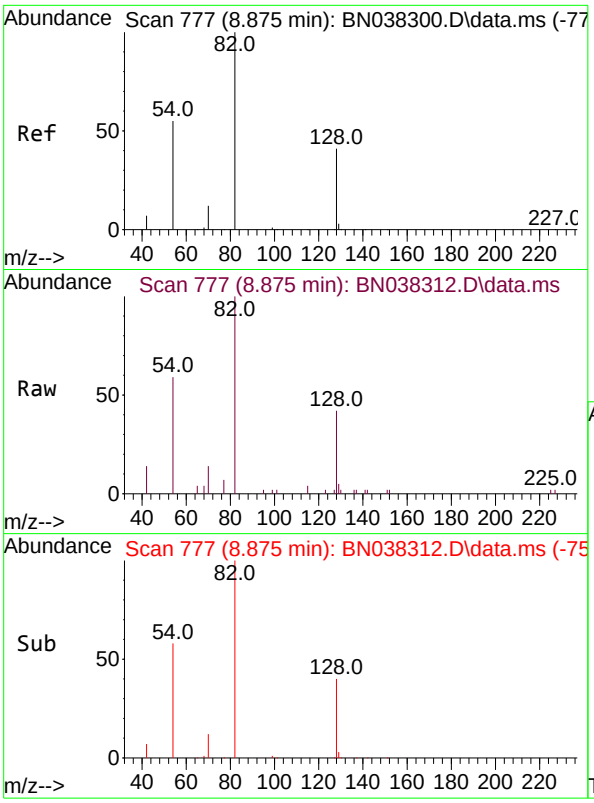


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.530 min Scan# 932
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

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



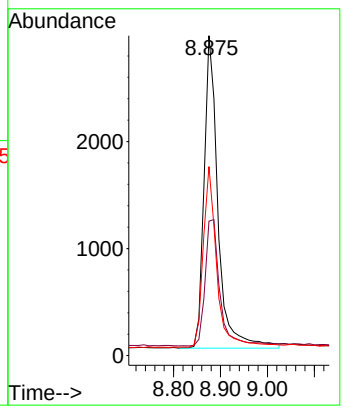


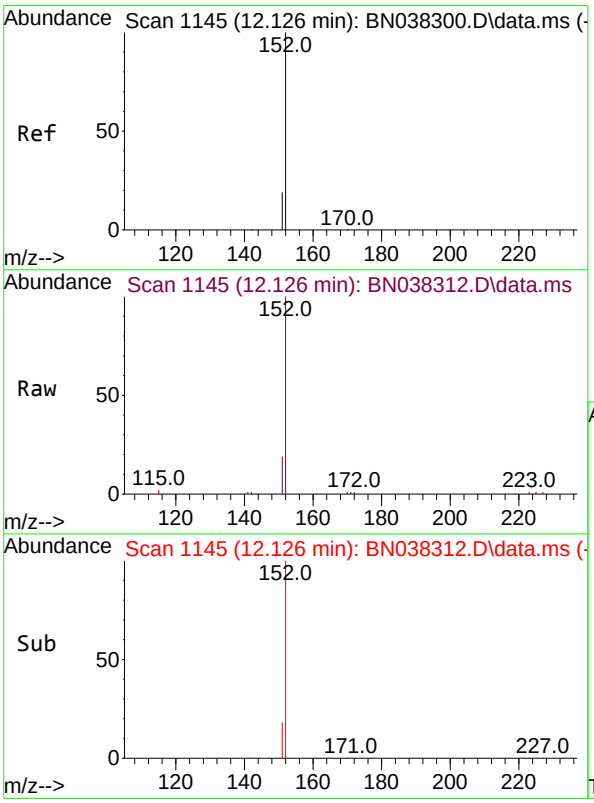
#8
Nitrobenzene-d5
Concen: 0.398 ng
RT: 8.875 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

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

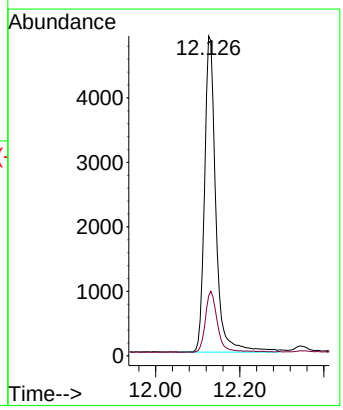


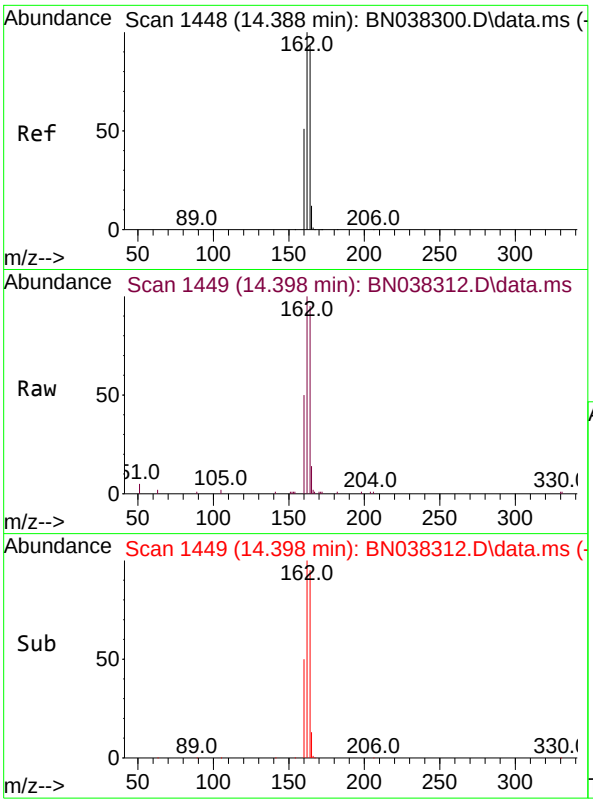


#11
2-Methylnaphthalene-d10
Concen: 0.362 ng
RT: 12.126 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion:152 Resp: 9148

Ion	Ratio	Lower	Upper
152	100		
151	20.3	17.0	25.6



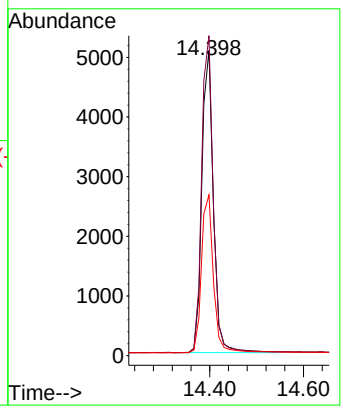


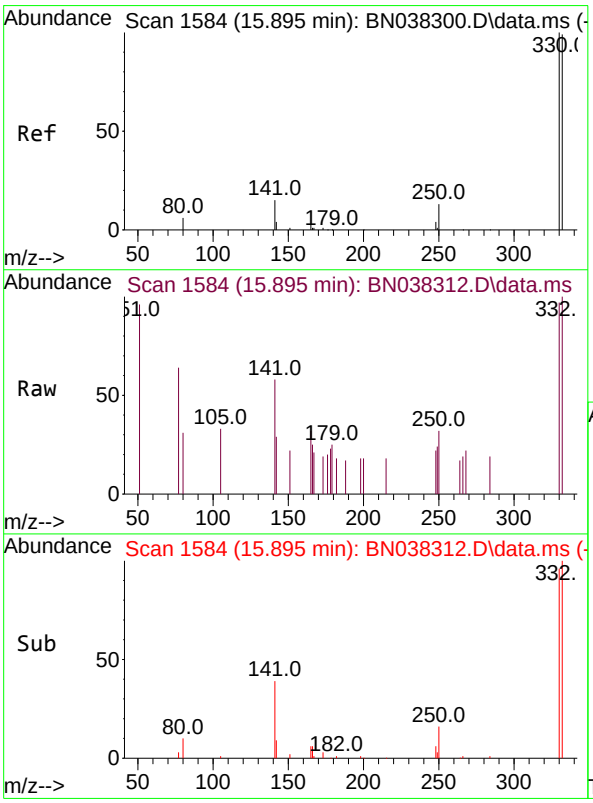
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.398 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

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

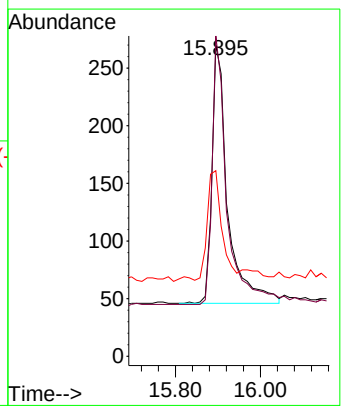


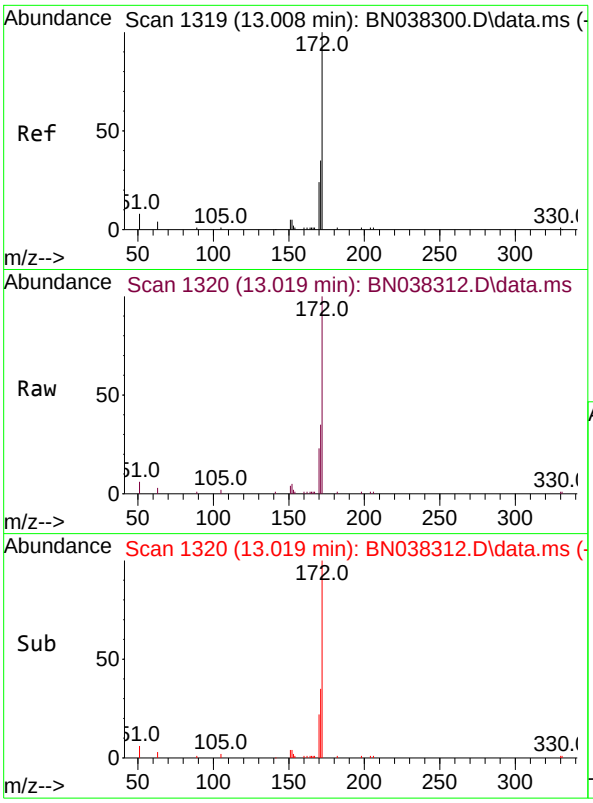


#14
2,4,6-Tribromophenol
Concen: 0.151 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

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



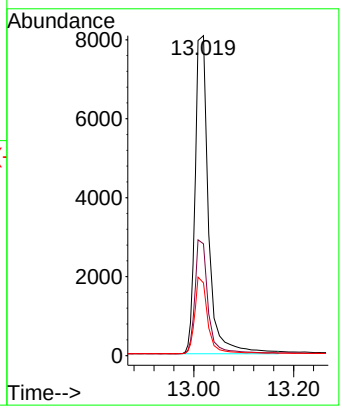


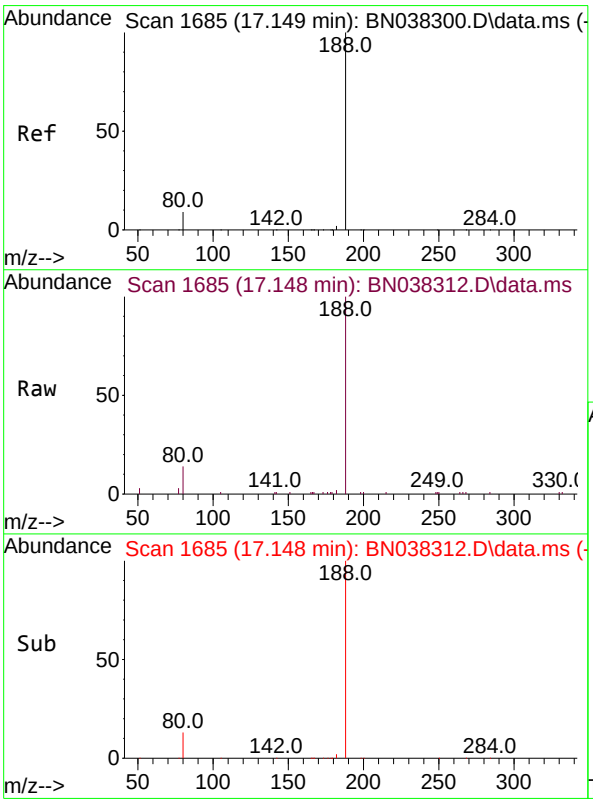
#15
2-Fluorobiphenyl
Concen: 0.376 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

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

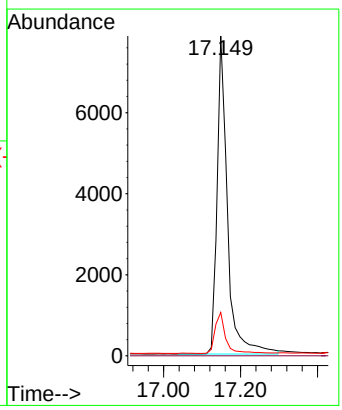


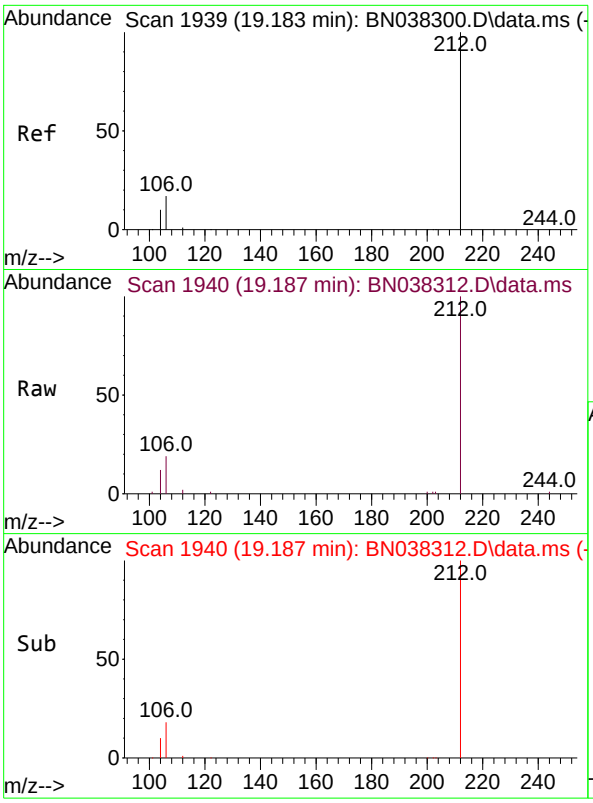


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.148 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

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#



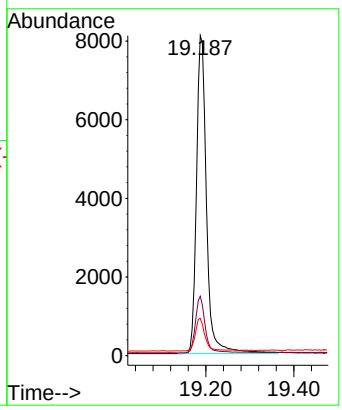


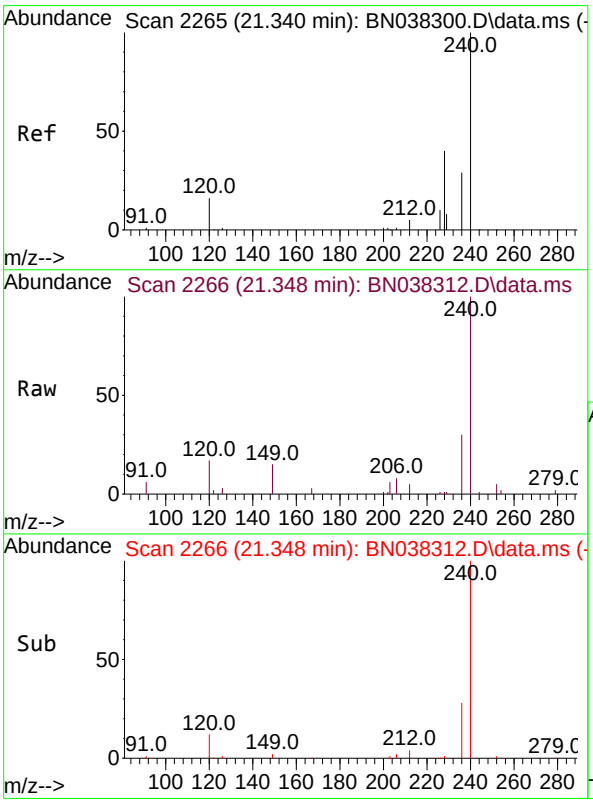
#27
Fluoranthene-d10
Concen: 0.354 ng
RT: 19.187 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Instrument :
BNA_N
ClientSampleId :
PB170850BL

Tgt Ion:212 Resp: 12817

Ion	Ratio	Lower	Upper
212	100		
106	17.2	13.7	20.5
104	9.8	7.8	11.8

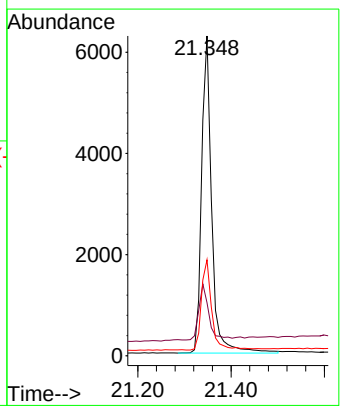


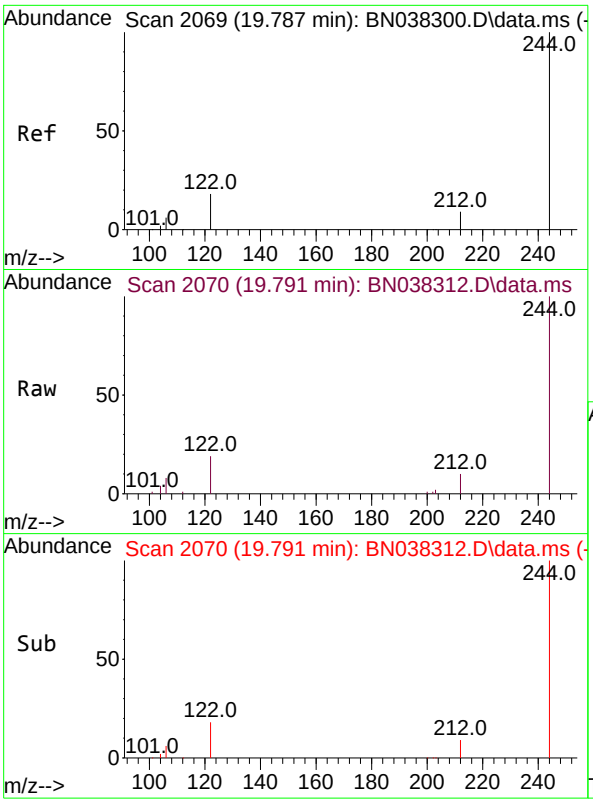


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.348 min Scan# 2266
Delta R.T. 0.009 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

Tgt Ion:240 Resp: 9357

Ion	Ratio	Lower	Upper
240	100		
120	16.6	15.4	23.2
236	30.0	23.9	35.9



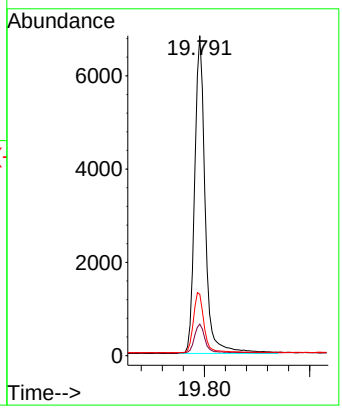


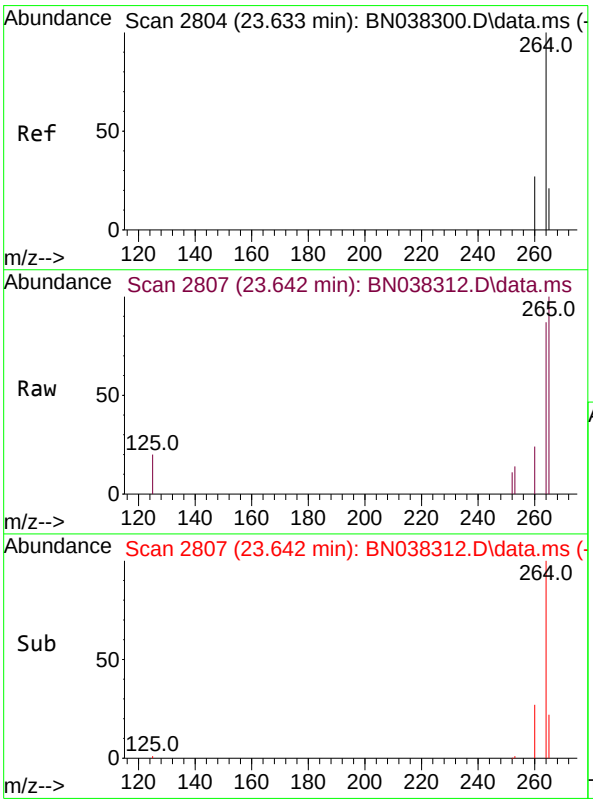
#31
Terphenyl-d14
Concen: 0.453 ng
RT: 19.791 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

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

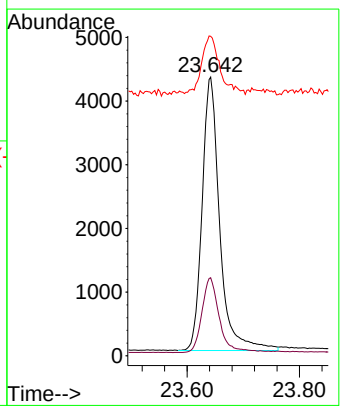




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.642 min Scan# 2807
Delta R.T. 0.009 min
Lab File: BN038312.D
Acq: 11 Dec 2025 11:49

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



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

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

Instrument :
BNA_N
ClientSampleId :
PB170850BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

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

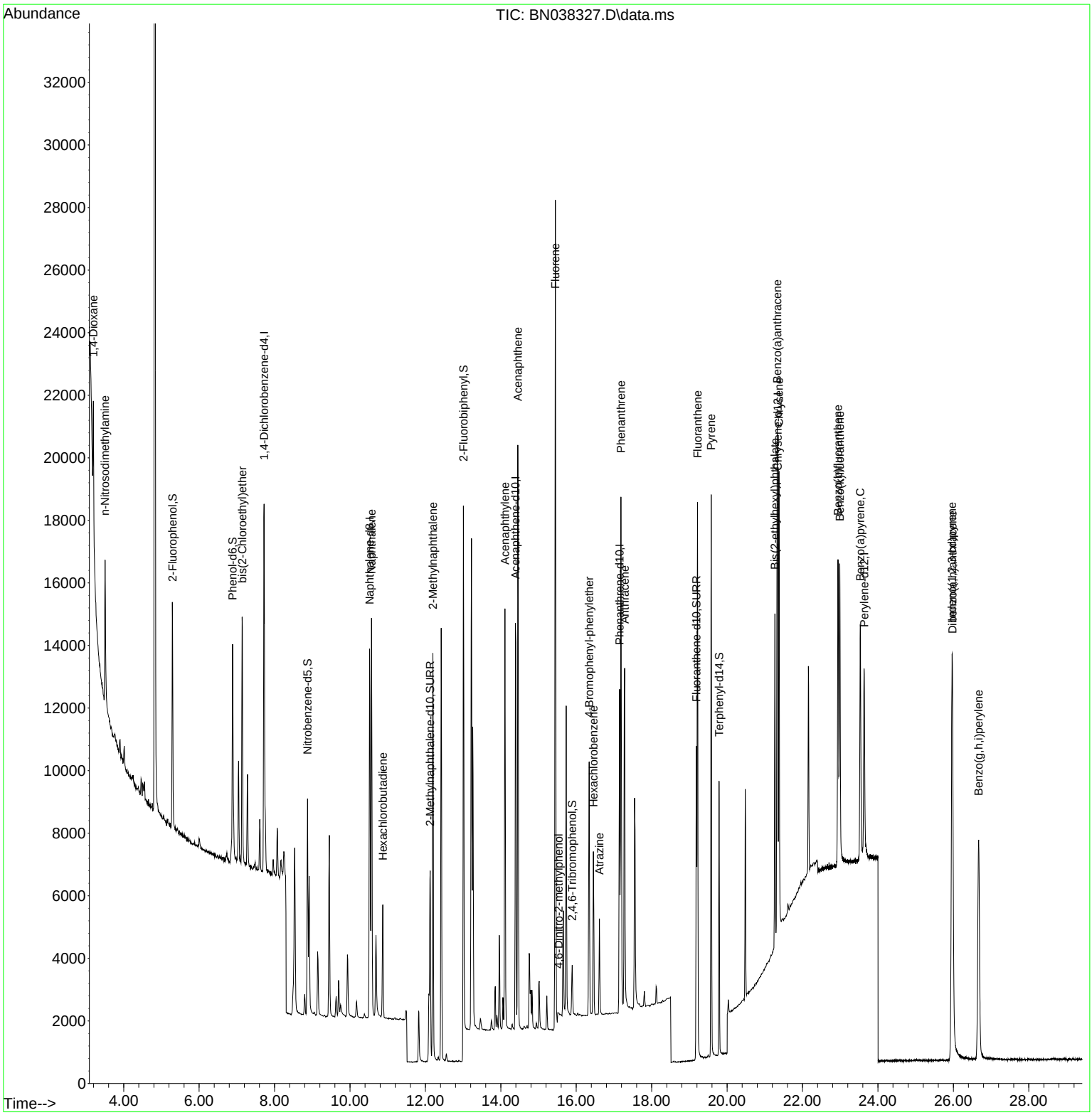
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038327.D
Acq On : 11 Dec 2025 20:52
Operator : RC/JU
Sample : PB170850BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

Instrument :
BNA_N
ClientSampleId :
PB170850BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038338.D
Acq On : 12 Dec 2025 04:49
Operator : RC/JU
Sample : Q3787-02MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 12 07:08:13 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

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

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	10.520	136	13867	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	6982	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	12326	0.400	ng	0.00
29) Chrysene-d12	21.340	240	9977	0.400	ng	0.00
35) Perylene-d12	23.630	264	10317	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	2099	0.159	ng	0.00
5) Phenol-d6	6.887	99	1510	0.096	ng	0.00
8) Nitrobenzene-d5	8.875	82	3837	0.328	ng	0.00
11) 2-Methylnaphthalene-d10	12.126	152	5152m	0.263	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	857	0.277	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	10068	0.299	ng	0.00
27) Fluoranthene-d10	19.183	212	10771	0.353	ng	0.00
31) Terphenyl-d14	19.787	244	8549	0.384	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	1066	0.175	ng	# 49
3) n-Nitrosodimethylamine	3.507	42	1213	0.159	ng	# 95
6) bis(2-Chloroethyl)ether	7.139	93	4413	0.287	ng	97
9) Naphthalene	10.573	128	11066	0.270	ng	99
10) Hexachlorobutadiene	10.872	225	1340	0.184	ng	# 100
12) 2-Methylnaphthalene	12.197	142	6337	0.244	ng	99
16) Acenaphthylene	14.110	152	10694	0.312	ng	99
17) Acenaphthene	14.452	154	6457	0.270	ng	98
18) Fluorene	15.446	166	8890	0.289	ng	99
20) 4,6-Dinitro-2-methylph...	15.523	198	156	0.077	ng	# 1
21) 4-Bromophenyl-phenylether	16.342	248	2679	0.293	ng	99
22) Hexachlorobenzene	16.453	284	3053	0.278	ng	100
23) Atrazine	16.615	200	2079	0.333	ng	98
24) Pentachlorophenol	16.801	266	883	0.206	ng	95
25) Phenanthrene	17.186	178	14152	0.330	ng	99
26) Anthracene	17.273	178	11904	0.322	ng	99
28) Fluoranthene	19.215	202	14990	0.329	ng	100
30) Pyrene	19.578	202	15538	0.316	ng	100
32) Benzo(a)anthracene	21.322	228	12599	0.327	ng	100
33) Chrysene	21.375	228	13838	0.326	ng	99
34) Bis(2-ethylhexyl)phtha...	21.268	149	6671	0.315	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.955	276	12432	0.227	ng	99
37) Benzo(b)fluoranthene	22.940	252	12636	0.267	ng	93
38) Benzo(k)fluoranthene	22.984	252	13002	0.275	ng	# 93
39) Benzo(a)pyrene	23.531	252	9521	0.246	ng	91
40) Dibenzo(a,h)anthracene	25.972	278	10196	0.242	ng	95
41) Benzo(g,h,i)perylene	26.662	276	10972	0.233	ng	98

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

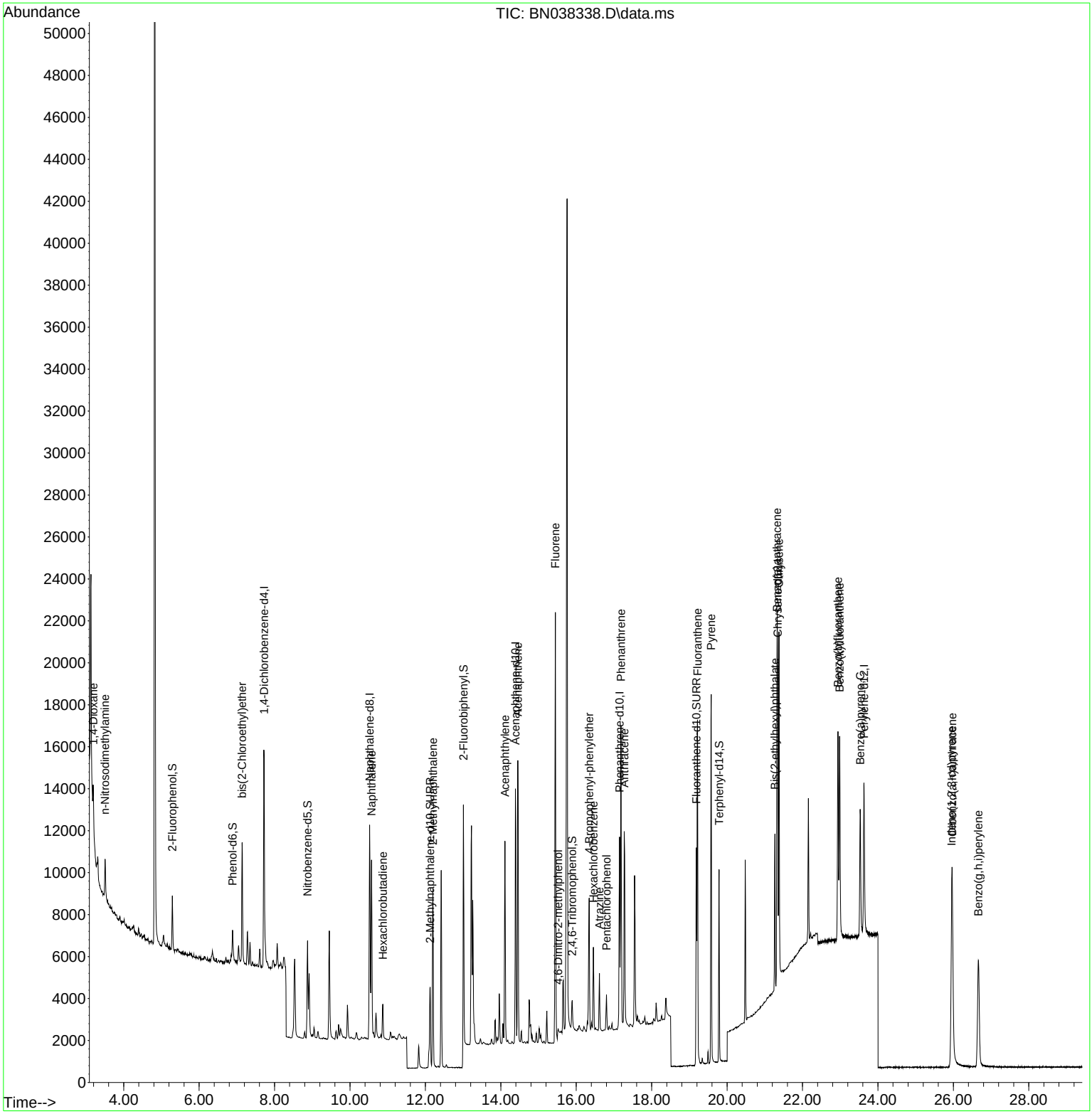
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038338.D
Acq On : 12 Dec 2025 04:49
Operator : RC/JU
Sample : Q3787-02MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 12 07:08:13 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

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038339.D
Acq On : 12 Dec 2025 05:25
Operator : RC/JU
Sample : Q3787-03MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 12 07:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	5233	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	13599	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	6783	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	11975	0.400	ng	0.00
29) Chrysene-d12	21.340	240	9813	0.400	ng	0.00
35) Perylene-d12	23.630	264	10087	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	2023	0.155	ng	0.00
5) Phenol-d6	6.887	99	1511	0.098	ng	0.00
8) Nitrobenzene-d5	8.875	82	3684	0.321	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	4934m	0.257	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	842	0.280	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	10346	0.317	ng	0.00
27) Fluoranthene-d10	19.183	212	10585	0.357	ng	0.00
31) Terphenyl-d14	19.787	244	8167	0.373	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	1088	0.181	ng	# 58
3) n-Nitrosodimethylamine	3.507	42	1155	0.154	ng	# 94
6) bis(2-Chloroethyl)ether	7.139	93	4337	0.286	ng	98
9) Naphthalene	10.573	128	10714	0.267	ng	99
10) Hexachlorobutadiene	10.872	225	1319	0.185	ng	# 100
12) 2-Methylnaphthalene	12.197	142	6183	0.242	ng	99
16) Acenaphthylene	14.110	152	10464	0.314	ng	100
17) Acenaphthene	14.452	154	6285	0.271	ng	98
18) Fluorene	15.446	166	8630	0.289	ng	99
20) 4,6-Dinitro-2-methylph...	15.523	198	196	0.099	ng	# 1
21) 4-Bromophenyl-phenylether	16.342	248	2613	0.294	ng	98
22) Hexachlorobenzene	16.453	284	2948	0.276	ng	99
23) Atrazine	16.615	200	1974	0.326	ng	99
24) Pentachlorophenol	16.801	266	903	0.217	ng	96
25) Phenanthrene	17.186	178	13565	0.325	ng	99
26) Anthracene	17.273	178	11572	0.322	ng	100
28) Fluoranthene	19.211	202	14520	0.328	ng	100
30) Pyrene	19.578	202	15055	0.312	ng	100
32) Benzo(a)anthracene	21.322	228	12366	0.326	ng	99
33) Chrysene	21.375	228	13582	0.325	ng	100
34) Bis(2-ethylhexyl)phtha...	21.259	149	6625	0.319	ng	99
36) Indeno(1,2,3-cd)pyrene	25.955	276	12222	0.228	ng	100
37) Benzo(b)fluoranthene	22.937	252	13113m	0.283	ng	
38) Benzo(k)fluoranthene	22.981	252	12856	0.278	ng	# 93
39) Benzo(a)pyrene	23.528	252	9134	0.241	ng	90
40) Dibenzo(a,h)anthracene	25.972	278	10030	0.243	ng	95
41) Benzo(g,h,i)perylene	26.665	276	10775	0.234	ng	98

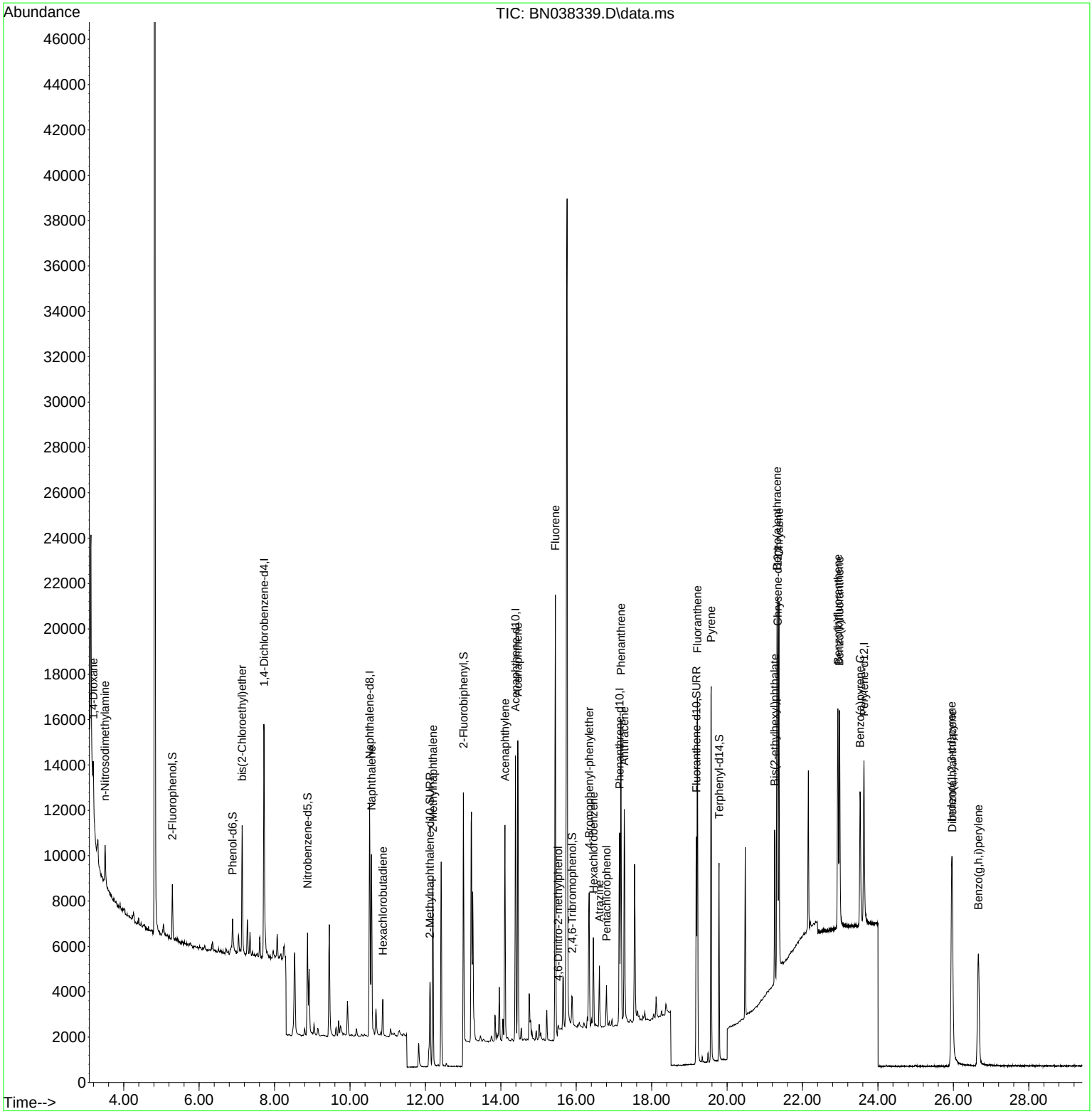
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121125\
Data File : BN038339.D
Acq On : 12 Dec 2025 05:25
Operator : RC/JU
Sample : Q3787-03MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 12 07:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MW-15B-42.5-120425MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 12/12/2025
Supervised By :Jagrut Upadhyay 12/12/2025



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

Manual Integration Report

Sequence:	BN121025	Instrument	BNA_n

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

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

Manual Integration Report

Sequence:	BN121125	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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
Q3787-02MS	BN038338.D	2-Methylnaphthalene-d10	rahul	12/12/2025 10:27:27 AM	Jagrut	12/12/2025 2:27:10 PM	Peak Integrated by Software
Q3787-03MSD	BN038339.D	2-Methylnaphthalene-d10	rahul	12/12/2025 10:27:30 AM	Jagrut	12/12/2025 2:27:13 PM	Peak Integrated by Software
Q3787-03MSD	BN038339.D	Benzo(b)fluoranthene	rahul	12/12/2025 10:27:30 AM	Jagrut	12/12/2025 2:27:13 PM	Peak Integrated by Software

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN121025

Review By	rahul	Review On	12/11/2025 4:30:54 PM		
Supervise By	mohammad	Supervise On	12/13/2025 12:56:07 AM		
SubDirectory	BN121025	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038297.D	10 Dec 2025 09:12	RC/JU	Ok
2	SSTDICC0.1	BN038298.D	10 Dec 2025 09:52	RC/JU	Ok
3	SSTDICC0.2	BN038299.D	10 Dec 2025 10:28	RC/JU	Ok
4	SSTDICCC0.4	BN038300.D	10 Dec 2025 11:05	RC/JU	Ok
5	SSTDICC0.8	BN038301.D	10 Dec 2025 11:41	RC/JU	Ok
6	SSTDICC1.6	BN038302.D	10 Dec 2025 12:17	RC/JU	Ok
7	SSTDICC3.2	BN038303.D	10 Dec 2025 12:53	RC/JU	Ok
8	SSTDICC5.0	BN038304.D	10 Dec 2025 13:30	RC/JU	Ok
9	SSTDICV0.4	BN038305.D	10 Dec 2025 14:06	RC/JU	Ok
10	PB170590BL	BN038306.D	10 Dec 2025 14:42	RC/JU	Ok
11	Q3483-11	BN038307.D	10 Dec 2025 15:18	RC/JU	Dilution
12	Q3483-11DL	BN038308.D	10 Dec 2025 15:54	RC/JU	Ok,M
13	SSTDCCC0.4	BN038309.D	10 Dec 2025 17:15	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN121125

Review By	rahul	Review On	12/11/2025 4:31:02 PM		
Supervise By	Jagrut	Supervise On	12/12/2025 2:27:51 PM		
SubDirectory	BN121125	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN038310.D	11 Dec 2025 10:33	RC/JU	Ok
2	SSTDCCC0.4	BN038311.D	11 Dec 2025 11:13	RC/JU	Ok
3	PB170850BL	BN038312.D	11 Dec 2025 11:49	RC/JU	Ok
4	Q3757-03	BN038313.D	11 Dec 2025 12:25	RC/JU	Dilution
5	Q3757-05	BN038314.D	11 Dec 2025 13:01	RC/JU	Ok
6	Q3757-07	BN038315.D	11 Dec 2025 13:38	RC/JU	Ok
7	Q3757-09	BN038316.D	11 Dec 2025 14:14	RC/JU	Ok
8	Q3757-11	BN038317.D	11 Dec 2025 14:50	RC/JU	Ok
9	Q3787-07	BN038318.D	11 Dec 2025 15:27	RC/JU	Ok
10	Q3787-09	BN038319.D	11 Dec 2025 16:03	RC/JU	Ok
11	Q3787-11	BN038320.D	11 Dec 2025 16:39	RC/JU	Ok
12	Q3787-13	BN038321.D	11 Dec 2025 17:15	RC/JU	Ok
13	Q3787-15	BN038322.D	11 Dec 2025 17:52	RC/JU	Ok
14	Q3787-17	BN038323.D	11 Dec 2025 18:28	RC/JU	Ok
15	Q3787-19	BN038324.D	11 Dec 2025 19:04	RC/JU	Ok
16	Q3788-07	BN038325.D	11 Dec 2025 19:40	RC/JU	Ok
17	Q3788-11	BN038326.D	11 Dec 2025 20:16	RC/JU	Ok
18	PB170850BS	BN038327.D	11 Dec 2025 20:52	RC/JU	Ok,M
19	SSTDCCC0.4	BN038328.D	11 Dec 2025 21:28	RC/JU	Ok
20	DFTPP	BN038329.D	11 Dec 2025 23:20	RC/JU	Ok
21	SSTDCCC0.4	BN038330.D	11 Dec 2025 23:59	RC/JU	Ok

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

Daily Analysis Runlog For Sequence/QCBatch ID # BN121125

Review By	rahul	Review On	12/11/2025 4:31:02 PM		
Supervise By	Jagrut	Supervise On	12/12/2025 2:27:51 PM		
SubDirectory	BN121125	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB170850BL	BN038331.D	12 Dec 2025 00:36	RC/JU	Not Ok
23	Q3756-03DL	BN038332.D	12 Dec 2025 01:13	RC/JU	Ok
24	Q3757-03DL	BN038333.D	12 Dec 2025 01:49	RC/JU	Ok
25	Q3788-01	BN038334.D	12 Dec 2025 02:25	RC/JU	Dilution
26	Q3788-02MS	BN038335.D	12 Dec 2025 03:01	RC/JU	Ok,M
27	Q3788-03MSD	BN038336.D	12 Dec 2025 03:37	RC/JU	Ok,M
28	Q3787-01	BN038337.D	12 Dec 2025 04:13	RC/JU	Ok
29	Q3787-02MS	BN038338.D	12 Dec 2025 04:49	RC/JU	Ok,M
30	Q3787-03MSD	BN038339.D	12 Dec 2025 05:25	RC/JU	Ok,M
31	Q3788-09	BN038340.D	12 Dec 2025 06:02	RC/JU	Ok
32	SSTDCCC0.4	BN038341.D	12 Dec 2025 06:38	RC/JU	Ok

M : Manual Integration

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

Daily Analysis Runlog For Sequence/QCBatch ID # BN121025

Review By	rahul	Review On	12/11/2025 4:30:54 PM	
Supervise By	mohammad	Supervise On	12/13/2025 12:56:07 AM	
SubDirectory	BN121025	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038297.D	10 Dec 2025 09:12		RC/JU	Ok
2	SSTDICC0.1	SSTDICC0.1	BN038298.D	10 Dec 2025 09:52		RC/JU	Ok
3	SSTDICC0.2	SSTDICC0.2	BN038299.D	10 Dec 2025 10:28		RC/JU	Ok
4	SSTDICCC0.4	SSTDICCC0.4	BN038300.D	10 Dec 2025 11:05		RC/JU	Ok
5	SSTDICC0.8	SSTDICC0.8	BN038301.D	10 Dec 2025 11:41		RC/JU	Ok
6	SSTDICC1.6	SSTDICC1.6	BN038302.D	10 Dec 2025 12:17		RC/JU	Ok
7	SSTDICC3.2	SSTDICC3.2	BN038303.D	10 Dec 2025 12:53		RC/JU	Ok
8	SSTDICC5.0	SSTDICC5.0	BN038304.D	10 Dec 2025 13:30	Comp# 20 (4,6-Dinitro-2-methylphenol) removed from 5.0 ng level	RC/JU	Ok
9	SSTDICV0.4	ICVBN121025	BN038305.D	10 Dec 2025 14:06		RC/JU	Ok
10	PB170590BL	PB170590BL	BN038306.D	10 Dec 2025 14:42		RC/JU	Ok
11	Q3483-11	HW1025-PT-BNA-SOIL	BN038307.D	10 Dec 2025 15:18	Need 100X Dilution	RC/JU	Dilution
12	Q3483-11DL	HW1025-PT-BNA-SOIL	BN038308.D	10 Dec 2025 15:54		RC/JU	Ok,M
13	SSTDCCC0.4	SSTDCCC0.4EC	BN038309.D	10 Dec 2025 17:15		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP
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Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN121125

Review By	rahul	Review On	12/11/2025 4:31:02 PM	
Supervise By	Jagrut	Supervise On	12/12/2025 2:27:51 PM	
SubDirectory	BN121125	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN038310.D	11 Dec 2025 10:33		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN038311.D	11 Dec 2025 11:13		RC/JU	Ok
3	PB170850BL	PB170850BL	BN038312.D	11 Dec 2025 11:49		RC/JU	Ok
4	Q3757-03	BR-03D-490-120325	BN038313.D	11 Dec 2025 12:25	Need 10X Dilution	RC/JU	Dilution
5	Q3757-05	MW-14B-46-120325	BN038314.D	11 Dec 2025 13:01		RC/JU	Ok
6	Q3757-07	RMW-05B-90.5-120325	BN038315.D	11 Dec 2025 13:38		RC/JU	Ok
7	Q3757-09	OW-05B-72-120325	BN038316.D	11 Dec 2025 14:14		RC/JU	Ok
8	Q3757-11	EB01-120325	BN038317.D	11 Dec 2025 14:50		RC/JU	Ok
9	Q3787-07	OWBR-02-170-120425	BN038318.D	11 Dec 2025 15:27		RC/JU	Ok
10	Q3787-09	OWBR-02-170-120425-	BN038319.D	11 Dec 2025 16:03		RC/JU	Ok
11	Q3787-11	OW-03B-51.5-120425	BN038320.D	11 Dec 2025 16:39		RC/JU	Ok
12	Q3787-13	OW-03B-51.5-120425-F	BN038321.D	11 Dec 2025 17:15		RC/JU	Ok
13	Q3787-15	OW-08B-72.5-120425	BN038322.D	11 Dec 2025 17:52		RC/JU	Ok
14	Q3787-17	OW-08B-72.5-120425-F	BN038323.D	11 Dec 2025 18:28		RC/JU	Ok
15	Q3787-19	OW-02B-21.2-120425	BN038324.D	11 Dec 2025 19:04		RC/JU	Ok
16	Q3788-07	OW-01B-66.5-120525	BN038325.D	11 Dec 2025 19:40		RC/JU	Ok
17	Q3788-11	MW-16B-87.5-120525	BN038326.D	11 Dec 2025 20:16		RC/JU	Ok
18	PB170850BS	PB170850BS	BN038327.D	11 Dec 2025 20:52		RC/JU	Ok,M

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN121125

Review By	rahul	Review On	12/11/2025 4:31:02 PM	
Supervise By	Jagrut	Supervise On	12/12/2025 2:27:51 PM	
SubDirectory	BN121125	HP Acquire Method	BNA_N, 8270_HP Processing Method	BN121025

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6947,SP6946,SP6945,SP6944,SP6943,SP6942,SP6940
CCC	SP6945
Internal Standard/PEM	SP6907,10ul/1000ul sample
ICV/I.BLK	SP6949
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC0.4	SSTDCCC0.4EC	BN038328.D	11 Dec 2025 21:28		RC/JU	Ok
20	DFTPP	DFTPP	BN038329.D	11 Dec 2025 23:20		RC/JU	Ok
21	SSTDCCC0.4	SSTDCCC0.4	BN038330.D	11 Dec 2025 23:59		RC/JU	Ok
22	PB170850BL	PB170850BL	BN038331.D	12 Dec 2025 00:36	Analyzed for contamination check	RC/JU	Not Ok
23	Q3756-03DL	BR-01-190-120225DL	BN038332.D	12 Dec 2025 01:13		RC/JU	Ok
24	Q3757-03DL	BR-03D-490-120325DL	BN038333.D	12 Dec 2025 01:49		RC/JU	Ok
25	Q3788-01	OWBR-05-135-120525	BN038334.D	12 Dec 2025 02:25	Need 10X	RC/JU	Dilution
26	Q3788-02MS	OWBR-05-135-120525I	BN038335.D	12 Dec 2025 03:01		RC/JU	Ok,M
27	Q3788-03MSD	OWBR-05-135-120525I	BN038336.D	12 Dec 2025 03:37		RC/JU	Ok,M
28	Q3787-01	MW-15B-42.5-120425	BN038337.D	12 Dec 2025 04:13		RC/JU	Ok
29	Q3787-02MS	MW-15B-42.5-120425M	BN038338.D	12 Dec 2025 04:49		RC/JU	Ok,M
30	Q3787-03MSD	MW-15B-42.5-120425M	BN038339.D	12 Dec 2025 05:25		RC/JU	Ok,M
31	Q3788-09	TA-BR-05-465-120525	BN038340.D	12 Dec 2025 06:02		RC/JU	Ok
32	SSTDCCC0.4	SSTDCCC0.4EC	BN038341.D	12 Dec 2025 06:38		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170850

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: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6938
Surrogate	1.0ML	0.4 PPM	SP6893
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3986
Baked Na2SO4	N/A	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

Extraction Conformance/Non-Conformance Comments:

pH Adjusted TO <2 with 1:1 H2SO4 & >11with 10N NAOH ,1.5ML Vial Lot #2210443. Q3788 all samples adeed 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 (Extraction)	JY/SVOC
10:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170850

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-SIMGroup1	1000	6	RUPESH	ritesh	1			SEP-1
PB170850BS	SLCS850	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			2
Q3787-01	MW-15B-42.5-120425	SVOC-SIMGroup1	890	6	RUPESH	ritesh	1	D		3
Q3787-02	MW-15B-42.5-120425-MS	SVOC-SIMGroup1	880	6	RUPESH	ritesh	1	D		4
Q3787-03	MW-15B-42.5-120425-MSD	SVOC-SIMGroup1	900	6	RUPESH	ritesh	1	D		5
Q3787-07	OWBR-02-170-120425	SVOC-SIMGroup1	910	6	RUPESH	ritesh	1	D		6
Q3787-09	OWBR-02-170-120425-FD	SVOC-SIMGroup1	940	6	RUPESH	ritesh	1	D		7
Q3787-11	OW-03B-51.5-120425	SVOC-SIMGroup1	950	6	RUPESH	ritesh	1	D		8
Q3787-13	OW-03B-51.5-120425-FD	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1	D		9
Q3787-15	OW-08B-72.5-120425	SVOC-SIMGroup1	980	6	RUPESH	ritesh	1	D		10
Q3787-17	OW-08B-72.5-120425-FD	SVOC-SIMGroup1	990	6	RUPESH	ritesh	1	D		11
Q3787-19	OW-02B-21.2-120425	SVOC-SIMGroup1	870	6	RUPESH	ritesh	1	D		12
Q3788-01	OWBR-05-135-120525	SVOC-SIMGroup1	870	11	RUPESH	ritesh	1	D		13
Q3788-02	OWBR-05-135-120525-MS	SVOC-SIMGroup1	970	11	RUPESH	ritesh	1	D		14
Q3788-03	OWBR-05-135-120525-MSD	SVOC-SIMGroup1	1000	11	RUPESH	ritesh	1	D		15
Q3788-07	OW-01B-66.5-120525	SVOC-SIMGroup1	920	6	RUPESH	ritesh	1	D		16
Q3788-09	TA-BR-05-465-120525	SVOC-SIMGroup1	980	11	RUPESH	ritesh	1	D		17
Q3788-11	MW-16B-87.5-120525	SVOC-SIMGroup1	960	11	RUPESH	ritesh	1	D		18

RJ
12/9

* **Extracts relinquished on the same date as received.**

12/8/25 8:52

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-(gcb)
Raw Sample Relinquished by:

Date/Time 12/8/25 9:30
Raw Sample Received by:
Raw Sample Relinquished by: RS (Ext-(gcb)

Q3787 70850

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

461 of 470

Date/Time 12/8/25 15:35
Raw Sample Received by: RS (Ext lab)
Raw Sample Relinquished by:

Date/Time 12/8/25 16:00
Raw Sample Received by:
Raw Sample Relinquished by: RS (Ext lab)

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

LAB CHRONICLE

OrderID:	Q3787	**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
Q3787-01	**MW-15B-42.5-120425**	**Water**			**12/04/25**			**12/04/25**
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/12/25	
Q3787-07	**OWBR-02-170-120425**	**Water**			**12/04/25**			**12/04/25**
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/11/25	
Q3787-09	**OWBR-02-170-120425-FD**	**Water**			**12/04/25**			**12/04/25**
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/11/25	
Q3787-11	**OW-03B-51.5-120425**	**Water**			**12/04/25**			**12/04/25**
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/11/25	
Q3787-13	**OW-03B-51.5-120425-FD**	**Water**			**12/04/25**			**12/04/25**
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/11/25	
Q3787-15	**OW-08B-72.5-120425**	**Water**			**12/04/25**			**12/04/25**
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/11/25	
Q3787-17	**OW-08B-72.5-120425-FD**	**Water**			**12/04/25**			**12/04/25**
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/11/25	
Q3787-19	**OW-02B-21.2-120425**	**Water**			**12/04/25**			**12/04/25**
			SVOC-SIMGroup1	8270-Modified		12/08/25	12/11/25	

SHIPPING DOCUMENTS

Alliance
TECHNICAL GROUP

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www.chemtech.net

ALLIANCE PROJECT NO. Q3787
QUOTE NO.
COC Number 2047321

8
8.1

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite# 100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yufanti
PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D4053176 LOCATION: Princeton Junct
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201) 936-0586 FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☒ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☐ EDD FORMAT

ANALYSIS

1. Site Specific VOCs (8260D - Low)
2. Trace VOCs, Site Spec (8260-SIM)
3. 1,4 Dioxane (8270E-SIM)
4.
5.
6.
7.
8.
9.

PRESERVATIVES

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	A/E 1	A/E 2	E 3	4	5	6	7	8	9	COMMENTS ← Specify Preservatives A-HCl B-HN03 C-H2SO4 D-NaOH E-ICE F-OTHER
1.	MW-15B-42.5-120425	GW		X	12/4/25	1105	15	X		X							MS/MSD
2.	MW-15B-42.5-120425-SIM	GW		X	12/4/25	1105	9		X								MS/MSD
3.	OWBR-02-170-120425	GW		X	12/4/25	1110	5	X		X							
4.	OWBR-02-170-120425-SIM	GW		X	12/4/25	1110	3		X								
5.	OWBR-02-170-120425-FD	GW		X	12/4/25	1115	5	X		X							
6.	OWBR-02-170-120425-SIM-FD	GW		X	12/4/25	1115	3		X								
7.	OW-03B-51.5-120425	GW		X	12/4/25	1125	5	X		X							
8.	OW-03B-51.5-120425-SIM	GW		X	12/4/25	1125	3		X								
9.	OW-03B-51.5-120425-FD	GW		X	12/4/25	~~1120~~ 1130	5	X		X							Time = 1130
10.	OW-03B-51.5-120425-SIM-FD	GW		X	12/4/25	~~1120~~ 1130	3		X								Time = 1130

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

RELINQUISHED BY SAMPLER: 1.	DATE/TIME: 1600 12-4-25	RECEIVED BY: 1. 1600 12-4-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1715 12-4-25	RECEIVED BY: 3. 17:45

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.6 °C
Comments: See work order for list of site specific VOCs.

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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284 Sheffield Street, Mountainside, NJ 07092
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www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3787
COC Number 2047329

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave suite #100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Infante
PHONE: (781) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC ATC
PROJECT NO.: D4033126 LOCATION: PrincetonJunction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@jacobs.com
PHONE: (201)936-0586 FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☒ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☐ EDD FORMAT

ANALYSIS

1 = Site specific VOCs (8260D-Low)
2 = Trace VOCs SIM (8260E-SIM)
3 = 1,4 Dioxane (8270E-SIM)
4 – 5 – 6 – 7 – 8 – 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	OW-08B-72.5-120425	GW		X	12/4/25	1140	5	X		X							
2.	OW-08B-72.5-120425-SIM	GW		X	12/4/25	1140	3		X								
3.	OW-08B-72.5-120425-FD	GW		X	12/4/25	1145	5	X		X							
4.	OW-08B-72.5-120425-SIM-FD	GW		X	12/4/25	1145	3		X								
5.	OW-02B-21.2-120425	GW		X	12/4/25	1445	5	X		X							
6.	OW-02B-21.2-120425-SIM	GW		X	12/4/25	1445	3		X								
7.	TB01-120425	DI		X	12/4/25	0800	4	X	X								
8.																	
9.																	
10.																	

PRESERVATIVES: A/E | A/E | E

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	12-4-25 1600	1. 12-4-25 1600
2.		2.
3.	12.4.25 1745	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2-4 °C
Comments: See work order for list of Site specific VOCs

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

17:45 AM

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3787 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 12/5/2025 7:44:00 AM
Project Name : Former Schlumberger STC
Receive DateTime : 12/4/2025 ~~3:45:00~~ 5:45 PM
Purchase Order :

Project Mgr :
Report Type : Level 3
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3787-01	MW-15B-42.5-120425	Water	12/04/2025	11:05					
					VOCMS Group3		8260-Low		10 Bus. Days
Q3787-02	MW-15B-42.5-120425-MS	Water	12/04/2025	11:05					
					VOCMS Group3		8260-Low		10 Bus. Days
Q3787-03	MW-15B-42.5-120425-MSD	Water	12/04/2025	11:05					
					VOCMS Group3		8260-Low		10 Bus. Days
~~Q3787-04~~	~~MW-15B-42.5-120425-SIM~~	~~Water~~	~~12/04/2025~~	~~11:05~~					
					~~VOC-SIM~~		~~SFAM_VOCSIM~~		~~10 Bus. Days~~
~~Q3787-05~~	~~MW-15B-42.5-120425-SIM-MS~~	~~Water~~	~~12/04/2025~~	~~11:05~~					
					~~VOC-SIM~~		~~SFAM_VOCSIM~~		~~10 Bus. Days~~
~~Q3787-06~~	~~MW-15B-42.5-120425-SIM-MSD~~	~~Water~~	~~12/04/2025~~	~~11:05~~					
					~~VOC-SIM~~		~~SFAM_VOCSIM~~		~~10 Bus. Days~~
Q3787-07	OWBR-02-170-120425	Water	12/04/2025	11:10					
					VOCMS Group3		8260-Low		10 Bus. Days
Q3787-08	OWBR-02-170-120425-SIM	Water	12/04/2025	11:10					

Alliance TECHNICAL GROUP
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LOGIN REPORT/SAMPLE TRANSFER

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Project Mgr :
Report Type : Level 3
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-SIM		SFAM_VOCSIM		10 Bus. Days
Q3787-09	OWBR-02-170-120425-FD	Water	12/04/2025	11:15					
					VOCMS Group3		8260-Low		10 Bus. Days
Q3787-10	OWBR-02-170-120425-SIM-FD	Water	12/04/2025	11:15					
					VOC-SIM		SFAM_VOCSIM		10 Bus. Days
Q3787-11	OW-03B-51.5-120425	Water	12/04/2025	11:25					
					VOCMS Group3		8260-Low		10 Bus. Days
Q3787-12	OW-03B-51.5-120425-SIM	Water	12/04/2025	11:25					
					VOC-SIM		SFAM_VOCSIM		10 Bus. Days
Q3787-13	OW-03B-51.5-120425-FD	Water	12/04/2025	11:30					
					VOCMS Group3		8260-Low		10 Bus. Days
Q3787-14	OW-03B-51.5-120425-SIM-FD	Water	12/04/2025	11:30					
					VOC-SIM		SFAM_VOCSIM		10 Bus. Days
Q3787-15	OW ~~OQ~~-08B-72.5-120425	Water	12/04/2025	11:40					
					VOCMS Group3		8260-Low		10 Bus. Days

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LOGIN REPORT/SAMPLE TRANSFER

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Invoice Contact : John Ynfante

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Project Name : Former Schlumberger STC
Receive DateTime : 12/4/2025 ~~3:45:00~~ PM 5:45
Purchase Order :

Project Mgr :
Report Type : Level 3
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3787-16	OW ~~OQ~~-08B-72.5-120425-SIM	Water	12/04/2025	11:40					
					VOC-SIM		SFAM_VOCSIM		10 Bus. Days
Q3787-17	OW ~~OQ~~-08B-72.5-120425-FD	Water	12/04/2025	11:45					
					VOCMS Group3		8260-Low		10 Bus. Days
Q3787-18	OW ~~OQ~~-08B-72.5-120425-SIM-FD	Water	12/04/2025	11:45					
					VOC-SIM		SFAM_VOCSIM		10 Bus. Days
Q3787-19	OW-02B-21.2-120425	Water	12/04/2025	14:45					
					VOCMS Group3		8260-Low		10 Bus. Days
Q3787-20	OW-02B-21.2-120425-SIM	Water	12/04/2025	14:45					
					VOC-SIM		SFAM_VOCSIM		10 Bus. Days
Q3787-21	TB01-120425	Water	12/04/2025	08:00					
					VOC-SIM		SFAM_VOCSIM		10 Bus. Days
Q3787-22	VHBLK001	Water	12/04/2025	17:45 ~~15:45~~	VOCMS Group3		8260-Low		10 Bus. Days
					VOC-SIM		SFAM_VOCSIM		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3787 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

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Receive DateTime : 12/4/2025 ~~3:45:00 PM~~ 5:45
Purchase Order :

Project Mgr :
Report Type : Level 3
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 12/5/25 9:45

Received By :
Date / Time : 05/05/25 9:45
Storage Area : VOA Refridgerator Room