

Hit Summary Sheet SW-846

SDG No.: Q3757

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	BR-03D-490-120325							
Q3757-03	BR-03D-490-12032	Water	Vinyl Chloride	3.90		0.26	1.00	ug/L
Q3757-03	BR-03D-490-12032	Water	1,1-Dichloroethene	48.1		0.23	1.00	ug/L
Q3757-03	BR-03D-490-12032	Water	1,1-Dichloroethane	6.40		0.23	1.00	ug/L
Q3757-03	BR-03D-490-12032	Water	cis-1,2-Dichloroethene	34.9		0.19	1.00	ug/L
Q3757-03	BR-03D-490-12032	Water	Benzene	0.23	J	0.15	1.00	ug/L
Q3757-03	BR-03D-490-12032	Water	1,2-Dichloroethane	3.70		0.22	1.00	ug/L
Q3757-03	BR-03D-490-12032	Water	Trichloroethene	35.1		0.090	1.00	ug/L
			Total Voc :	132				
			Total Concentration:	132				
Client ID:	RMW-05B-90.5-120325							
Q3757-07	RMW-05B-90.5-120	Water	1,1-Dichloroethane	1.50		0.23	1.00	ug/L
Q3757-07	RMW-05B-90.5-120	Water	cis-1,2-Dichloroethene	13.1		0.19	1.00	ug/L
Q3757-07	RMW-05B-90.5-120	Water	Trichloroethene	0.65	J	0.090	1.00	ug/L
			Total Voc :	15.3				
			Total Concentration:	15.3				
Client ID:	OW-05B-72-120325							
Q3757-09	OW-05B-72-12032	Water	1,1-Dichloroethene	0.85	J	0.23	1.00	ug/L
Q3757-09	OW-05B-72-12032	Water	cis-1,2-Dichloroethene	2.20		0.19	1.00	ug/L
Q3757-09	OW-05B-72-12032	Water	Trichloroethene	0.44	J	0.090	1.00	ug/L
			Total Voc :	3.49				
			Total Concentration:	3.49				
Client ID:	OW-05B-72-120325RE							
Q3757-09RE	OW-05B-72-12032	Water	1,1-Dichloroethene	0.60	J	0.23	1.00	ug/L
Q3757-09RE	OW-05B-72-12032	Water	cis-1,2-Dichloroethene	1.50		0.19	1.00	ug/L
Q3757-09RE	OW-05B-72-12032	Water	Trichloroethene	0.25	J	0.090	1.00	ug/L
			Total Voc :	2.35				
			Total Concentration:	2.35				



SAMPLE DATA

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: MW-14A-17.5-120325
 Lab Sample ID: Q3757-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/03/25
 Date Received: 12/03/25
 SDG No.: Q3757
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: BR-03D-490-120325
 Lab Sample ID: Q3757-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/03/25
 Date Received: 12/03/25
 SDG No.: Q3757
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

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

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Report of Analysis

Client: JACOBS Engineering Group, Inc.
Project: Former Schlumberger STC PTC Site D3868221
Client Sample ID: MW-14B-46-120325
Lab Sample ID: Q3757-05
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 12/03/25
Date Received: 12/03/25
SDG No.: Q3757
Matrix: Water
% Solid: 0
Test: VOCMS Group3

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

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Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: MW-14B-46-120325RE
 Lab Sample ID: Q3757-05RE
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/03/25
 Date Received: 12/03/25
 SDG No.: Q3757
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

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

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Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: RMW-05B-90.5-120325
 Lab Sample ID: Q3757-07
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/03/25
 Date Received: 12/03/25
 SDG No.: Q3757
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

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

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Report of Analysis

Client: JACOBS Engineering Group, Inc.
Project: Former Schlumberger STC PTC Site D3868221
Client Sample ID: OW-05B-72-120325
Lab Sample ID: Q3757-09
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 12/03/25
Date Received: 12/03/25
SDG No.: Q3757
Matrix: Water
% Solid: 0
Test: VOCMS Group3

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

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Report of Analysis

Client: JACOBS Engineering Group, Inc.
Project: Former Schlumberger STC PTC Site D3868221
Client Sample ID: OW-05B-72-120325RE
Lab Sample ID: Q3757-09RE
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 12/03/25
Date Received: 12/03/25
SDG No.: Q3757
Matrix: Water
% Solid: 0
Test: VOCMS Group3

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: EB01-120325
 Lab Sample ID: Q3757-11
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/03/25
 Date Received: 12/03/25
 SDG No.: Q3757
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: TB01-120325
 Lab Sample ID: Q3757-12
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/03/25
 Date Received: 12/03/25
 SDG No.: Q3757
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q3757**

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

Analytical Method: **SW8260-Low**

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

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q3757

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3757</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	Datafile :	<u>VN088443.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1204WBS01	Vinyl chloride	20	20.3	ug/L	102			70 (65)	130 (117)	
	1,1-Dichloroethene	20	20.4	ug/L	102			70 (74)	130 (110)	
	1,1-Dichloroethane	20	19.6	ug/L	98			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	19.0	ug/L	95			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	20.7	ug/L	104			70 (80)	130 (108)	
	Benzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.8	ug/L	104			70 (80)	130 (115)	
	Trichloroethene	20	18.3	ug/L	92			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	19.9	ug/L	100			70 (83)	130 (112)	
	Tetrachloroethene	20	18.1	ug/L	91			70 (67)	130 (123)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3757</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	Datafile :	<u>VN088444.D</u>

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3757 Analytical Method: SW8260-Low
Client: JACOBS Engineering Group, Inc. Datafile : VX048726.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1205WBS01	Vinyl chloride	20	16.1	ug/L	81			70 (65)	130 (117)	
	1,1-Dichloroethene	20	19.4	ug/L	97			70 (74)	130 (110)	
	1,1-Dichloroethane	20	20.1	ug/L	101			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			70 (80)	130 (108)	
	Benzene	20	18.7	ug/L	94			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.1	ug/L	101			70 (80)	130 (115)	
	Trichloroethene	20	19.0	ug/L	95			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	19.1	ug/L	96			70 (83)	130 (112)	
	Tetrachloroethene	20	17.6	ug/L	88			70 (67)	130 (123)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3757</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	Datafile :	<u>VX048745.D</u>

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

VOLATILE METHOD BLANK SUMMARY

Client ID

VN1204WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VN088439.D

Lab Sample ID: VN1204WBL01

Date Analyzed: 12/04/2025

Time Analyzed: 12:38

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

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

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1205WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VX048725.D

Lab Sample ID: VX1205WBL01

Date Analyzed: 12/05/2025

Time Analyzed: 10:34

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1205WBS01	VX1205WBS01	VX048726.D	12/05/2025
MW-14A-17.5-120325	Q3757-01	VX048731.D	12/05/2025
BR-03D-490-120325	Q3757-03	VX048732.D	12/05/2025
MW-14B-46-120325	Q3757-05	VX048733.D	12/05/2025
RMW-05B-90.5-120325	Q3757-07	VX048734.D	12/05/2025
OW-05B-72-120325	Q3757-09	VX048735.D	12/05/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1208WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VX048744.D

Lab Sample ID: VX1208WBL01

Date Analyzed: 12/08/2025

Time Analyzed: 11:15

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1208WBS01	VX1208WBS01	VX048745.D	12/08/2025
MW-14B-46-120325RE	Q3757-05RE	VX048747.D	12/08/2025
OW-05B-72-120325RE	Q3757-09RE	VX048748.D	12/08/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VN088343.D

BFB Injection Date: 11/24/2025

Instrument ID: MSVOA_N

BFB Injection Time: 08:17

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

Heated Purge: Y/N N

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

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN088344.D	11/24/2025	12:38
VSTDIC005	VSTDIC005	VN088345.D	11/24/2025	13:11
VSTDIC020	VSTDIC020	VN088346.D	11/24/2025	13:32
VSTDIC050	VSTDIC050	VN088347.D	11/24/2025	13:53
VSTDIC100	VSTDIC100	VN088348.D	11/24/2025	14:14
VSTDIC150	VSTDIC150	VN088349.D	11/24/2025	14:35

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VN088436.D

BFB Injection Date: 12/04/2025

Instrument ID: MSVOA_N

BFB Injection Time: 11:03

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

Heated Purge: Y/N N

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

1-Value is % mass 174

2-Value is % mass 176

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

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

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

Contract: JAC005
SDG NO.: Q3757
BFB Injection Date: 12/04/2025
BFB Injection Time: 08:15
Heated Purge: Y/N N

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

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX048714.D	12/04/2025	08:47
VSTDIC005	VSTDIC005	VX048715.D	12/04/2025	09:16
VSTDIC020	VSTDIC020	VX048716.D	12/04/2025	09:36
VSTDIC050	VSTDIC050	VX048717.D	12/04/2025	09:57
VSTDIC100	VSTDIC100	VX048718.D	12/04/2025	10:17
VSTDIC150	VSTDIC150	VX048719.D	12/04/2025	10:38

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VX048722.D

BFB Injection Date: 12/05/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:14

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.3
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	80.6
175	5.0 - 9.0% of mass 174	5.9 (7.3) 1
176	95.0 - 101.0% of mass 174	77.7 (96.4) 1
177	5.0 - 9.0% of mass 176	5.4 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3757

Lab File ID: VX048741.D

BFB Injection Date: 12/08/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:17

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

Heated Purge: Y/N N

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

1-Value is % mass 174

2-Value is % mass 176

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005
 Lab Code: ACE SDG NO.: Q3757
 Lab File ID: VN088437.D Date Analyzed: 12/04/2025
 Instrument ID: MSVOA_N Time Analyzed: 11:44
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

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

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3757</u>
Lab File ID:	<u>VN088437.D</u>	Date Analyzed:	<u>12/04/2025</u>
Instrument ID:	<u>MSVOA_N</u>	Time Analyzed:	<u>11:44</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

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

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005
 Lab Code: ACE SDG NO.: Q3757
 Lab File ID: VX048723.D Date Analyzed: 12/05/2025
 Instrument ID: MSVOA_X Time Analyzed: 08:45
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	218600	5.53	333007	6.74	285113	10.04
UPPER LIMIT	437200	6.025	666014	7.239	570226	10.537
LOWER LIMIT	109300	5.025	166504	6.239	142557	9.537
EPA SAMPLE NO.						
MW-14A-17.5-120325	176619	5.53	302604	6.74	274042	10.04
BR-03D-490-120325	163180	5.54	280929	6.75	230844	10.04
MW-14B-46-120325	161591	5.54	286549	6.75	220300	10.04
RMW-05B-90.5-120325	132392	5.54	222932	6.75	207009	10.04
OW-05B-72-120325	129477	5.54	275147	6.75	208806	10.04
VX1205WBL01	193187	5.53	291151	6.74	294164	10.04
VX1205WBS01	179194	5.53	293931	6.74	269397	10.04

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3757</u>
Lab File ID:	<u>VX048723.D</u>	Date Analyzed:	<u>12/05/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>08:45</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

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

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005
 Lab Code: ACE SDG NO.: Q3757
 Lab File ID: VX048742.D Date Analyzed: 12/08/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:20
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	174813	5.53	271670	6.74	259893	10.04
UPPER LIMIT	349626	6.031	543340	7.239	519786	10.537
LOWER LIMIT	87406.5	5.031	135835	6.239	129947	9.537
EPA SAMPLE NO.						
MW-14B-46-120325RE	124903	5.54	299763	6.75	268328	10.04
OW-05B-72-120325RE	169111	5.54	409831	6.74	413547	10.04
VX1208WBL01	173343	5.53	340953	6.74	370451	10.04
VX1208WBS01	178446	5.53	298973	6.74	311271	10.04

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>JACO05</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3757</u>
Lab File ID:	<u>VX048742.D</u>	Date Analyzed:	<u>12/08/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>09:20</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

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

IS4 = 1,4-Dichlorobenzene-d4

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

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



QC SAMPLE DATA

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VN1204WBL01
 Lab Sample ID: VN1204WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3757
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VX1205WBL01
 Lab Sample ID: VX1205WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3757
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VX1208WBL01
 Lab Sample ID: VX1208WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3757
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/08/25 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



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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
Project: Former Schlumberger STC PTC Site D3868221
Client Sample ID: VN1204WBS01
Lab Sample ID: VN1204WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3757
Matrix: Water
% Solid: 0
Test: VOCMS Group3

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

U = Not Detected

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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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VX1205WBS01
 Lab Sample ID: VX1205WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3757
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

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

U = Not Detected

LOQ = Limit of Quantitation

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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



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

Report of Analysis

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

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3757
Matrix: Water
% Solid: 0
Test: VOCMS Group3

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

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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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VN1204WBSD01
 Lab Sample ID: VN1204WBSD01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3757
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>JAC005</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3757</u>
Instrument ID: <u>MSVOA_N</u>	Calibration Date(s): <u>11/24/2025</u> <u>11/24/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>12:38</u> <u>14:35</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID:		RRF001 = VN088344.D		RRF005 = VN088345.D		RRF020 = VN088346.D		
		RRF050 = VN088347.D		RRF100 = VN088348.D		RRF150 = VN088349.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Vinyl Chloride	0.804	0.844	0.856	0.812	0.837	0.772	0.821	3.8
1,1-Dichloroethene	0.722	0.620	0.601	0.568	0.595	0.554	0.610	9.8
1,1-Dichloroethane	1.389	1.431	1.348	1.427	1.321	1.286	1.367	4.3
cis-1,2-Dichloroethene	0.797	0.801	0.794	0.829	0.747	0.744	0.785	4.2
1,1,1-Trichloroethane	1.247	1.219	1.192	1.158	1.166	1.104	1.181	4.3
Benzene	1.658	1.555	1.609	1.559	1.559	1.477	1.570	3.9
1,2-Dichloroethane	0.583	0.614	0.596	0.615	0.597	0.587	0.599	2.3
Trichloroethene	0.382	0.385	0.383	0.357	0.371	0.348	0.371	4.1
1,1,2-Trichloroethane	0.350	0.359	0.364	0.353	0.341	0.336	0.351	3
Tetrachloroethene	0.426	0.388	0.413	0.377	0.407	0.367	0.396	5.7
1,2-Dichloroethane-d4		0.954	0.916	0.999	0.882	0.960	0.942	4.7
Dibromofluoromethane		0.361	0.350	0.350	0.334	0.337	0.346	3.2
Toluene-d8		1.249	1.292	1.285	1.308	1.313	1.289	2
4-Bromofluorobenzene		0.402	0.413	0.448	0.466	0.482	0.442	7.7

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>JAC005</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3757</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>12/04/2025</u> <u>12/04/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>08:47</u> <u>10:38</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF001 = VX048714.D		RRF005 = VX048715.D		RRF020 = VX048716.D		
		RRF050 = VX048717.D		RRF100 = VX048718.D		RRF150 = VX048719.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Vinyl Chloride	0.704	0.624	0.667	0.709	0.700	0.704	0.685	4.9
1,1-Dichloroethene	0.607	0.533	0.560	0.601	0.584	0.598	0.581	4.9
1,1-Dichloroethane	1.208	0.803	1.038	0.910	1.223	0.914	1.016	16.9
cis-1,2-Dichloroethene	0.776	0.559	0.634	0.629	0.785	0.630	0.669	13.6
1,1,1-Trichloroethane	1.091	0.859	0.955	0.912	1.013	1.023	0.975	8.6
Benzene	1.508	1.396	1.314	1.323	1.402	1.444	1.398	5.2
1,2-Dichloroethane	0.554	0.497	0.439	0.452	0.525	0.502	0.495	8.7
Trichloroethene	0.387	0.340	0.363	0.367	0.345	0.387	0.365	5.4
1,1,2-Trichloroethane	0.359	0.316	0.325	0.378	0.310	0.347	0.339	7.9
Tetrachloroethene	0.383	0.367	0.358	0.353	0.315	0.410	0.364	8.8
1,2-Dichloroethane-d4		0.677	0.618	0.578	0.787	0.695	0.671	11.9
Dibromofluoromethane		0.316	0.359	0.334	0.355	0.357	0.344	5.4
Toluene-d8		1.281	1.161	1.312	1.051	1.228	1.207	8.6
4-Bromofluorobenzene		0.416	0.418	0.459	0.397	0.391	0.416	6.4

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3757</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>12/04/2025 11:44</u>
Lab File ID:	<u>VN088437.D</u>	Init. Calib. Date(s):	<u>11/24/2025 11/24/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:38 14:35</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3757</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>12/05/2025</u> <u>08:45</u>
Lab File ID:	<u>VX048723.D</u>	Init. Calib. Date(s):	<u>12/04/2025</u> <u>12/04/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>08:47</u> <u>10:38</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3757</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>12/08/2025</u> <u>09:20</u>
Lab File ID:	<u>VX048742.D</u>	Init. Calib. Date(s):	<u>12/04/2025</u> <u>12/04/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>08:47</u> <u>10:38</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

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

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



SAMPLE RAW DATA

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

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

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

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

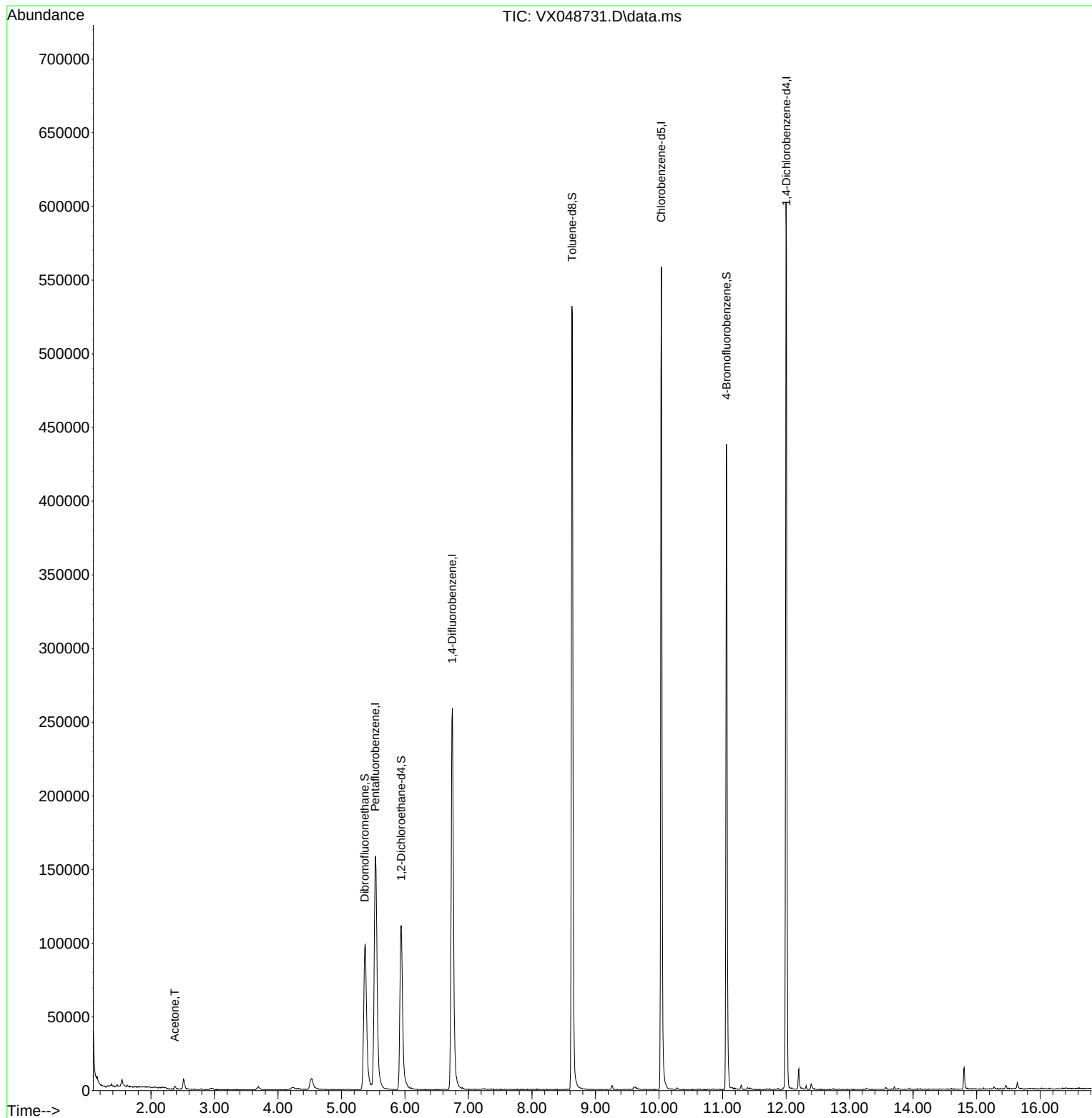
Internal Standards						
1) Pentafluorobenzene	5.531	168	176619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	302604	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	274042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4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

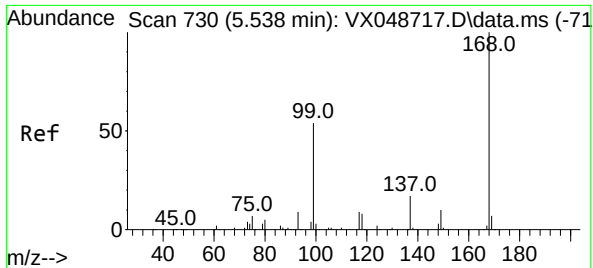
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

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

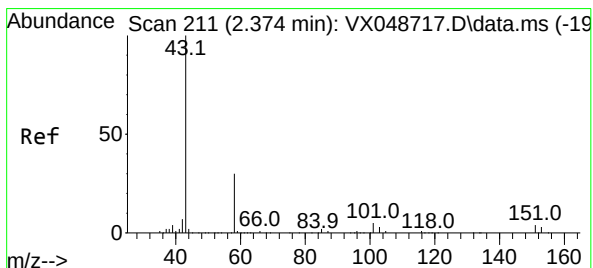
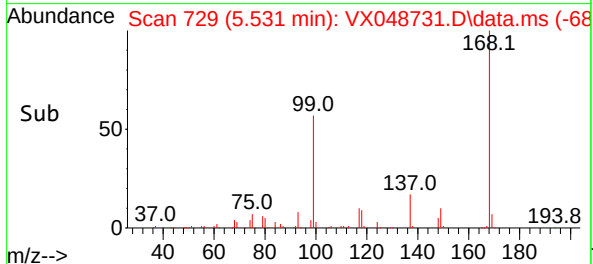
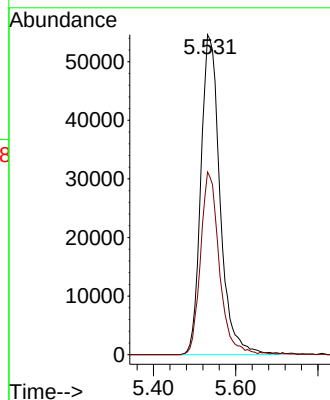
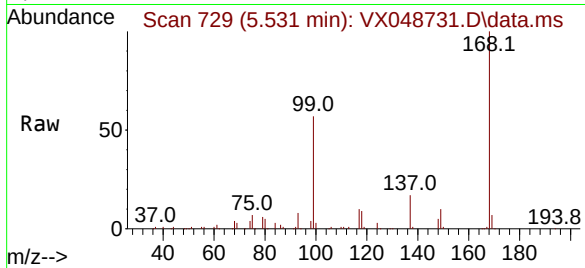




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048731.D
Acq: 05 Dec 2025 13:32

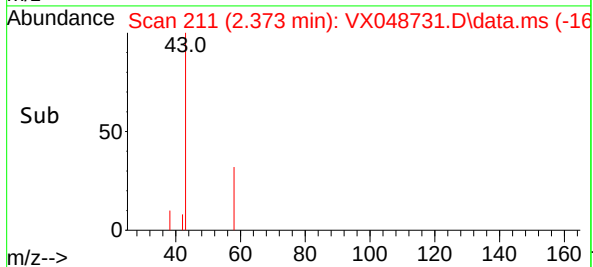
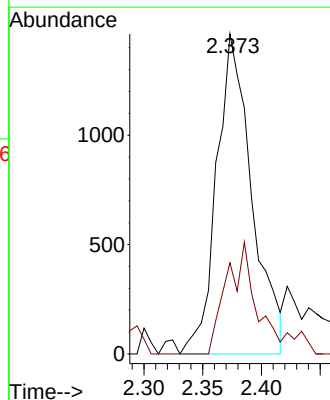
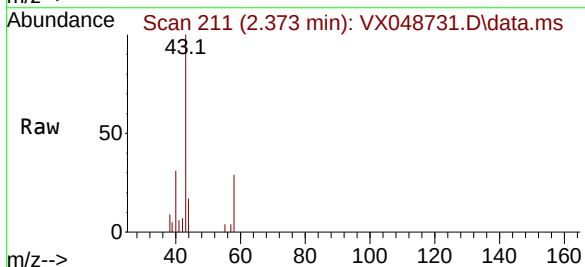
Instrument :
MSVOA_X
ClientSampleId :
MW-14A-17.5-120325

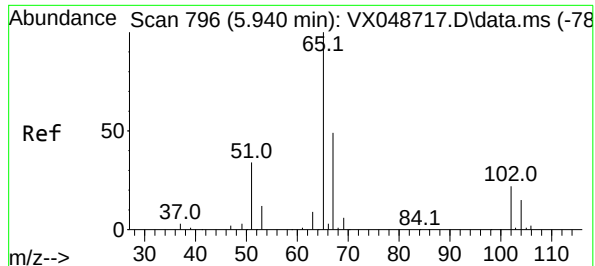
Tgt Ion:168 Resp: 176619
Ion Ratio Lower Upper
168 100
99 57.1 44.2 66.4



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

Tgt Ion: 43 Resp: 3056
Ion Ratio Lower Upper
43 100
58 28.5 25.0 37.4





#33

1,2-Dichloroethane-d4

Concen: 52.383 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048731.D

Acq: 05 Dec 2025 13:32

Instrument :

MSVOA_X

ClientSampleId :

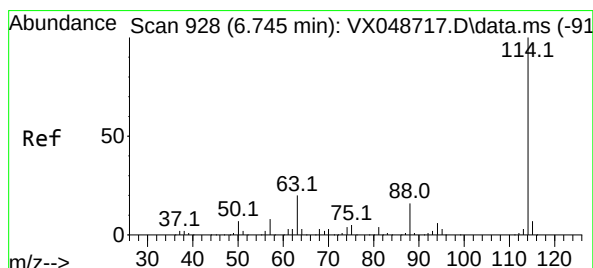
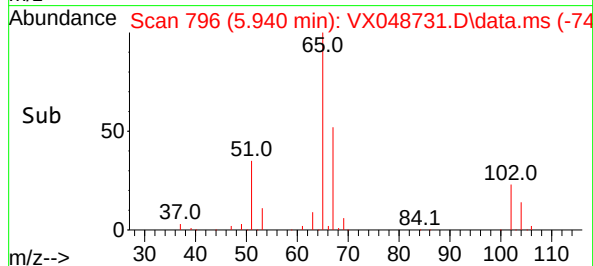
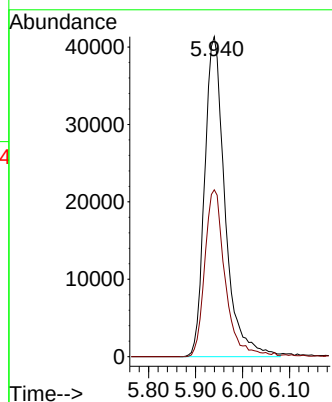
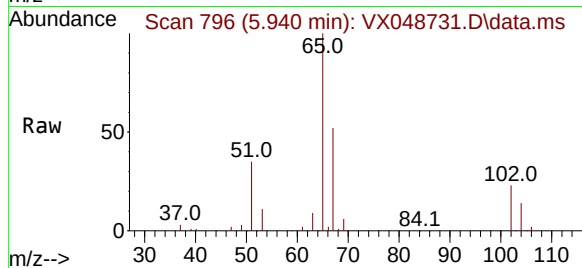
MW-14A-17.5-120325

Tgt Ion: 65 Resp: 124177

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.744 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048731.D

Acq: 05 Dec 2025 13:32

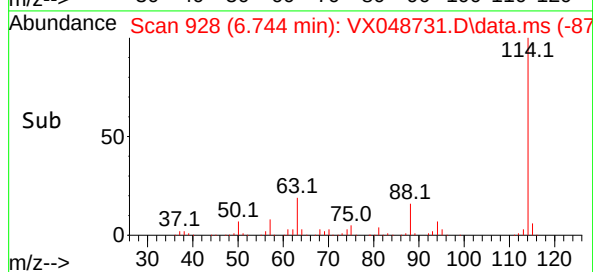
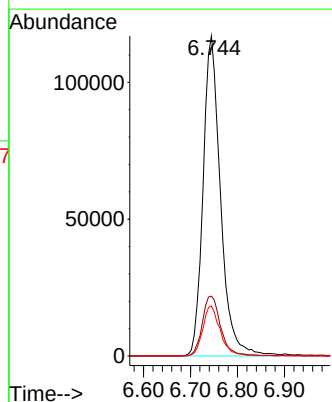
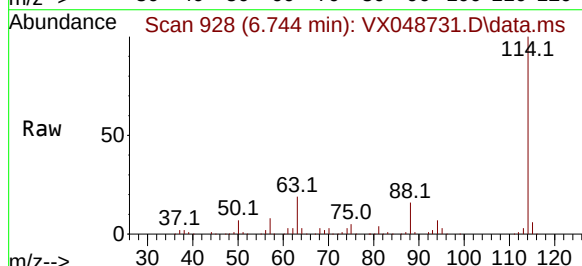
Tgt Ion: 114 Resp: 302604

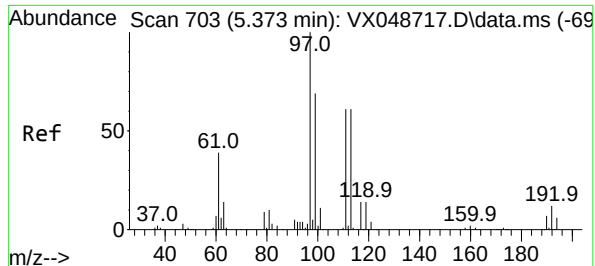
Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.0

88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.503 ug/l

RT: 5.367 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX048731.D

Acq: 05 Dec 2025 13:32

Instrument :

MSVOA_X

ClientSampleId :

MW-14A-17.5-120325

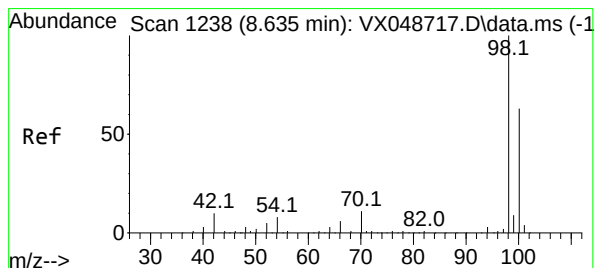
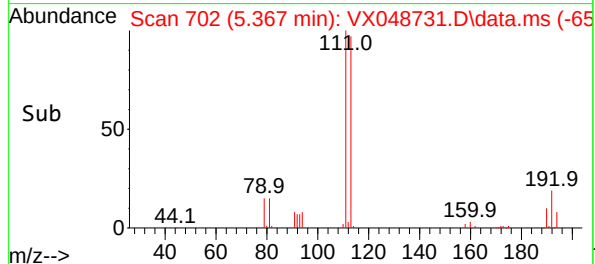
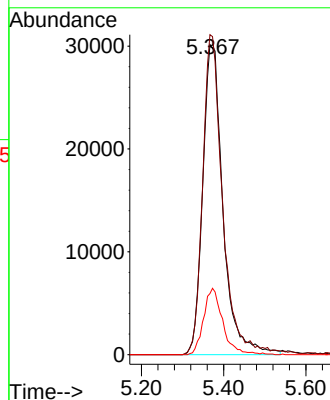
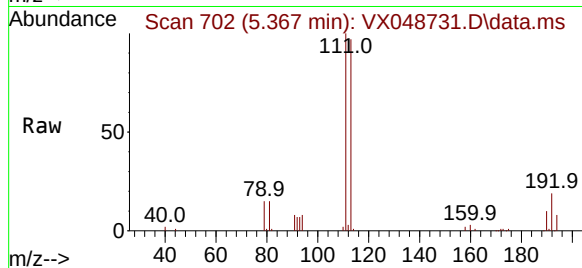
Tgt Ion:113 Resp: 103142

Ion Ratio Lower Upper

113 100

111 102.1 79.5 119.3

192 20.2 16.1 24.1



#50

Toluene-d8

Concen: 48.654 ug/l

RT: 8.628 min Scan# 1237

Delta R.T. -0.006 min

Lab File: VX048731.D

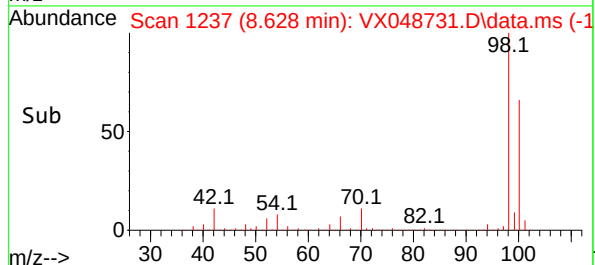
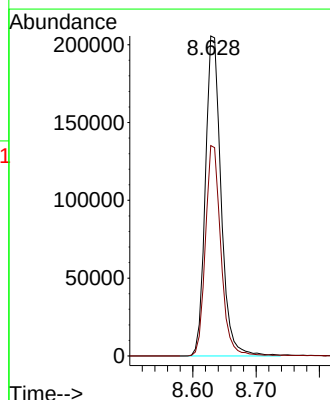
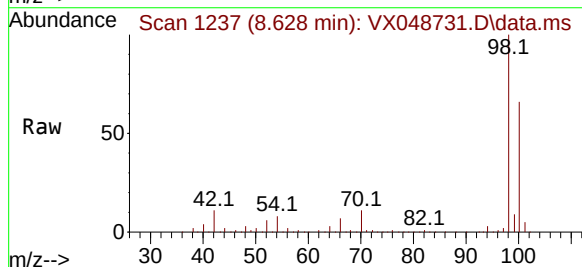
Acq: 05 Dec 2025 13:32

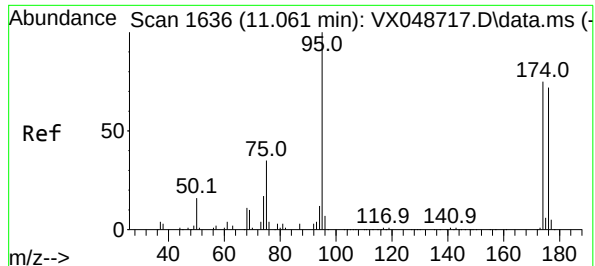
Tgt Ion: 98 Resp: 355343

Ion Ratio Lower Upper

98 100

100 65.2 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 49.979 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048731.D

Acq: 05 Dec 2025 13:32

Instrument :

MSVOA_X

ClientSampleId :

MW-14A-17.5-120325

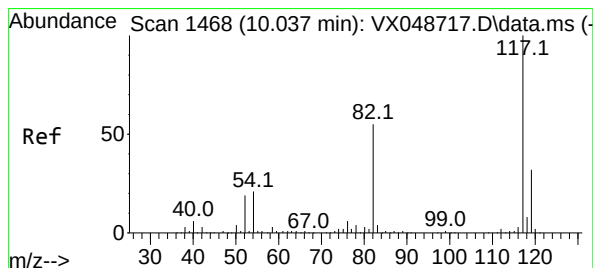
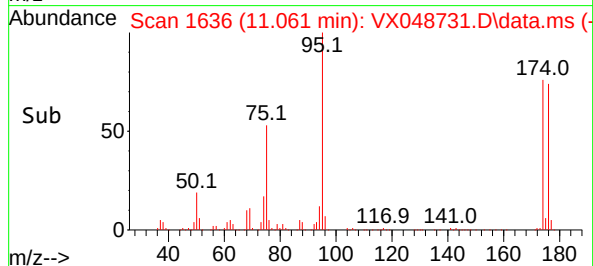
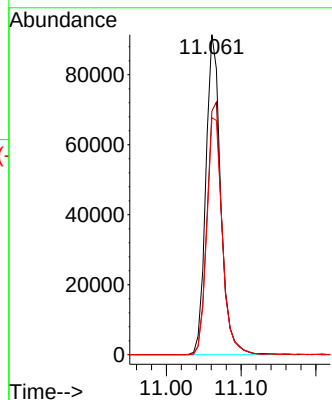
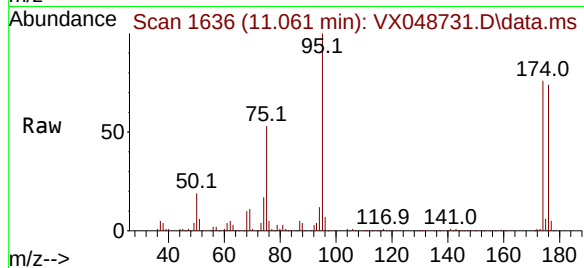
Tgt Ion: 95 Resp: 125871

Ion Ratio Lower Upper

95 100

174 80.3 0.0 157.8

176 77.3 0.0 154.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048731.D

Acq: 05 Dec 2025 13:32

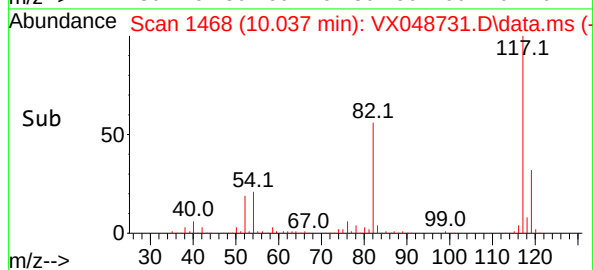
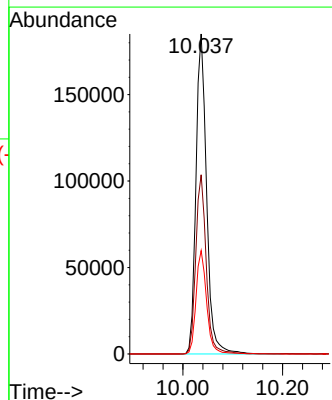
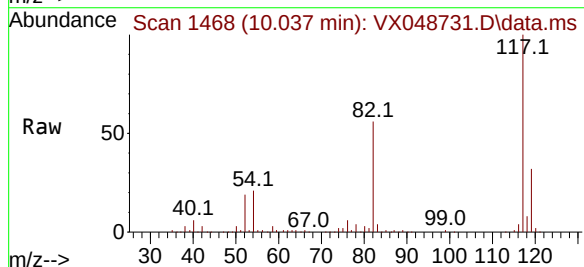
Tgt Ion: 117 Resp: 274042

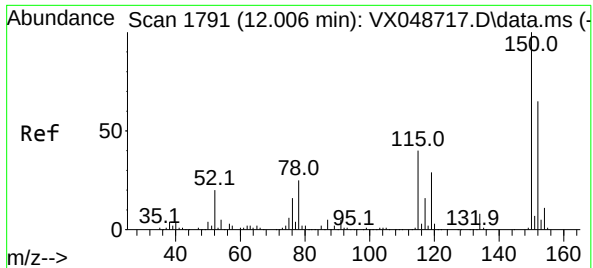
Ion Ratio Lower Upper

117 100

82 56.0 44.1 66.1

119 32.3 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048731.D

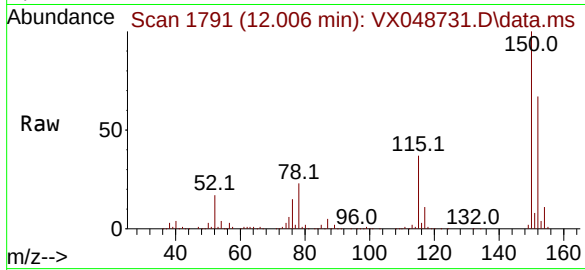
Acq: 05 Dec 2025 13:32

Instrument :

MSVOA_X

ClientSampleId :

MW-14A-17.5-120325



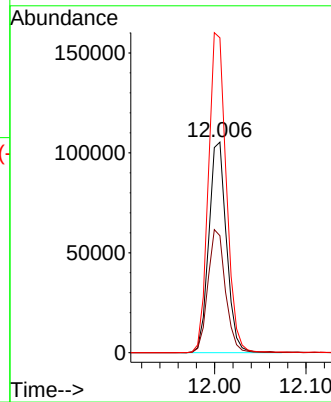
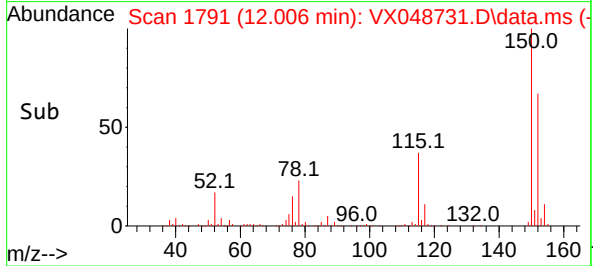
Tgt Ion:152 Resp: 141373

Ion Ratio Lower Upper

152 100

115 58.1 42.1 126.4

150 154.1 0.0 347.8



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

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

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

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

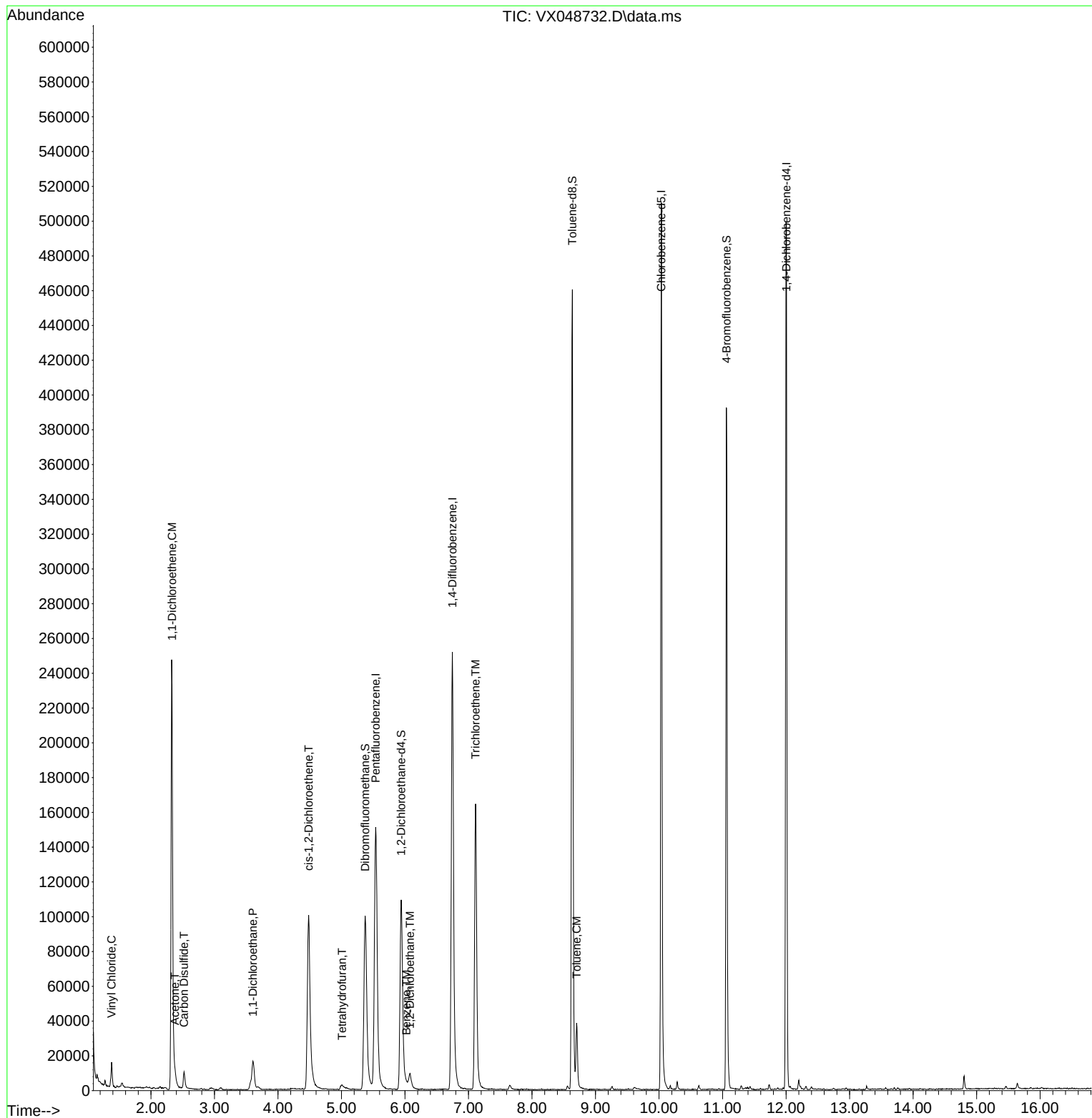
Internal Standards						
1) Pentafluorobenzene	5.538	168	163180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	280929	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	230844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4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

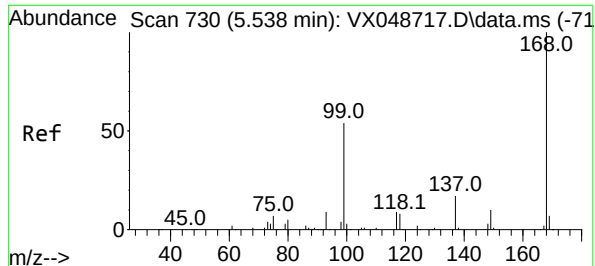
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

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

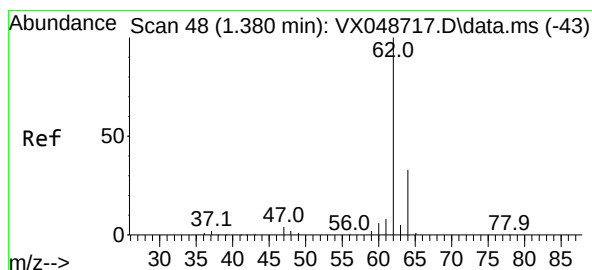
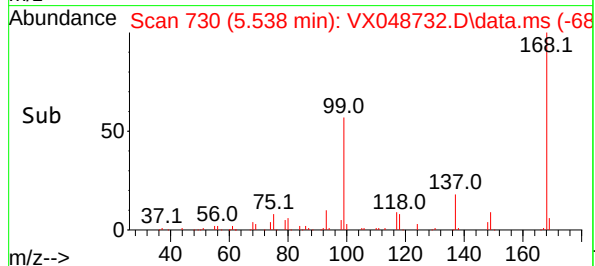
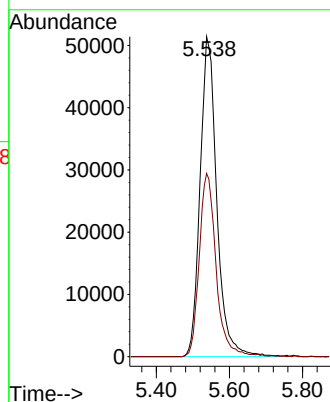
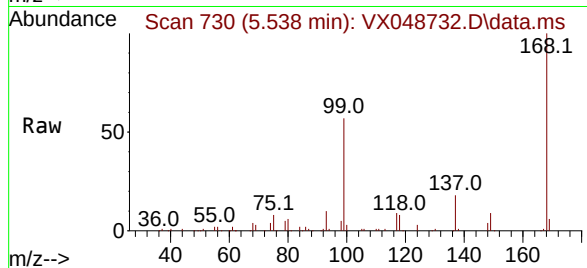




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

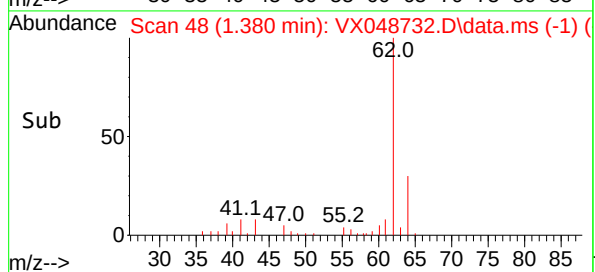
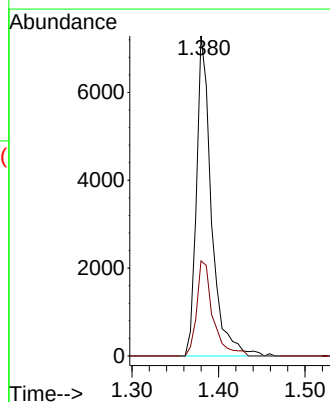
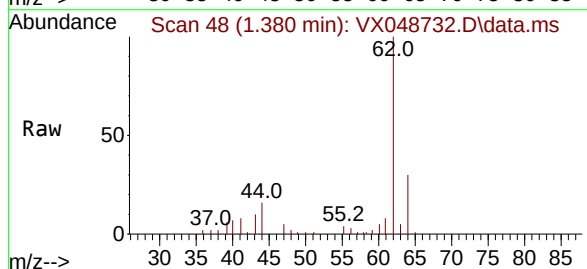
Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

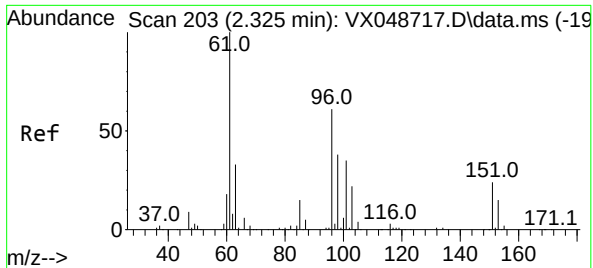
Tgt Ion:168 Resp: 163180
Ion Ratio Lower Upper
168 100
99 57.3 44.2 66.4



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

Tgt Ion: 62 Resp: 8761
Ion Ratio Lower Upper
62 100
64 29.7 26.0 39.0





#12

1,1-Dichloroethene

Concen: 48.143 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.006 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

BR-03D-490-120325

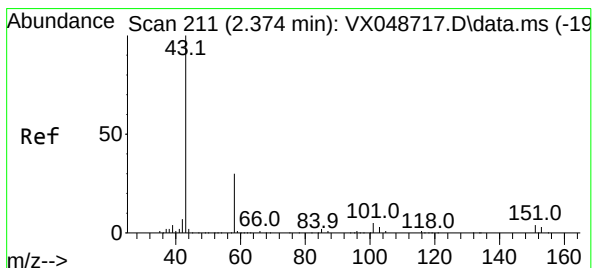
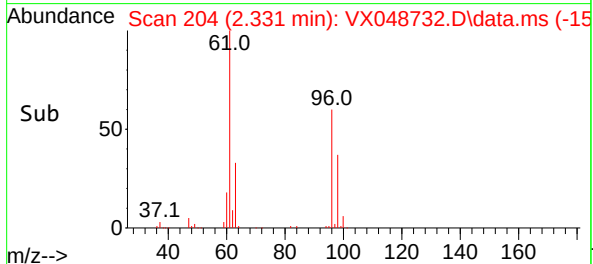
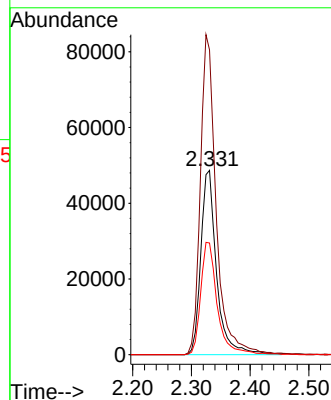
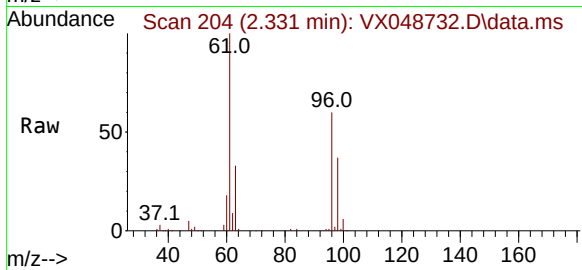
Tgt Ion: 96 Resp: 91225

Ion Ratio Lower Upper

96 100

61 165.4 130.7 196.1

98 60.6 49.8 74.8



#16

Acetone

Concen: 2.848 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX048732.D

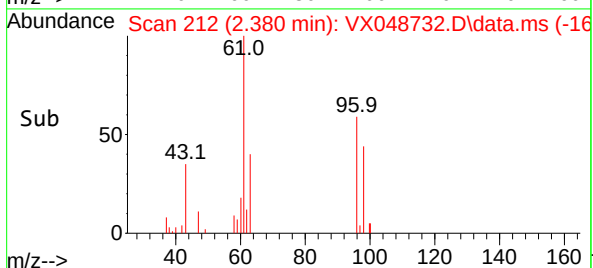
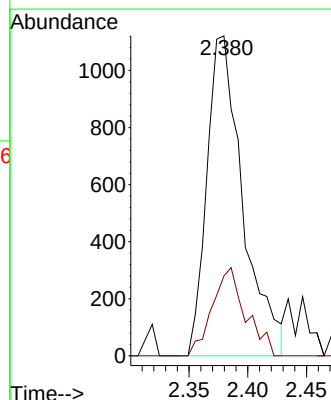
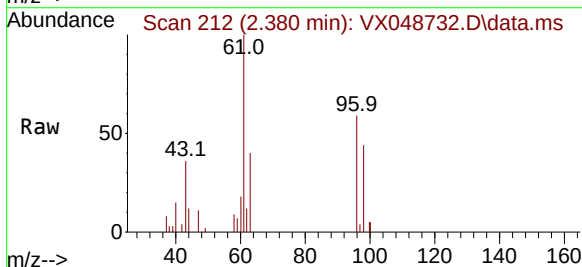
Acq: 05 Dec 2025 13:53

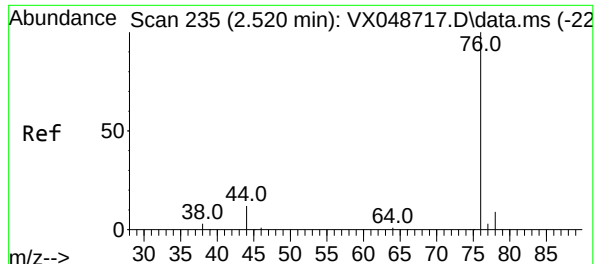
Tgt Ion: 43 Resp: 2388

Ion Ratio Lower Upper

43 100

58 25.0 25.0 37.4





#17

Carbon Disulfide

Concen: 2.690 ug/l

RT: 2.520 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

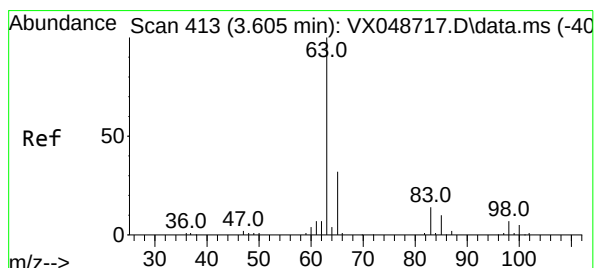
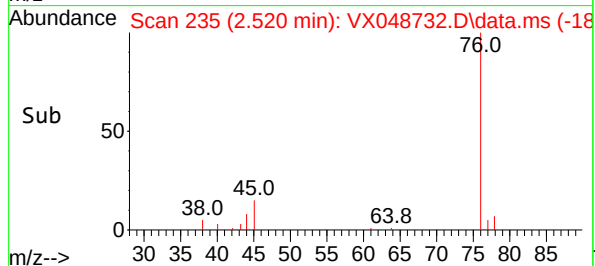
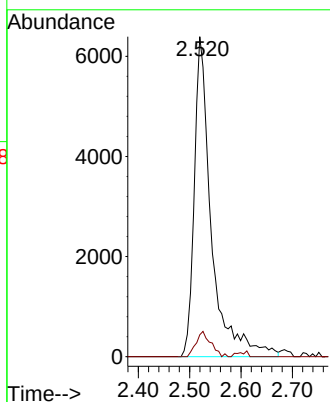
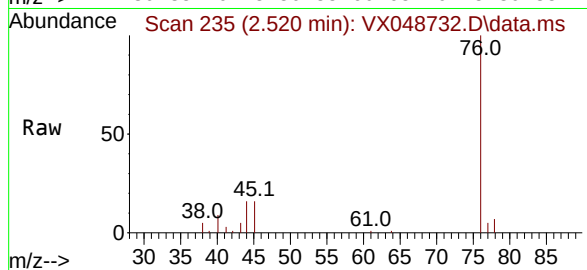
BR-03D-490-120325

Tgt Ion: 76 Resp: 14803

Ion Ratio Lower Upper

76 100

78 6.8 7.4 11.2#



#24

1,1-Dichloroethane

Concen: 6.432 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

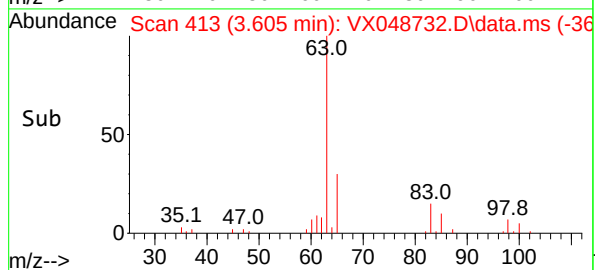
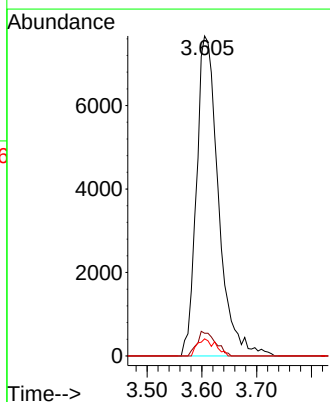
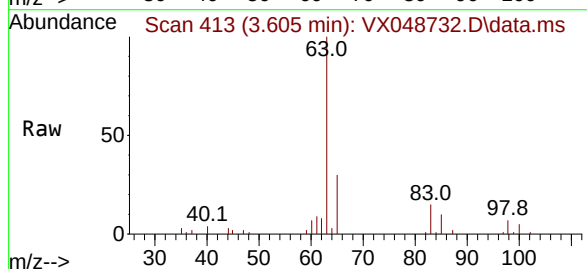
Tgt Ion: 63 Resp: 21327

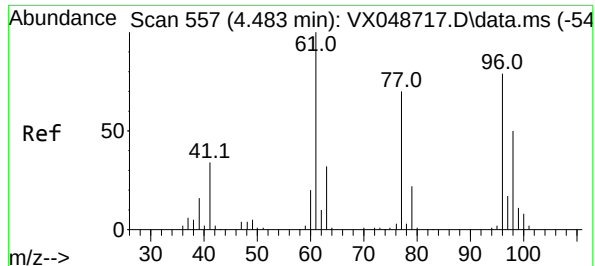
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

100 5.4 2.5 7.4





#27

cis-1,2-Dichloroethene

Concen: 34.939 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

BR-03D-490-120325

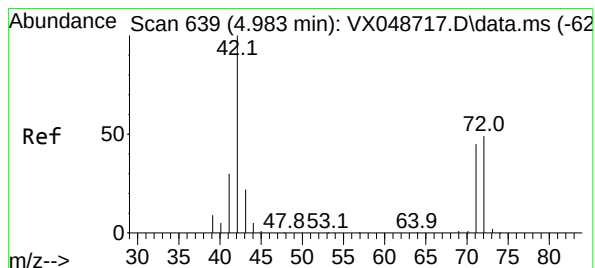
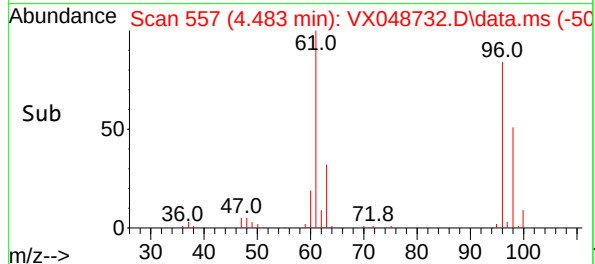
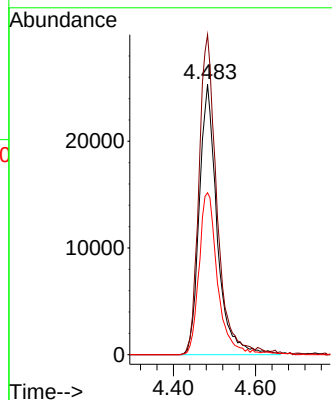
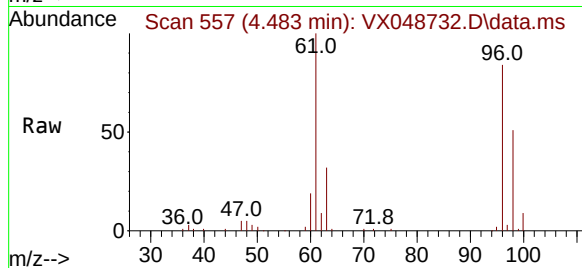
Tgt Ion: 96 Resp: 76248

Ion Ratio Lower Upper

96 100

61 118.2 0.0 271.0

98 62.0 0.0 130.2



#29

Tetrahydrofuran

Concen: 3.085 ug/l

RT: 5.007 min Scan# 643

Delta R.T. 0.024 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

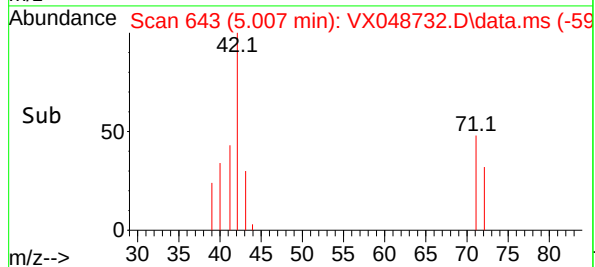
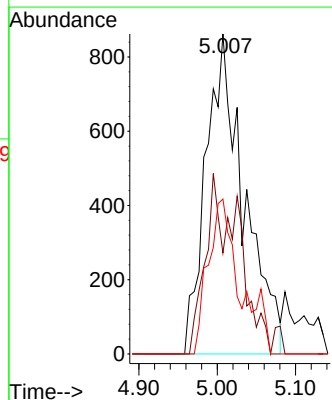
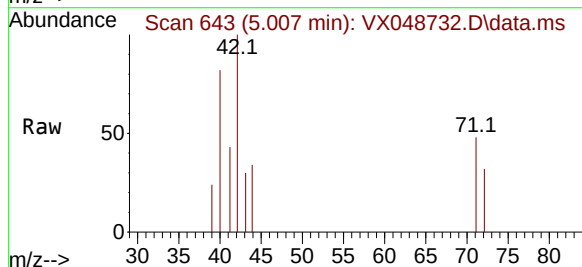
Tgt Ion: 42 Resp: 2915

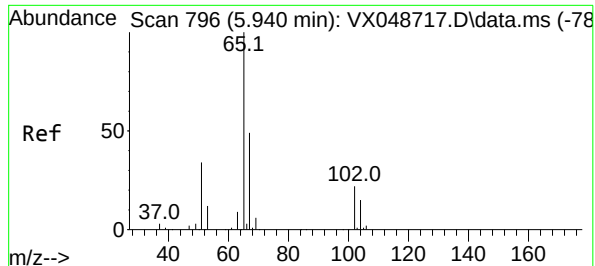
Ion Ratio Lower Upper

42 100

72 24.0 39.4 59.2#

71 40.5 35.8 53.6





#33

1,2-Dichloroethane-d4

Concen: 55.082 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

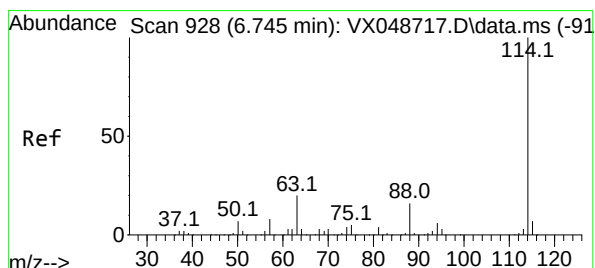
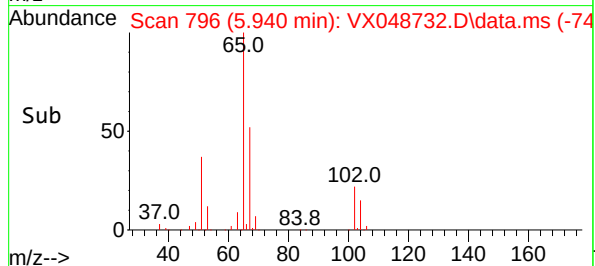
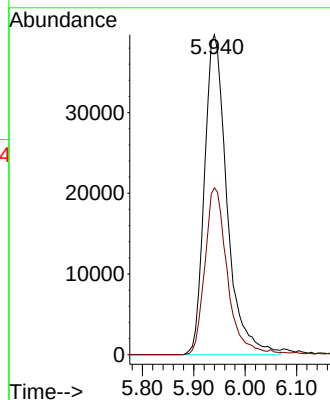
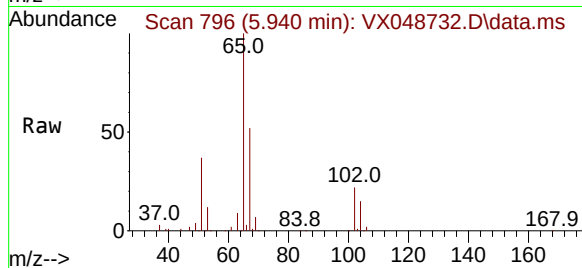
BR-03D-490-120325

Tgt Ion: 65 Resp: 120640

Ion Ratio Lower Upper

65 100

67 51.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

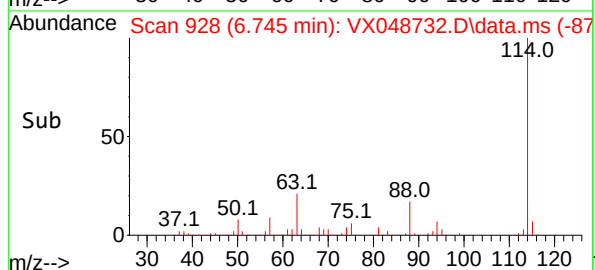
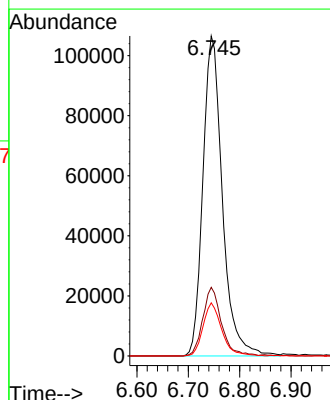
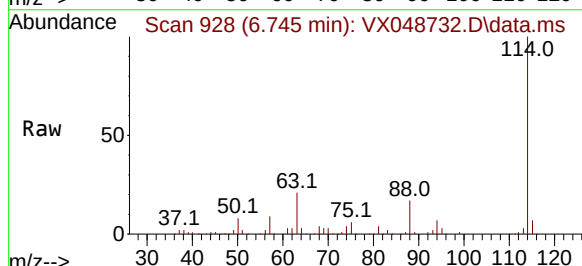
Tgt Ion: 114 Resp: 280929

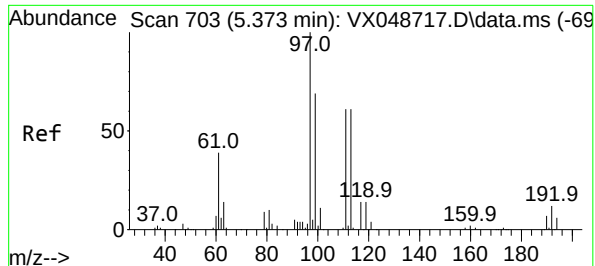
Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.0

88 16.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.809 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048732.D

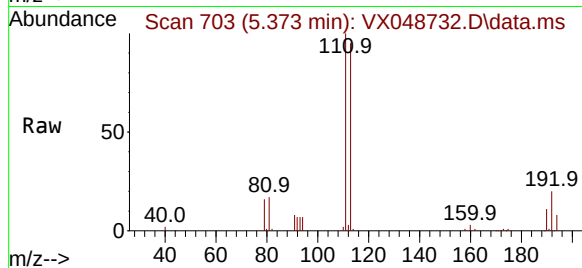
Acq: 05 Dec 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

BR-03D-490-120325



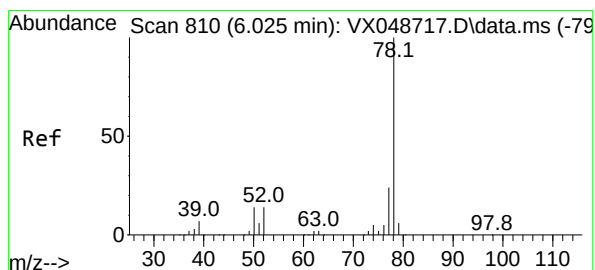
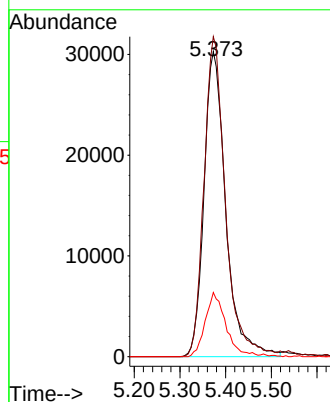
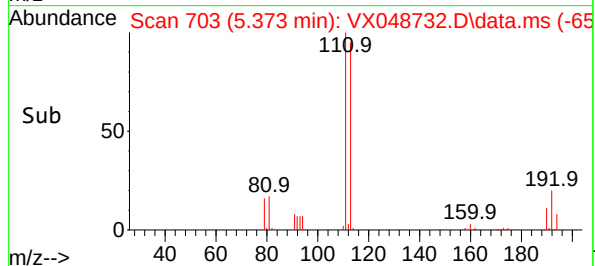
Tgt Ion:113 Resp: 100214

Ion Ratio Lower Upper

113 100

111 102.9 79.5 119.3

192 19.9 16.1 24.1



#40

Benzene

Concen: 0.225 ug/l

RT: 6.019 min Scan# 809

Delta R.T. -0.006 min

Lab File: VX048732.D

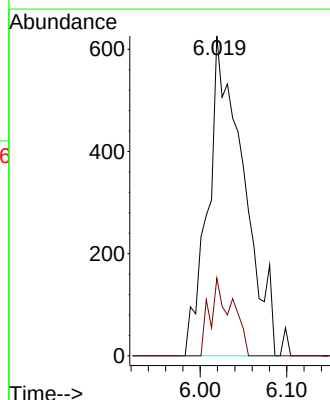
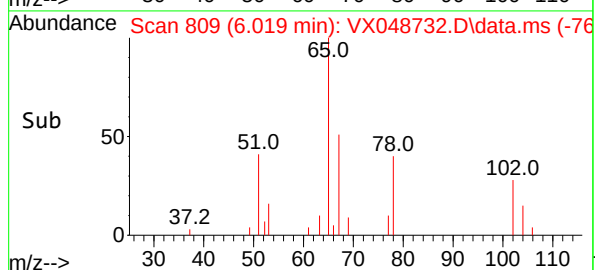
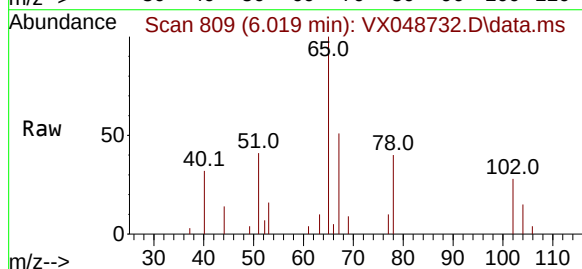
Acq: 05 Dec 2025 13:53

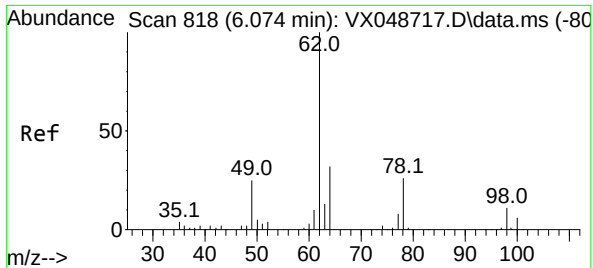
Tgt Ion: 78 Resp: 1766

Ion Ratio Lower Upper

78 100

77 24.3 18.8 28.2





#42

1,2-Dichloroethane

Concen: 3.732 ug/l

RT: 6.080 min Scan# 818

Delta R.T. 0.006 min

Lab File: VX048732.D

Acq: 05 Dec 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

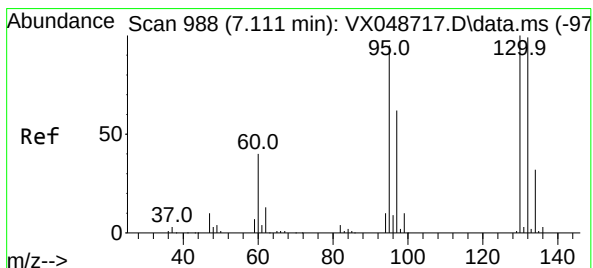
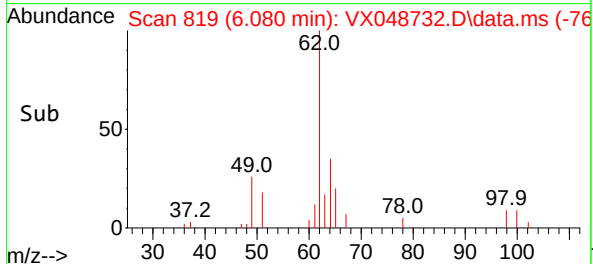
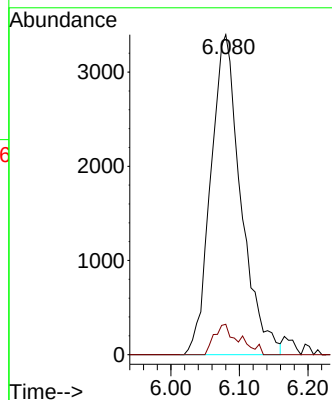
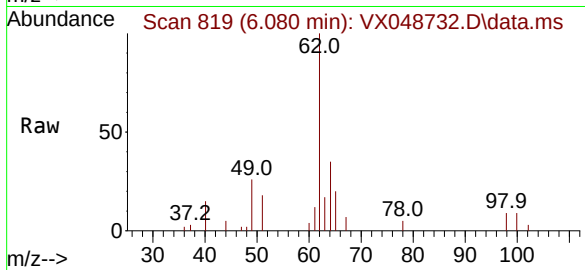
BR-03D-490-120325

Tgt Ion: 62 Resp: 10373

Ion Ratio Lower Upper

62 100

98 7.8 0.0 20.2



#44

Trichloroethene

Concen: 35.143 ug/l

RT: 7.110 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX048732.D

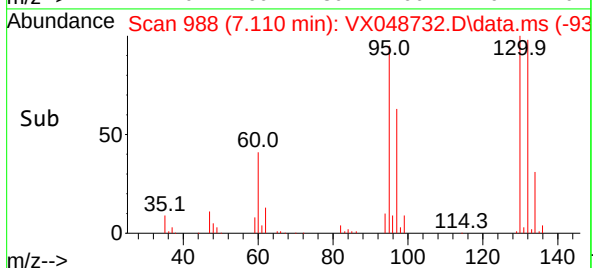
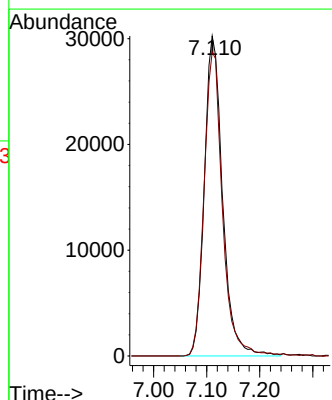
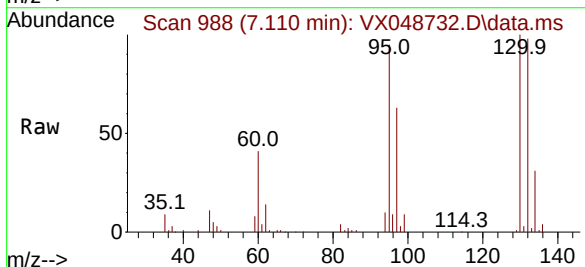
Acq: 05 Dec 2025 13:53

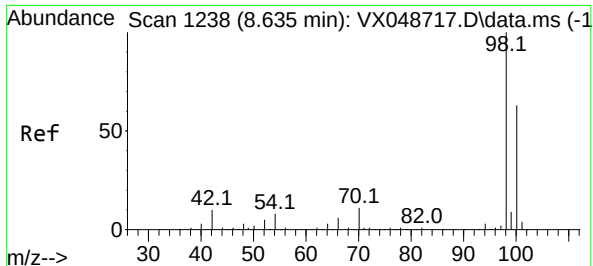
Tgt Ion:130 Resp: 72016

Ion Ratio Lower Upper

130 100

95 95.0 0.0 189.6

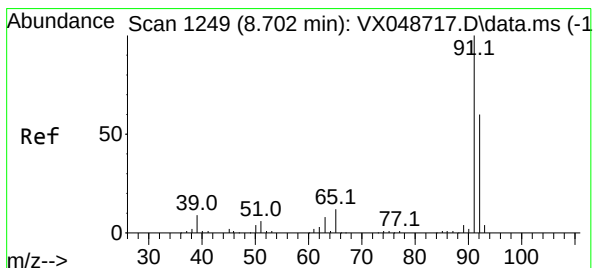
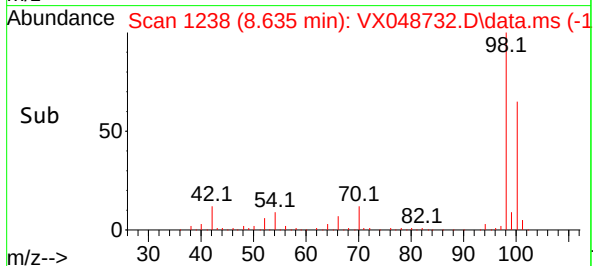
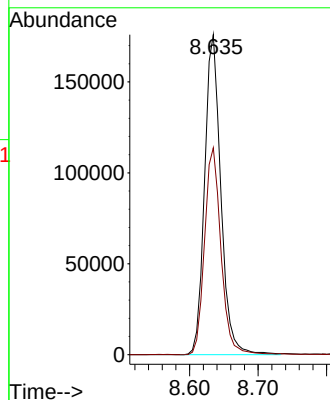
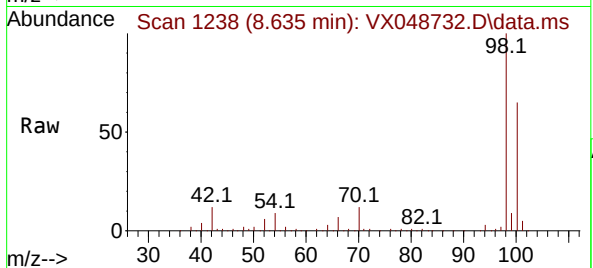




#50
Toluene-d8
Concen: 42.868 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

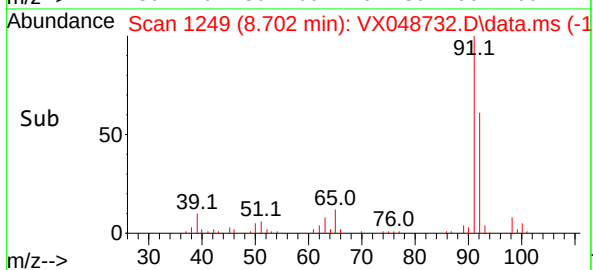
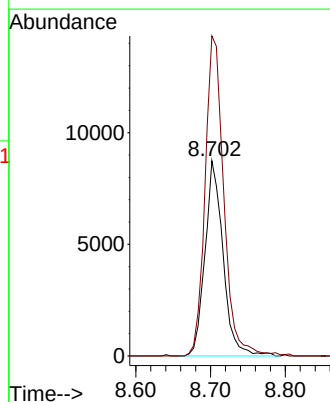
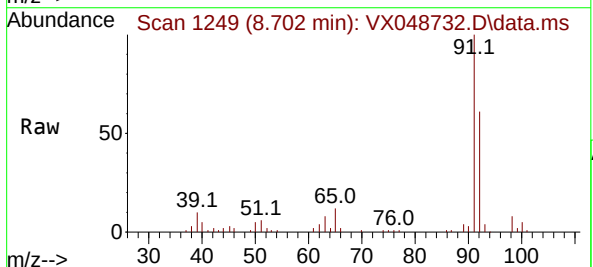
Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

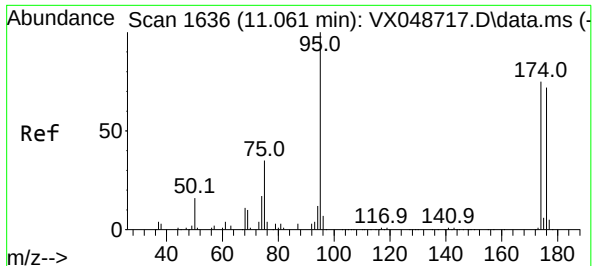
Tgt Ion: 98 Resp: 290658
Ion Ratio Lower Upper
98 100
100 65.3 53.4 80.0



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

Tgt Ion: 92 Resp: 14719
Ion Ratio Lower Upper
92 100
91 169.9 136.3 204.5

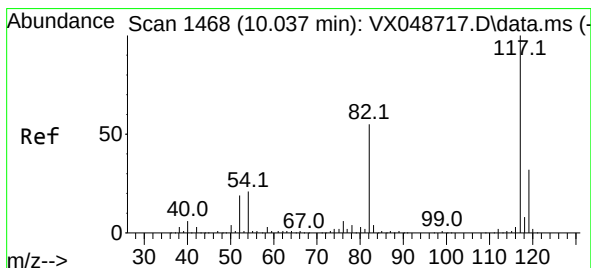
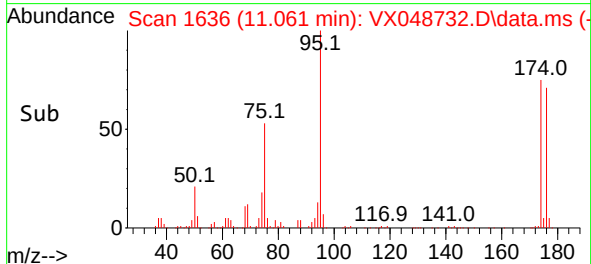
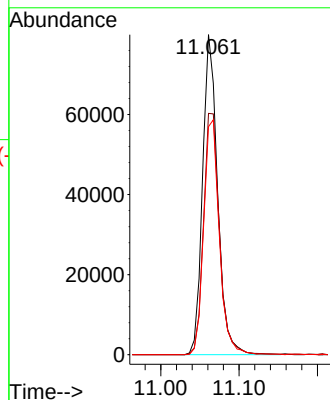
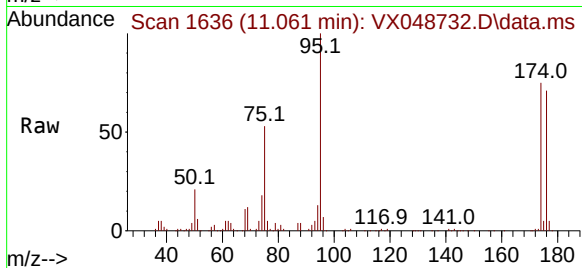




#62
4-Bromofluorobenzene
Concen: 45.533 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048732.D
Acq: 05 Dec 2025 13:53

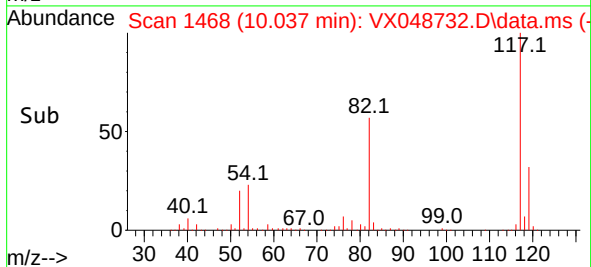
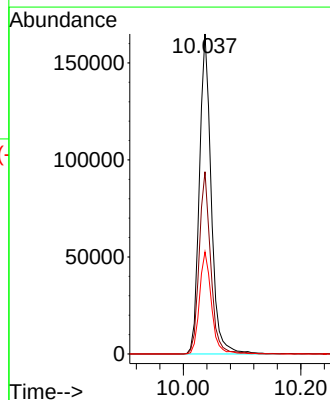
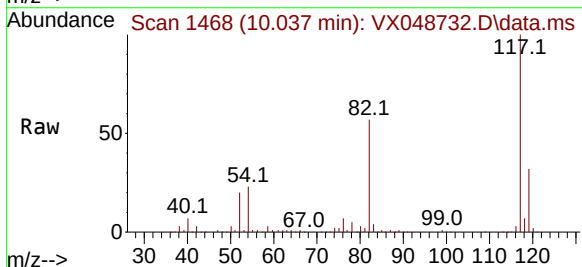
Instrument :
MSVOA_X
ClientSampleId :
BR-03D-490-120325

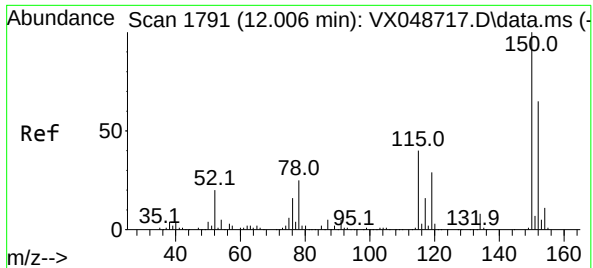
Tgt Ion: 95 Resp: 106460
Ion Ratio Lower Upper
95 100
174 80.3 0.0 157.8
176 76.6 0.0 154.0



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

Tgt Ion: 117 Resp: 230844
Ion Ratio Lower Upper
117 100
82 56.9 44.1 66.1
119 31.9 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048732.D

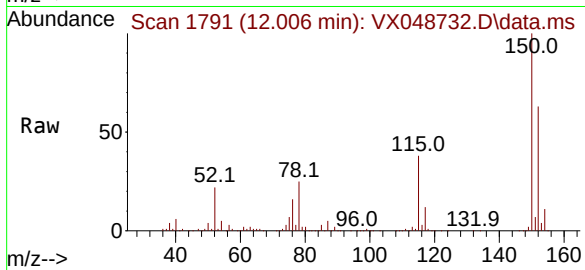
Acq: 05 Dec 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

BR-03D-490-120325



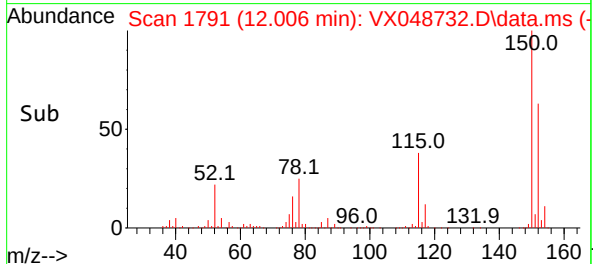
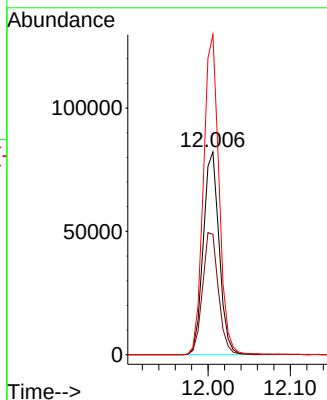
Tgt Ion:152 Resp: 110489

Ion Ratio Lower Upper

152 100

115 60.4 42.1 126.4

150 154.7 0.0 347.8



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

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

A
B
C
D
E
F
G
H
I
J

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

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

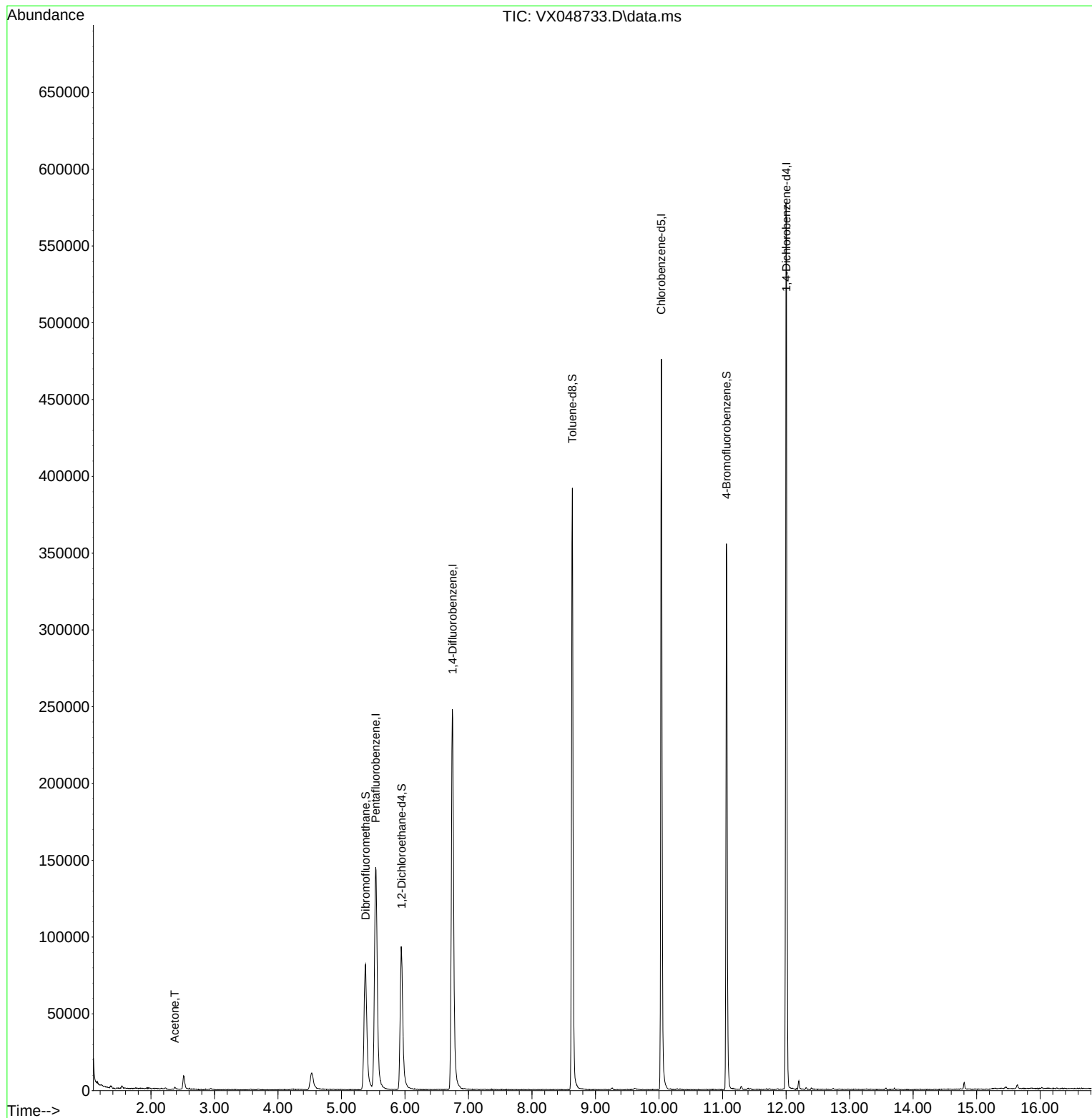
Internal Standards						
1) Pentafluorobenzene	5.537	168	161591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	286549	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	220300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4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

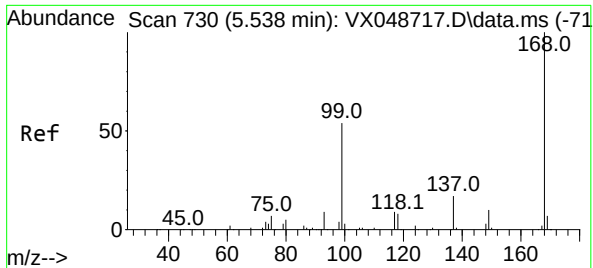
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

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



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.537 min Scan# 71

Delta R.T. -0.001 min

Lab File: VX048733.D

Acq: 05 Dec 2025 14:13

Instrument :

MSVOA_X

ClientSampleId :

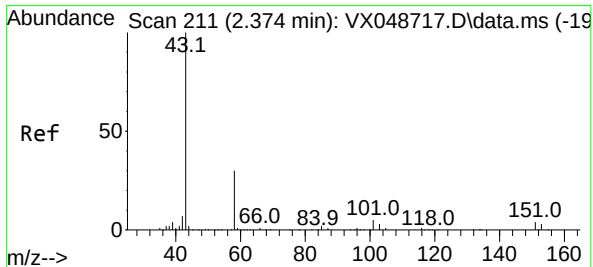
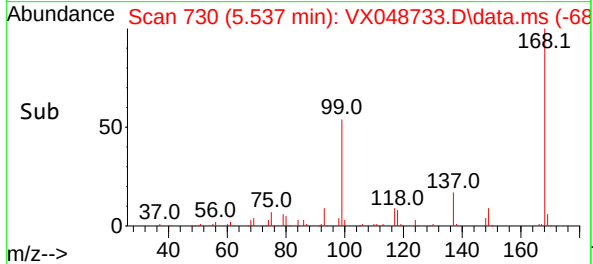
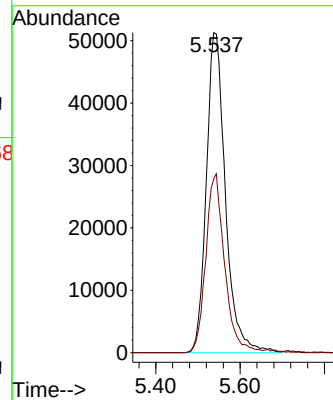
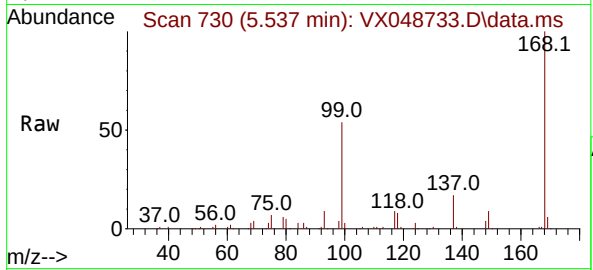
MW-14B-46-120325

Tgt Ion:168 Resp: 161591

Ion Ratio Lower Upper

168 100

99 54.2 44.2 66.4



#16

Acetone

Concen: 3.094 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048733.D

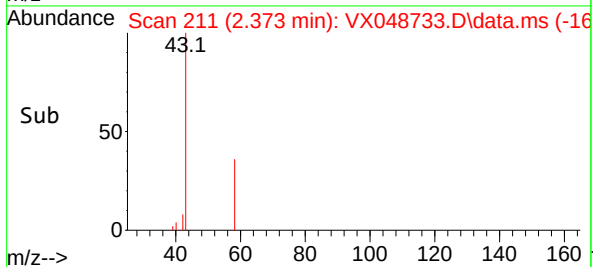
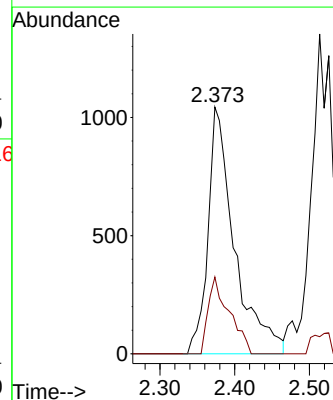
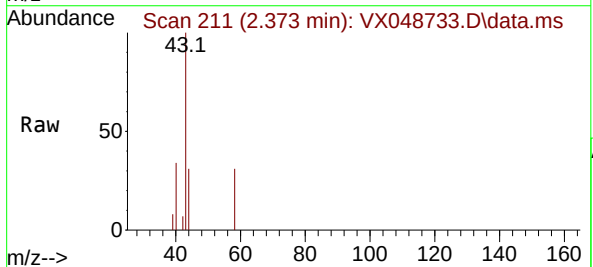
Acq: 05 Dec 2025 14:13

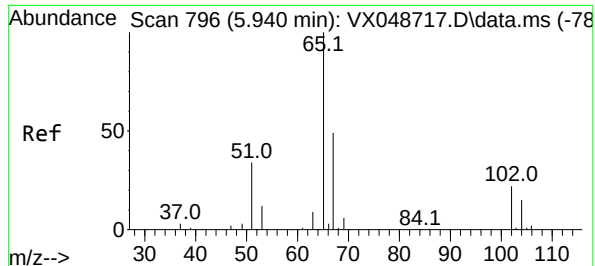
Tgt Ion: 43 Resp: 2569

Ion Ratio Lower Upper

43 100

58 31.1 25.0 37.4





#33

1,2-Dichloroethane-d4

Concen: 47.227 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048733.D

Acq: 05 Dec 2025 14:13

Instrument :

MSVOA_X

ClientSampleId :

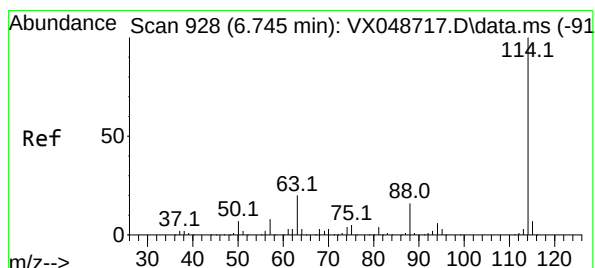
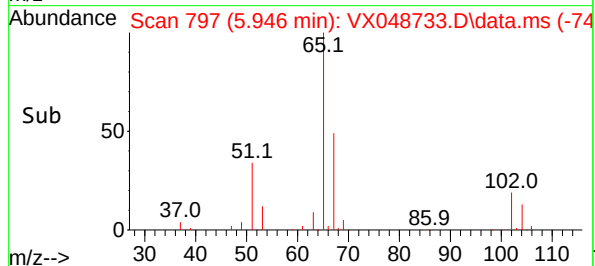
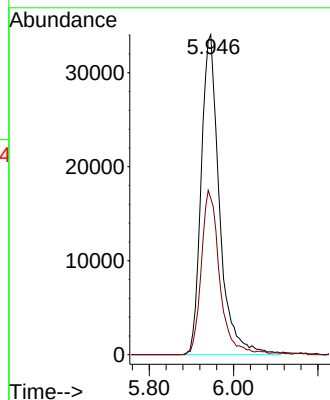
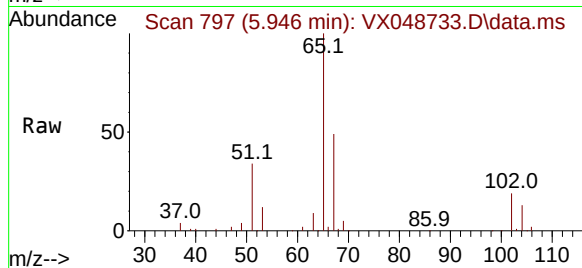
MW-14B-46-120325

Tgt Ion: 65 Resp: 102428

Ion Ratio Lower Upper

65 100

67 51.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048733.D

Acq: 05 Dec 2025 14:13

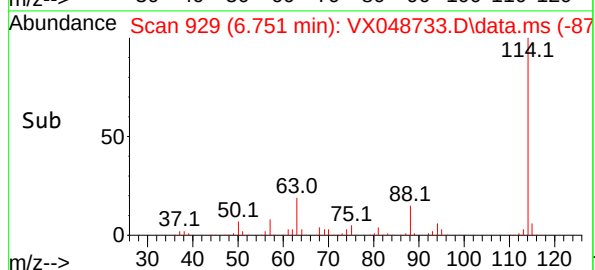
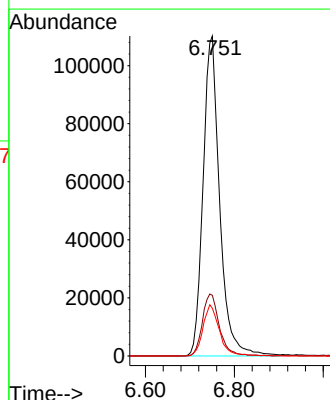
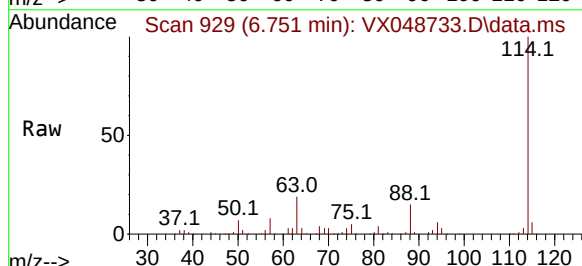
Tgt Ion: 114 Resp: 286549

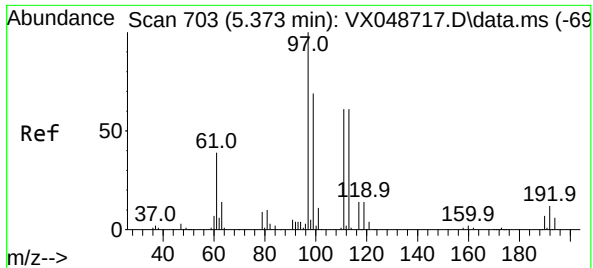
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.0

88 14.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 40.924 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048733.D

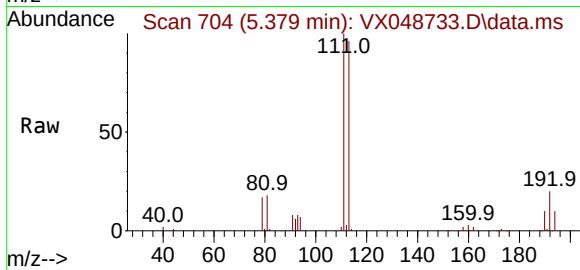
Acq: 05 Dec 2025 14:13

Instrument :

MSVOA_X

ClientSampleId :

MW-14B-46-120325



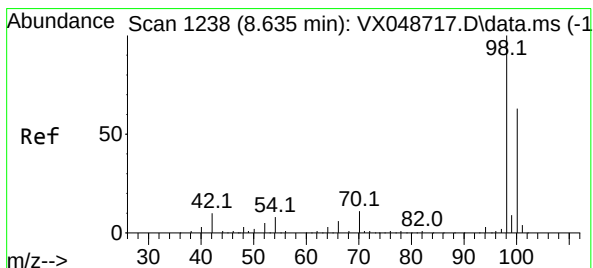
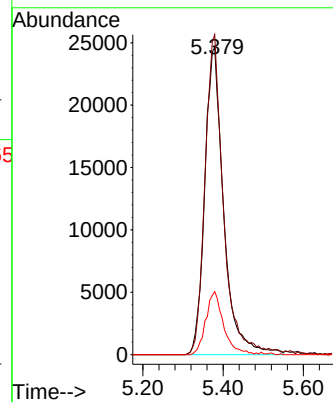
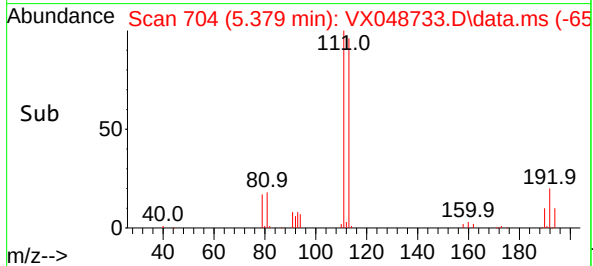
Tgt Ion:113 Resp: 80744

Ion Ratio Lower Upper

113 100

111 101.6 79.5 119.3

192 19.3 16.1 24.1



#50

Toluene-d8

Concen: 35.291 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048733.D

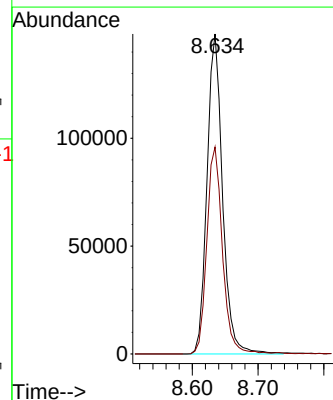
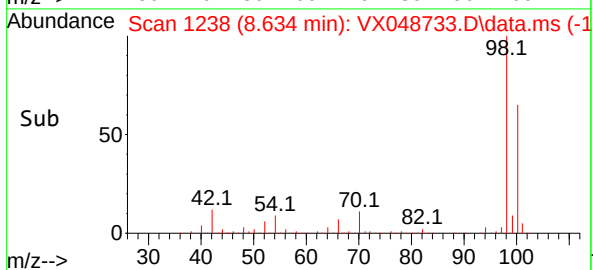
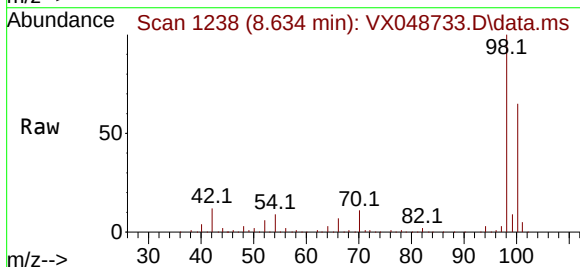
Acq: 05 Dec 2025 14:13

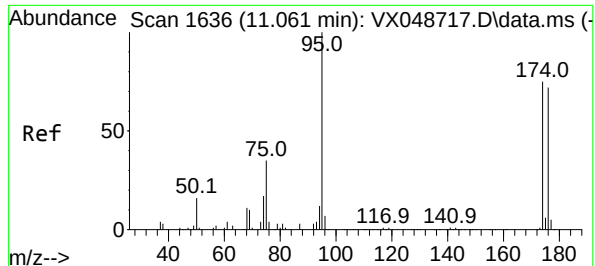
Tgt Ion: 98 Resp: 244075

Ion Ratio Lower Upper

98 100

100 64.9 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 43.546 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048733.D

Acq: 05 Dec 2025 14:13

Instrument :

MSVOA_X

ClientSampleId :

MW-14B-46-120325

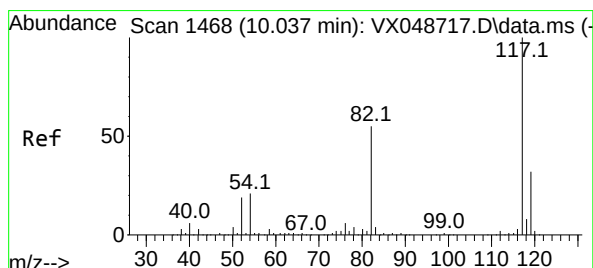
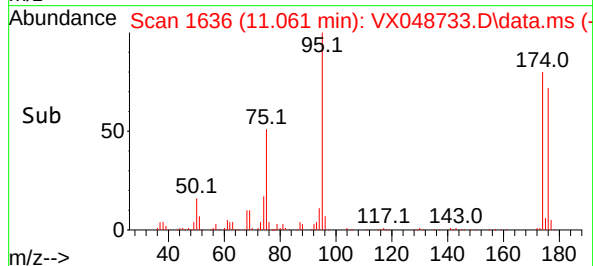
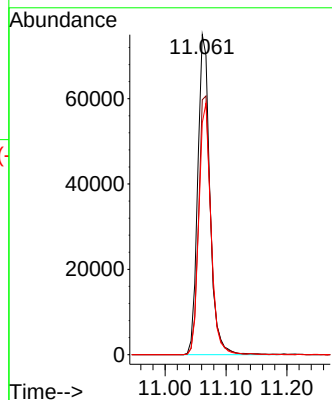
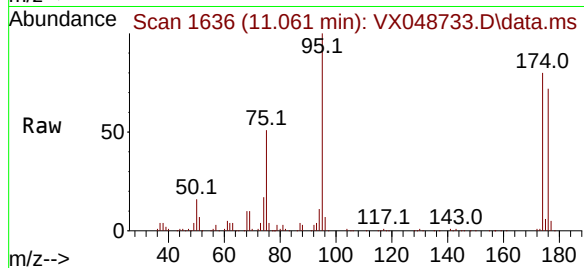
Tgt Ion: 95 Resp: 103850

Ion Ratio Lower Upper

95 100

174 81.4 0.0 157.8

176 78.1 0.0 154.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048733.D

Acq: 05 Dec 2025 14:13

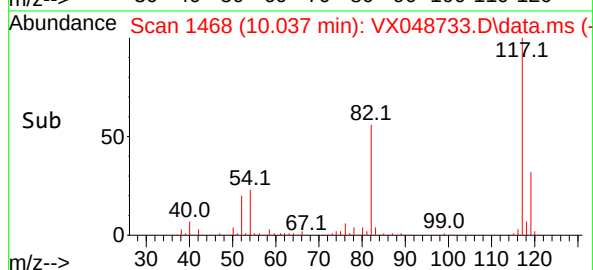
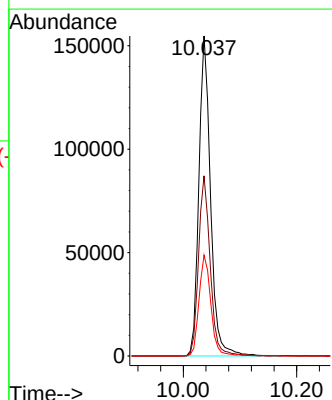
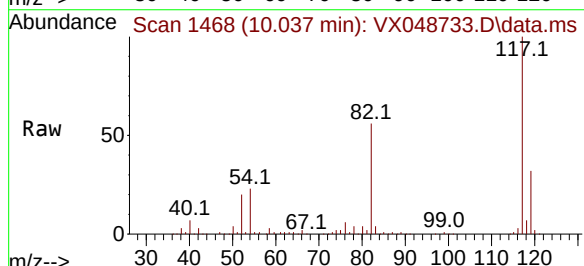
Tgt Ion: 117 Resp: 220300

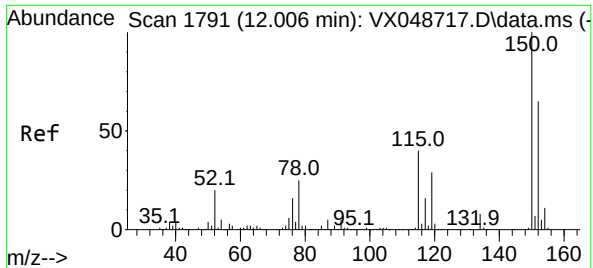
Ion Ratio Lower Upper

117 100

82 56.3 44.1 66.1

119 31.5 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048733.D

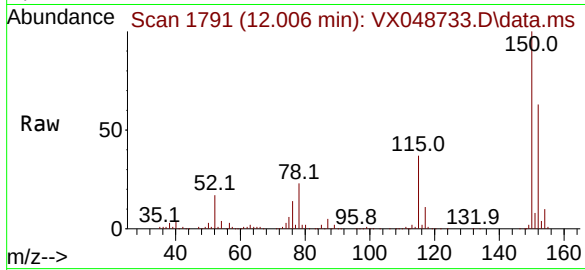
Acq: 05 Dec 2025 14:13

Instrument :

MSVOA_X

ClientSampleId :

MW-14B-46-120325



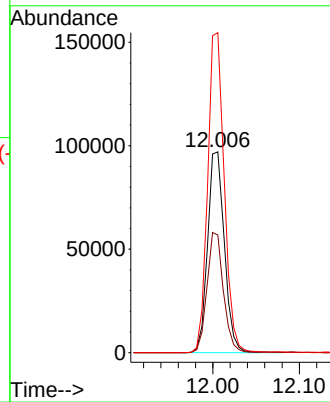
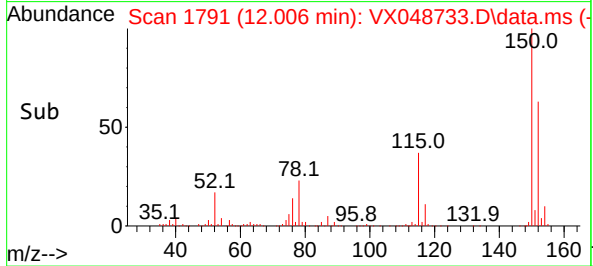
Tgt Ion:152 Resp: 131055

Ion Ratio Lower Upper

152 100

115 58.4 42.1 126.4

150 156.9 0.0 347.8



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

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

A
B
C
D
E
F
G
H
I
J

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

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

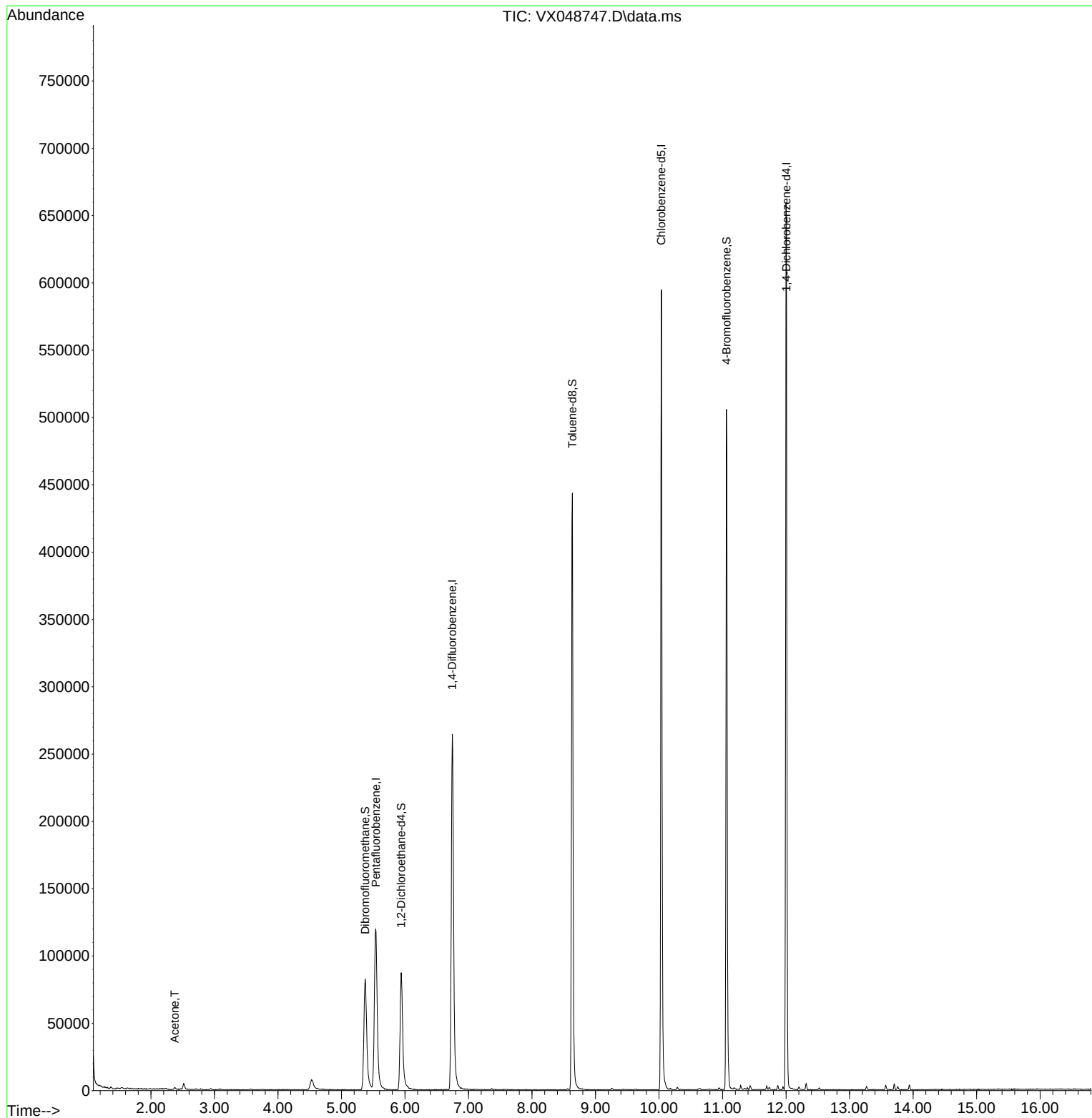
Internal Standards						
1) Pentafluorobenzene	5.544	168	124903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	299763	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	268328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4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

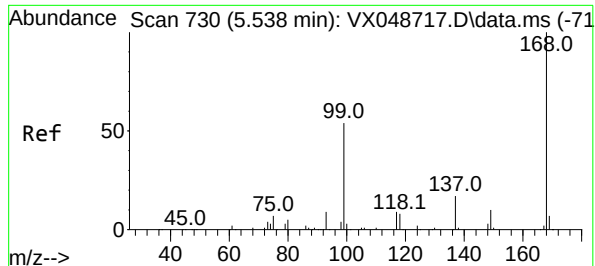
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

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

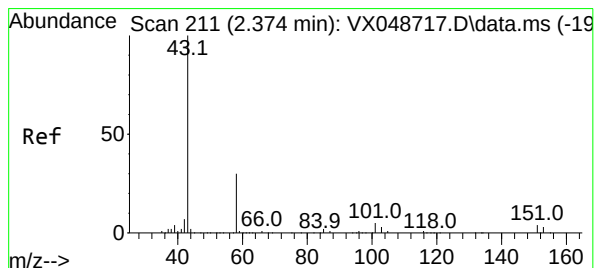
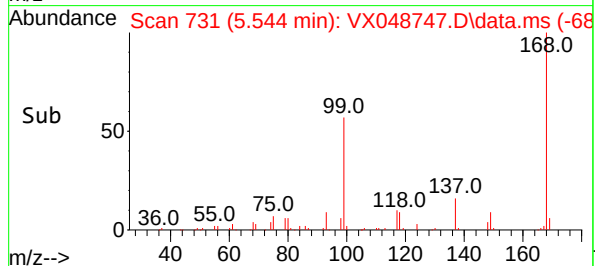
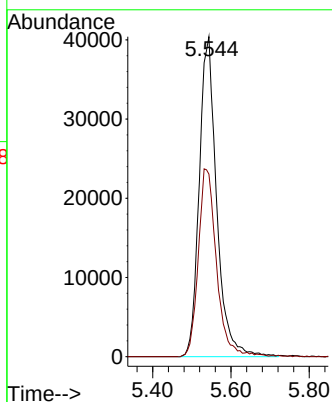
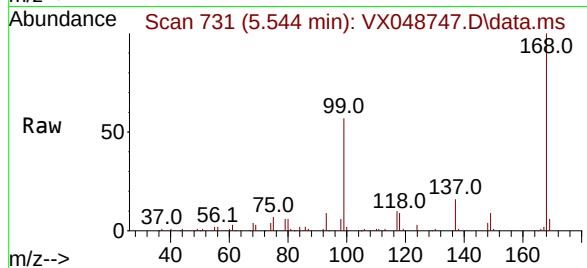




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX048747.D
Acq: 08 Dec 2025 12:33

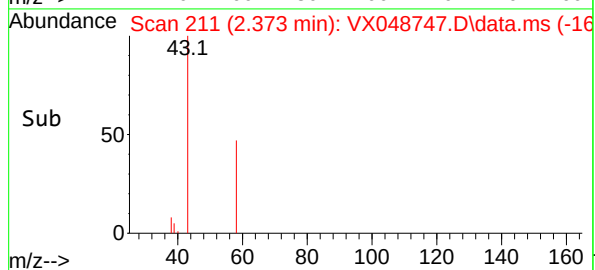
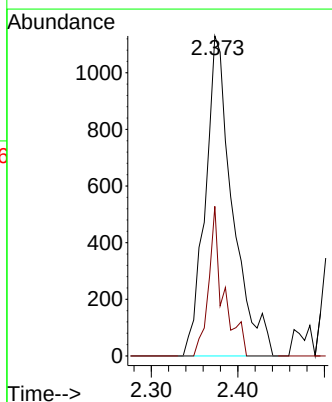
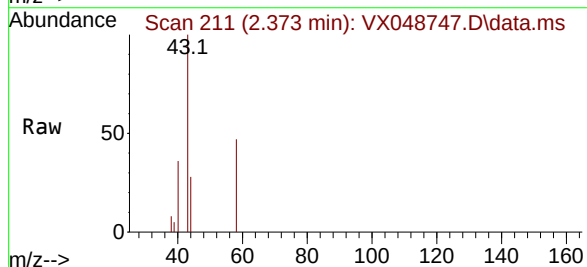
Instrument :
MSVOA_X
ClientSampleId :
MW-14B-46-120325RE

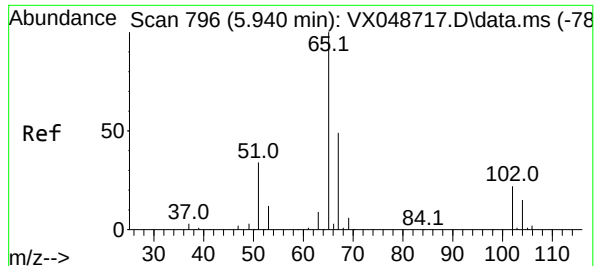
Tgt Ion:168 Resp: 124903
Ion Ratio Lower Upper
168 100
99 57.1 44.2 66.4



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

Tgt Ion: 43 Resp: 2472
Ion Ratio Lower Upper
43 100
58 46.7 25.0 37.4#





#33

1,2-Dichloroethane-d4

Concen: 57.744 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048747.D

Acq: 08 Dec 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

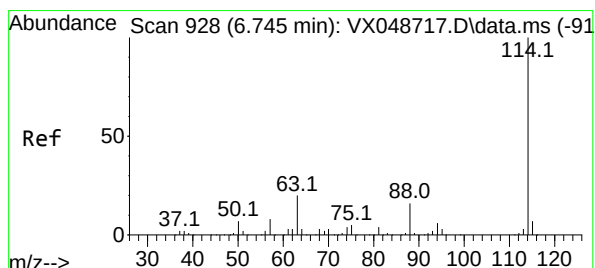
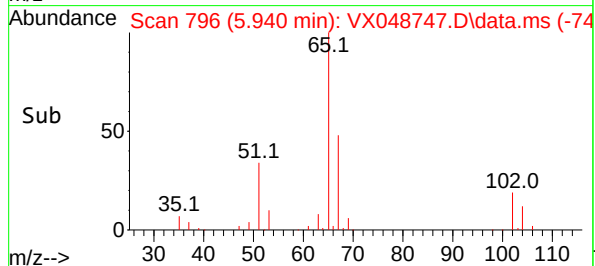
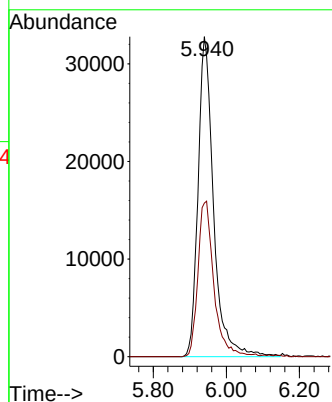
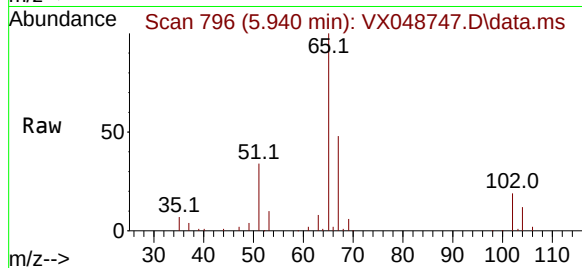
MW-14B-46-120325RE

Tgt Ion: 65 Resp: 96803

Ion Ratio Lower Upper

65 100

67 49.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048747.D

Acq: 08 Dec 2025 12:33

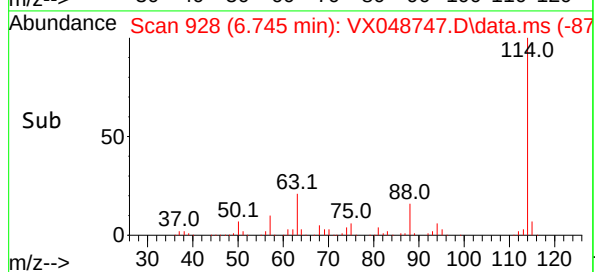
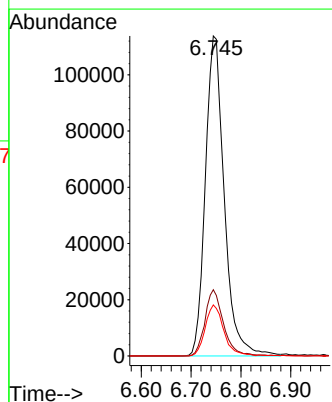
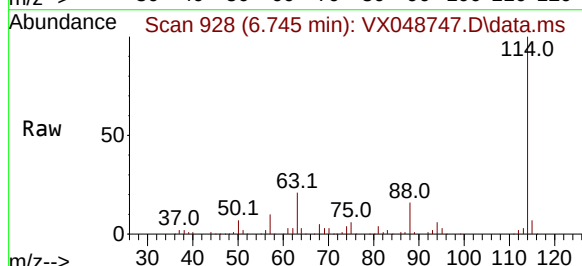
Tgt Ion: 114 Resp: 299763

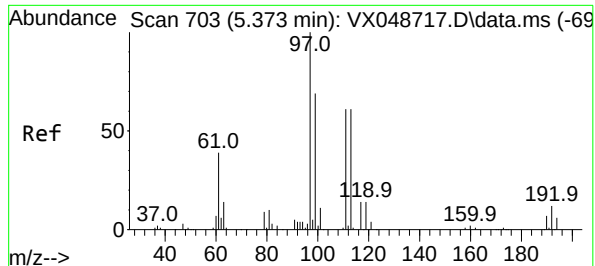
Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 38.412 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048747.D

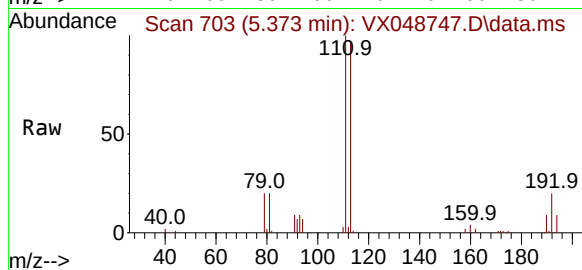
Acq: 08 Dec 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

MW-14B-46-120325RE



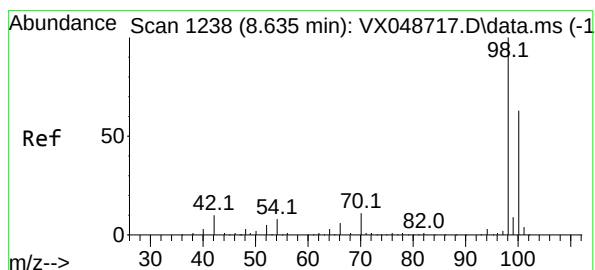
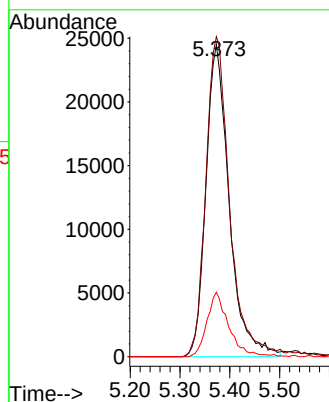
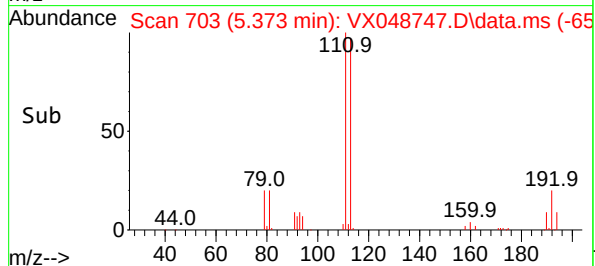
Tgt Ion:113 Resp: 79281

Ion Ratio Lower Upper

113 100

111 104.9 79.5 119.3

192 19.5 16.1 24.1



#50

Toluene-d8

Concen: 38.442 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048747.D

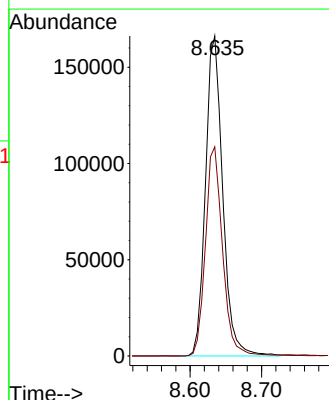
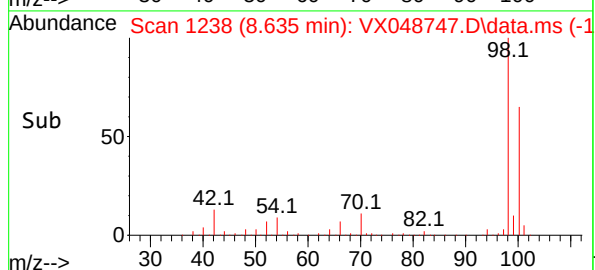
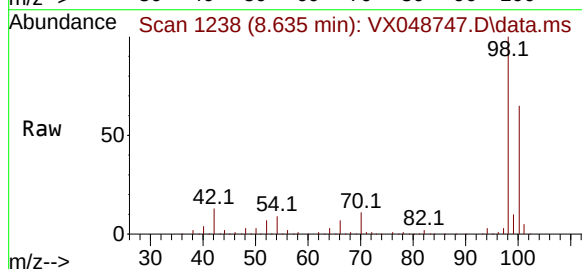
Acq: 08 Dec 2025 12:33

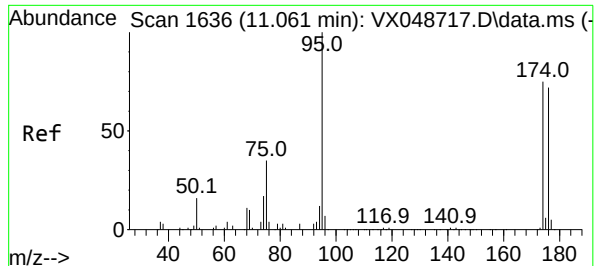
Tgt Ion: 98 Resp: 278126

Ion Ratio Lower Upper

98 100

100 65.2 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 56.882 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048747.D

Acq: 08 Dec 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

MW-14B-46-120325RE

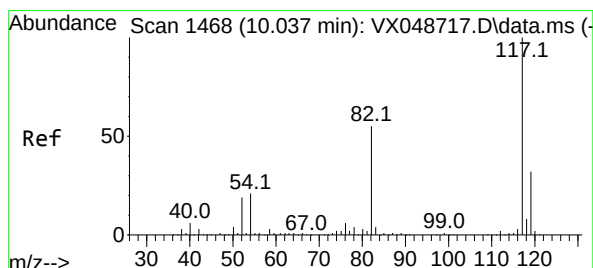
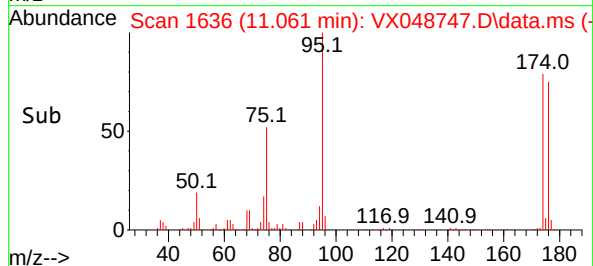
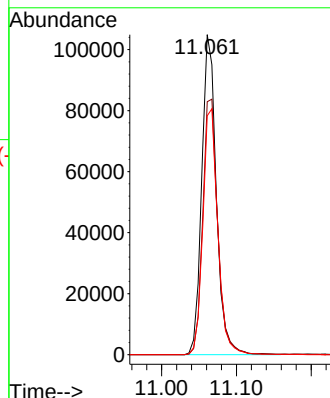
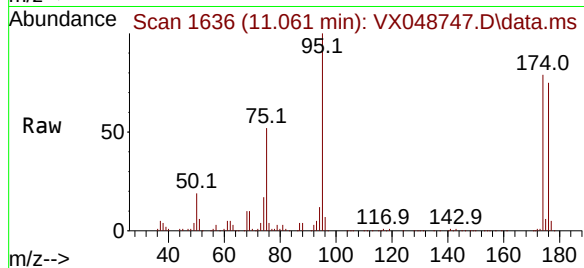
Tgt Ion: 95 Resp: 141911

Ion Ratio Lower Upper

95 100

174 82.4 0.0 157.8

176 79.0 0.0 154.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048747.D

Acq: 08 Dec 2025 12:33

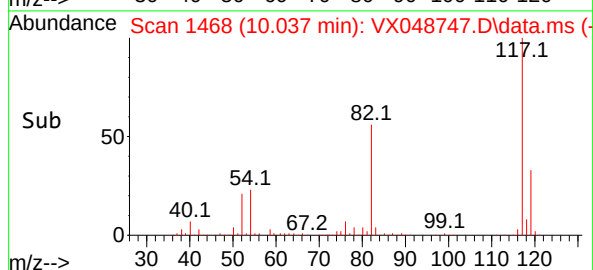
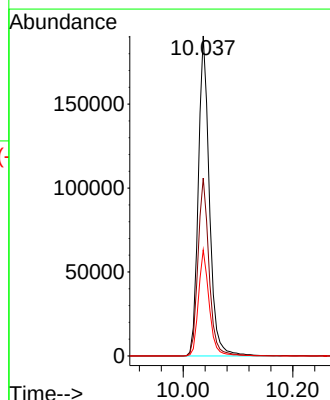
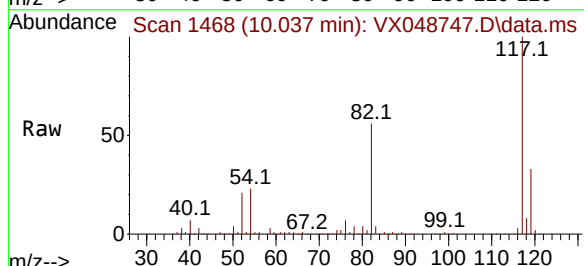
Tgt Ion: 117 Resp: 268328

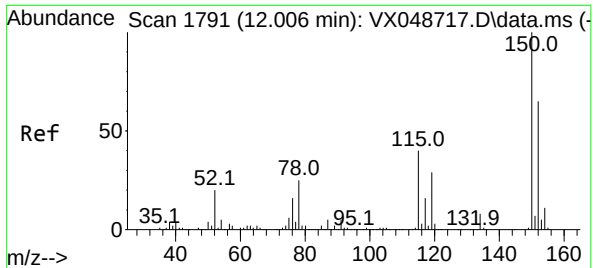
Ion Ratio Lower Upper

117 100

82 55.6 44.1 66.1

119 33.2 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048747.D

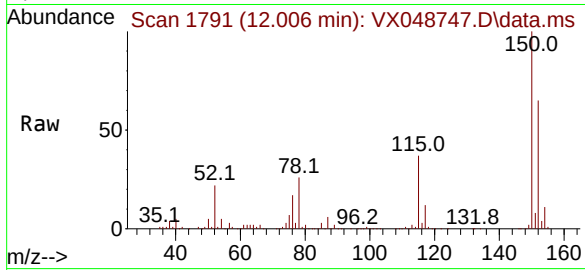
Acq: 08 Dec 2025 12:33

Instrument :

MSVOA_X

ClientSampleId :

MW-14B-46-120325RE



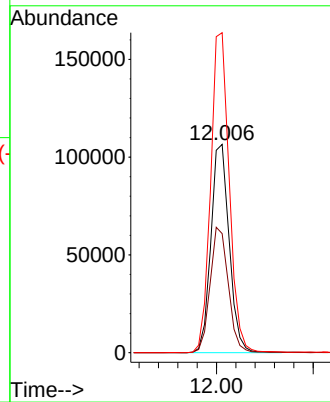
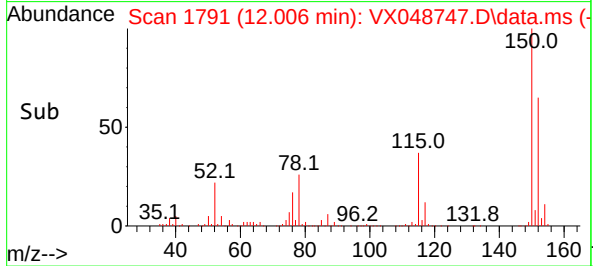
Tgt Ion:152 Resp: 139875

Ion Ratio Lower Upper

152 100

115 60.1 42.1 126.4

150 156.1 0.0 347.8



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

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

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

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

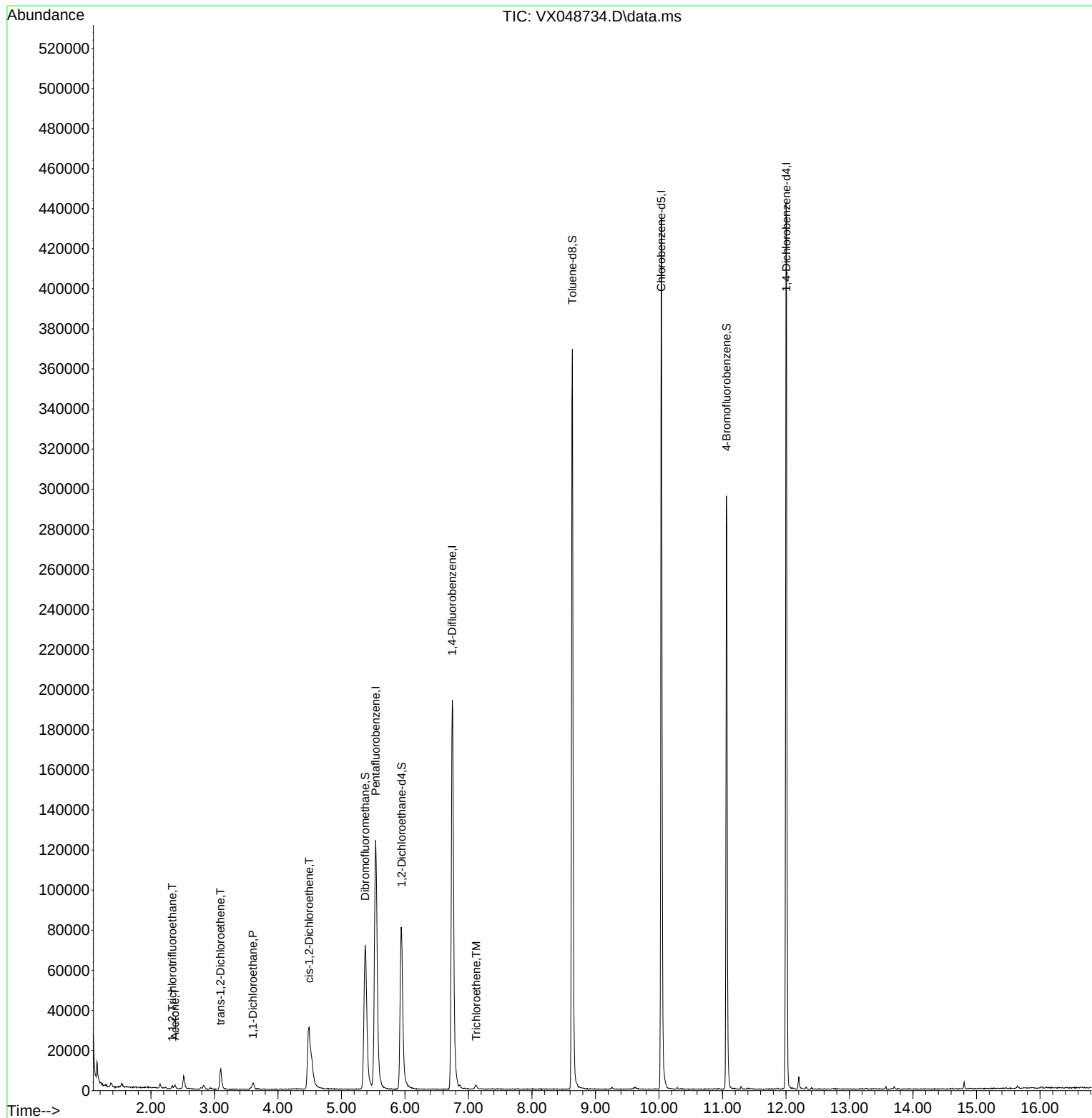
Internal Standards						
1) Pentafluorobenzene	5.538	168	132392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	222932	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	207009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	102583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4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

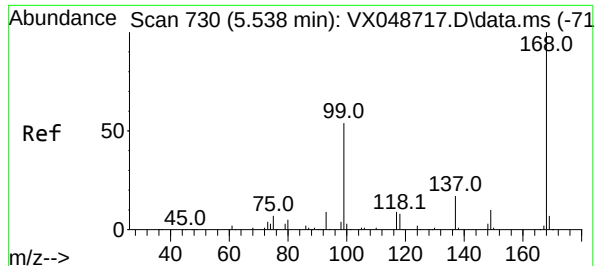
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

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

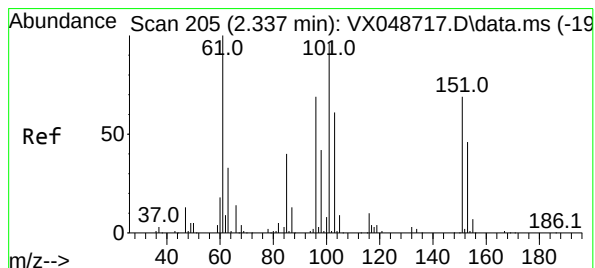
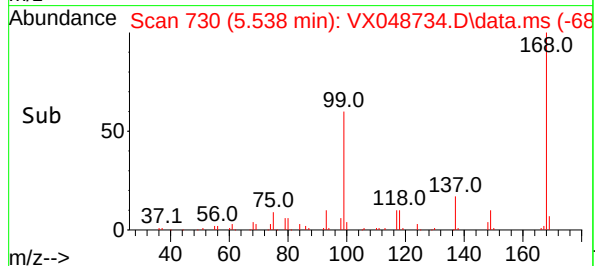
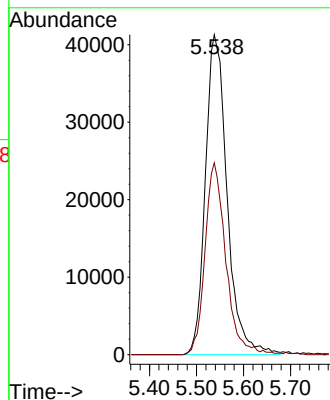
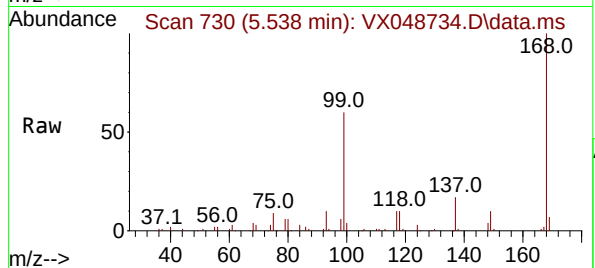




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

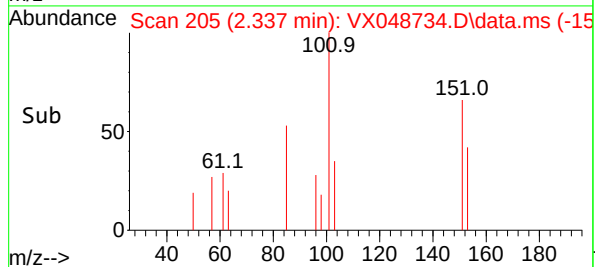
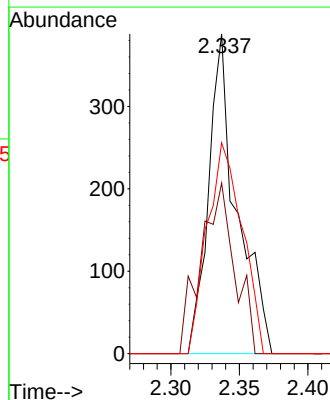
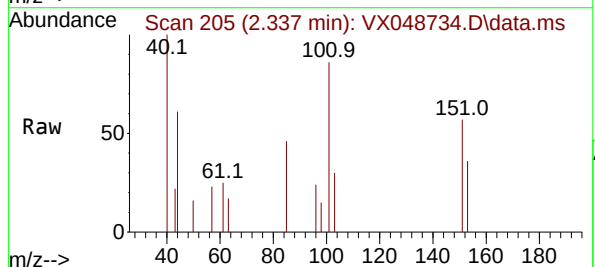
Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

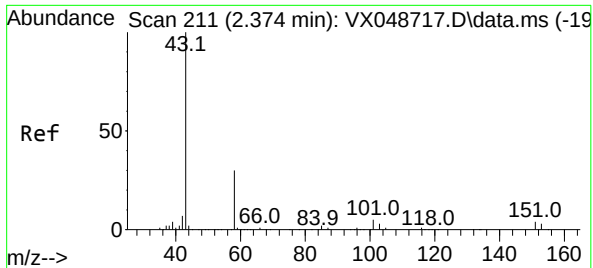
Tgt Ion:168 Resp: 132392
Ion Ratio Lower Upper
168 100
99 59.9 44.2 66.4



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

Tgt Ion:101 Resp: 558
Ion Ratio Lower Upper
101 100
85 64.0 34.2 51.2#
151 81.5 60.2 90.4

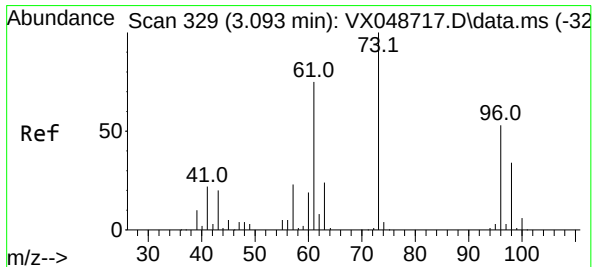
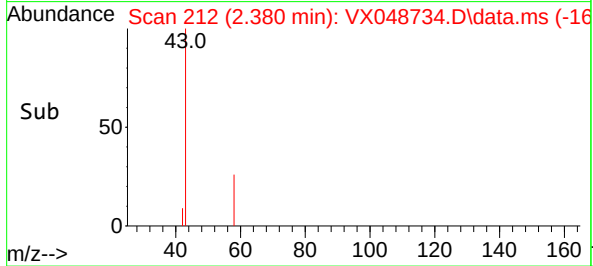
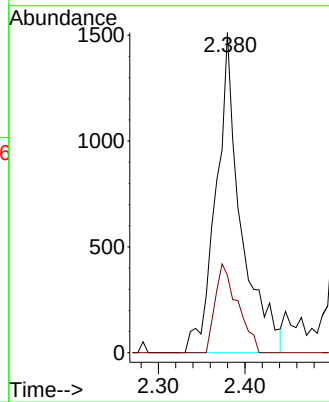
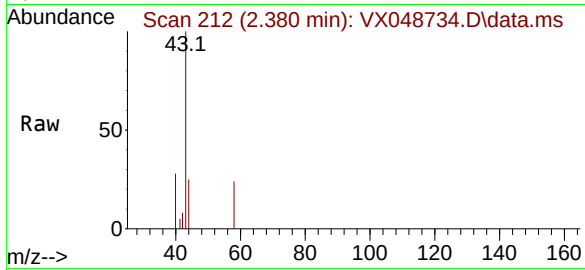




#16
Acetone
Concen: 4.423 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

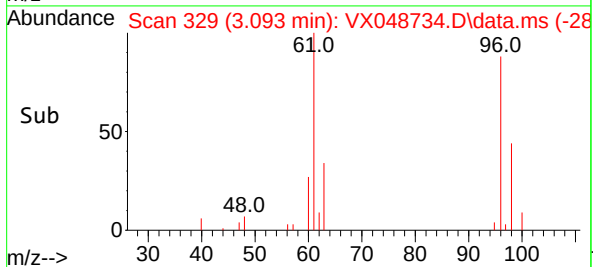
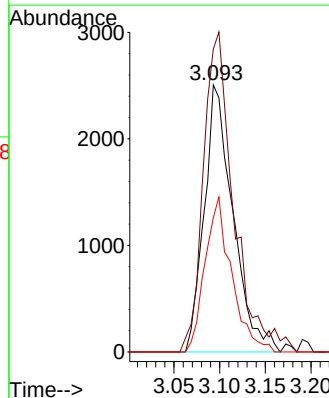
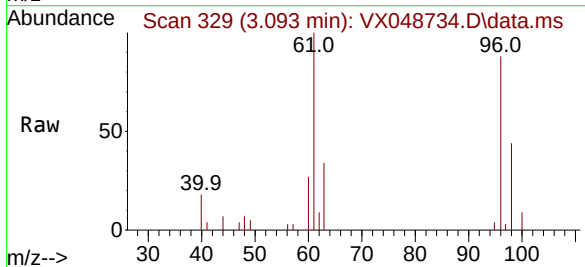
Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

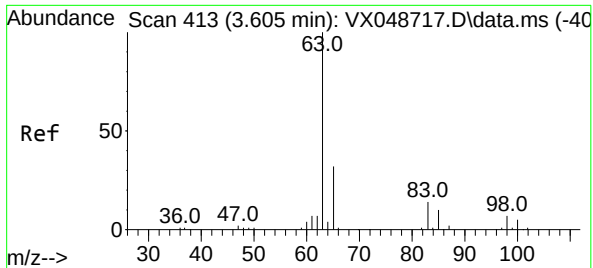
Tgt Ion: 43 Resp: 3009
Ion Ratio Lower Upper
43 100
58 24.2 25.0 37.4#



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

Tgt Ion: 96 Resp: 5495
Ion Ratio Lower Upper
96 100
61 113.4 112.8 169.2
98 50.3 51.0 76.4#

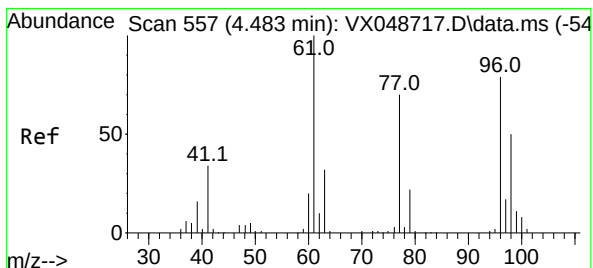
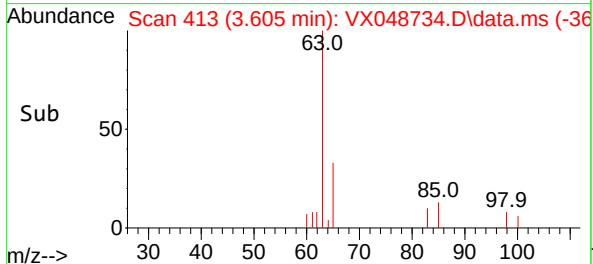
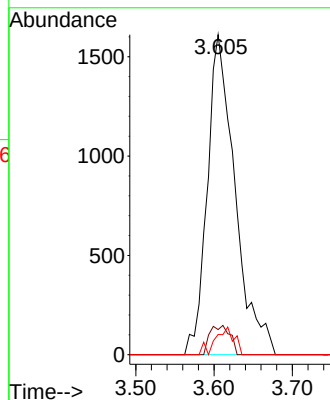
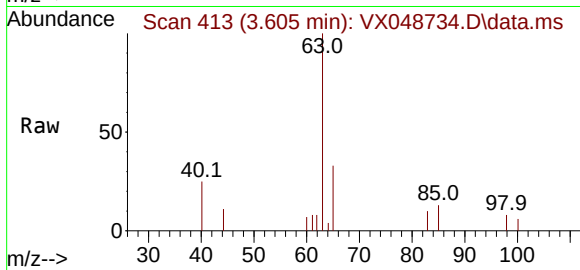




#24
1,1-Dichloroethane
Concen: 1.475 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX048734.D
Acq: 05 Dec 2025 14:33

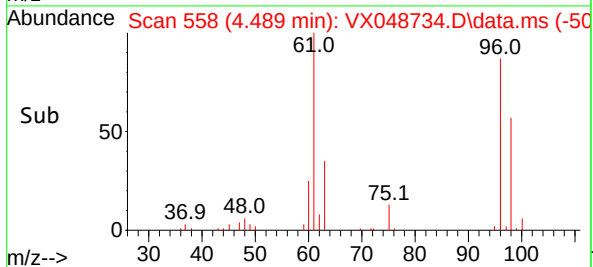
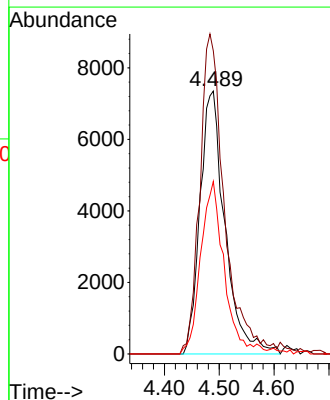
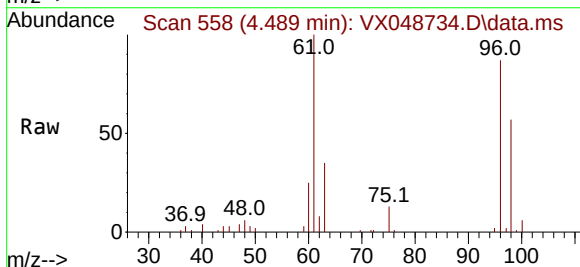
Instrument :
MSVOA_X
ClientSampleId :
RMW-05B-90.5-120325

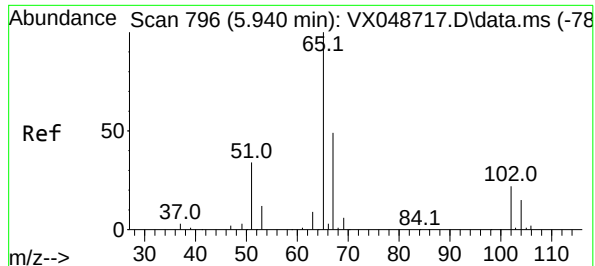
Tgt Ion:	63	Resp:	3969
Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.6
100	6.3	2.5	7.4



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

Tgt Ion:	96	Resp:	23281
Ion	Ratio	Lower	Upper
96	100		
61	119.9	0.0	271.0
98	61.8	0.0	130.2





#33

1,2-Dichloroethane-d4

Concen: 51.288 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

Instrument :

MSVOA_X

ClientSampleId :

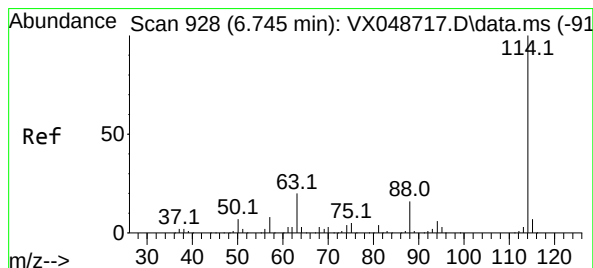
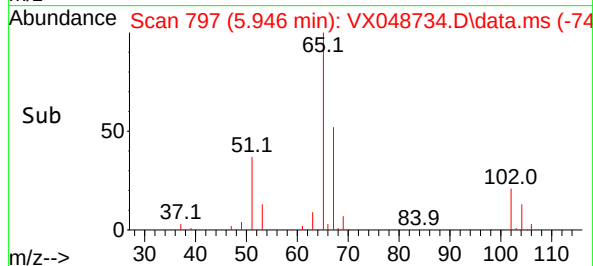
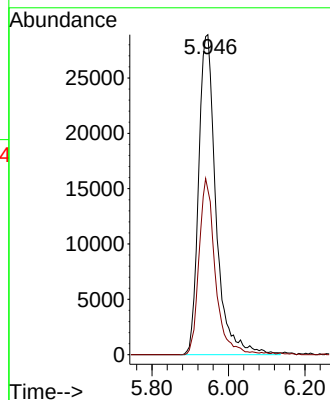
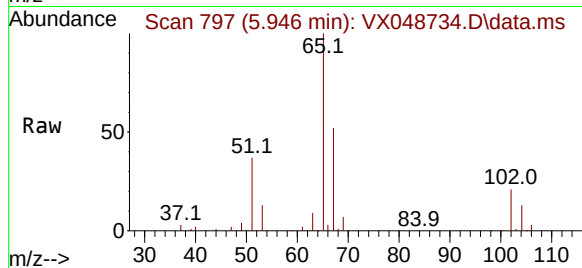
RMW-05B-90.5-120325

Tgt Ion: 65 Resp: 91135

Ion Ratio Lower Upper

65 100

67 51.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

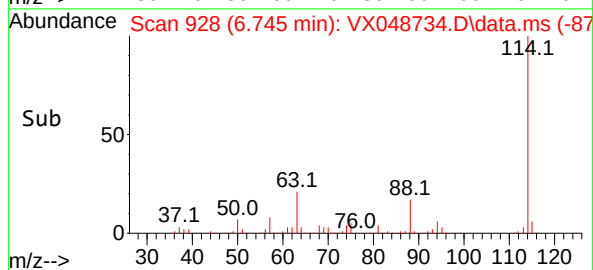
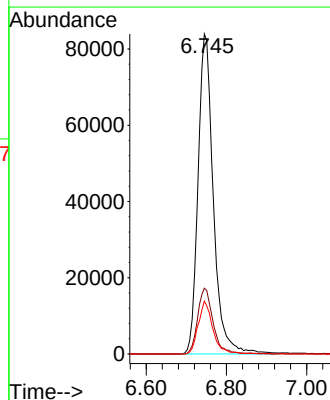
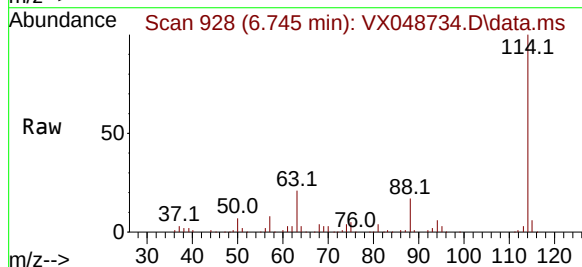
Tgt Ion: 114 Resp: 222932

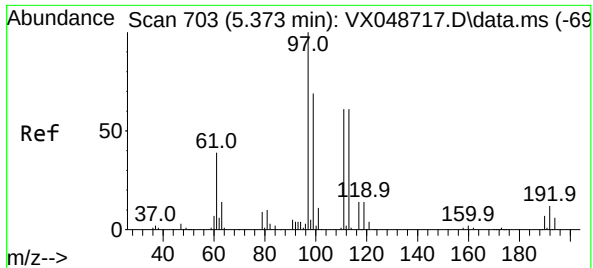
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

88 16.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.112 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048734.D

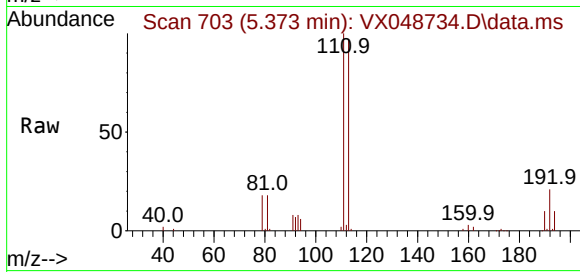
Acq: 05 Dec 2025 14:33

Instrument :

MSVOA_X

ClientSampleId :

RMW-05B-90.5-120325



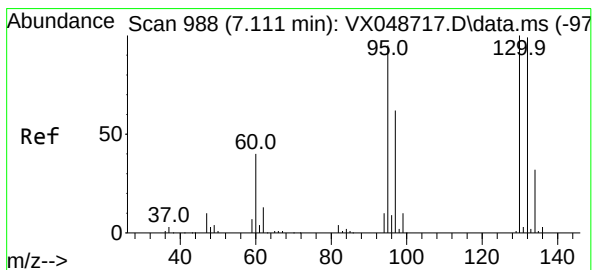
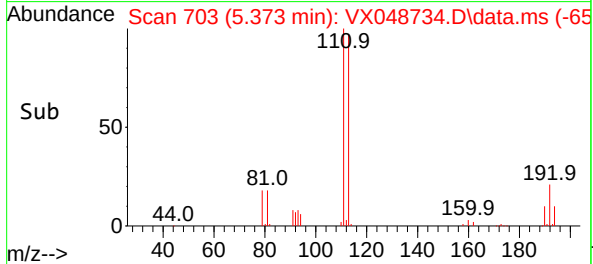
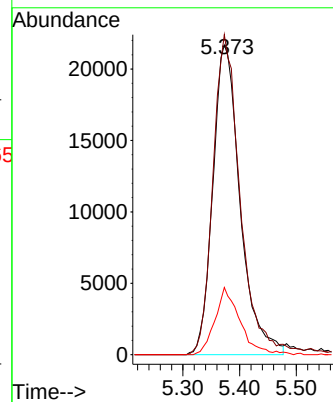
Tgt Ion:113 Resp: 72316

Ion Ratio Lower Upper

113 100

111 103.5 79.5 119.3

192 19.6 16.1 24.1



#44

Trichloroethene

Concen: 0.651 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.012 min

Lab File: VX048734.D

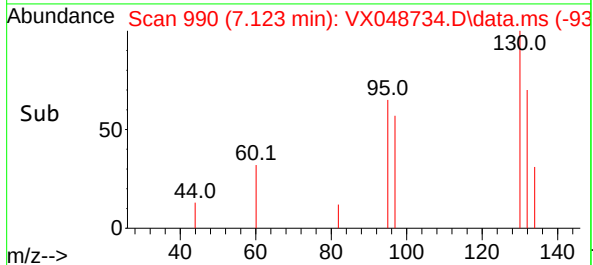
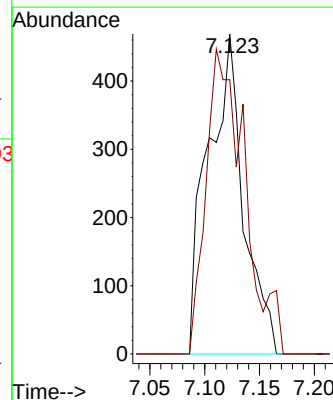
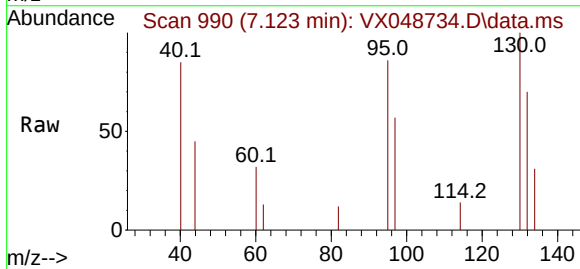
Acq: 05 Dec 2025 14:33

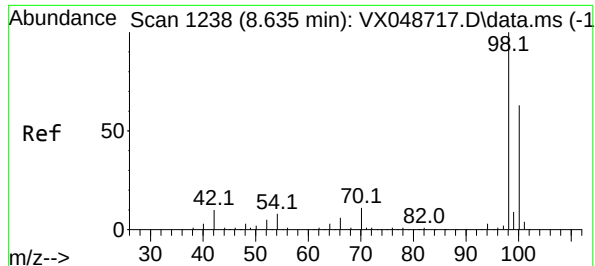
Tgt Ion:130 Resp: 1059

Ion Ratio Lower Upper

130 100

95 85.7 0.0 189.6





#50

Toluene-d8

Concen: 43.924 ug/l

RT: 8.635 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

Instrument :

MSVOA_X

ClientSampleId :

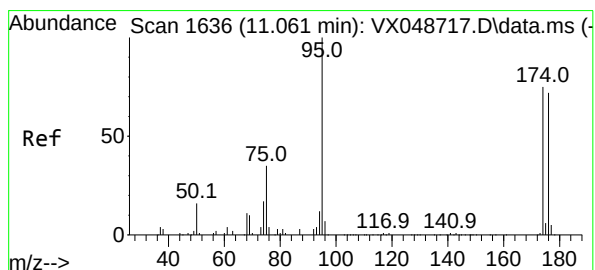
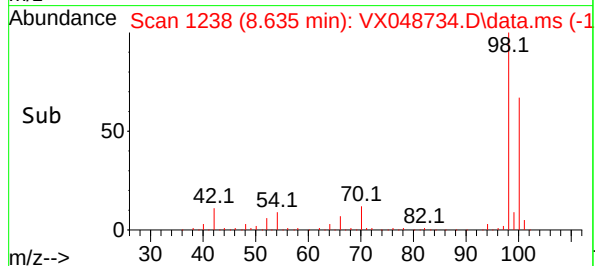
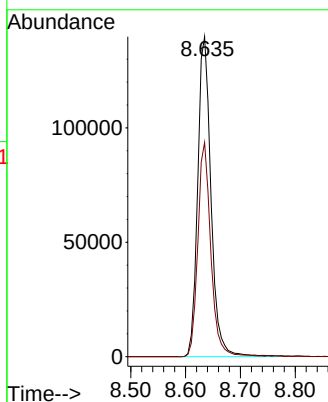
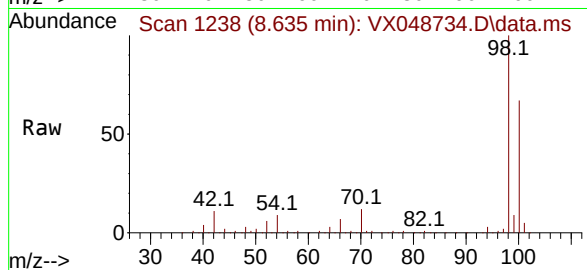
RMW-05B-90.5-120325

Tgt Ion: 98 Resp: 236336

Ion Ratio Lower Upper

98 100

100 65.4 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 45.783 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

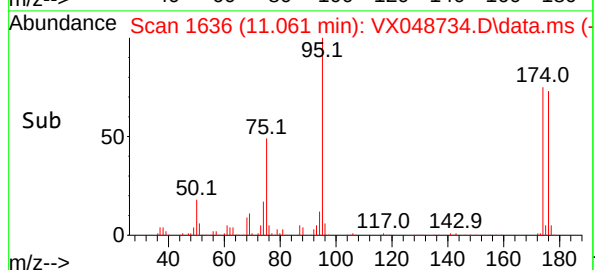
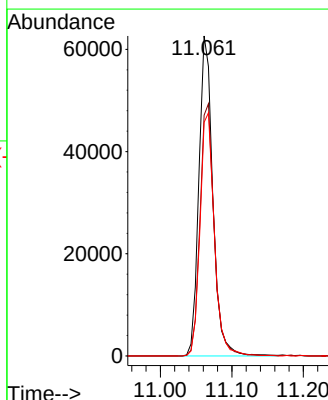
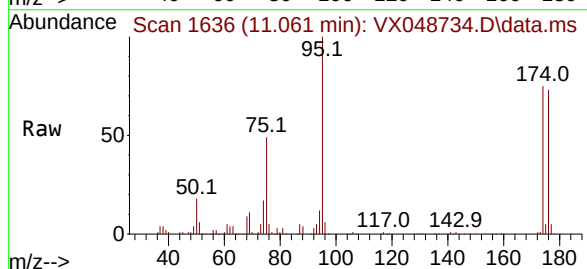
Tgt Ion: 95 Resp: 84945

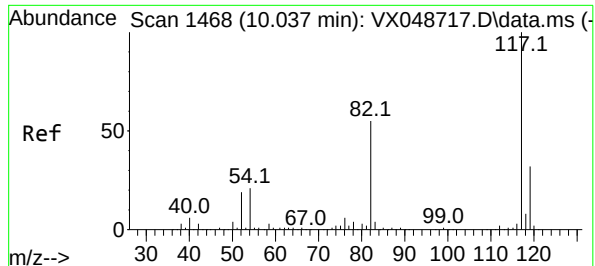
Ion Ratio Lower Upper

95 100

174 80.1 0.0 157.8

176 78.0 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

Instrument :

MSVOA_X

ClientSampleId :

RMW-05B-90.5-120325

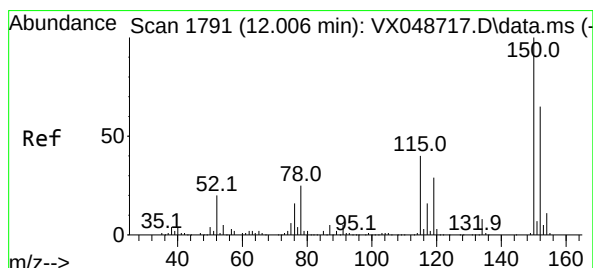
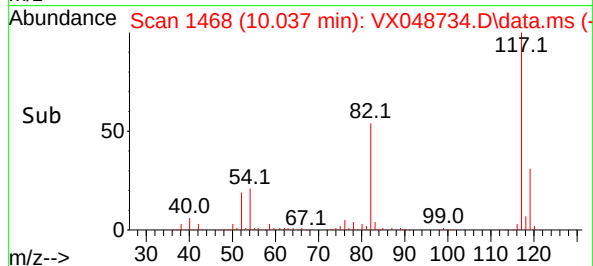
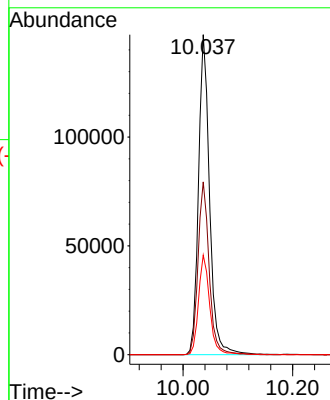
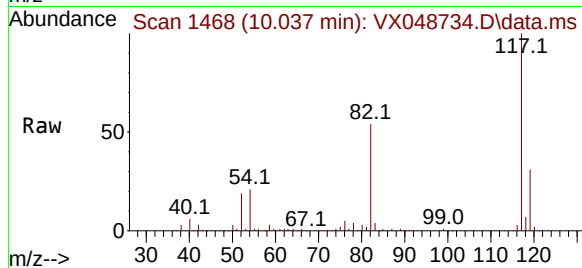
Tgt Ion:117 Resp: 207009

Ion Ratio Lower Upper

117 100

82 54.0 44.1 66.1

119 31.1 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048734.D

Acq: 05 Dec 2025 14:33

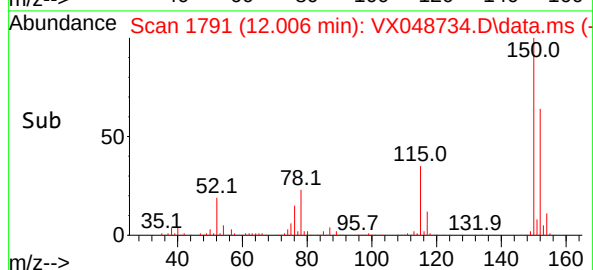
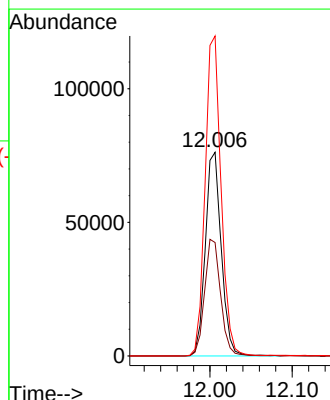
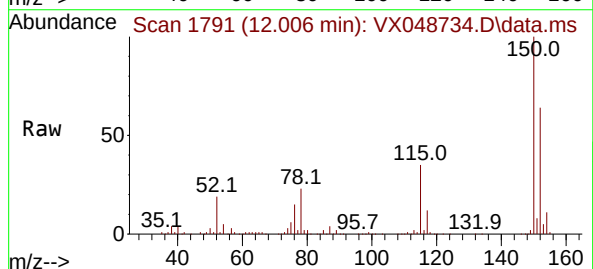
Tgt Ion:152 Resp: 102583

Ion Ratio Lower Upper

152 100

115 57.5 42.1 126.4

150 156.8 0.0 347.8



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

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

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

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

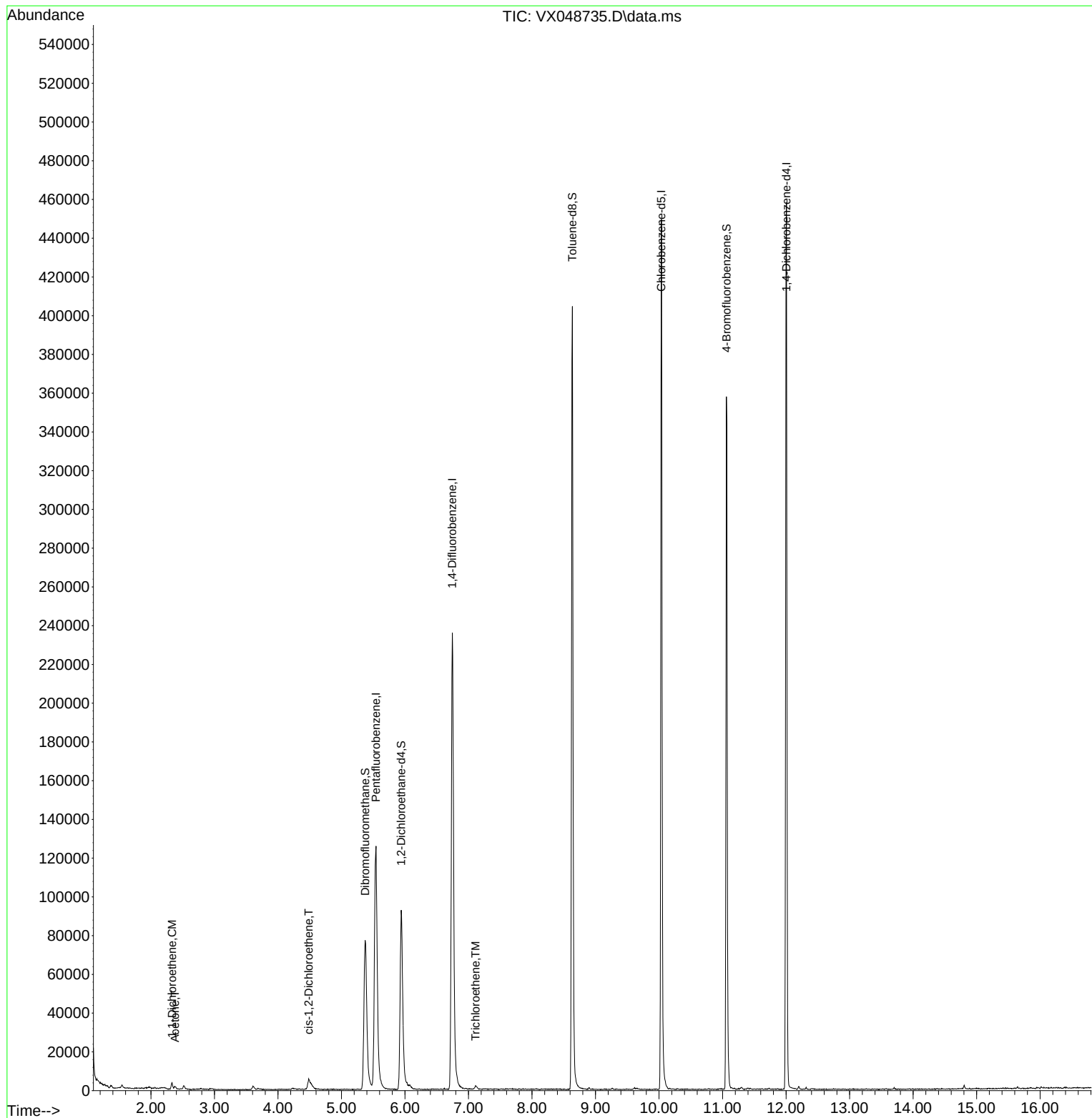
Internal Standards						
1) Pentafluorobenzene	5.544	168	129477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	275147	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	208806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4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

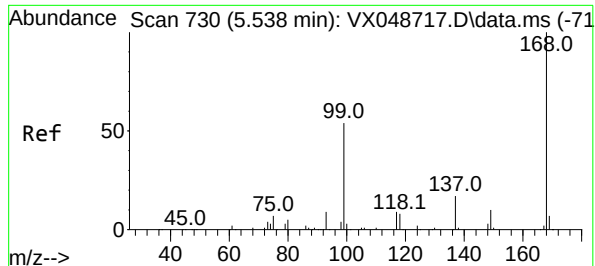
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

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

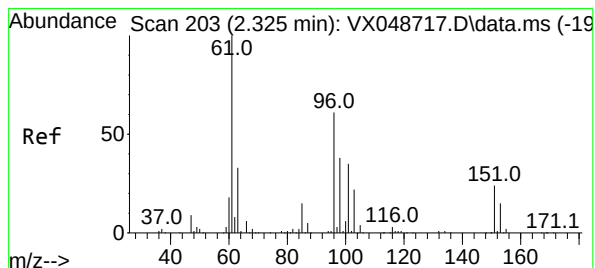
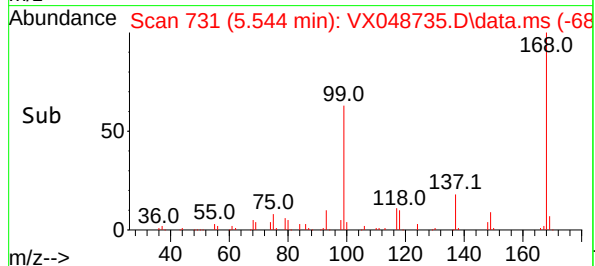
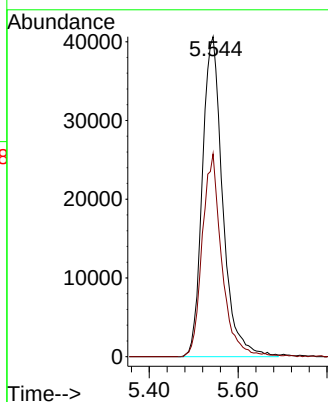
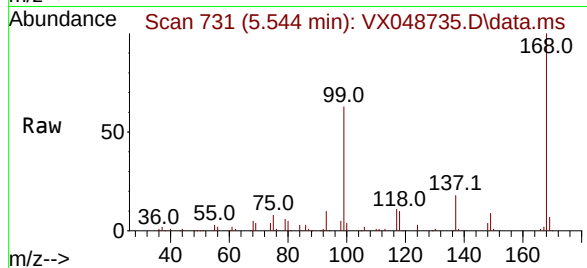




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

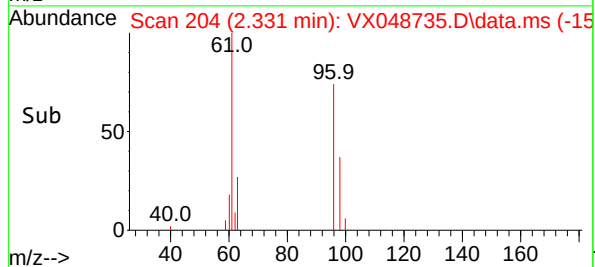
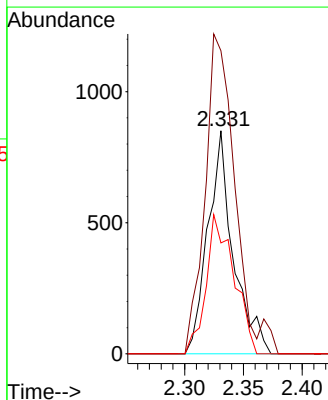
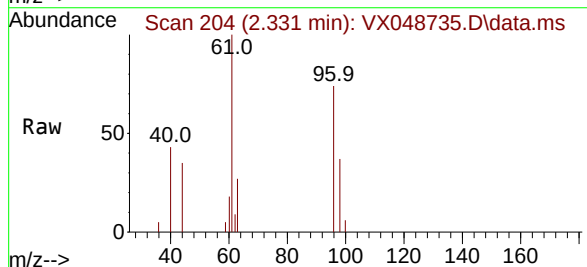
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

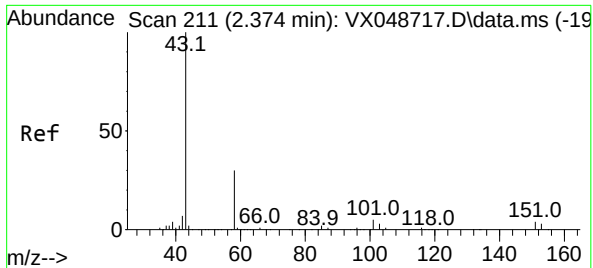
Tgt Ion:168 Resp: 129477
Ion Ratio Lower Upper
168 100
99 63.4 44.2 66.4



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

Tgt Ion: 96 Resp: 1284
Ion Ratio Lower Upper
96 100
61 135.8 130.7 196.1
98 49.7 49.8 74.8#

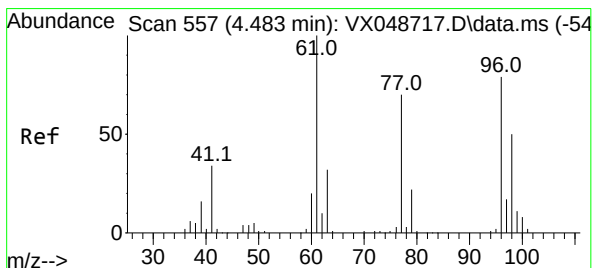
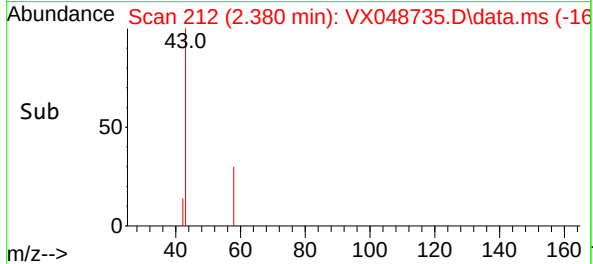
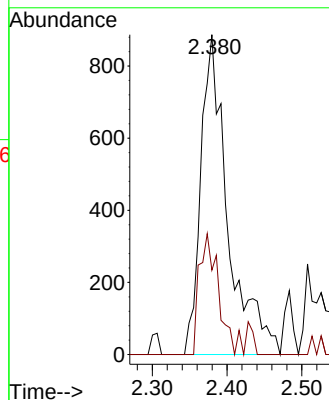
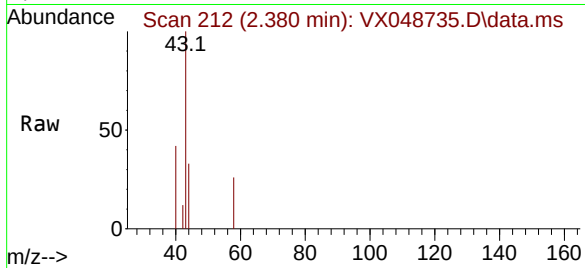




#16
Acetone
Concen: 3.358 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048735.D
Acq: 05 Dec 2025 14:54

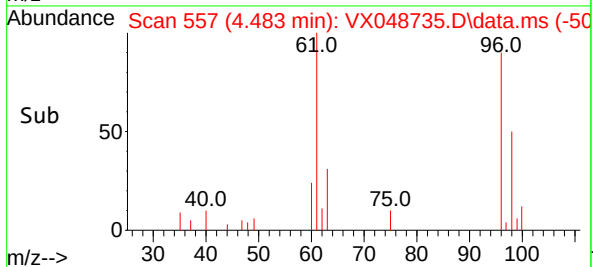
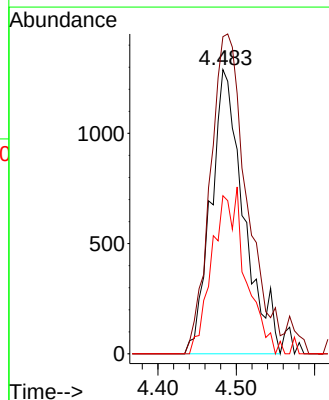
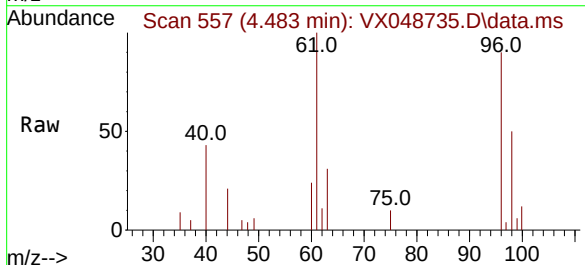
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325

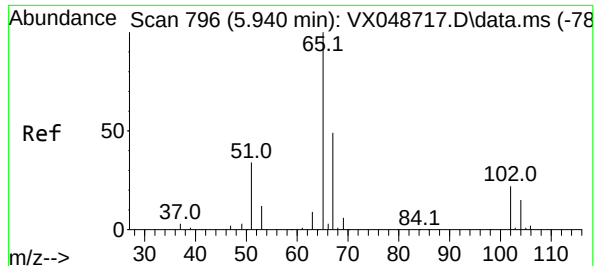
Tgt Ion: 43 Resp: 2234
Ion Ratio Lower Upper
43 100
58 26.4 25.0 37.4



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

Tgt Ion: 96 Resp: 3749
Ion Ratio Lower Upper
96 100
61 126.3 0.0 271.0
98 59.3 0.0 130.2





#33

1,2-Dichloroethane-d4

Concen: 58.840 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

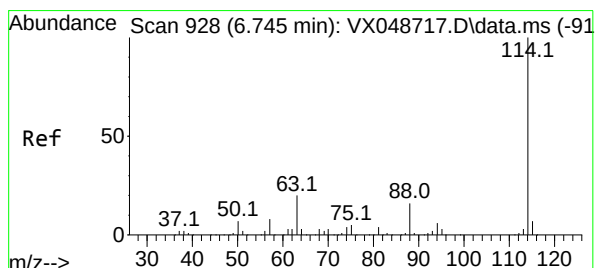
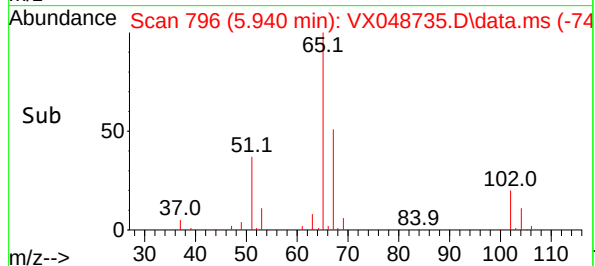
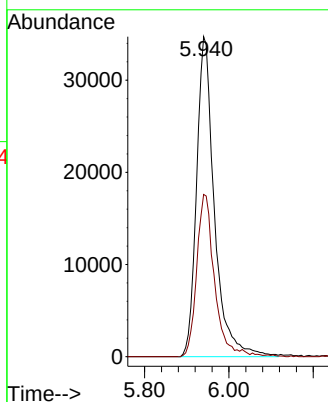
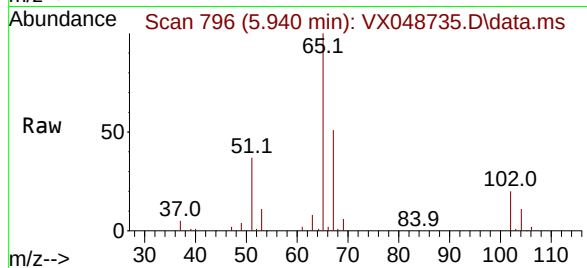
OW-05B-72-120325

Tgt Ion: 65 Resp: 102254

Ion Ratio Lower Upper

65 100

67 50.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

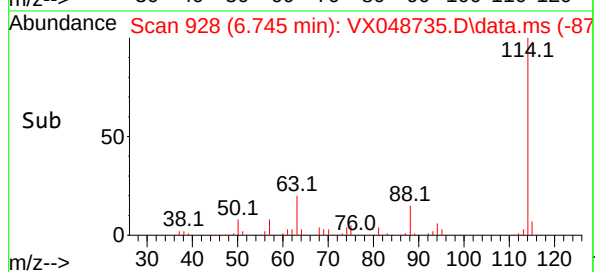
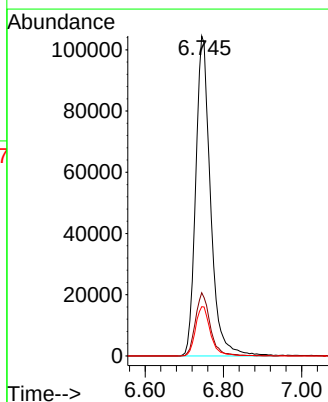
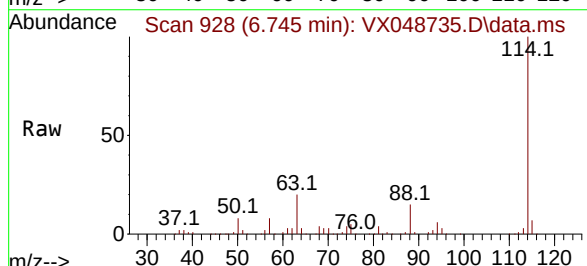
Tgt Ion: 114 Resp: 275147

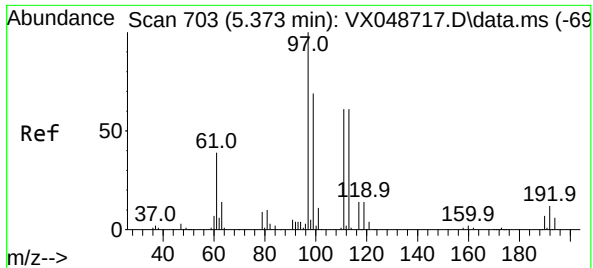
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 39.688 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048735.D

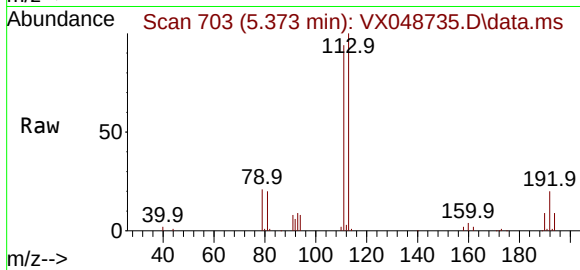
Acq: 05 Dec 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

OW-05B-72-120325



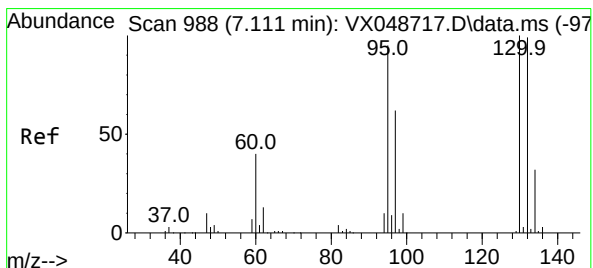
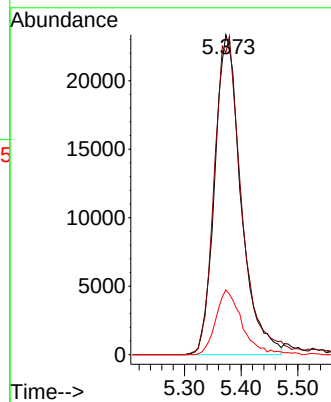
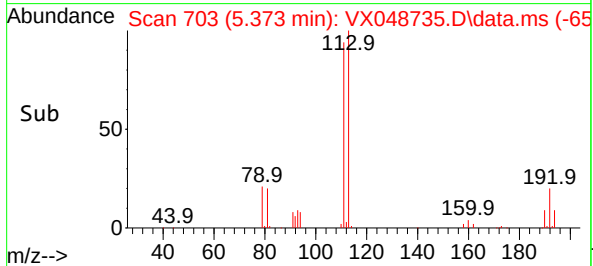
Tgt Ion:113 Resp: 75188

Ion Ratio Lower Upper

113 100

111 103.3 79.5 119.3

192 20.3 16.1 24.1



#44

Trichloroethene

Concen: 0.440 ug/l

RT: 7.110 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX048735.D

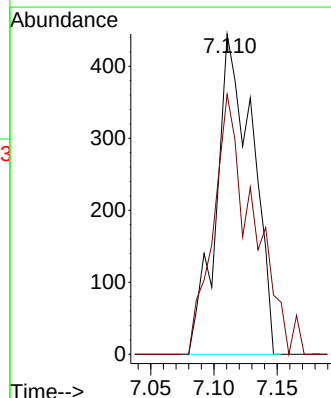
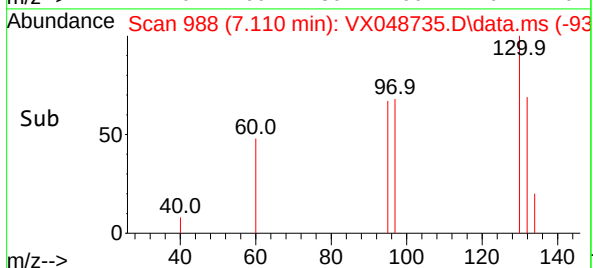
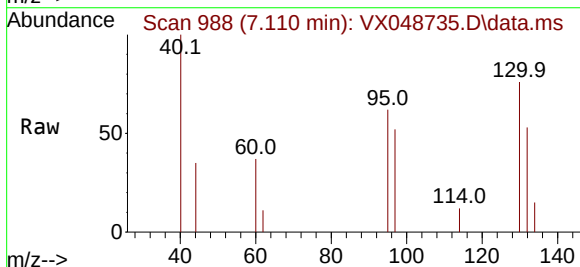
Acq: 05 Dec 2025 14:54

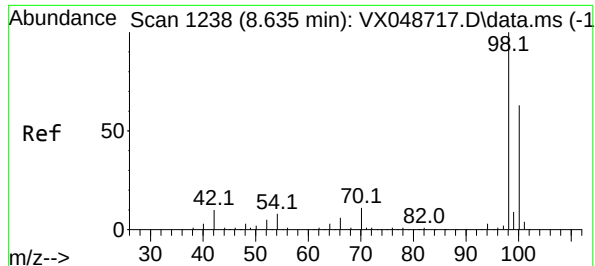
Tgt Ion:130 Resp: 883

Ion Ratio Lower Upper

130 100

95 81.1 0.0 189.6





#50

Toluene-d8

Concen: 38.182 ug/l

RT: 8.635 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

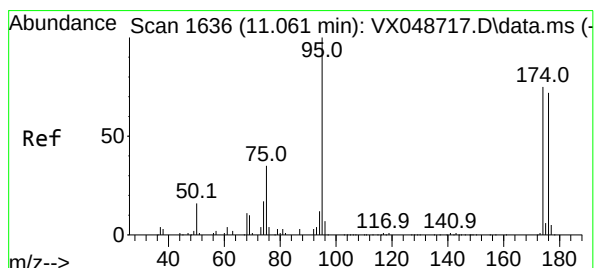
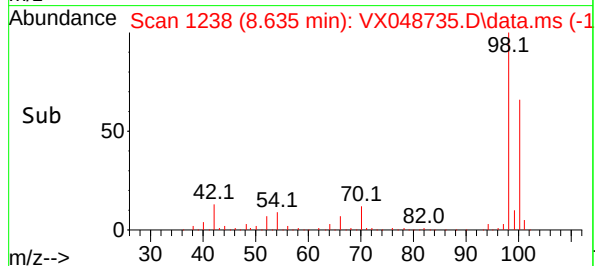
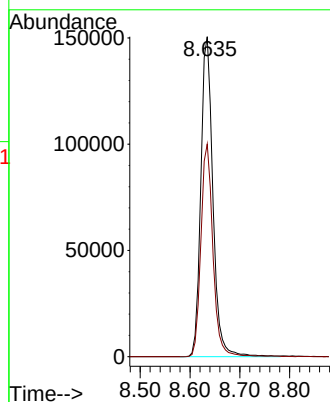
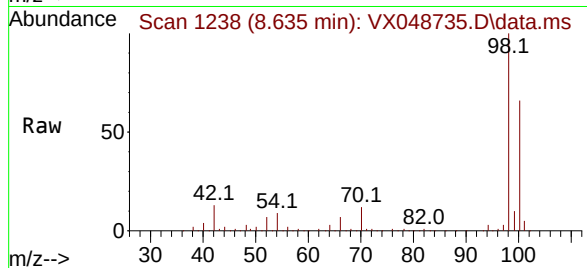
OW-05B-72-120325

Tgt Ion: 98 Resp: 253556

Ion Ratio Lower Upper

98 100

100 66.0 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 45.048 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

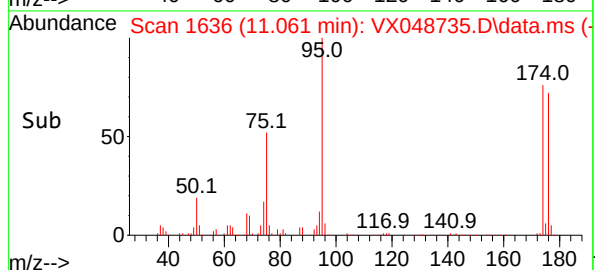
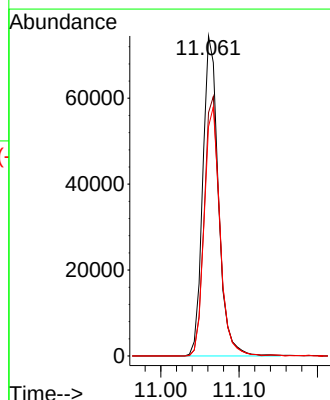
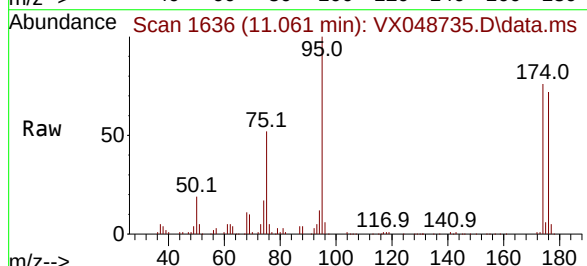
Tgt Ion: 95 Resp: 103159

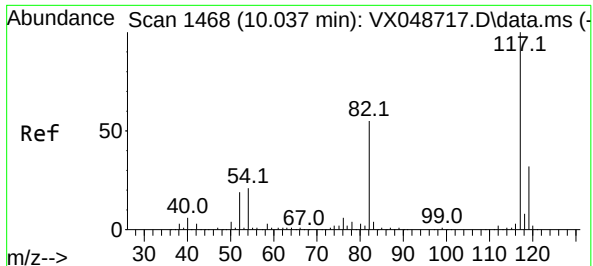
Ion Ratio Lower Upper

95 100

174 80.5 0.0 157.8

176 78.5 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

OW-05B-72-120325

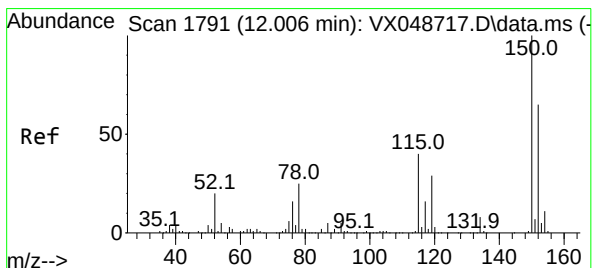
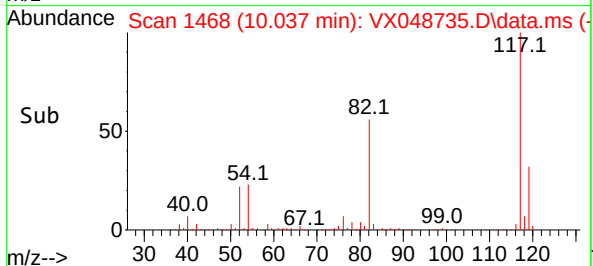
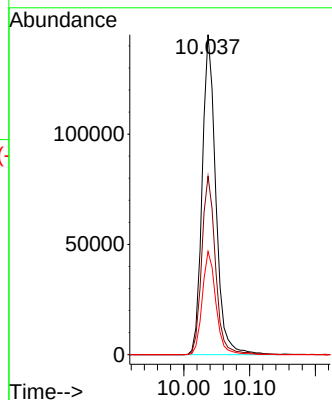
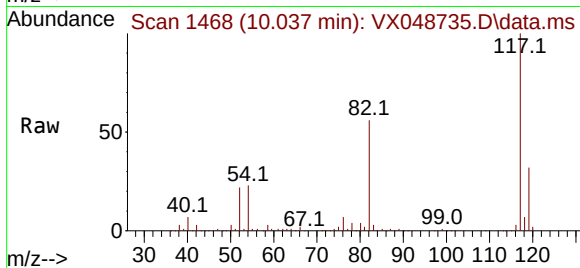
Tgt Ion:117 Resp: 208806

Ion Ratio Lower Upper

117 100

82 55.8 44.1 66.1

119 32.3 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048735.D

Acq: 05 Dec 2025 14:54

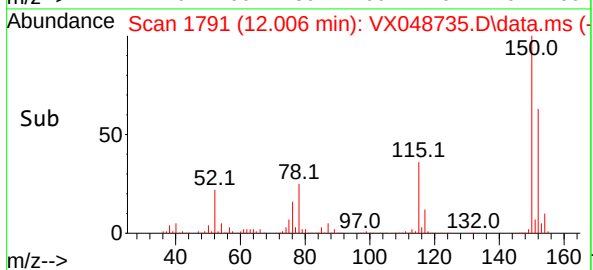
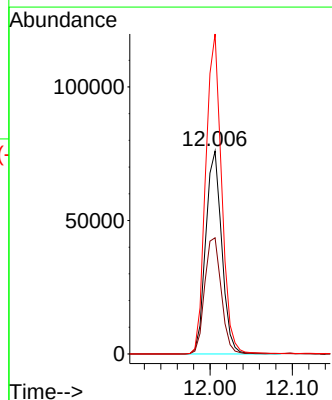
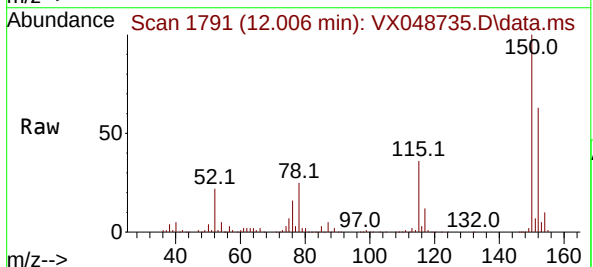
Tgt Ion:152 Resp: 103213

Ion Ratio Lower Upper

152 100

115 59.1 42.1 126.4

150 156.2 0.0 347.8



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

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

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

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

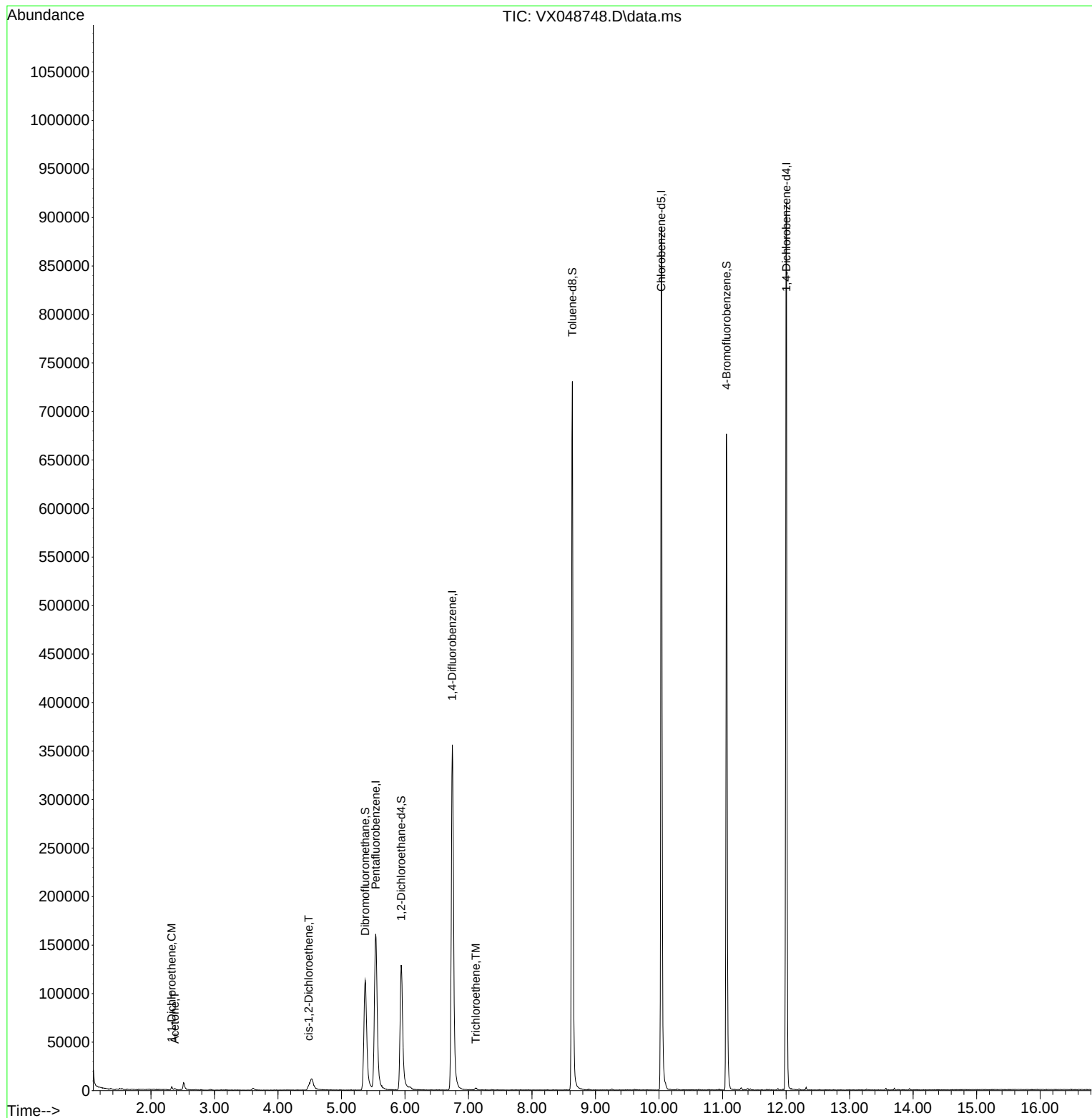
Internal Standards						
1) Pentafluorobenzene	5.537	168	169111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	409831	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	413547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	197728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4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

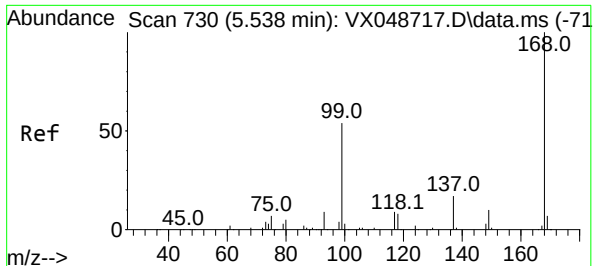
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

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

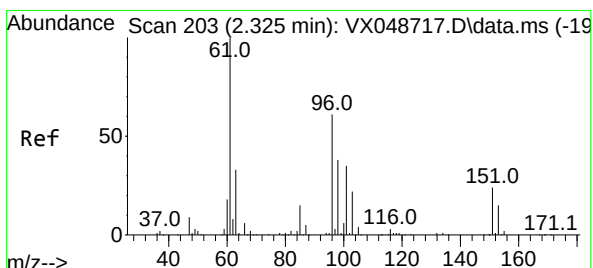
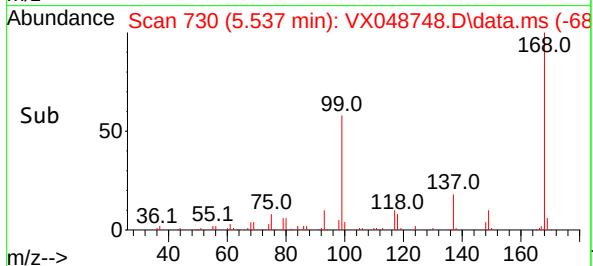
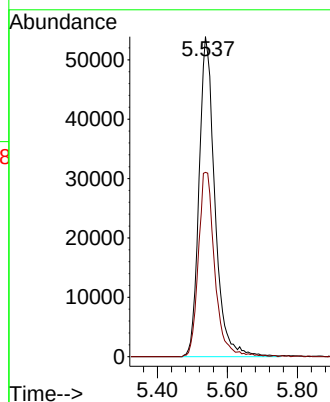
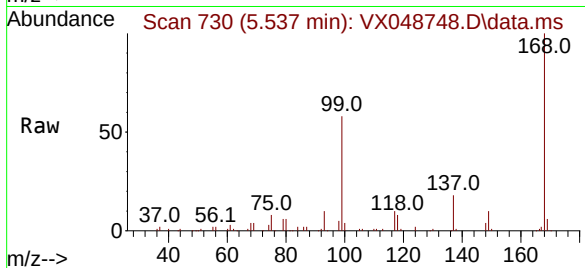




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

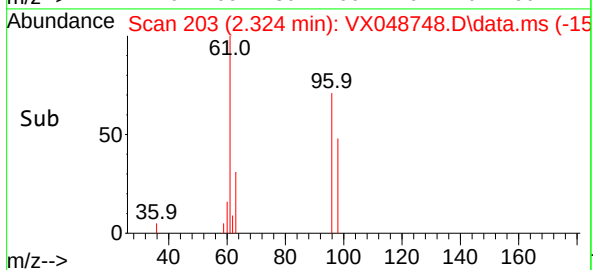
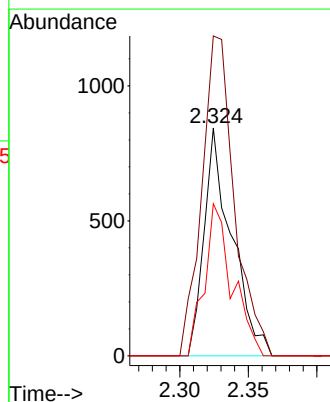
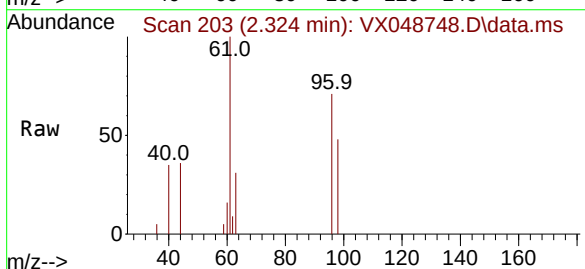
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

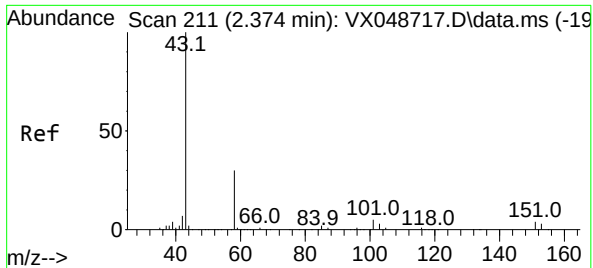
Tgt Ion:168 Resp: 169111
Ion Ratio Lower Upper
168 100
99 57.6 44.2 66.4



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

Tgt Ion: 96 Resp: 1182
Ion Ratio Lower Upper
96 100
61 140.4 130.7 196.1
98 66.7 49.8 74.8

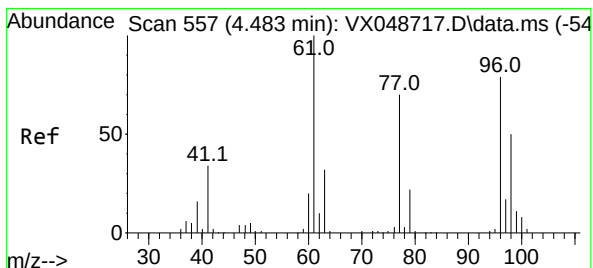
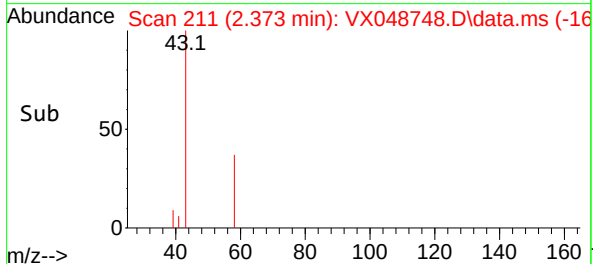
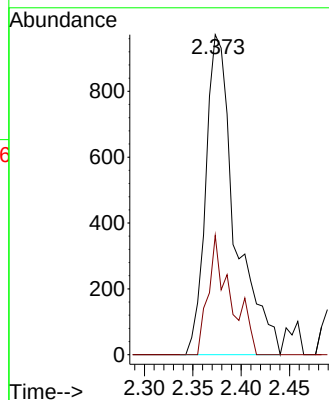
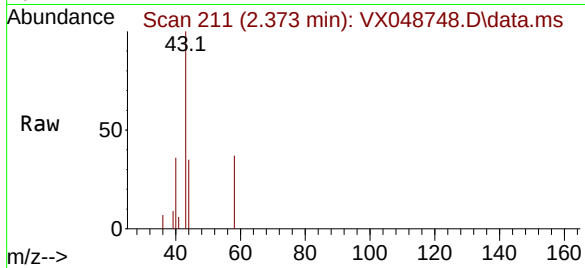




#16
Acetone
Concen: 2.370 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048748.D
Acq: 08 Dec 2025 12:53

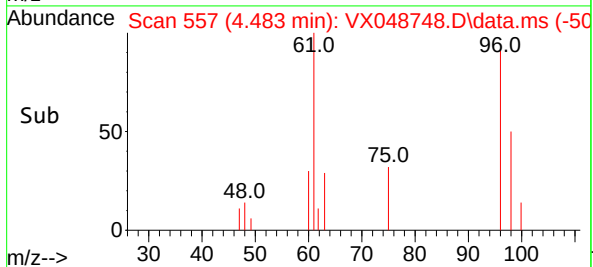
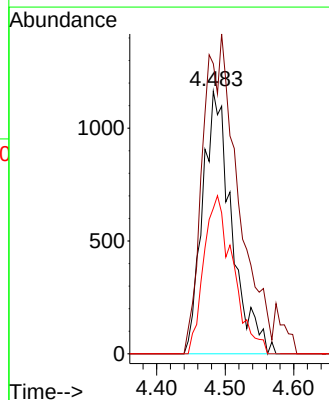
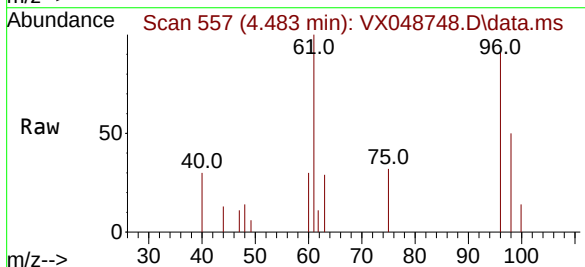
Instrument :
MSVOA_X
ClientSampleId :
OW-05B-72-120325RE

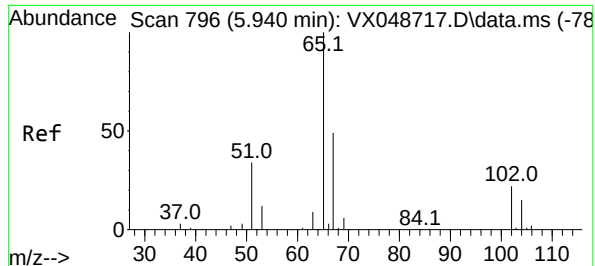
Tgt Ion: 43 Resp: 2059
Ion Ratio Lower Upper
43 100
58 37.2 25.0 37.4



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

Tgt Ion: 96 Resp: 3429
Ion Ratio Lower Upper
96 100
61 67.6 0.0 271.0
98 61.1 0.0 130.2





#33

1,2-Dichloroethane-d4

Concen: 62.880 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

Instrument :

MSVOA_X

ClientSampleId :

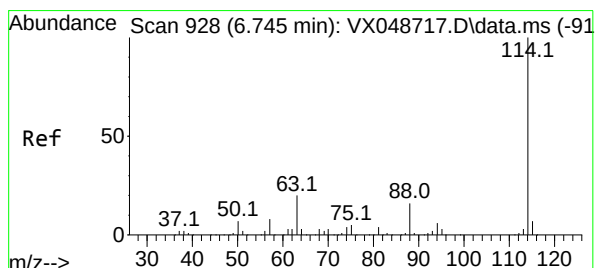
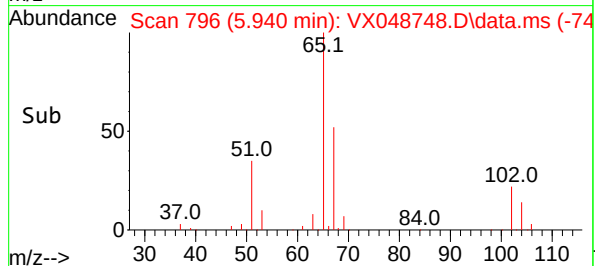
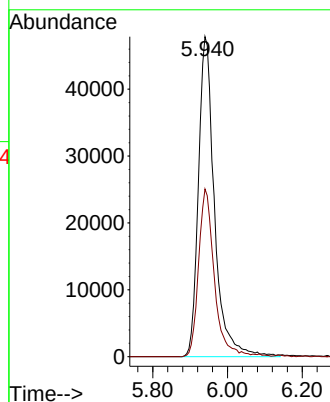
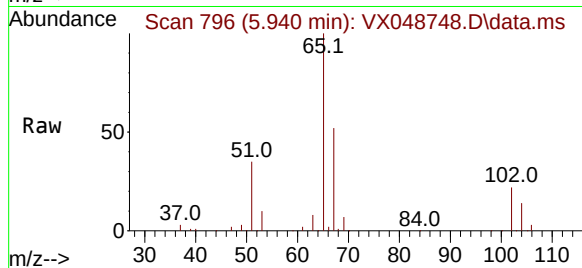
OW-05B-72-120325RE

Tgt Ion: 65 Resp: 142724

Ion Ratio Lower Upper

65 100

67 51.7 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.744 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

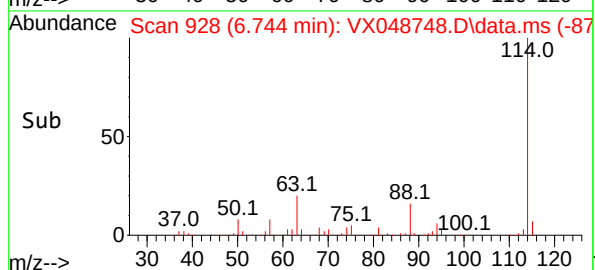
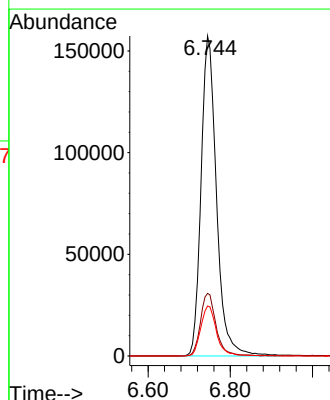
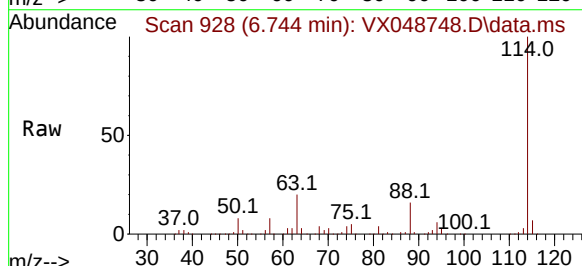
Tgt Ion: 114 Resp: 409831

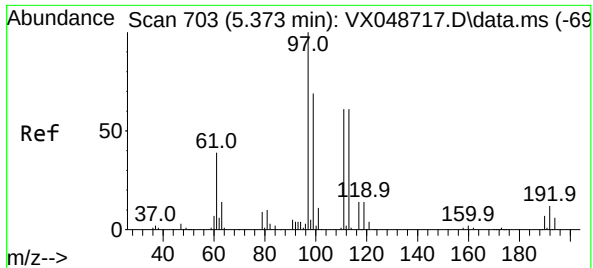
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 39.613 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048748.D

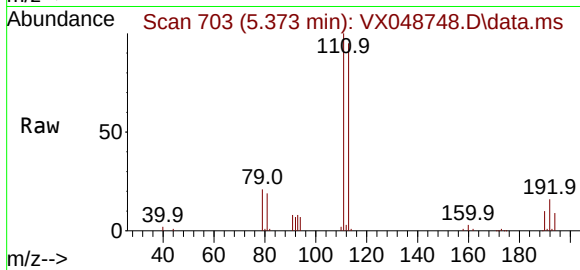
Acq: 08 Dec 2025 12:53

Instrument :

MSVOA_X

ClientSampleId :

OW-05B-72-120325RE



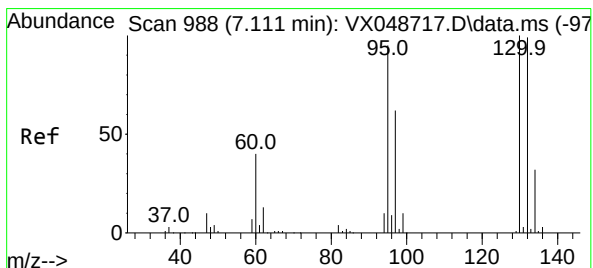
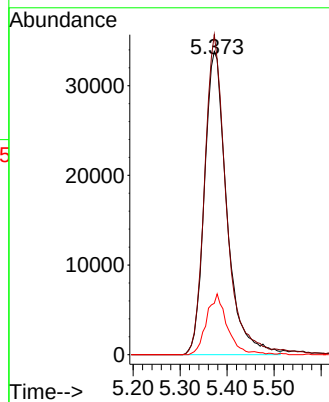
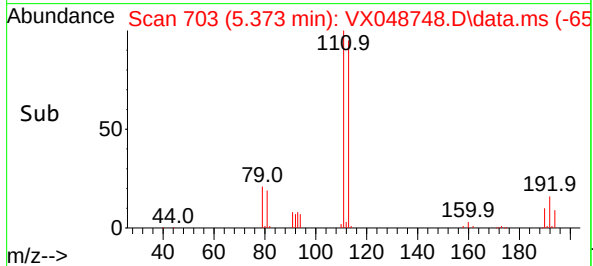
Tgt Ion:113 Resp: 111782

Ion Ratio Lower Upper

113 100

111 103.7 79.5 119.3

192 18.7 16.1 24.1



#44

Trichloroethene

Concen: 0.251 ug/l

RT: 7.116 min Scan# 989

Delta R.T. 0.006 min

Lab File: VX048748.D

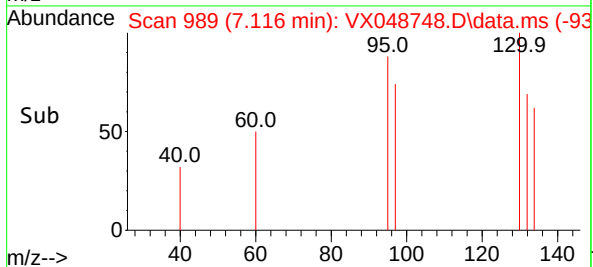
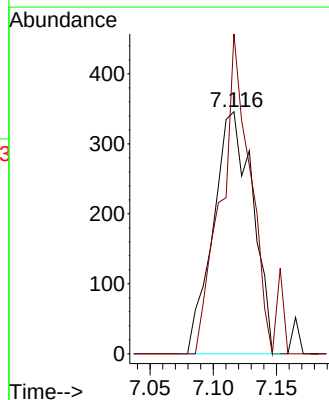
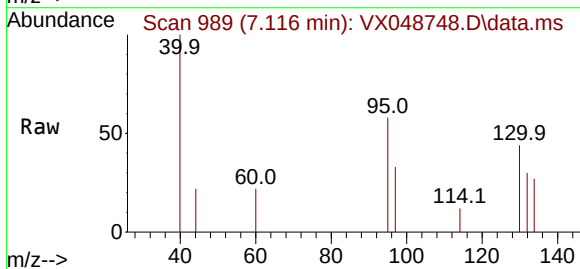
Acq: 08 Dec 2025 12:53

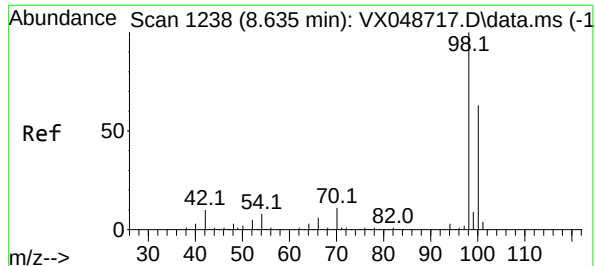
Tgt Ion:130 Resp: 749

Ion Ratio Lower Upper

130 100

95 132.1 0.0 189.6





#50

Toluene-d8

Concen: 47.039 ug/l

RT: 8.634 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

Instrument :

MSVOA_X

ClientSampleId :

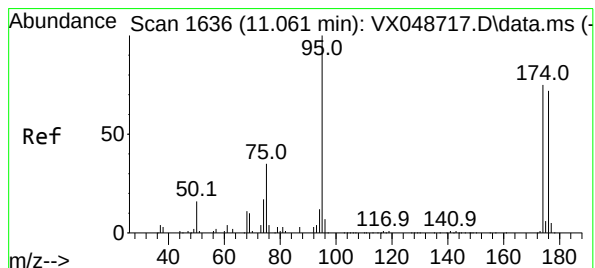
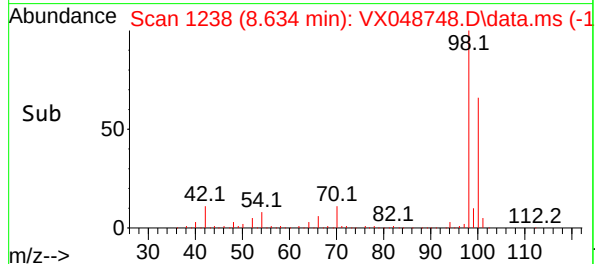
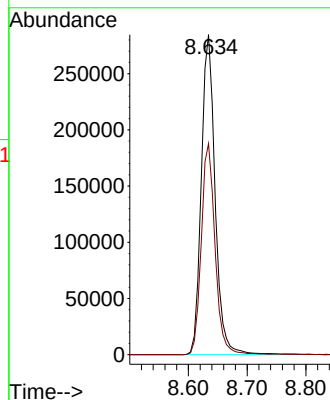
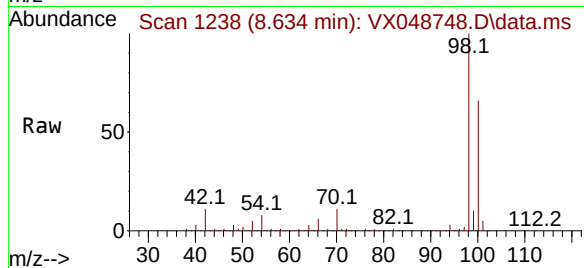
OW-05B-72-120325RE

Tgt Ion: 98 Resp: 465280

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 56.102 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

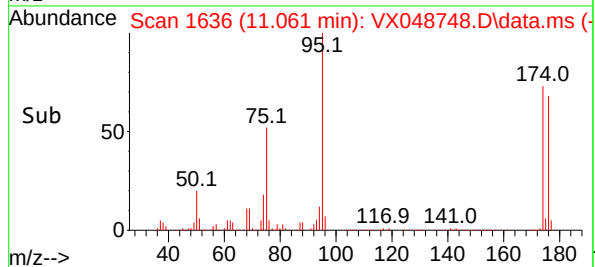
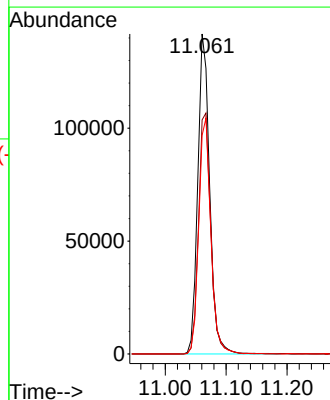
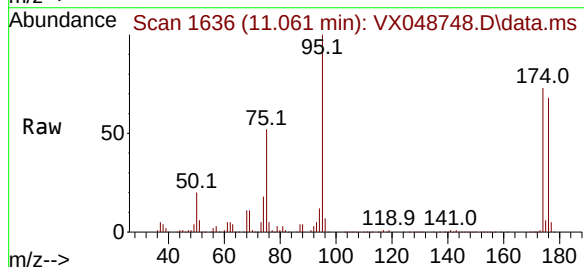
Tgt Ion: 95 Resp: 191359

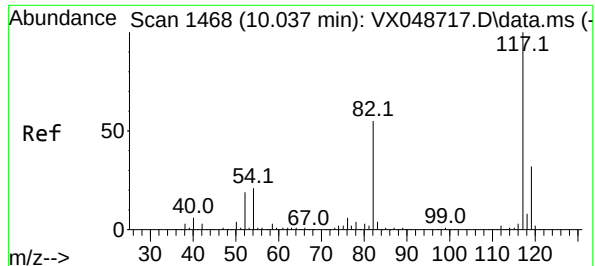
Ion Ratio Lower Upper

95 100

174 77.9 0.0 157.8

176 75.0 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.036 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

Instrument :

MSVOA_X

ClientSampleId :

OW-05B-72-120325RE

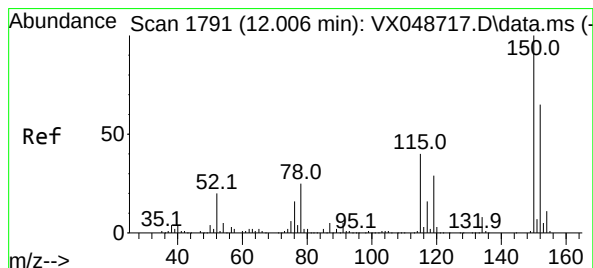
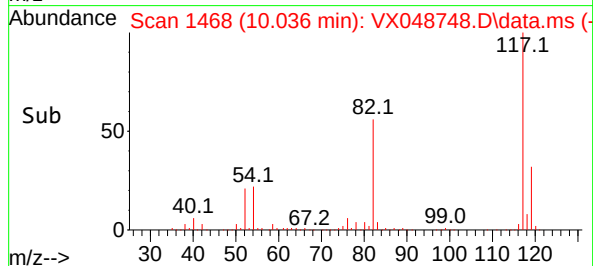
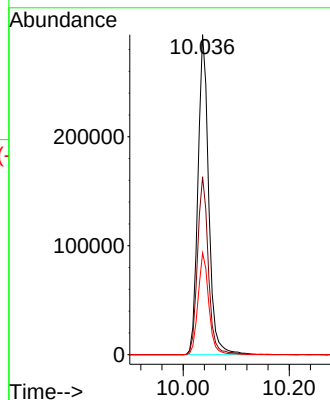
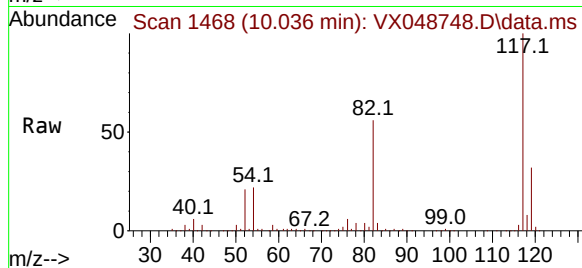
Tgt Ion:117 Resp: 413547

Ion Ratio Lower Upper

117 100

82 55.6 44.1 66.1

119 31.8 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048748.D

Acq: 08 Dec 2025 12:53

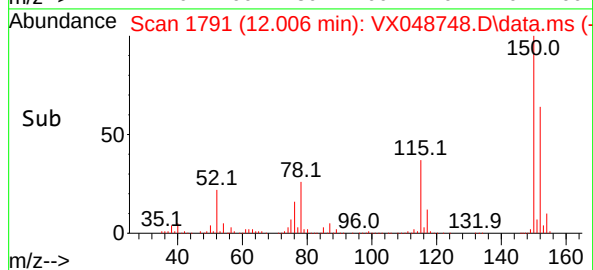
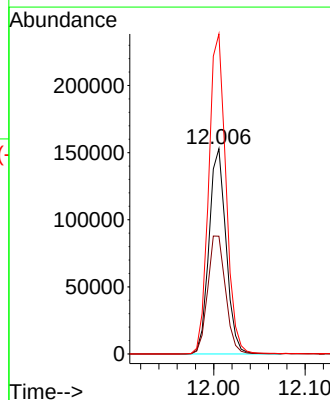
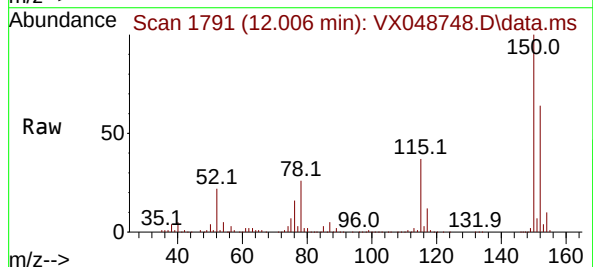
Tgt Ion:152 Resp: 197728

Ion Ratio Lower Upper

152 100

115 60.2 42.1 126.4

150 157.5 0.0 347.8



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

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-120325

Manual Integrations APPROVED

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

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

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

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

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

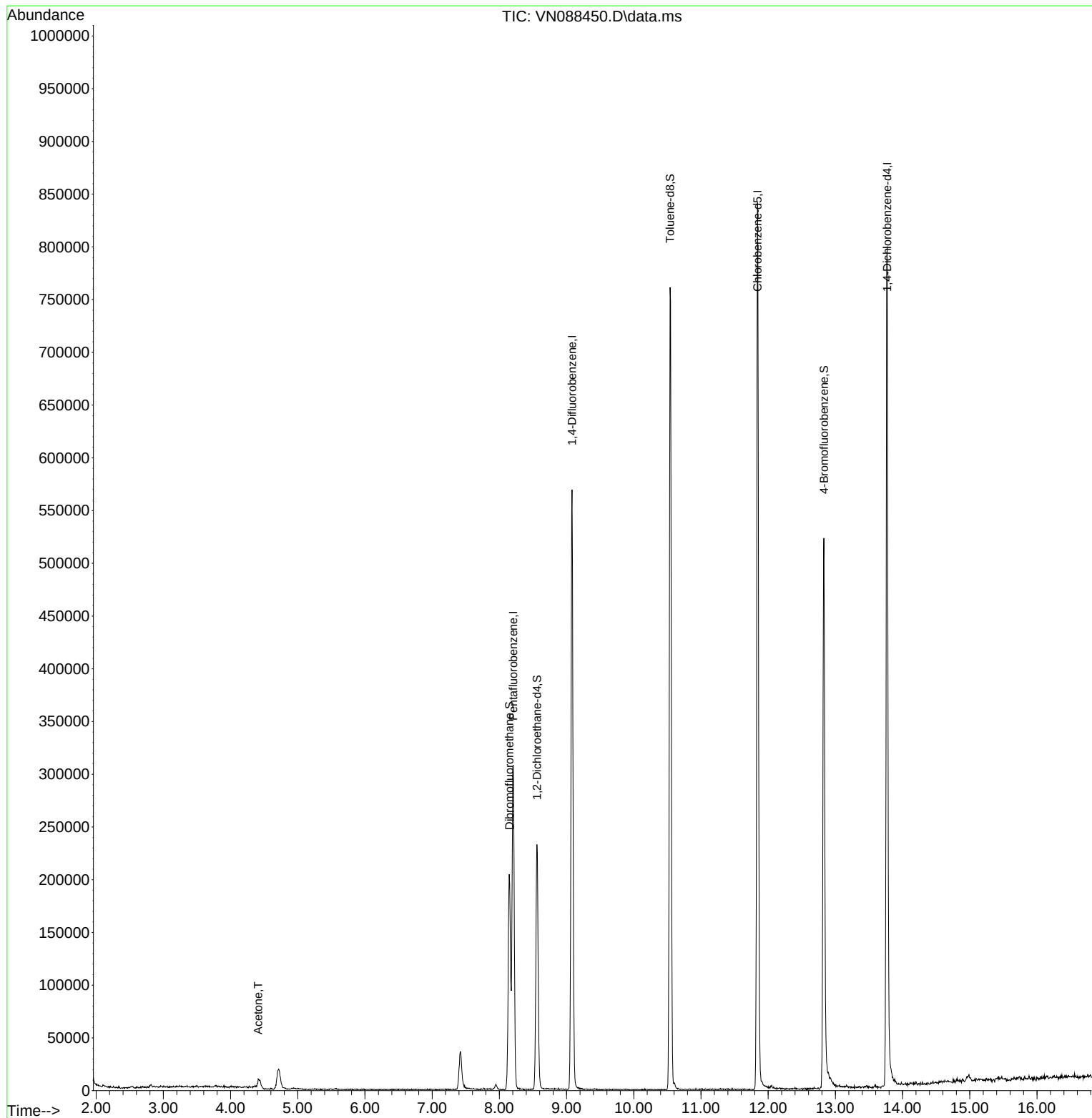
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088450.D
Acq On : 04 Dec 2025 16:48
Operator : JC\MD
Sample : Q3757-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

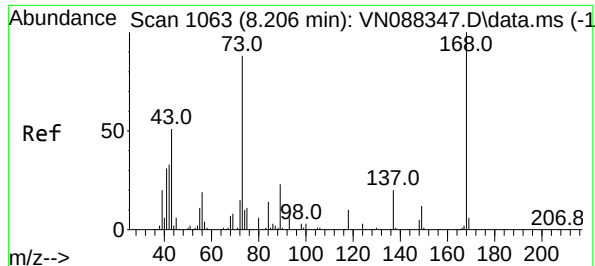
Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

Manual Integrations
APPROVED

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

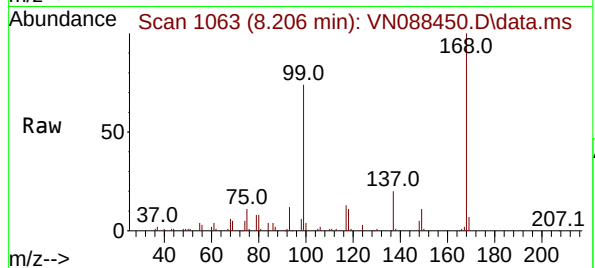
Quant Time: Dec 05 00:18:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

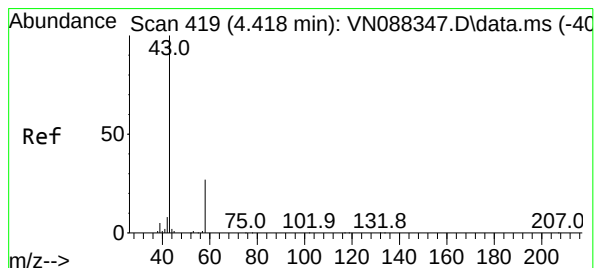
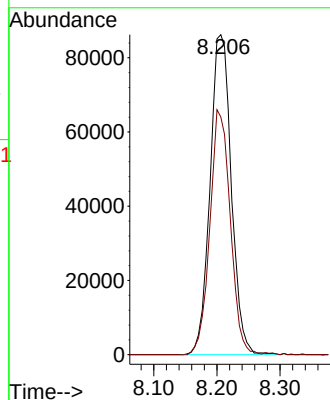
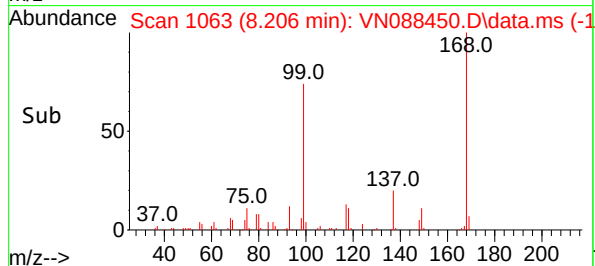
Instrument :
MSVOA_N
ClientSampleId :
EB01-120325



Tgt Ion:168 Resp: 20175
Ion Ratio Lower Upper
168 100
99 74.3 57.1 85.7

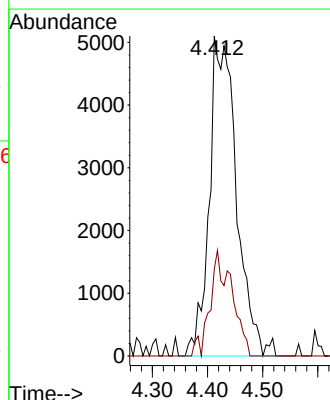
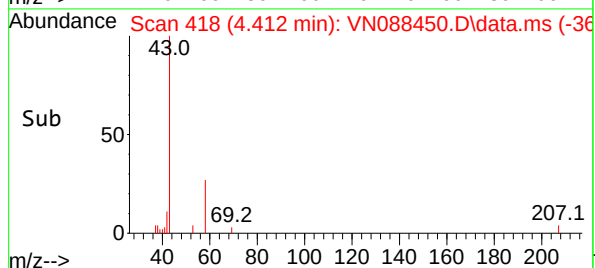
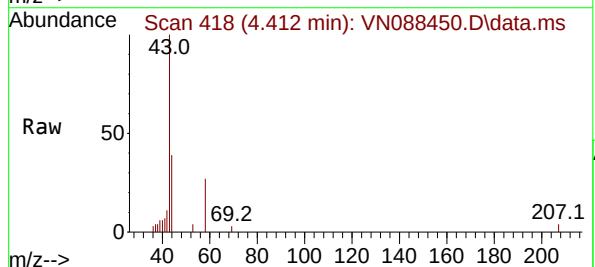
Manual Integrations
APPROVED

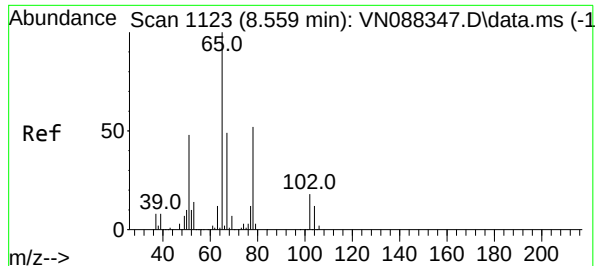
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



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

Tgt Ion: 43 Resp: 17456
Ion Ratio Lower Upper
43 100
58 27.1 21.7 32.5





#33

1,2-Dichloroethane-d4

Concen: 53.633 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088450.D

Acq: 04 Dec 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

EB01-120325

Tgt Ion: 65 Resp: 203838

Ion Ratio Lower Upper

65 100

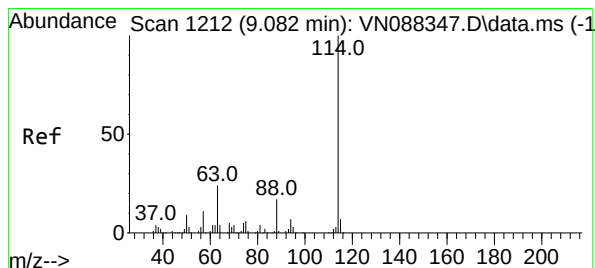
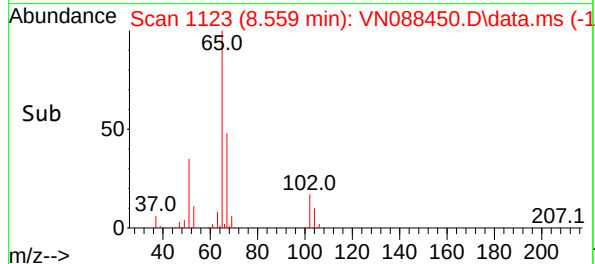
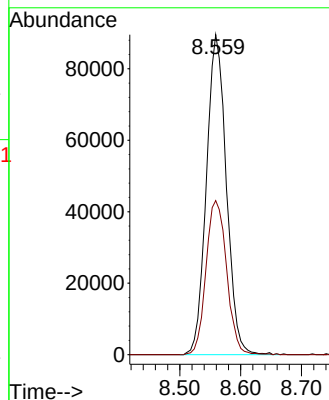
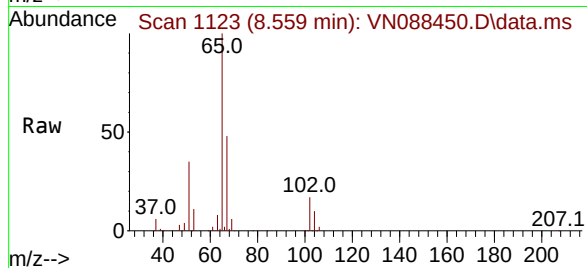
67 49.7 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088450.D

Acq: 04 Dec 2025 16:48

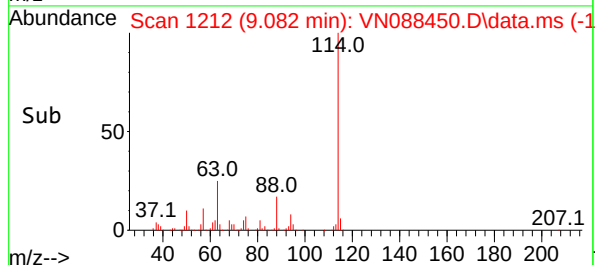
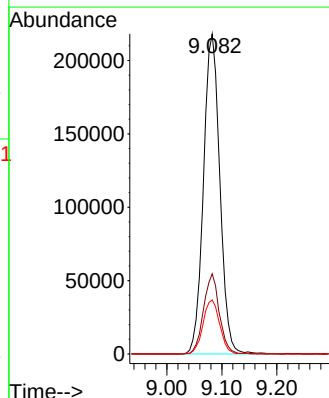
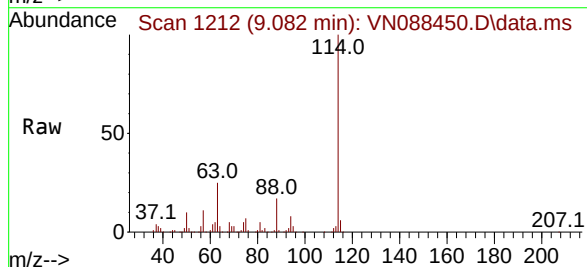
Tgt Ion:114 Resp: 451562

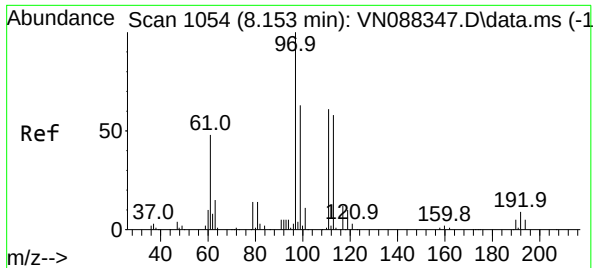
Ion Ratio Lower Upper

114 100

63 25.0 0.0 49.0

88 16.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.867 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088450.D

Acq: 04 Dec 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

EB01-120325

Tgt Ion:113 Resp: 146660

Ion Ratio Lower Upper

113 100

111 101.9 82.5 123.7

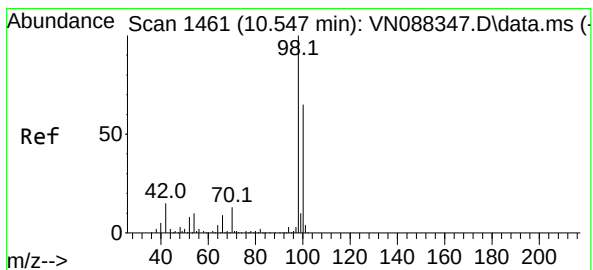
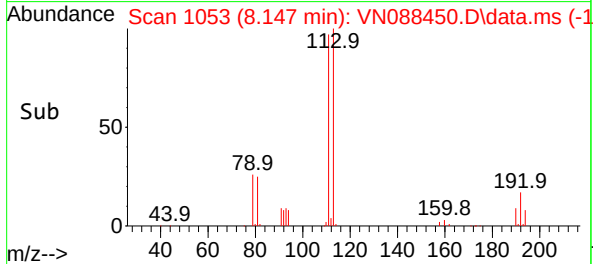
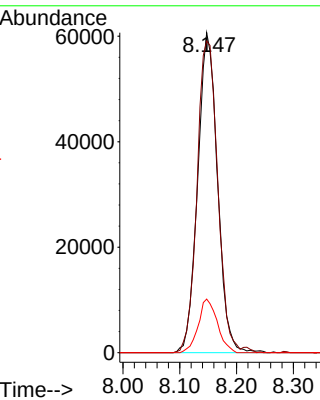
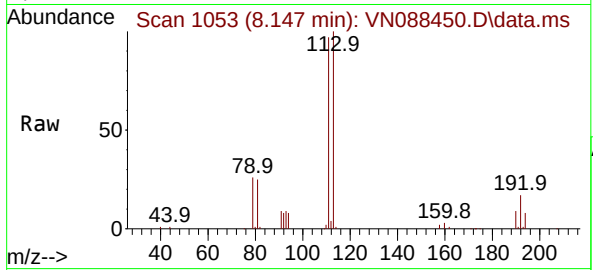
192 16.2 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025



#50

Toluene-d8

Concen: 44.349 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088450.D

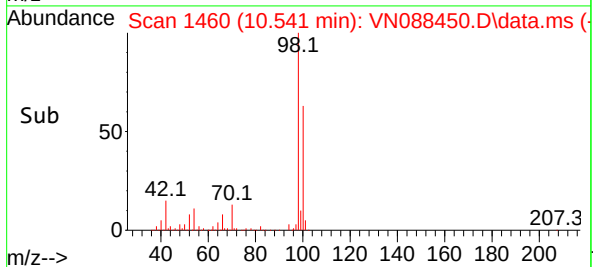
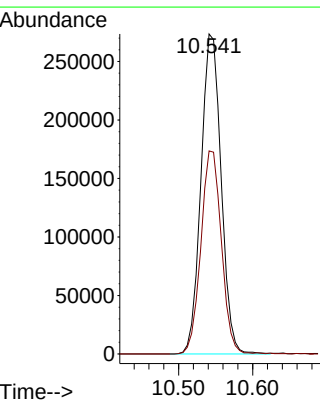
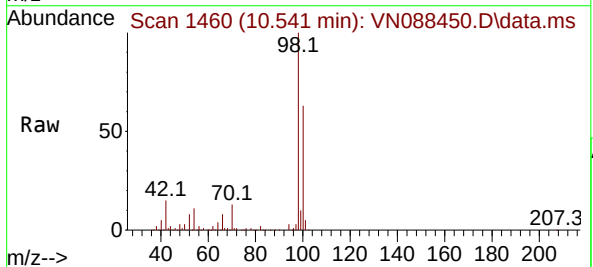
Acq: 04 Dec 2025 16:48

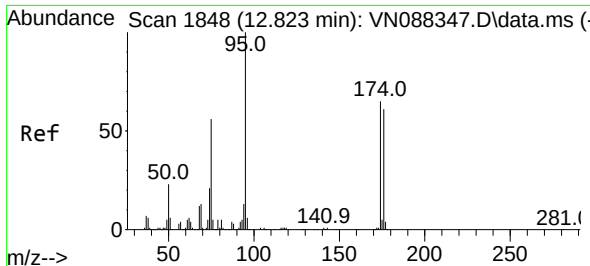
Tgt Ion: 98 Resp: 516378

Ion Ratio Lower Upper

98 100

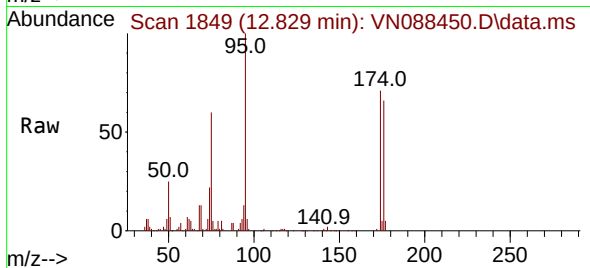
100 64.5 52.2 78.2





#62
4-Bromofluorobenzene
Concen: 49.526 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

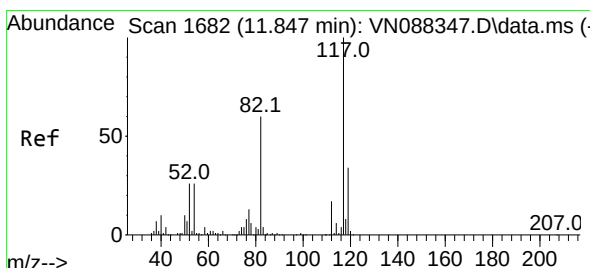
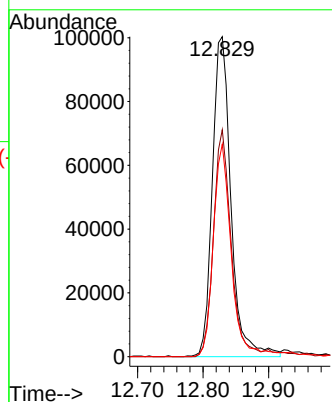
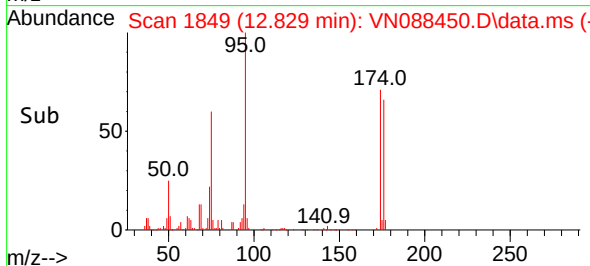
Instrument :
MSVOA_N
ClientSampleId :
EB01-120325



Tgt Ion: 95 Resp: 197862
Ion Ratio Lower Upper
95 100
174 66.5 0.0 139.0
176 64.3 0.0 132.4

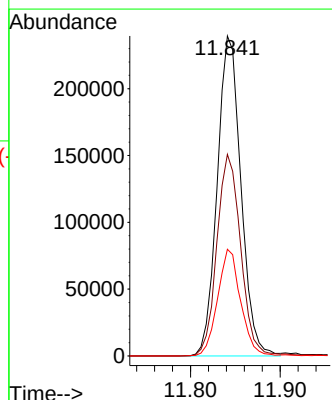
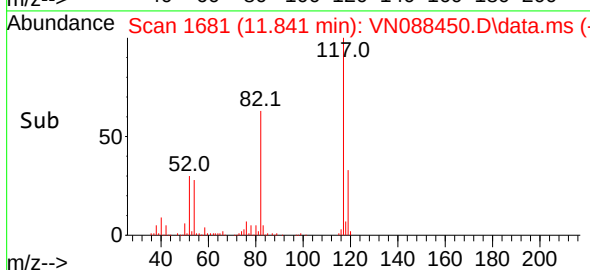
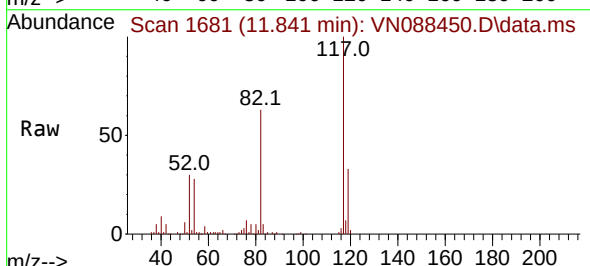
Manual Integrations
APPROVED

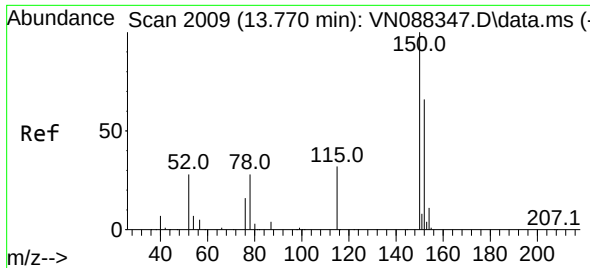
Reviewed By :John Carlone 12/05/2025
Supervised By :Semsettin Yesilyurt 12/05/2025



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

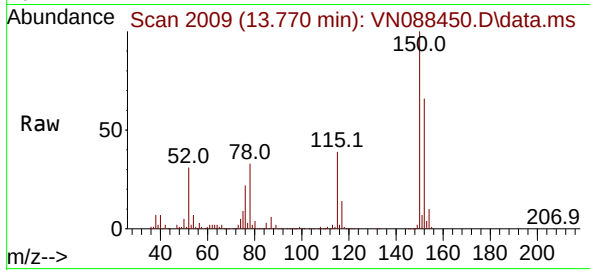
Tgt Ion:117 Resp: 439722
Ion Ratio Lower Upper
117 100
82 63.0 47.8 71.8
119 33.4 26.9 40.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

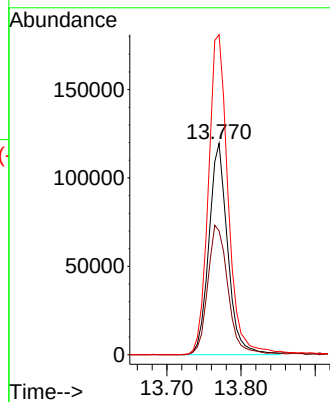
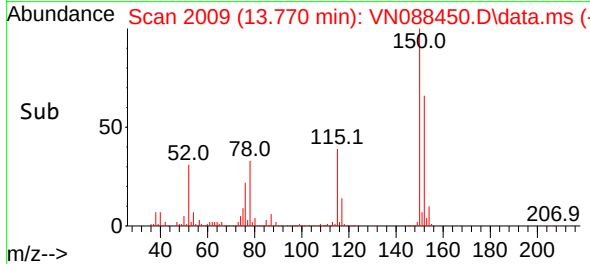
Instrument :
MSVOA_N
ClientSampleId :
EB01-120325



Tgt Ion:152 Resp: 210580
Ion Ratio Lower Upper
152 100
115 66.3 33.0 98.9
150 160.2 0.0 349.0

Manual Integrations
APPROVED

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



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

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-120325

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

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

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

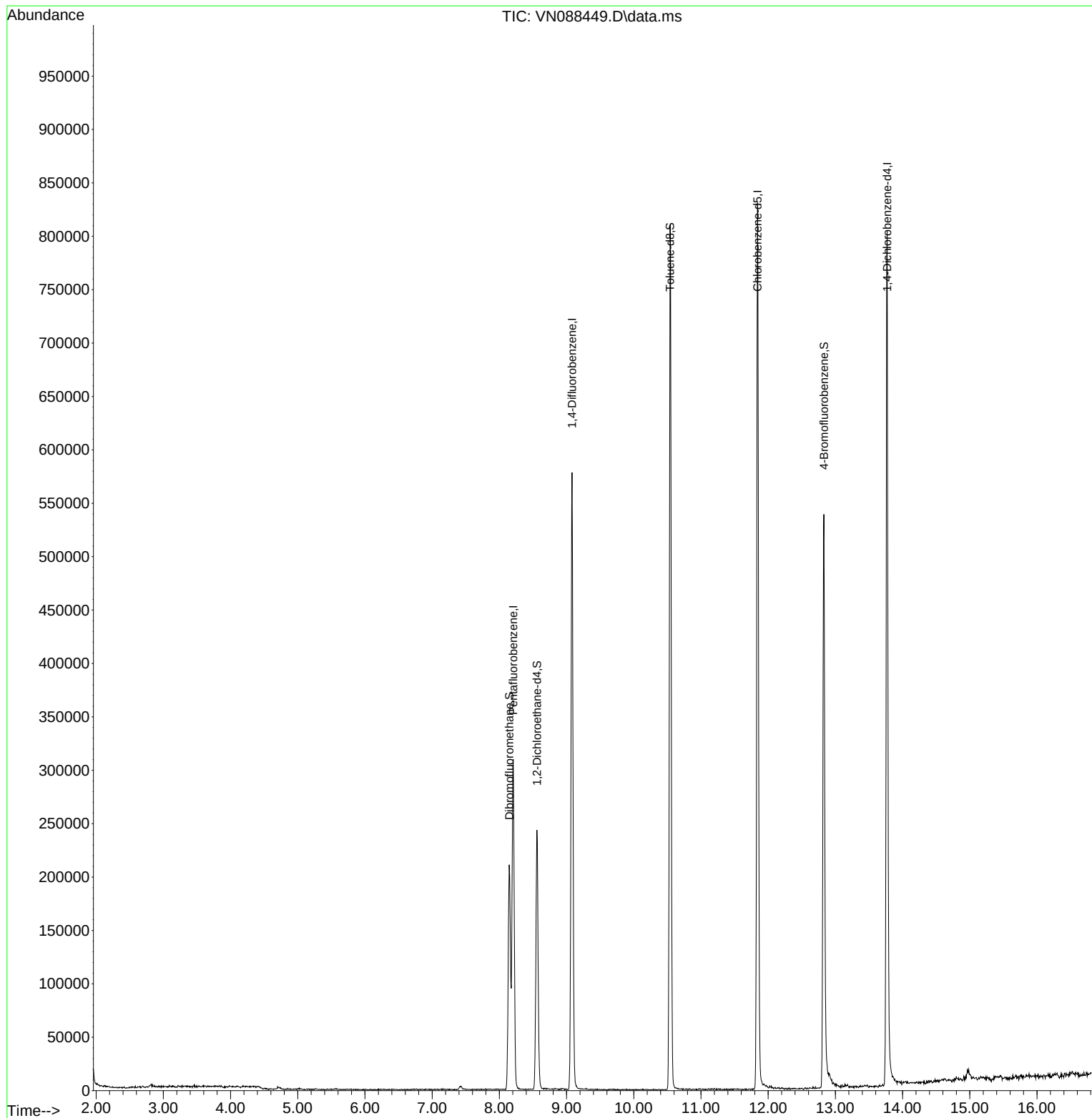
Target Compounds	Qvalue

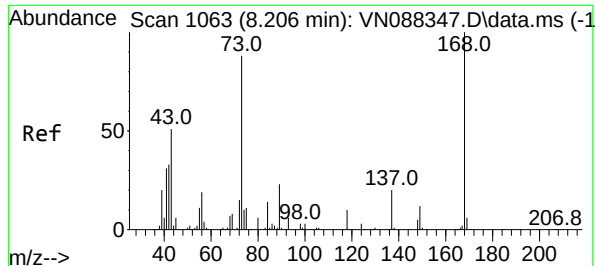
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_N
ClientSampleId :
TB01-120325

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

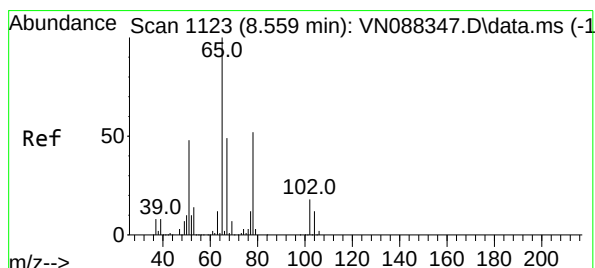
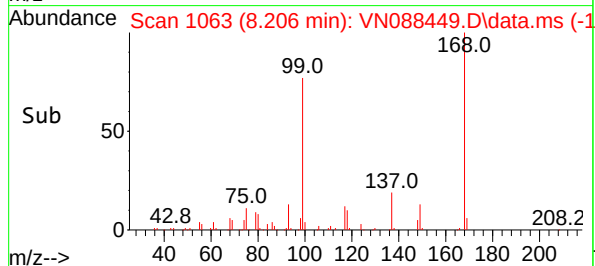
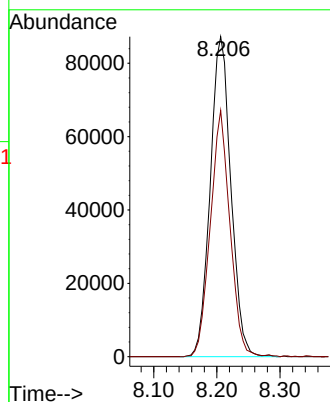
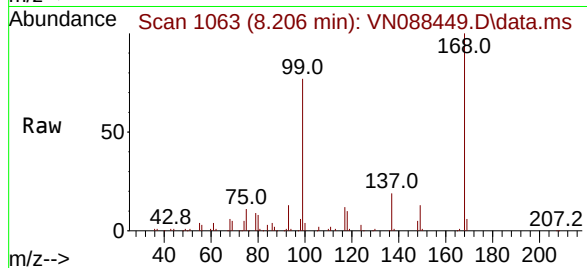




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

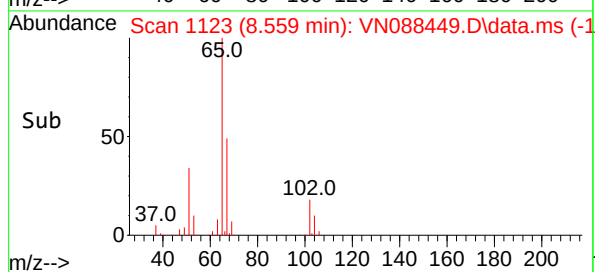
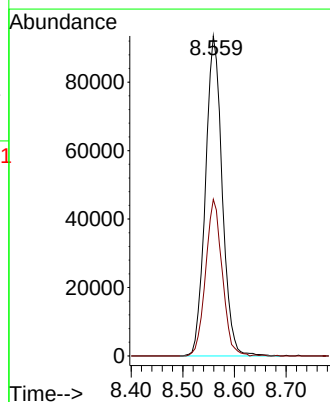
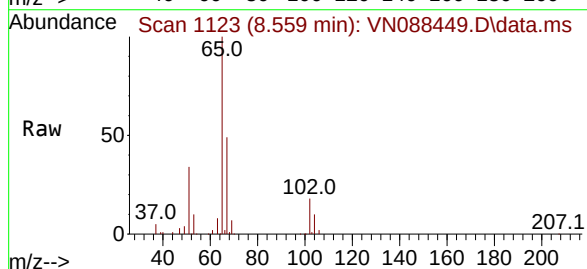
Instrument :
MSVOA_N
ClientSampleId :
TB01-120325

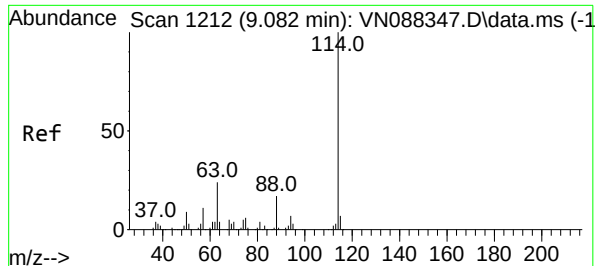
Tgt Ion:168 Resp: 198228
Ion Ratio Lower Upper
168 100
99 77.0 57.1 85.7



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

Tgt Ion: 65 Resp: 210629
Ion Ratio Lower Upper
65 100
67 48.4 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088449.D

Acq: 04 Dec 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

TB01-120325

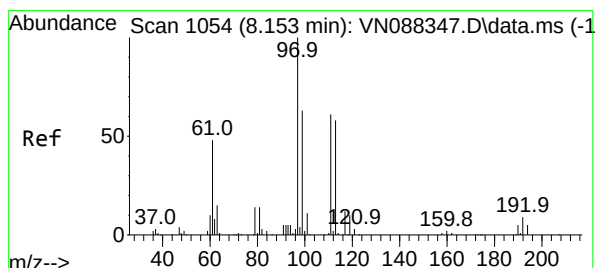
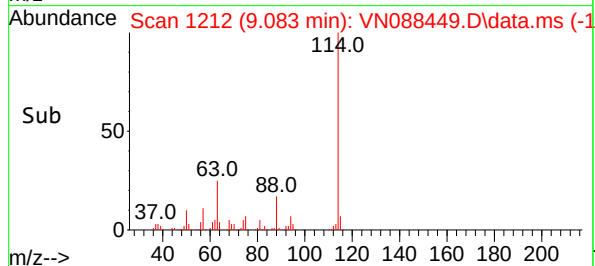
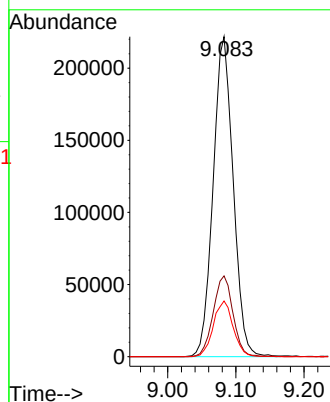
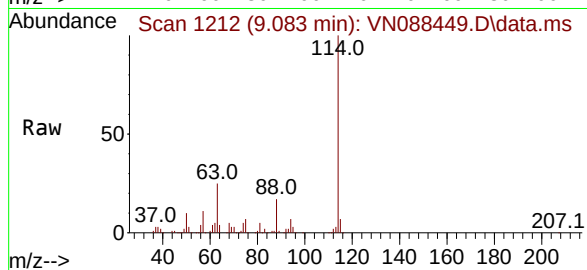
Tgt Ion:114 Resp: 454339

Ion Ratio Lower Upper

114 100

63 25.2 0.0 49.0

88 17.4 0.0 34.0



#35

Dibromofluoromethane

Concen: 47.146 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088449.D

Acq: 04 Dec 2025 16:28

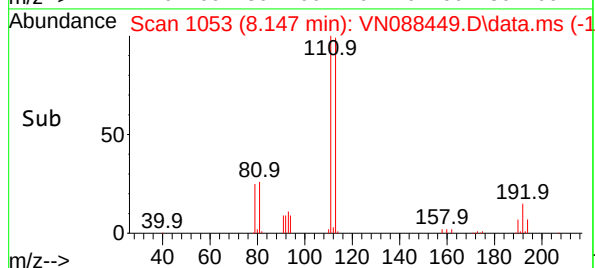
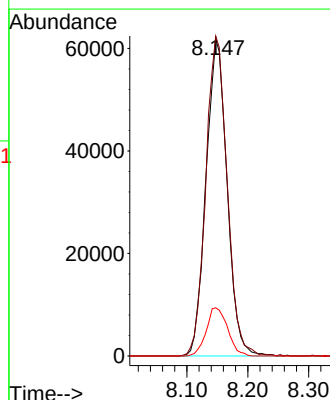
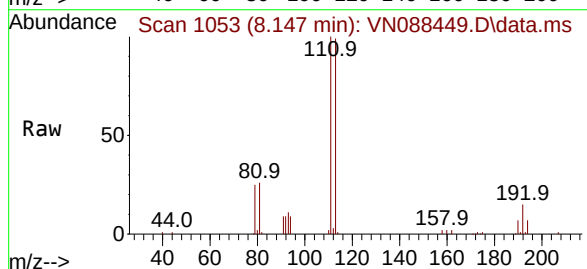
Tgt Ion:113 Resp: 148440

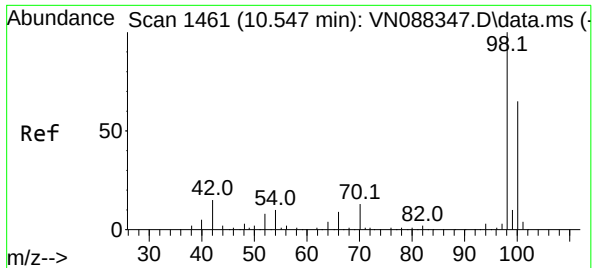
Ion Ratio Lower Upper

113 100

111 102.4 82.5 123.7

192 15.4 12.8 19.2

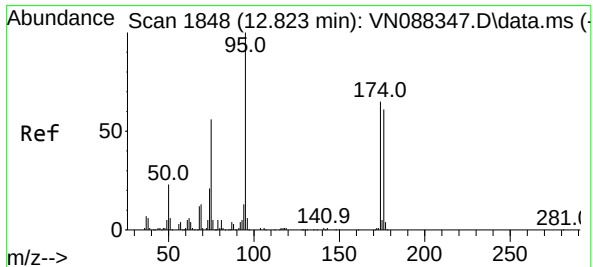
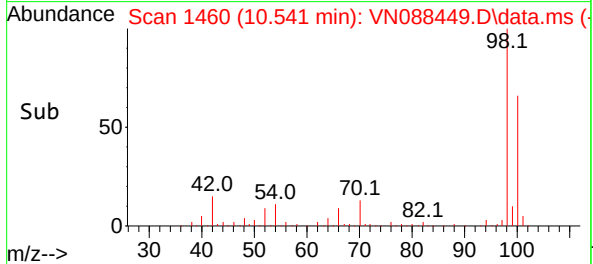
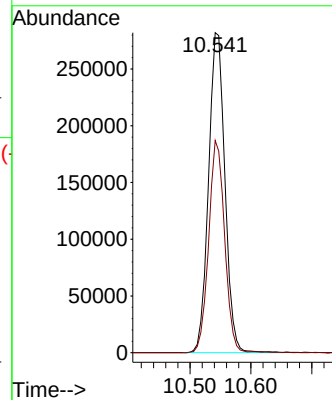
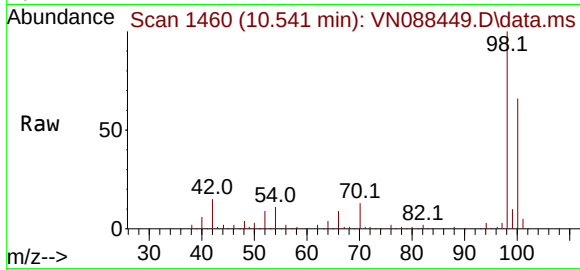




#50
Toluene-d8
Concen: 45.047 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088449.D
Acq: 04 Dec 2025 16:28

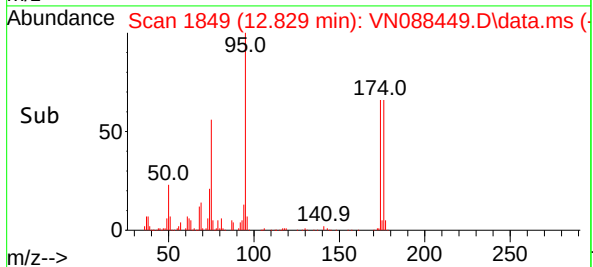
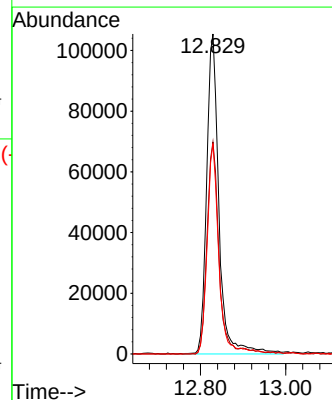
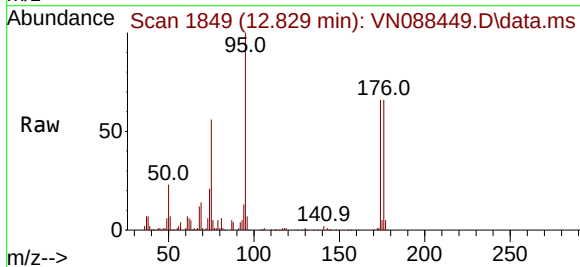
Instrument :
MSVOA_N
ClientSampleId :
TB01-120325

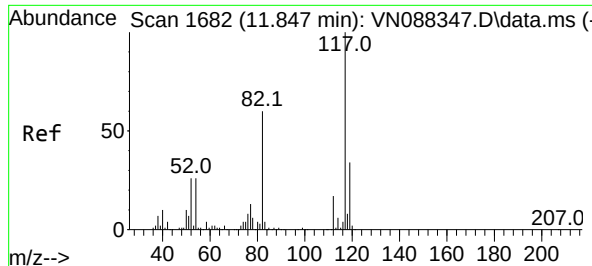
Tgt Ion: 98 Resp: 527723
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



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

Tgt Ion: 95 Resp: 210610
Ion Ratio Lower Upper
95 100
174 62.5 0.0 139.0
176 62.3 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088449.D

Acq: 04 Dec 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

TB01-120325

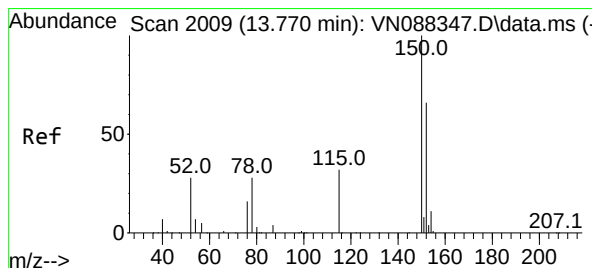
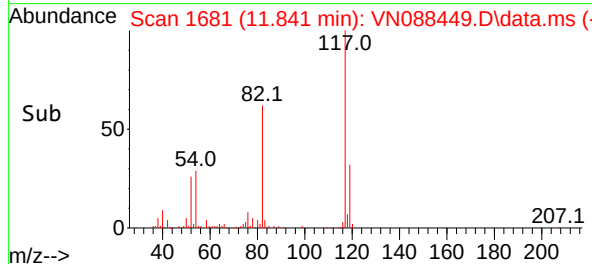
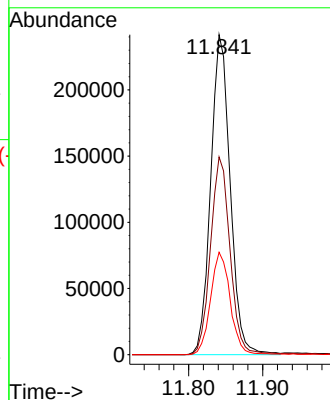
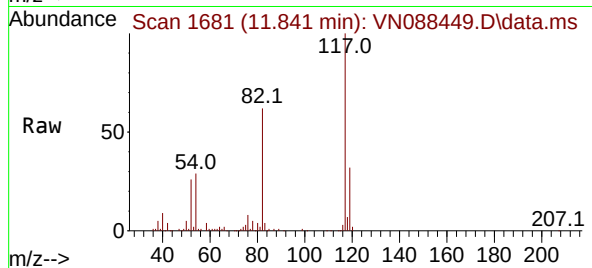
Tgt Ion:117 Resp: 441078

Ion Ratio Lower Upper

117 100

82 61.8 47.8 71.8

119 32.0 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN088449.D

Acq: 04 Dec 2025 16:28

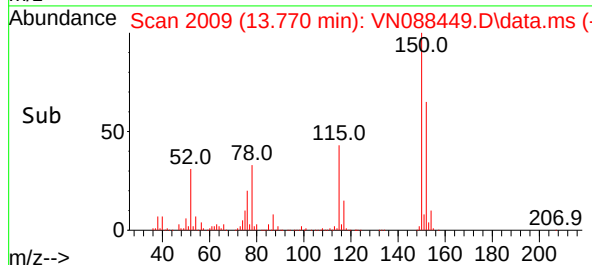
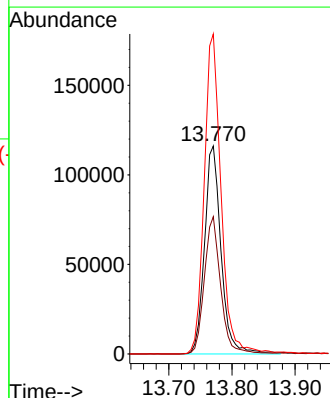
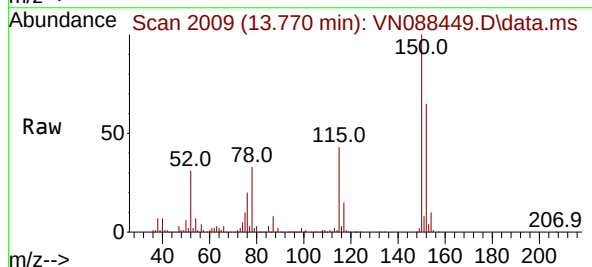
Tgt Ion:152 Resp: 211349

Ion Ratio Lower Upper

152 100

115 65.0 33.0 98.9

150 156.8 0.0 349.0



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

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

A
B
C
D
E
F
G
H
I
J

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

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	236600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	556948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	555675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	258091	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	275126	61.728	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	123.460%
35) Dibromofluoromethane	8.147	113	196090	50.805	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.620%
50) Toluene-d8	10.541	98	670134	46.664	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.320%
62) 4-Bromofluorobenzene	12.829	95	246023	49.929	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.860%

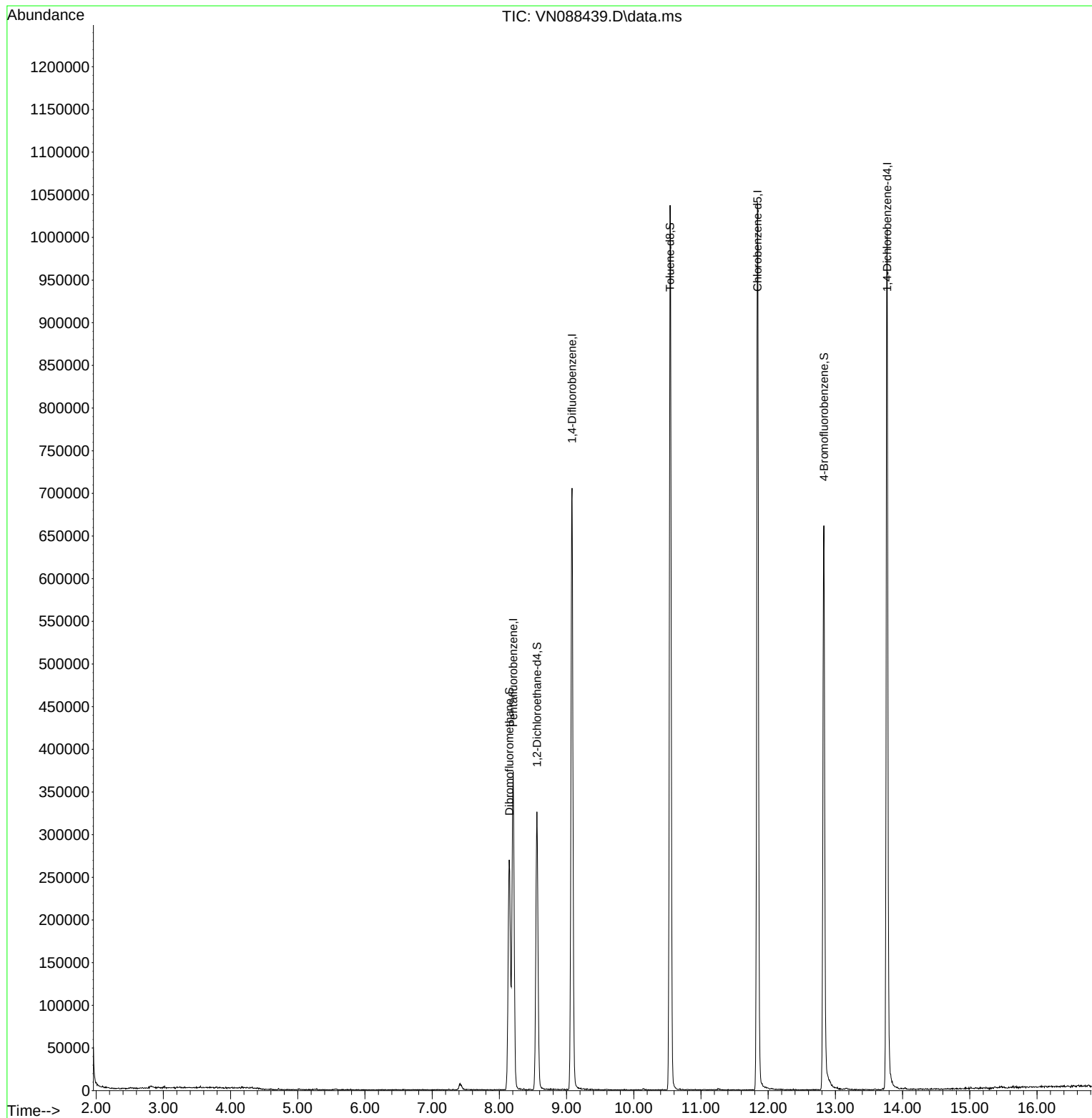
Target Compounds	Qvalue

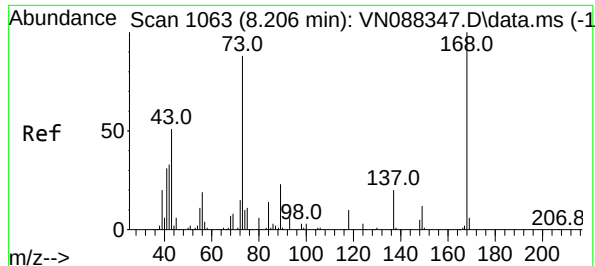
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

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

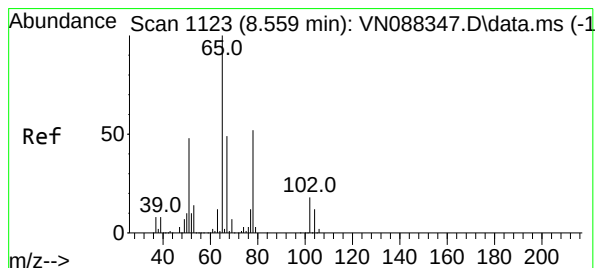
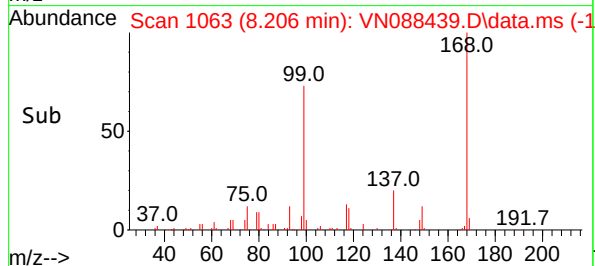
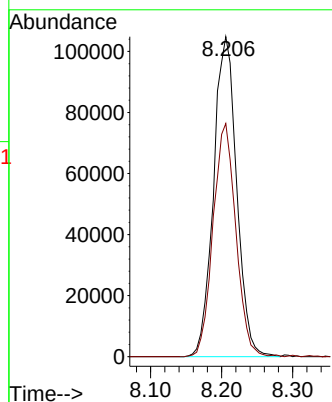
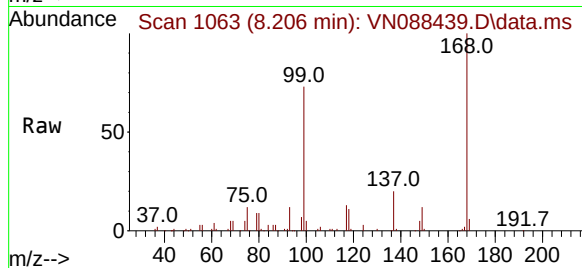




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088439.D
Acq: 04 Dec 2025 12:38

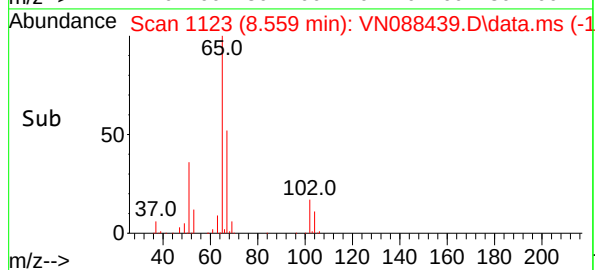
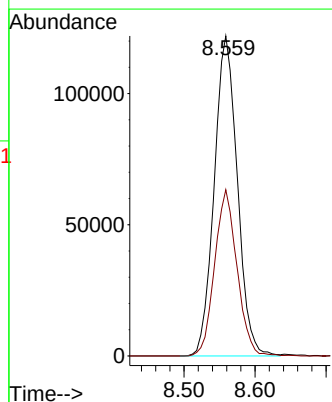
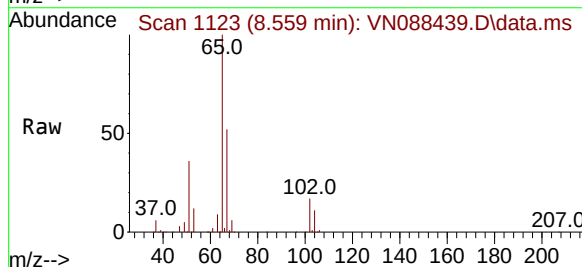
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

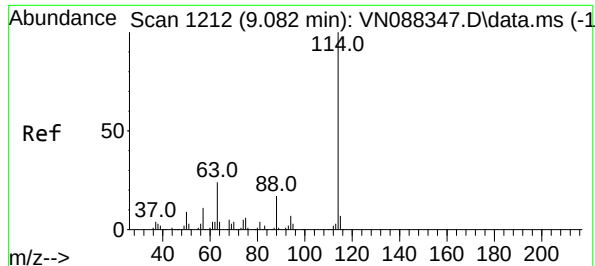
Tgt Ion:168 Resp: 236600
Ion Ratio Lower Upper
168 100
99 72.9 57.1 85.7



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

Tgt Ion: 65 Resp: 275126
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBL01

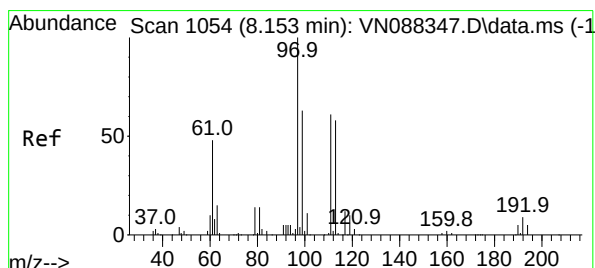
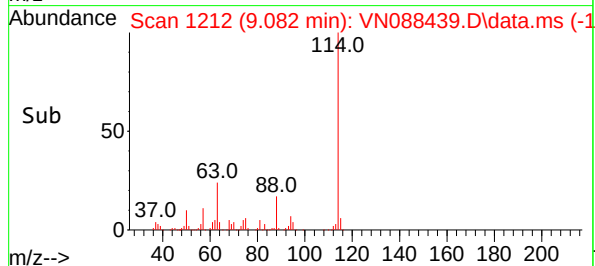
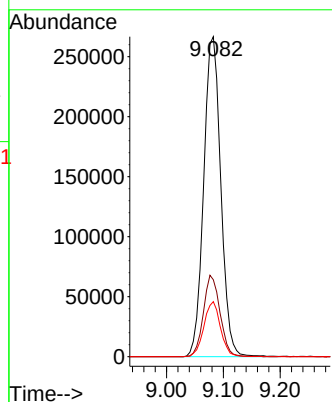
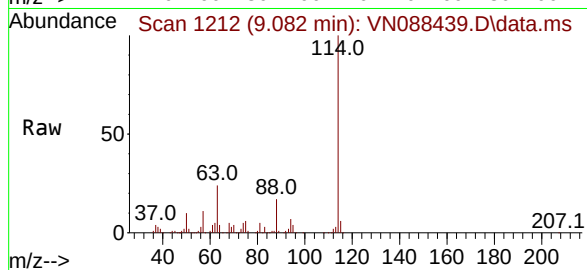
Tgt Ion:114 Resp: 556948

Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.0

88 17.2 0.0 34.0



#35

Dibromofluoromethane

Concen: 50.805 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

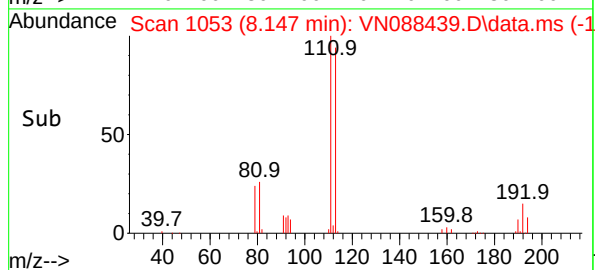
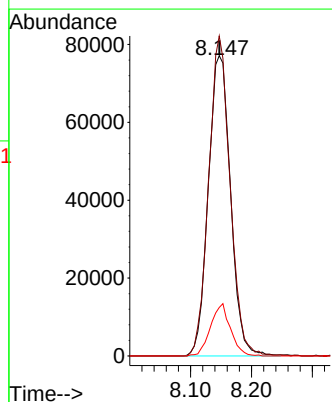
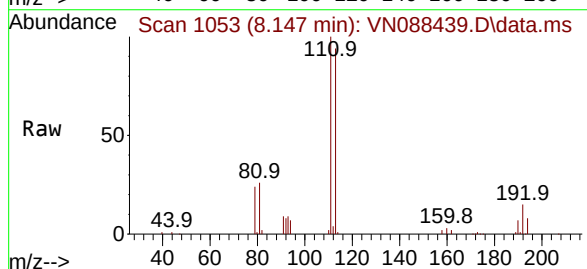
Tgt Ion:113 Resp: 196090

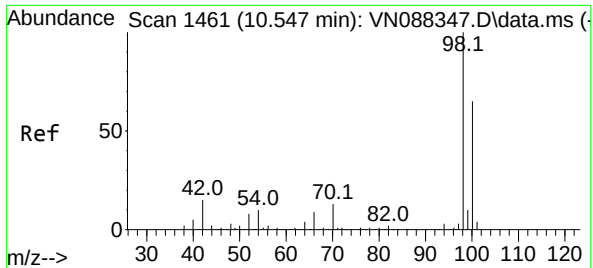
Ion Ratio Lower Upper

113 100

111 102.2 82.5 123.7

192 15.6 12.8 19.2

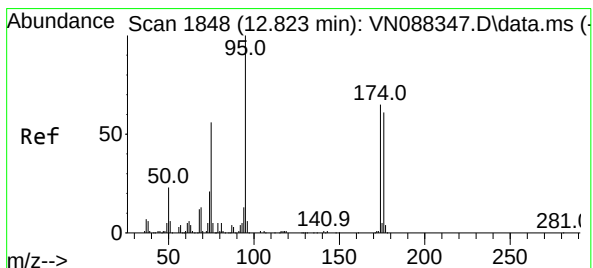
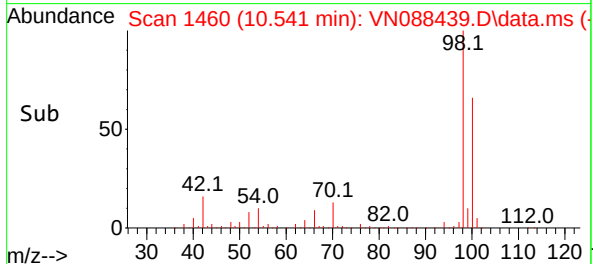
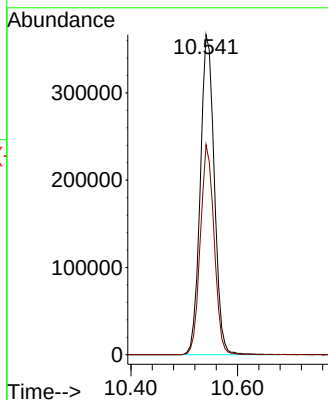
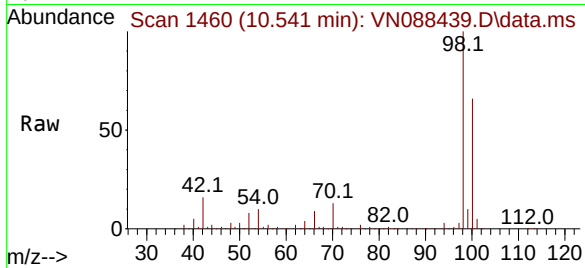




#50
Toluene-d8
Concen: 46.664 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088439.D
Acq: 04 Dec 2025 12:38

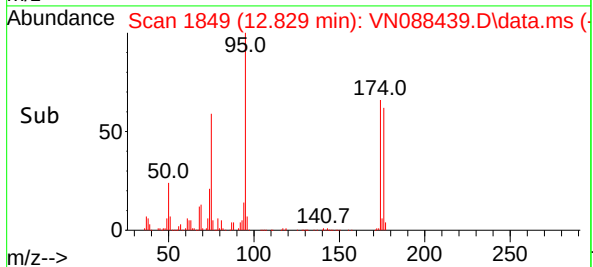
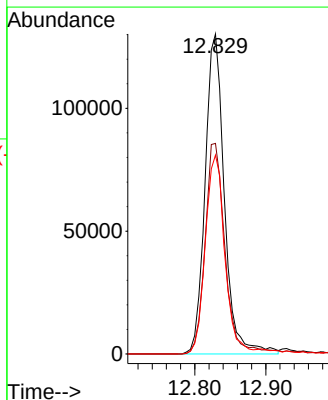
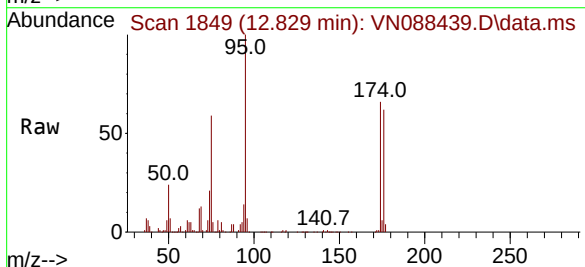
Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

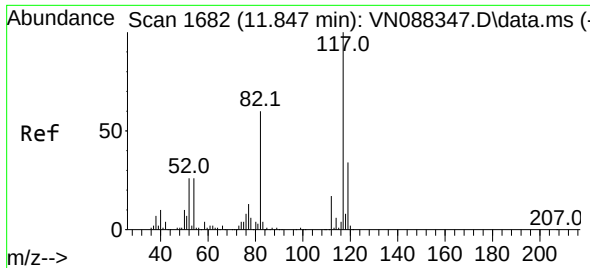
Tgt Ion: 98 Resp: 670134
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2



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

Tgt Ion: 95 Resp: 246023
Ion Ratio Lower Upper
95 100
174 68.9 0.0 139.0
176 62.6 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBL01

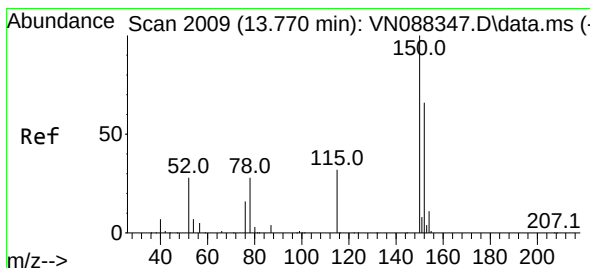
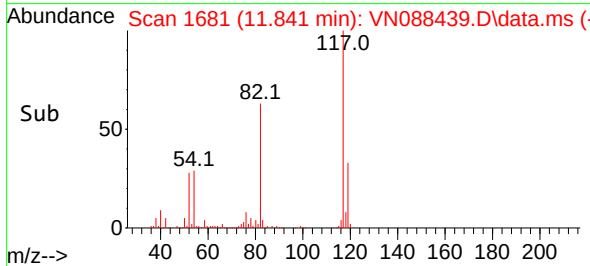
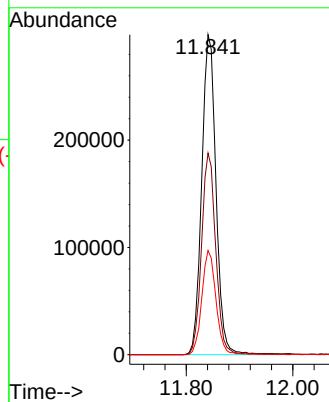
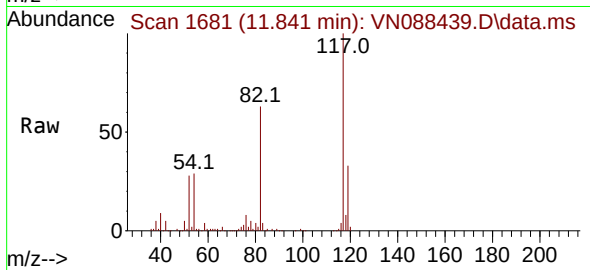
Tgt Ion:117 Resp: 555675

Ion Ratio Lower Upper

117 100

82 63.0 47.8 71.8

119 32.6 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. -0.000 min

Lab File: VN088439.D

Acq: 04 Dec 2025 12:38

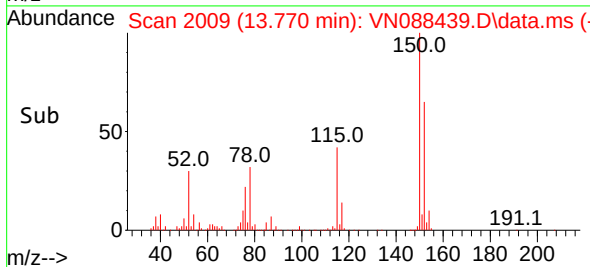
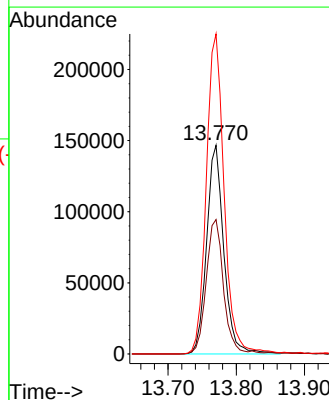
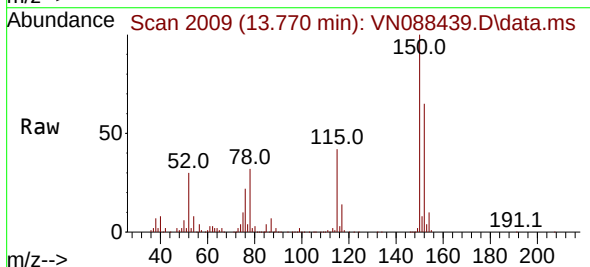
Tgt Ion:152 Resp: 258091

Ion Ratio Lower Upper

152 100

115 64.9 33.0 98.9

150 158.8 0.0 349.0



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

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

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

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	193187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	291151	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	130501	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	131204	50.601	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.200%
35) Dibromofluoromethane	5.367	113	99604	49.686	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.380%
50) Toluene-d8	8.629	98	356802	50.775	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.560%
62) 4-Bromofluorobenzene	11.061	95	146671	60.529	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	121.060%

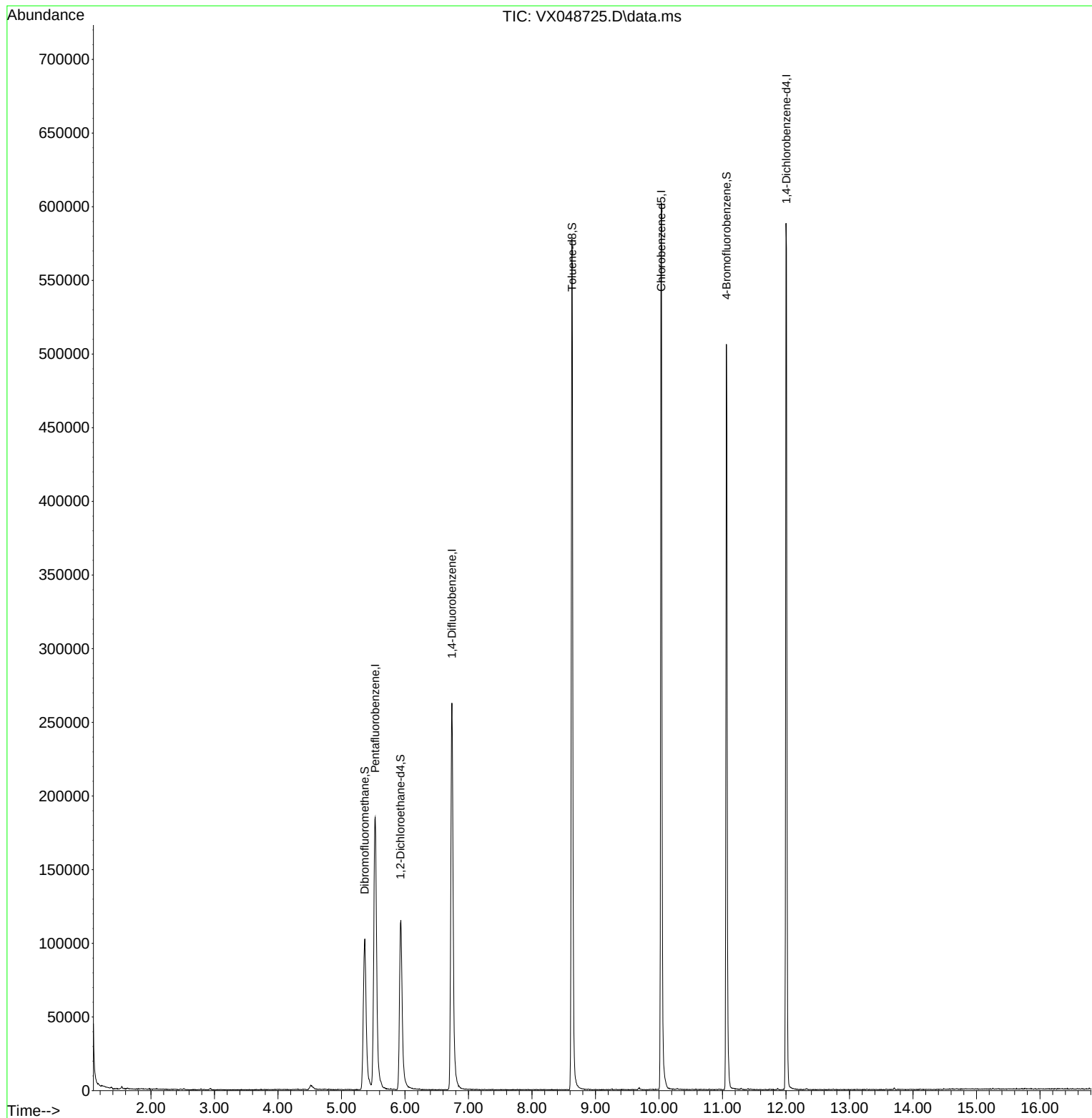
Target Compounds	Qvalue

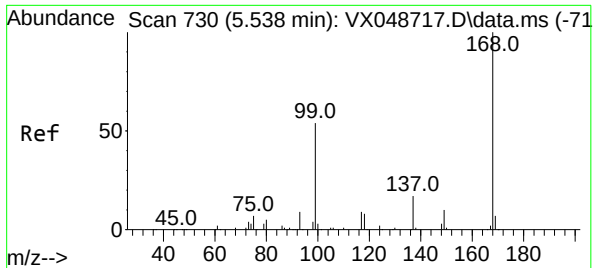
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

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

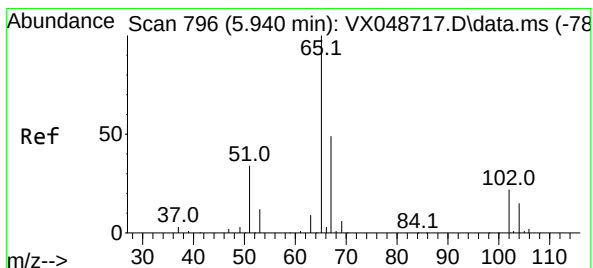
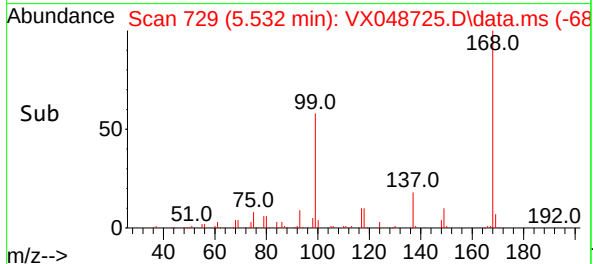
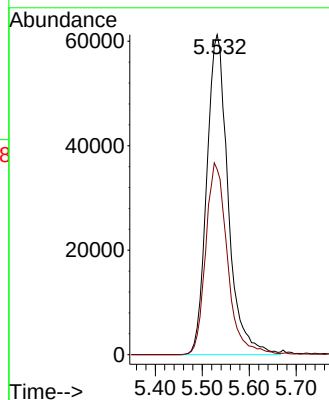
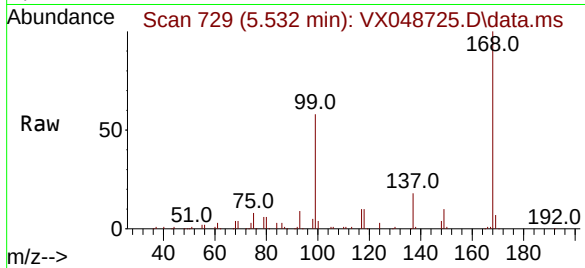




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048725.D
Acq: 05 Dec 2025 10:34

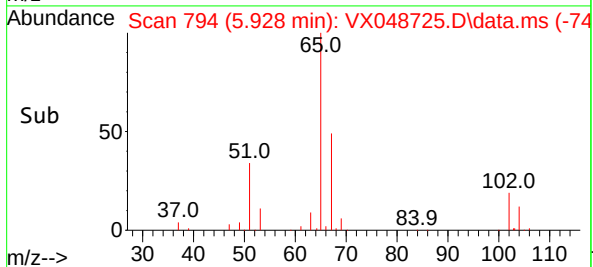
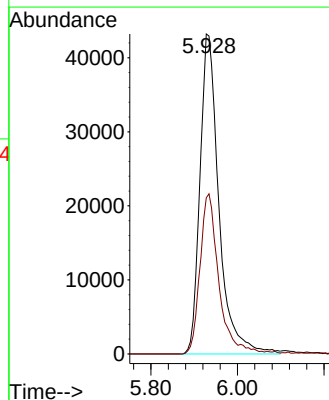
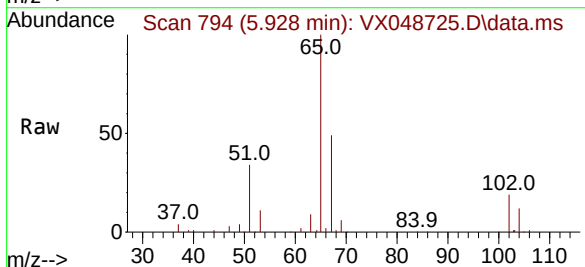
Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

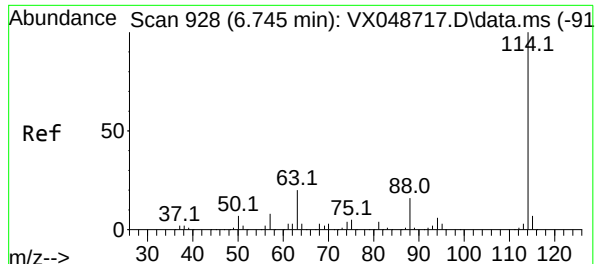
Tgt Ion:168 Resp: 193187
Ion Ratio Lower Upper
168 100
99 57.9 44.2 66.4



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

Tgt Ion: 65 Resp: 131204
Ion Ratio Lower Upper
65 100
67 49.6 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX048725.D

Acq: 05 Dec 2025 10:34

Instrument :

MSVOA_X

ClientSampleId :

VX1205WBL01

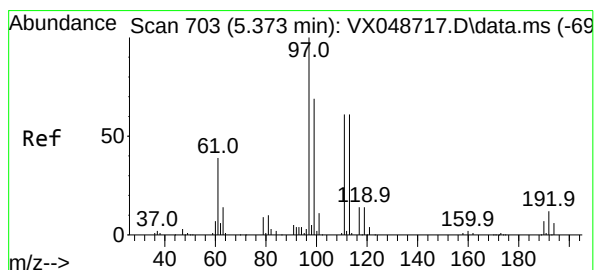
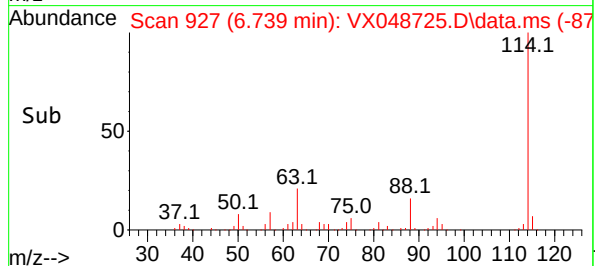
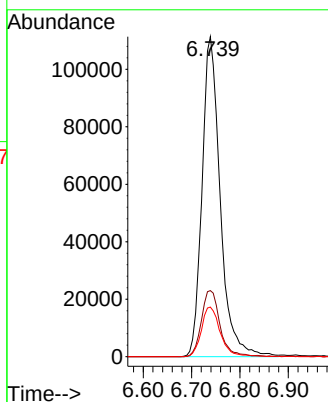
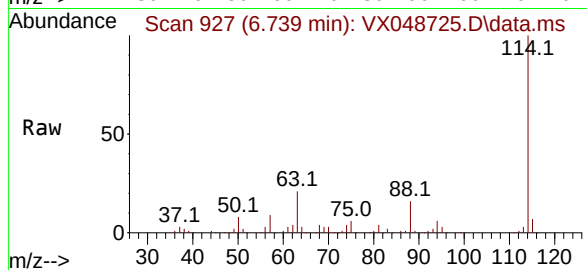
Tgt Ion:114 Resp: 291151

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.686 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX048725.D

Acq: 05 Dec 2025 10:34

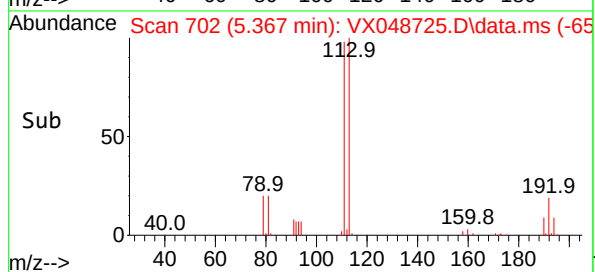
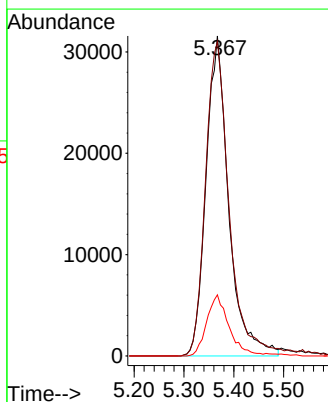
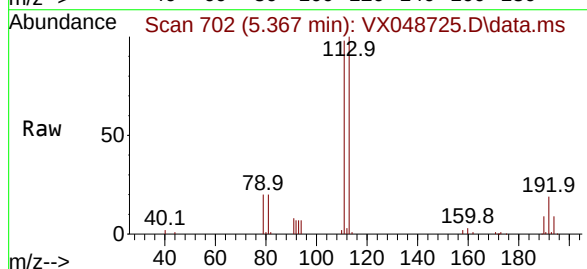
Tgt Ion:113 Resp: 99604

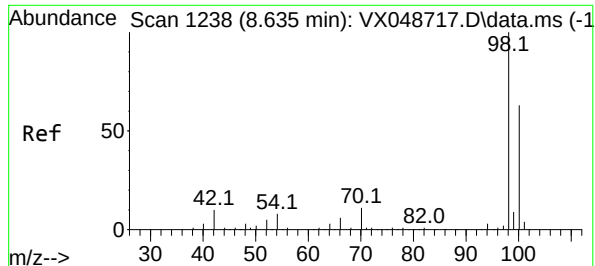
Ion Ratio Lower Upper

113 100

111 103.4 79.5 119.3

192 18.7 16.1 24.1





#50

Toluene-d8

Concen: 50.775 ug/l

RT: 8.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX048725.D

Acq: 05 Dec 2025 10:34

Instrument :

MSVOA_X

ClientSampleId :

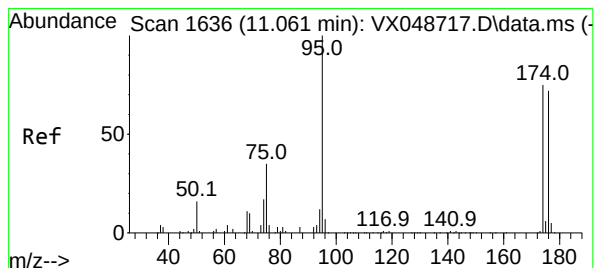
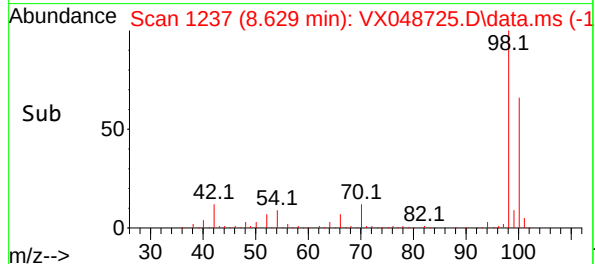
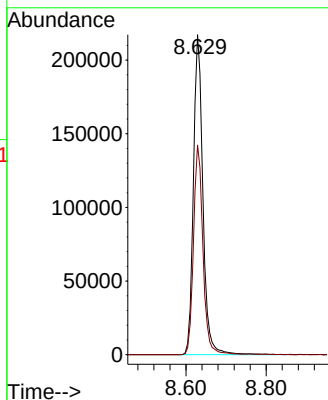
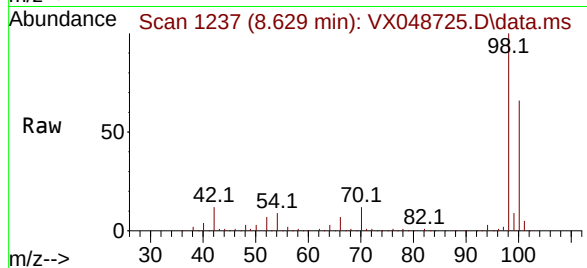
VX1205WBL01

Tgt Ion: 98 Resp: 356802

Ion Ratio Lower Upper

98 100

100 65.3 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 60.529 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048725.D

Acq: 05 Dec 2025 10:34

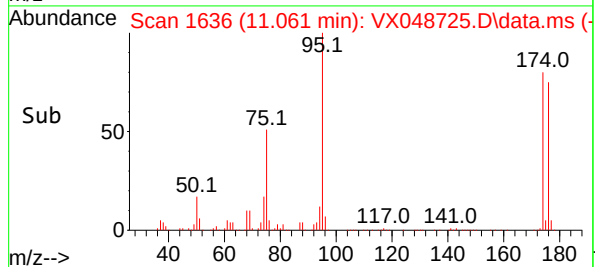
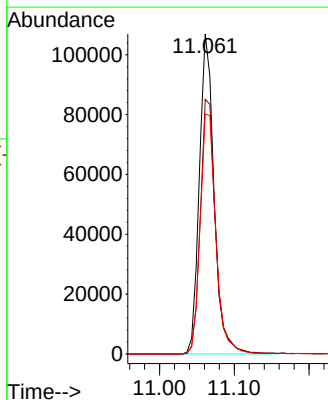
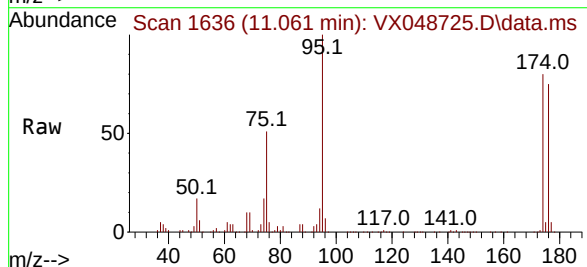
Tgt Ion: 95 Resp: 146671

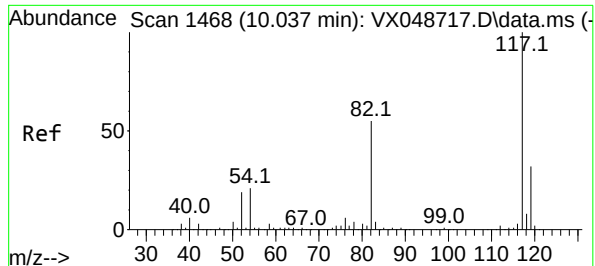
Ion Ratio Lower Upper

95 100

174 82.3 0.0 157.8

176 79.8 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048725.D

Acq: 05 Dec 2025 10:34

Instrument :

MSVOA_X

ClientSampleId :

VX1205WBL01

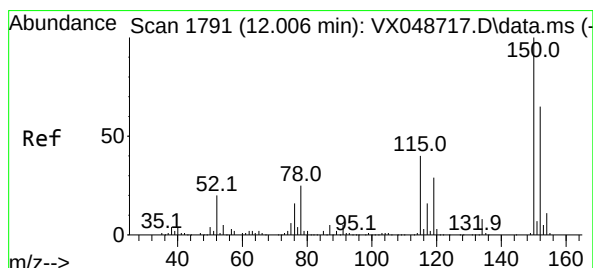
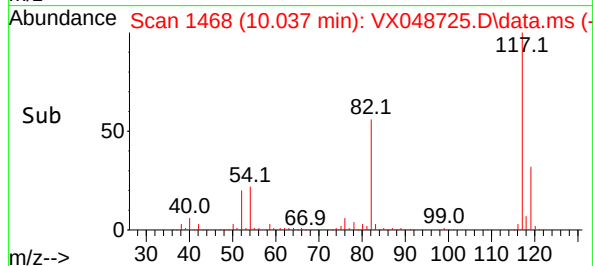
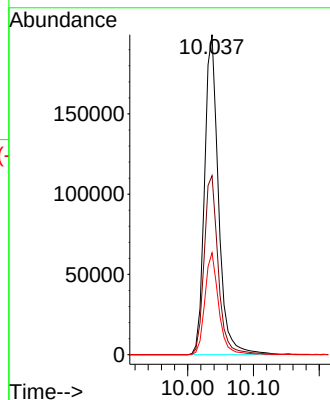
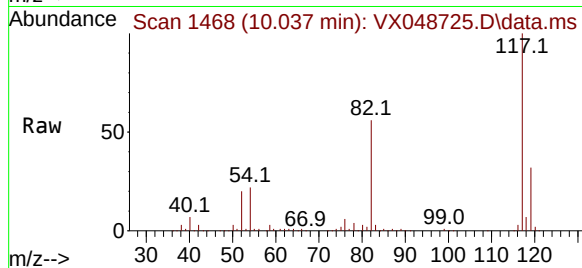
Tgt Ion:117 Resp: 294164

Ion Ratio Lower Upper

117 100

82 56.0 44.1 66.1

119 31.9 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048725.D

Acq: 05 Dec 2025 10:34

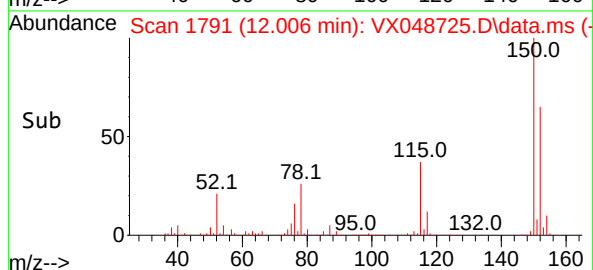
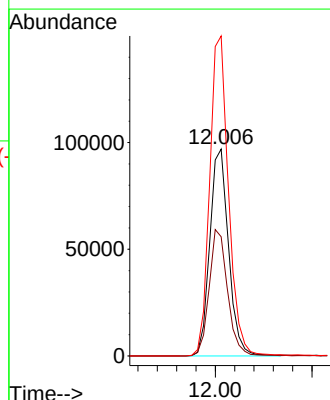
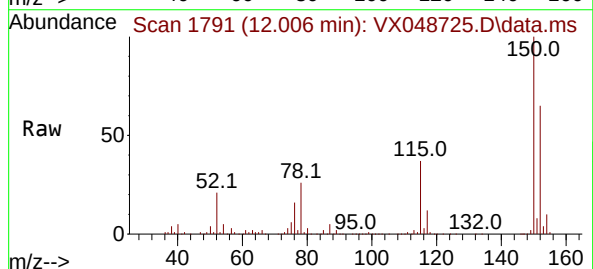
Tgt Ion:152 Resp: 130501

Ion Ratio Lower Upper

152 100

115 60.2 42.1 126.4

150 155.0 0.0 347.8



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

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

A
B
C
D
E
F
G
H
I
J

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

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	173343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	340953	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	370451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	179749	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	115181	49.507	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.020%
35) Dibromofluoromethane	5.361	113	107991	46.001	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.000%
50) Toluene-d8	8.629	98	372131	45.222	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.440%#
62) 4-Bromofluorobenzene	11.061	95	158378	55.813	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.620%

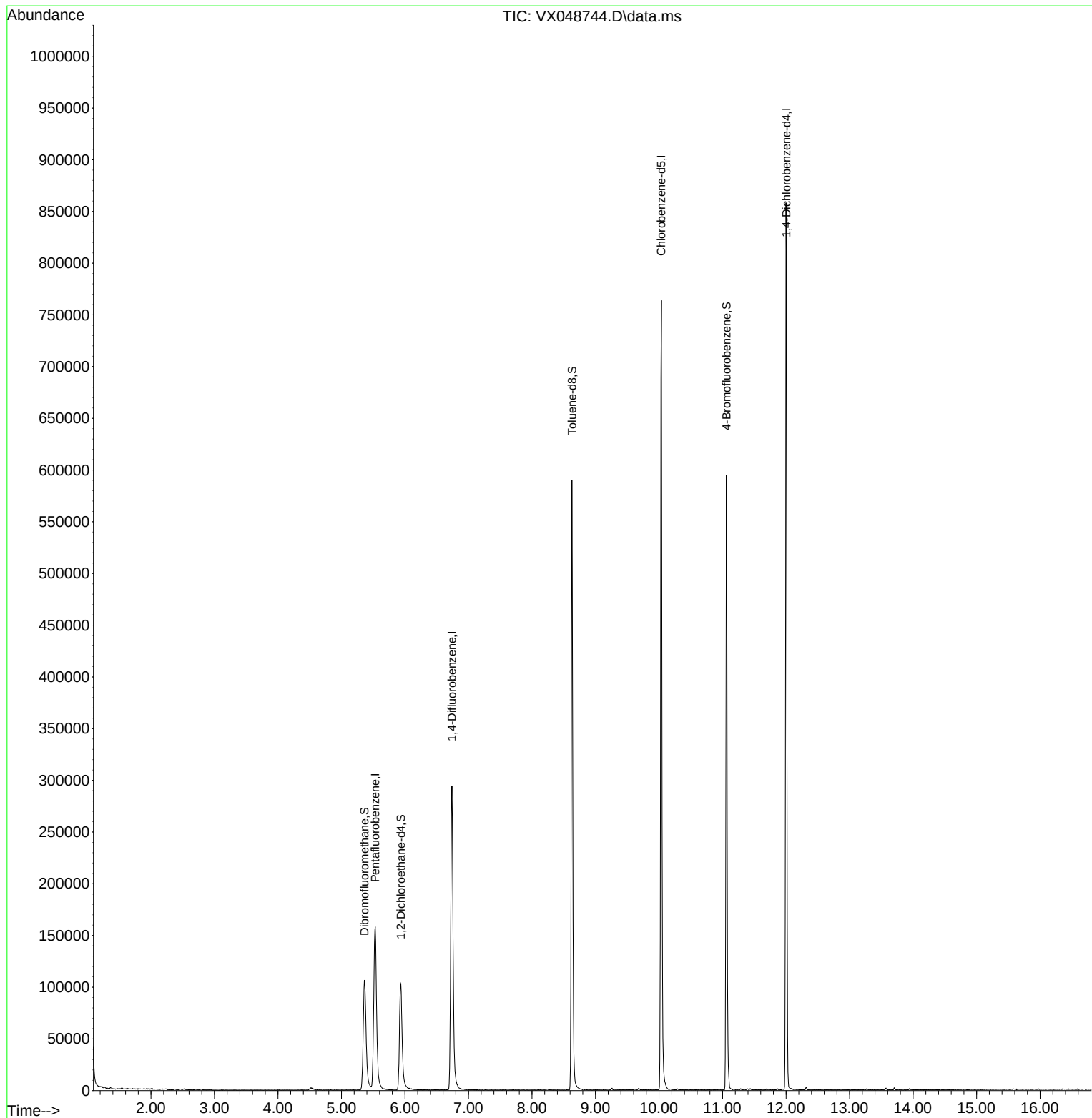
Target Compounds	Qvalue

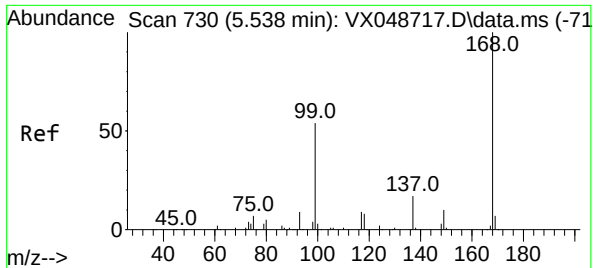
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

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

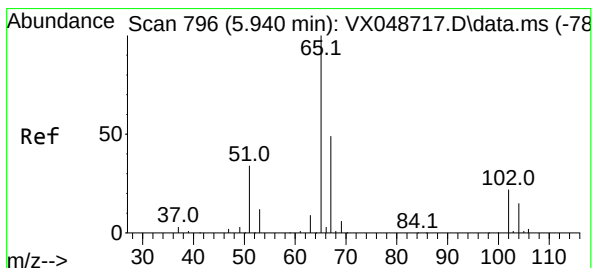
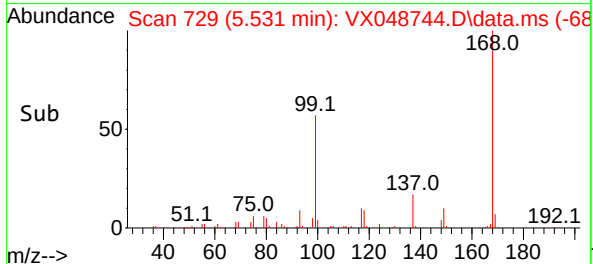
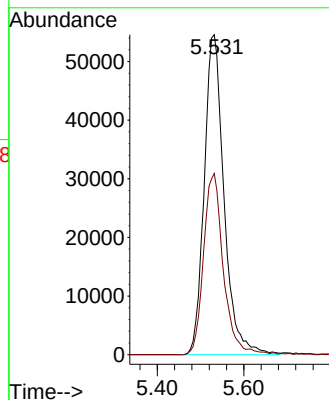
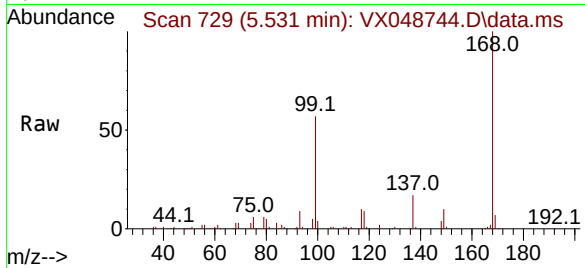




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048744.D
Acq: 08 Dec 2025 11:15

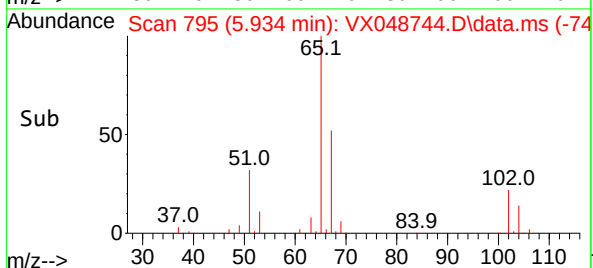
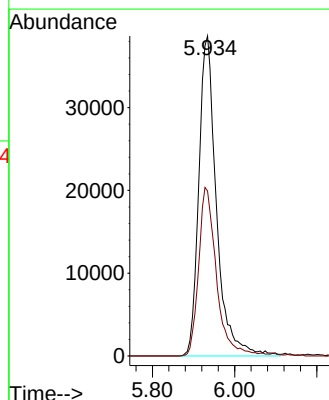
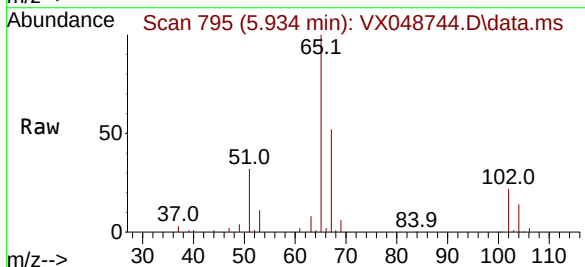
Instrument :
MSVOA_X
ClientSampleId :
VX1208WBL01

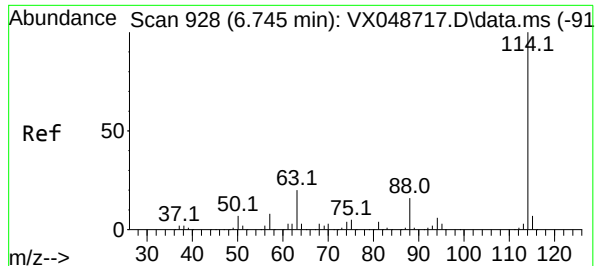
Tgt Ion:168 Resp: 173343
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



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

Tgt Ion: 65 Resp: 115181
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

VX1208WBL01

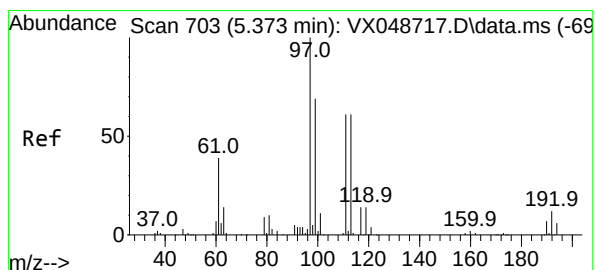
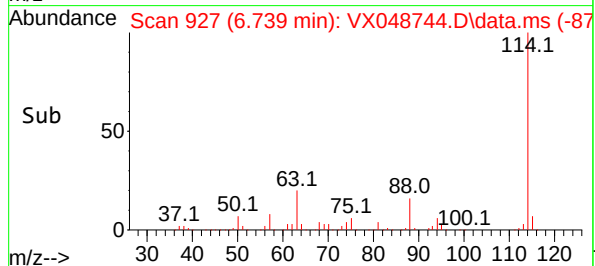
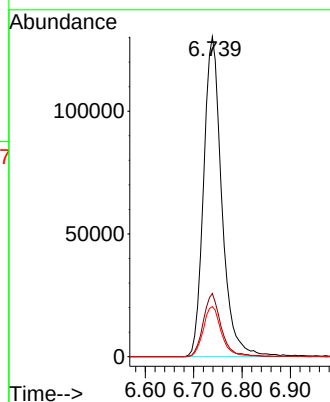
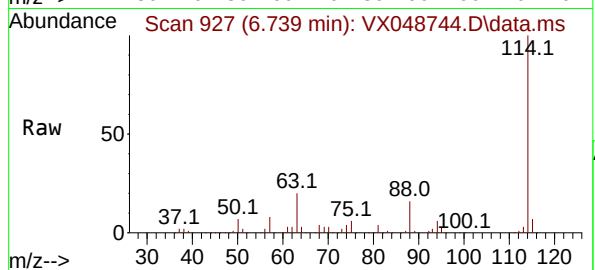
Tgt Ion:114 Resp: 340953

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.001 ug/l

RT: 5.361 min Scan# 701

Delta R.T. -0.012 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

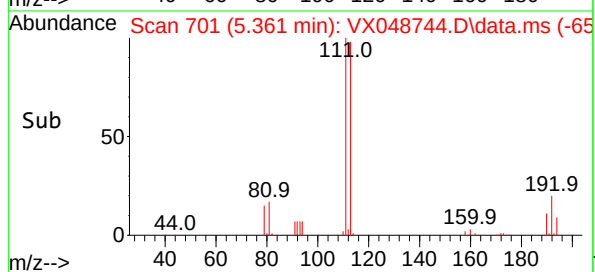
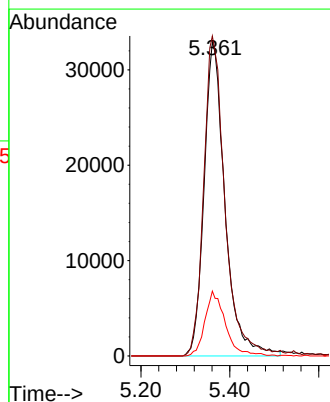
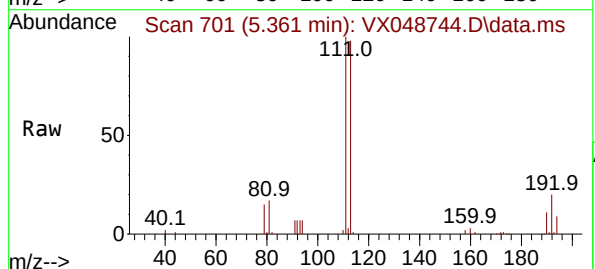
Tgt Ion:113 Resp: 107991

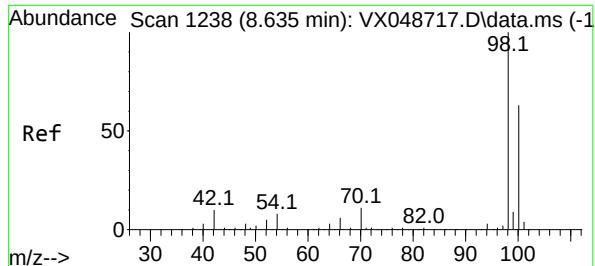
Ion Ratio Lower Upper

113 100

111 102.8 79.5 119.3

192 20.1 16.1 24.1





#50

Toluene-d8

Concen: 45.222 ug/l

RT: 8.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

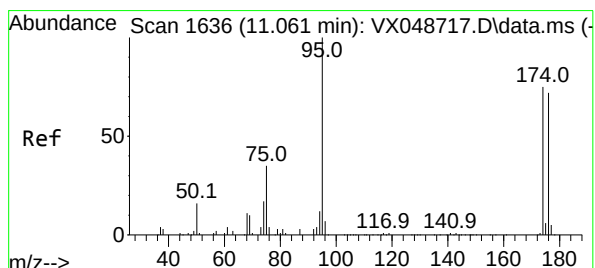
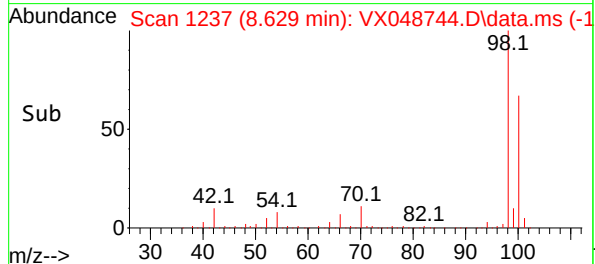
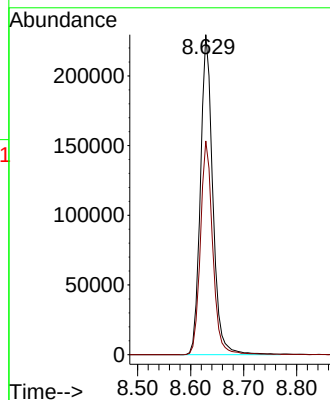
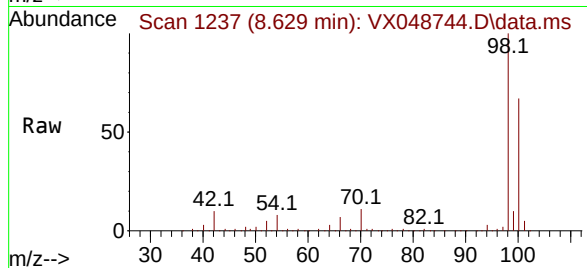
VX1208WBL01

Tgt Ion: 98 Resp: 372131

Ion Ratio Lower Upper

98 100

100 66.7 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 55.813 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

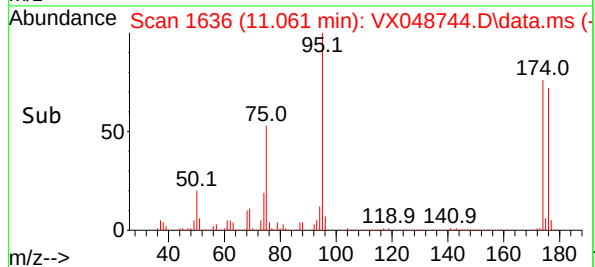
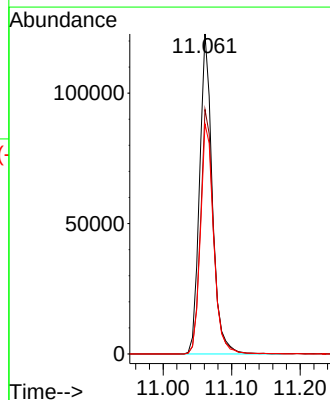
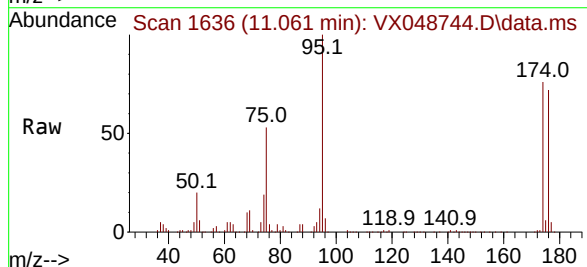
Tgt Ion: 95 Resp: 158378

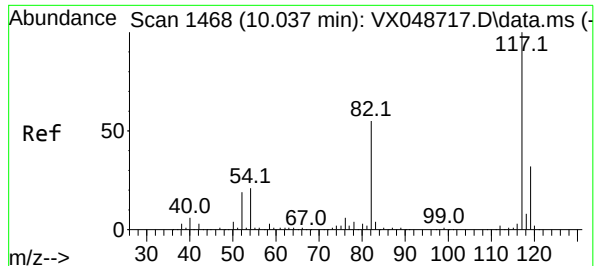
Ion Ratio Lower Upper

95 100

174 78.8 0.0 157.8

176 74.8 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

VX1208WBL01

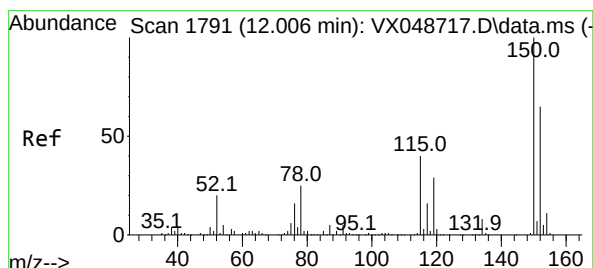
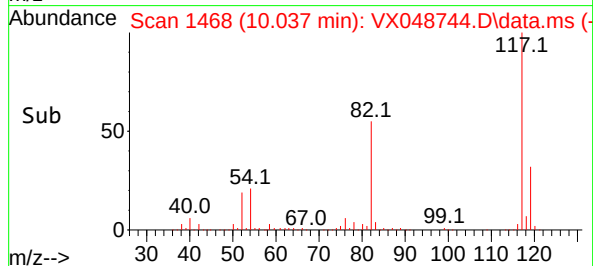
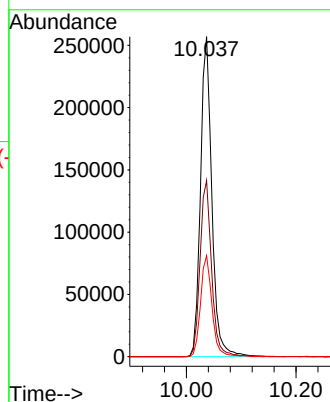
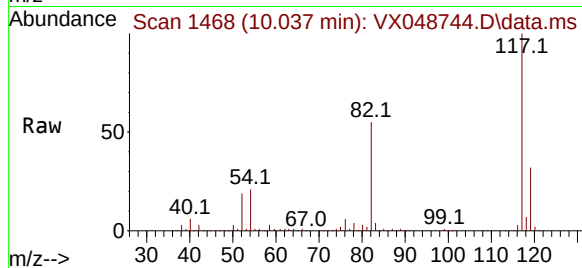
Tgt Ion:117 Resp: 370451

Ion Ratio Lower Upper

117 100

82 55.1 44.1 66.1

119 31.5 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048744.D

Acq: 08 Dec 2025 11:15

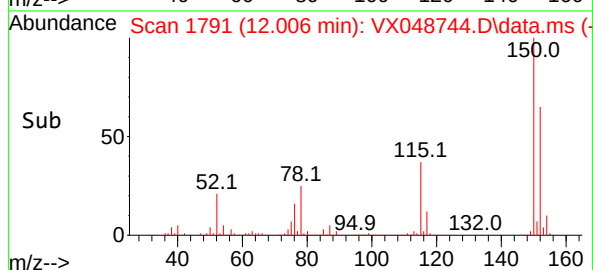
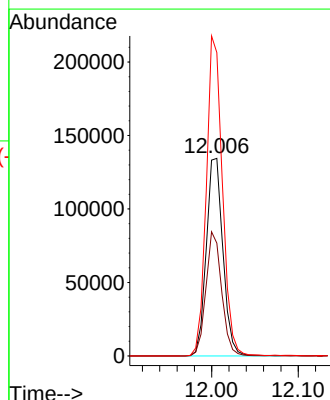
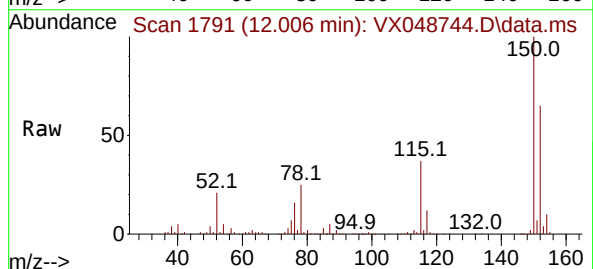
Tgt Ion:152 Resp: 179749

Ion Ratio Lower Upper

152 100

115 59.4 42.1 126.4

150 155.9 0.0 347.8



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

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Manual Integrations APPROVED

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

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

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	303745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	559564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	491842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	237731	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	307567	53.752	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.500%	
35) Dibromofluoromethane	8.147	113	196606	50.701	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.400%	
50) Toluene-d8	10.547	98	745425	51.664	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.320%	
62) 4-Bromofluorobenzene	12.823	95	269159	54.369	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.740%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	97797	21.436	ug/l	93
3) Chloromethane	2.383	50	93145	19.009	ug/l	96
4) Vinyl Chloride	2.536	62	100990	20.259	ug/l	100
5) Bromomethane	2.983	94	46454	19.362	ug/l	91
6) Chloroethane	3.142	64	62589	20.289	ug/l	98
7) Trichlorofluoromethane	3.512	101	150074	21.421	ug/l	95
8) Diethyl Ether	3.959	74	53546	20.363	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	78946	21.166	ug/l	99
10) Methyl Iodide	4.583	142	63657	17.241	ug/l	93
11) Tert butyl alcohol	5.506	59	76083	83.283	ug/l	97
12) 1,1-Dichloroethene	4.342	96	75627	20.408	ug/l	96
13) Acrolein	4.183	56	95364	109.036	ug/l	98
14) Allyl chloride	5.012	41	131363	19.125	ug/l	97
15) Acrylonitrile	5.706	53	244233	92.662	ug/l	99
16) Acetone	4.424	43	183497	88.674	ug/l	96
17) Carbon Disulfide	4.712	76	223379	18.447	ug/l	96
18) Methyl Acetate	5.018	43	120530	19.567	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	272930	19.658	ug/l	99
20) Methylene Chloride	5.265	84	81214	18.343	ug/l	99
21) trans-1,2-Dichloroethene	5.777	96	79259	19.308	ug/l	98
22) Diisopropyl ether	6.659	45	293315	20.002	ug/l	98
23) Vinyl Acetate	6.588	43	1278749	108.235	ug/l	99
24) 1,1-Dichloroethane	6.553	63	162999	19.628	ug/l	97
25) 2-Butanone	7.465	43	310201	93.245	ug/l	100
26) 2,2-Dichloropropane	7.471	77	150702	21.025	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	90646	19.000	ug/l	96
28) Bromochloromethane	7.794	49	70911	17.142	ug/l	98
29) Tetrahydrofuran	7.818	42	228135	95.607	ug/l	98
30) Chloroform	7.953	83	165040	20.226	ug/l	100
31) Cyclohexane	8.241	56	151560	20.140	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	148393	20.683	ug/l	97
36) 1,1-Dichloropropene	8.353	75	116928	19.538	ug/l	98
37) Ethyl Acetate	7.547	43	137369	17.457	ug/l	97
38) Carbon Tetrachloride	8.341	117	123356	20.706	ug/l	98
39) Methylcyclohexane	9.582	83	125506	19.606	ug/l	90
40) Benzene	8.582	78	339466	19.326	ug/l	99

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

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Manual Integrations APPROVED

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

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

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

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

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

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Manual Integrations
APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

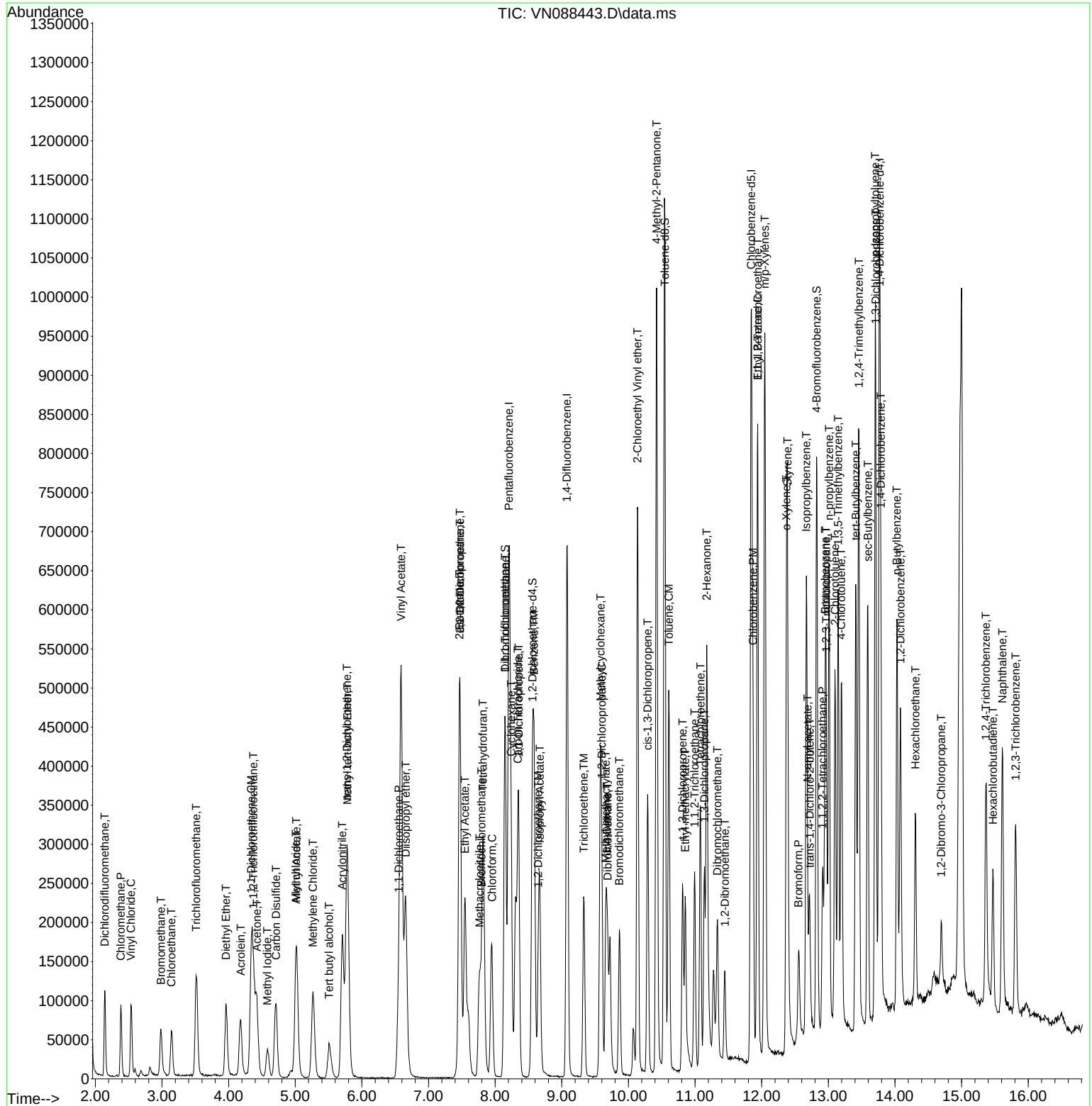
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088443.D
Acq On : 04 Dec 2025 14:12
Operator : JC\MD
Sample : VN1204WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Manual Integrations

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

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



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

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1205WBS01

Manual Integrations APPROVED

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

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

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

Internal Standards						
1) Pentafluorobenzene	5.525	168	179194	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	293931	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	269397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	132992	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.934	65	125979	52.380	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.760%	
35) Dibromofluoromethane	5.361	113	97103	47.980	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.960%	
50) Toluene-d8	8.629	98	352069	49.628	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.260%	
62) 4-Bromofluorobenzene	11.061	95	128406	52.490	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.980%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	41863	22.929	ug/l	96
3) Chloromethane	1.301	50	44995	19.530	ug/l	97
4) Vinyl Chloride	1.380	62	39598	16.138	ug/l	97
5) Bromomethane	1.618	94	28574	18.844	ug/l	97
6) Chloroethane	1.697	64	24297	15.910	ug/l	92
7) Trichlorofluoromethane	1.898	101	68676	19.528	ug/l	97
8) Diethyl Ether	2.130	74	23437	16.697	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	43147	21.164	ug/l	99
10) Methyl Iodide	2.453	142	61205	21.087	ug/l	99
11) Tert butyl alcohol	2.928	59	35673	91.869	ug/l	100
12) 1,1-Dichloroethene	2.325	96	40443	19.436	ug/l	99
13) Acrolein	2.233	56	31115	109.833	ug/l	100
14) Allyl chloride	2.660	41	71931	20.590	ug/l	94
15) Acrylonitrile	3.050	53	110416	91.258	ug/l	99
16) Acetone	2.367	43	87721	95.274	ug/l	97
17) Carbon Disulfide	2.514	76	125337	20.742	ug/l	100
18) Methyl Acetate	2.697	43	47862	18.476	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	128879	19.031	ug/l	97
20) Methylene Chloride	2.782	84	41148	17.880	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	40211	18.934	ug/l	93
22) Diisopropyl ether	3.739	45	131789	20.185	ug/l #	80
23) Vinyl Acetate	3.709	43	567718	103.483	ug/l	97
24) 1,1-Dichloroethane	3.599	63	73078	20.071	ug/l	100
25) 2-Butanone	4.526	43	144944	106.663	ug/l	91
26) 2,2-Dichloropropane	4.459	77	65233	20.249	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	45731	19.082	ug/l	92
28) Bromochloromethane	4.879	49	32271	18.083	ug/l	94
29) Tetrahydrofuran	4.977	42	104631	100.837	ug/l	95
30) Chloroform	5.068	83	77868	19.960	ug/l	99
31) Cyclohexane	5.452	56	62885	19.345	ug/l	95
32) 1,1,1-Trichloroethane	5.361	97	69932	20.006	ug/l	96
36) 1,1-Dichloropropene	5.672	75	57482	20.737	ug/l	100
37) Ethyl Acetate	4.684	43	65510	19.779	ug/l	99
38) Carbon Tetrachloride	5.653	117	65362	20.817	ug/l	94
39) Methylcyclohexane	7.360	83	62448	19.052	ug/l	97
40) Benzene	6.019	78	153807	18.718	ug/l	99

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

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1205WBS01

Manual Integrations APPROVED

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

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBS01

Manual Integrations
APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

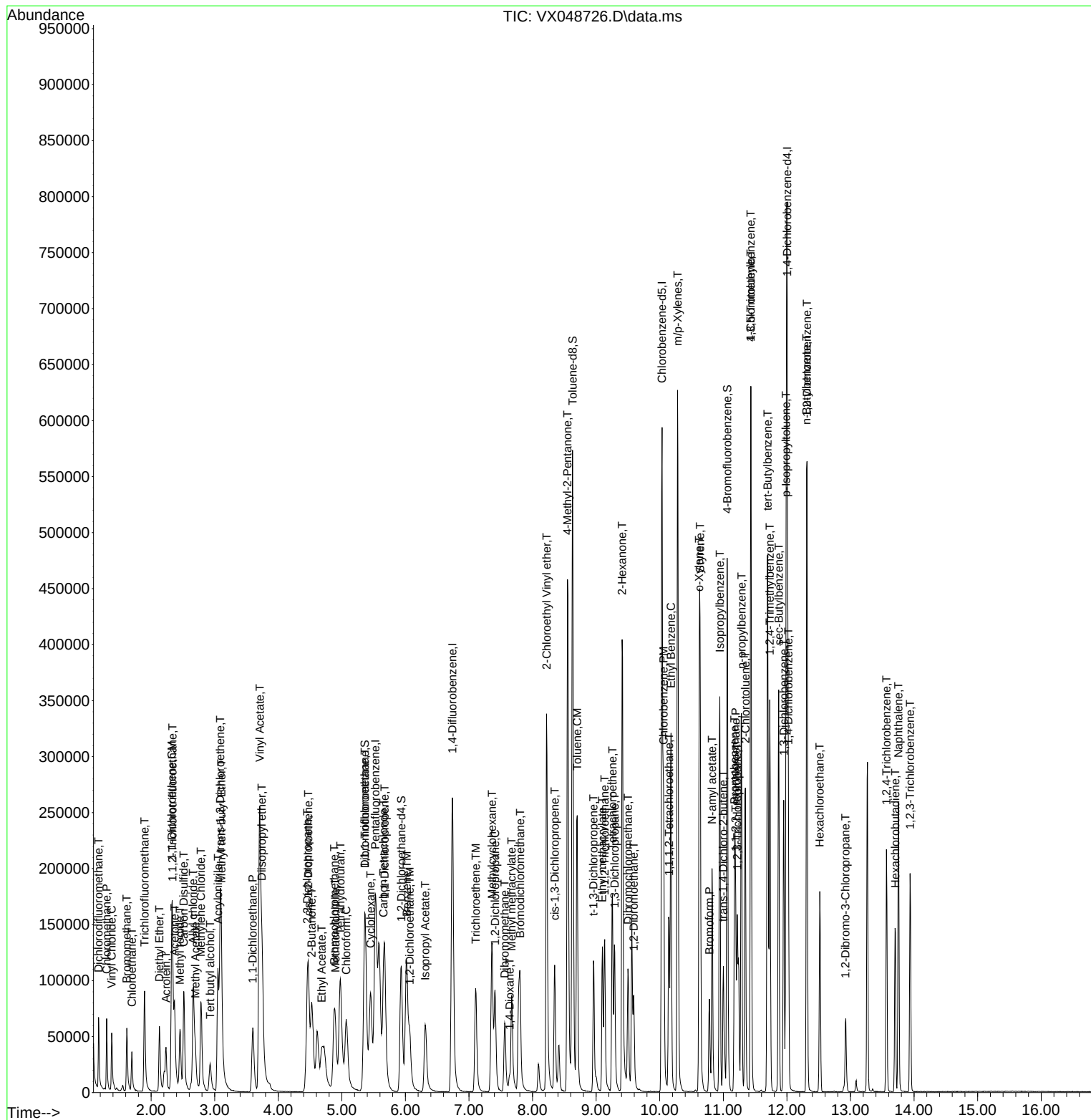
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 Data File : VX048726.D
 Acq On : 05 Dec 2025 11:31
 Operator : JC/MD
 Sample : VX1205WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1205WBS01

Manual Integrations APPROVED

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

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



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

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1208WBS01

Manual Integrations APPROVED

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

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

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

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

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

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1208WBS01

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

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

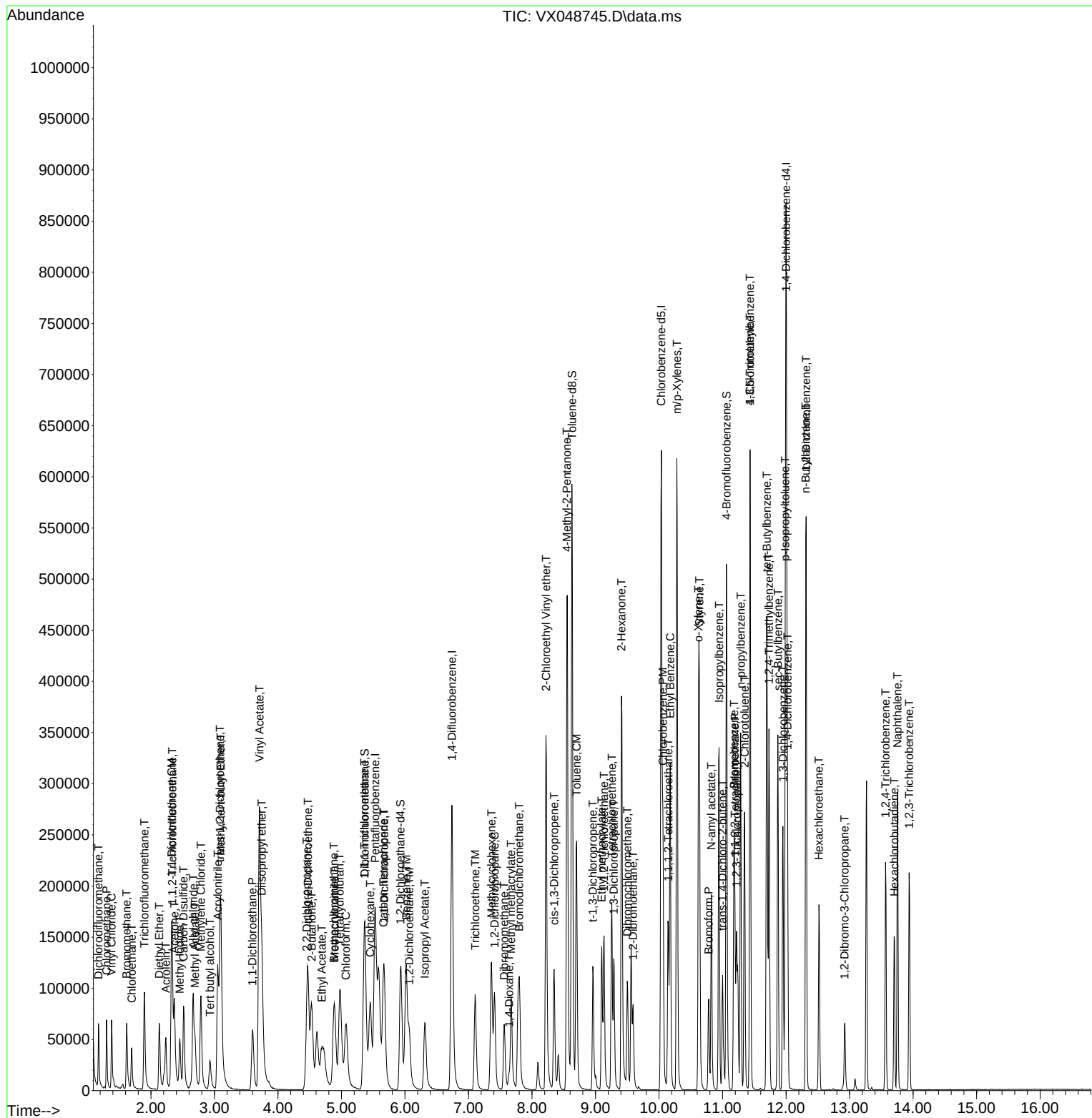
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX1208WBS01

Manual Integrations APPROVED

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



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

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Manual Integrations APPROVED

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

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

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	290727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	529277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	469866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	229597	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	306737	56.007	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.020%	
35) Dibromofluoromethane	8.147	113	194821	53.116	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.240%	
50) Toluene-d8	10.541	98	719265	52.704	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.400%	
62) 4-Bromofluorobenzene	12.829	95	263766	56.328	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 112.660%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	87020	19.928	ug/l	94
3) Chloromethane	2.383	50	84956	18.114	ug/l	97
4) Vinyl Chloride	2.536	62	90740	19.018	ug/l	96
5) Bromomethane	2.983	94	43017	18.733	ug/l	94
6) Chloroethane	3.148	64	55928	18.942	ug/l	99
7) Trichlorofluoromethane	3.518	101	138107	20.595	ug/l	99
8) Diethyl Ether	3.965	74	49843	19.803	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	71554	20.043	ug/l	99
10) Methyl Iodide	4.589	142	65248	18.463	ug/l	95
11) Tert butyl alcohol	5.518	59	80431	91.985	ug/l	99
12) 1,1-Dichloroethene	4.342	96	69022	19.460	ug/l	96
13) Acrolein	4.177	56	94599	113.005	ug/l	99
14) Allyl chloride	5.012	41	126430	19.231	ug/l	98
15) Acrylonitrile	5.706	53	250738	99.389	ug/l	98
16) Acetone	4.424	43	191583	96.727	ug/l	95
17) Carbon Disulfide	4.706	76	214025	18.466	ug/l	99
18) Methyl Acetate	5.018	43	126740	21.497	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	277962	20.917	ug/l	100
20) Methylene Chloride	5.265	84	79618	18.788	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	74638	18.996	ug/l	84
22) Diisopropyl ether	6.659	45	291659	20.780	ug/l	97
23) Vinyl Acetate	6.589	43	1291270	114.189	ug/l	100
24) 1,1-Dichloroethane	6.553	63	156380	19.675	ug/l	99
25) 2-Butanone	7.465	43	318927	100.161	ug/l	97
26) 2,2-Dichloropropane	7.471	77	138156	20.137	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	88188	19.313	ug/l	96
28) Bromochloromethane	7.800	49	73205	18.489	ug/l	98
29) Tetrahydrofuran	7.824	42	234483	102.668	ug/l	98
30) Chloroform	7.947	83	157238	20.133	ug/l	93
31) Cyclohexane	8.241	56	140672	19.530	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	141532	20.610	ug/l	94
36) 1,1-Dichloropropene	8.353	75	108661	19.196	ug/l	99
37) Ethyl Acetate	7.547	43	150629	20.237	ug/l	99
38) Carbon Tetrachloride	8.341	117	114598	20.336	ug/l	98
39) Methylcyclohexane	9.577	83	114089	18.842	ug/l	97
40) Benzene	8.588	78	320551	19.294	ug/l	99

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

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/05/2025

Supervised By :Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 00:15:47 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M

Quant Title : SW846 8260

QLast Update : Tue Nov 25 01:34:52 2025

Response via : Initial Calibration

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

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

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

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Manual Integrations
APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

Instrument :

MSVOA_N

Client SampleId :

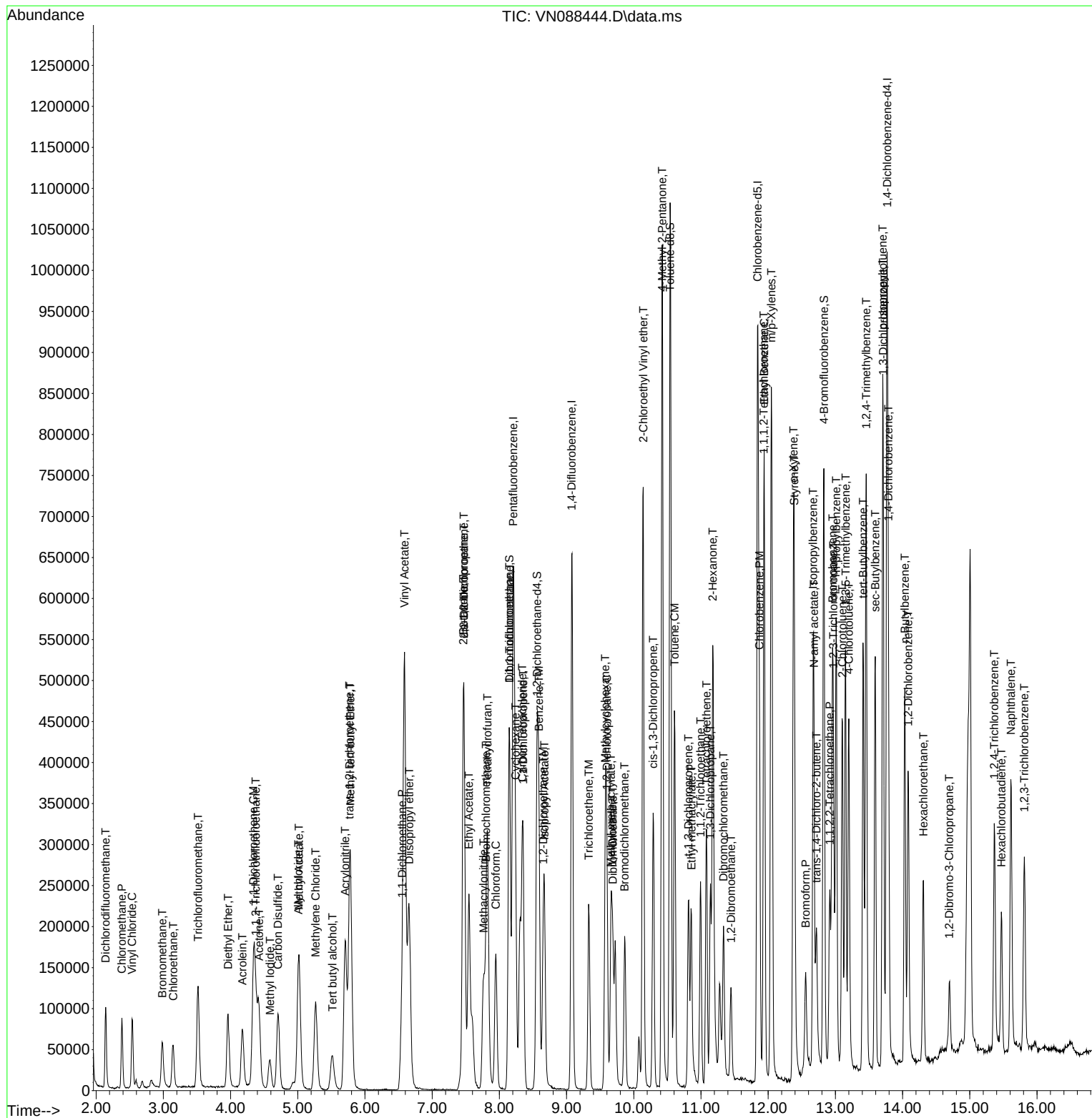
VN1204WBSD01

Manual Integrations

APPROVED

Reviewed By : John Carlone 12/05/2025

Supervised By : Semsettin Yesilyurt 12/05/2025



Manual Integration Report

Sequence:	VN112425	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN088344.D	1,1-Dichloroethene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	1,4-Dichlorobenzene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	2-Hexanone	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	cis-1,2-Dichloroethene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	Diisopropyl ether	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC005	VN088345.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:00 AM	MMDadoda	11/26/2025 1:51:51 PM	Peak Integrated by Software
VSTDICC005	VN088345.D	Vinyl Acetate	JOHN	11/25/2025 9:36:00 AM	MMDadoda	11/26/2025 1:51:51 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	N-amyl acetate	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	Vinyl Acetate	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICCC050	VN088347.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:10 AM	MMDadoda	11/26/2025 1:51:58 PM	Peak Integrated by Software
VSTDICCC050	VN088347.D	Vinyl Acetate	JOHN	11/25/2025 9:36:10 AM	MMDadoda	11/26/2025 1:51:58 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN112425

Instrument

MSVOA_n

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

Manual Integration Report

Sequence:	VN120425	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088437.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:18:14 AM	sam	12/5/2025 2:18:25 PM	Peak Integrated by Software
VSTDCCC050	VN088437.D	N-amyl acetate	JOHN	12/5/2025 8:18:14 AM	sam	12/5/2025 2:18:25 PM	Peak Integrated by Software
VN1204WBS01	VN088443.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:18:23 AM	sam	12/5/2025 2:18:38 PM	Peak Integrated by Software
VN1204WBS01	VN088443.D	N-amyl acetate	JOHN	12/5/2025 8:18:23 AM	sam	12/5/2025 2:18:38 PM	Peak Integrated by Software
VN1204WBSD01	VN088444.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:18:28 AM	sam	12/5/2025 2:18:43 PM	Peak Integrated by Software
VN1204WBSD01	VN088444.D	N-amyl acetate	JOHN	12/5/2025 8:18:28 AM	sam	12/5/2025 2:18:43 PM	Peak Integrated by Software
Q3757-11	VN088450.D	Acetone	JOHN	12/5/2025 8:18:38 AM	sam	12/5/2025 2:19:00 PM	Peak Integrated by Software
VSTDCCC050	VN088461.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:18:43 AM	sam	12/5/2025 2:18:57 PM	Peak Integrated by Software
VSTDCCC050	VN088461.D	N-amyl acetate	JOHN	12/5/2025 8:18:43 AM	sam	12/5/2025 2:18:57 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX120425	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC001	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
VSTDIC001	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
VSTDIC001	VX048714.D	Ethyl Acetate	JOHN	12/5/2025 8:04:03 AM	sam	12/5/2025 2:19:32 PM	Peak Integrated by Software
VSTDIC005	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
VSTDIC005	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
VSTDIC005	VX048715.D	4-Bromofluorobenzene	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDIC005	VX048715.D	Acrolein	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDIC005	VX048715.D	Bromomethane	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDIC005	VX048715.D	Cyclohexane	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDIC005	VX048715.D	Dibromofluoromethane	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDIC005	VX048715.D	Ethyl Acetate	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDIC005	VX048715.D	Methyl Acetate	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDIC005	VX048715.D	Methyl Iodide	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX120425	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VX048715.D	Tert butyl alcohol	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDIC005	VX048715.D	Toluene-d8	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDIC005	VX048715.D	trans-1,4-Dichloro-2-but ene	JOHN	12/5/2025 8:04:10 AM	sam	12/5/2025 2:19:37 PM	Peak Integrated by Software
VSTDIC020	VX048716.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:04:16 AM	sam	12/5/2025 2:19:42 PM	Peak Integrated by Software
VSTDIC050	VX048717.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:04:22 AM	sam	12/5/2025 2:20:03 PM	Peak Integrated by Software
VSTDIC100	VX048718.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:04:27 AM	sam	12/5/2025 2:19:47 PM	Peak Integrated by Software
VSTDIC150	VX048719.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:04:32 AM	sam	12/5/2025 2:20:07 PM	Peak Integrated by Software
VSTDICV050	VX048721.D	1,2,3-Trichloropropane	JOHN	12/5/2025 8:04:41 AM	sam	12/5/2025 2:19:52 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX120525	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048723.D	1,2,3-Trichloropropane	JOHN	12/8/2025 8:07:20 AM	sam	12/8/2025 11:02:20 AM	Peak Integrated by Software
VX1205WBS01	VX048726.D	1,2,3-Trichloropropane	JOHN	12/8/2025 8:07:25 AM	sam	12/8/2025 11:02:26 AM	Peak Integrated by Software
VSTDCCC050	VX048740.D	1,2,3-Trichloropropane	JOHN	12/8/2025 8:07:34 AM	sam	12/8/2025 11:02:36 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX120825	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048742.D	1,2,3-Trichloropropane	JOHN	12/9/2025 8:06:28 AM	MMDadoda	12/9/2025 12:23:37 PM	Peak Integrated by Software
VX1208WBS01	VX048745.D	1,2,3-Trichloropropane	JOHN	12/9/2025 8:06:33 AM	MMDadoda	12/9/2025 12:23:40 PM	Peak Integrated by Software
VSTDCCC050	VX048766.D	1,2,3-Trichloropropane	JOHN	12/9/2025 8:06:52 AM	MMDadoda	12/9/2025 12:23:58 PM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN112425

Review By	John Carlone	Review On	11/25/2025 9:36:43 AM		
Supervise By	Maresh Dadoda	Supervise On	11/26/2025 1:52:19 PM		
SubDirectory	VN112425	HP Acquire Method	MSVOA_N	HP Processing Method	82N112425W.M
STD. NAME		STD REF.#			
Tune/Reschk		VP136378			
Initial Calibration Stds		VP136444,VP136445,VP136446,VP136447,VP136448,VP136449			
CCC					
Internal Standard/PEM					
ICV/I.BLK		VP136450			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088343.D	24 Nov 2025 08:17	JC\MD	Ok
2	VSTDIC001	VN088344.D	24 Nov 2025 12:38	JC\MD	Ok,M
3	VSTDIC005	VN088345.D	24 Nov 2025 13:11	JC\MD	Ok,M
4	VSTDIC020	VN088346.D	24 Nov 2025 13:32	JC\MD	Ok,M
5	VSTDIC050	VN088347.D	24 Nov 2025 13:53	JC\MD	Ok,M
6	VSTDIC100	VN088348.D	24 Nov 2025 14:14	JC\MD	Ok,M
7	VSTDIC150	VN088349.D	24 Nov 2025 14:35	JC\MD	Ok,M
8	IBLK	VN088350.D	24 Nov 2025 14:56	JC\MD	Ok
9	VSTDICV050	VN088351.D	24 Nov 2025 15:18	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QCBatch ID # VN120425

Review By	John Carlone	Review On	12/5/2025 8:23:32 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:14:29 PM
SubDirectory	VN120425	HP Acquire Method	HP Processing Method 82N112425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136505		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136506,VP136507		

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

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QCBatch ID # VN120425

Review By	John Carlone	Review On	12/5/2025 8:23:32 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:14:29 PM
SubDirectory	VN120425	HP Acquire Method	HP Processing Method 82N112425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136505		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136506,VP136507		

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

M : Manual Integration

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

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX120525

Review By	John Carlone	Review On	12/8/2025 8:24:07 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/8/2025 11:02:48 AM
SubDirectory	VX120525	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136523		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136524,VP136525		

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

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX120825

Review By	John Carlone	Review On	12/9/2025 8:11:51 AM
Supervise By	Maresh Dadoda	Supervise On	12/9/2025 12:45:16 PM
SubDirectory	VX120825	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136561		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136570,VP136571		

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

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX120825

Review By	John Carlone	Review On	12/9/2025 8:11:51 AM
Supervise By	Maresh Dadoda	Supervise On	12/9/2025 12:45:16 PM
SubDirectory	VX120825	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136561		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136570,VP136571		

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

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN112425

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

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

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

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN120425

Review By	John Carlone	Review On	12/5/2025 8:23:32 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:14:29 PM
SubDirectory	VN120425	HP Acquire Method	HP Processing Method 82N112425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136505		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136506,VP136507		

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN120425

Review By	John Carlone	Review On	12/5/2025 8:23:32 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:14:29 PM
SubDirectory	VN120425	HP Acquire Method	HP Processing Method 82N112425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136505		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136506,VP136507		

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

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120425

Review By	John Carlone	Review On	12/5/2025 8:05:59 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:14:46 PM
SubDirectory	VX120425	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP136497		
Initial Calibration Stds	VP136526,VP136527,VP136528,VP136529,VP136530,VP136531		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP136532		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

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

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120525

Review By	John Carlone	Review On	12/8/2025 8:24:07 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/8/2025 11:02:48 AM
SubDirectory	VX120525	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136523		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136524,VP136525		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048722.D	05 Dec 2025 08:14		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048723.D	05 Dec 2025 08:45	pH#Lot#V12668	JC/MD	Ok,M
3	VX1205MBL01	VX1205MBL01	VX048724.D	05 Dec 2025 09:14		JC/MD	Ok
4	VX1205WBL01	VX1205WBL01	VX048725.D	05 Dec 2025 10:34		JC/MD	Ok
5	VX1205WBS01	VX1205WBS01	VX048726.D	05 Dec 2025 11:31		JC/MD	Ok,M
6	VX1205WBSD01	VX1205WBSD01	VX048727.D	05 Dec 2025 11:59		JC/MD	Ok,M
7	Q3775-01	NGKO	VX048728.D	05 Dec 2025 12:20	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
8	Q3775-01RE	NGKORE	VX048729.D	05 Dec 2025 12:50	vial B pH#5.0 Surrogate fail	JC/MD	Confirms
9	IBLK	IBLK	VX048730.D	05 Dec 2025 13:10		JC/MD	Ok
10	Q3757-01	MW-14A-17.5-120325	VX048731.D	05 Dec 2025 13:32	vial A pH<2	JC/MD	Ok
11	Q3757-03	BR-03D-490-120325	VX048732.D	05 Dec 2025 13:53	vial A pH<2	JC/MD	Ok
12	Q3757-05	MW-14B-46-120325	VX048733.D	05 Dec 2025 14:13	vial A pH<2 Surrogate fail	JC/MD	ReRun
13	Q3757-07	RMW-05B-90.5-120325	VX048734.D	05 Dec 2025 14:33	vial A pH<2	JC/MD	Ok
14	Q3757-09	OW-05B-72-120325	VX048735.D	05 Dec 2025 14:54	vial A pH<2 Surrogate fail	JC/MD	ReRun
15	Q3789-01	STORAGE-BLANK-SO	VX048736.D	05 Dec 2025 15:14	vial A pH<2	JC/MD	Ok
16	Q3789-02	STORAGE-BLANK-WA	VX048737.D	05 Dec 2025 15:35	vial A pH<2	JC/MD	Ok
17	Q3789-03	STORAGE-BLANK-WA	VX048738.D	05 Dec 2025 15:55	vial A pH<2 Surrogate fail	JC/MD	ReRun
18	Q3789-04	STORAGE-BLANK-SAI	VX048739.D	05 Dec 2025 16:15	vial A pH<2 Surrogate fail	JC/MD	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120525

Review By	John Carlone	Review On	12/8/2025 8:24:07 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/8/2025 11:02:48 AM
SubDirectory	VX120525	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136523		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136524,VP136525		

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120825

Review By	John Carlone	Review On	12/9/2025 8:11:51 AM
Supervise By	Maresh Dadoda	Supervise On	12/9/2025 12:45:16 PM
SubDirectory	VX120825	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136561		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136570,VP136571		

Sr#	SampleID	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	VX048750.D	08 Dec 2025 13:35	Not Spiked	JC/MD	Not Ok
11	Q3787-03MSD	MW-15B-42.5-120425	VX048751.D	08 Dec 2025 13:55	Not Spiked	JC/MD	Not Ok
12	Q3787-07	OWBR-02-170-120425	VX048752.D	08 Dec 2025 14:16	vial A pH<2 Surrogate fail	JC/MD	ReRun
13	Q3787-09	OWBR-02-170-120425	VX048753.D	08 Dec 2025 14:36	vial A pH<2 Surrogate fail	JC/MD	ReRun
14	Q3787-11	OW-03B-51.5-120425	VX048754.D	08 Dec 2025 14:57	vial A pH<2 Surrogate fail	JC/MD	ReRun
15	Q3787-13	OW-03B-51.5-120425	VX048755.D	08 Dec 2025 15:18	vial A pH<2 Surrogate fail	JC/MD	ReRun
16	Q3787-15	OW-08B-72.5-120425	VX048756.D	08 Dec 2025 15:38	vial A pH<2	JC/MD	Ok
17	Q3787-17	OW-08B-72.5-120425	VX048757.D	08 Dec 2025 15:59	vial A pH<2 Surrogate fail	JC/MD	ReRun
18	Q3787-19	OW-02B-21.2-120425	VX048758.D	08 Dec 2025 16:19	vial A pH<2 Surrogate fail	JC/MD	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX120825

Review By	John Carlone	Review On	12/9/2025 8:11:51 AM
Supervise By	Maresh Dadoda	Supervise On	12/9/2025 12:45:16 PM
SubDirectory	VX120825	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136561		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136570,VP136571		

19	Q3787-21	TB01-120425	VX048759.D	08 Dec 2025 16:40	vial A pH<2 TB;Surrogate fail	JC/MD	ReRun
20	Q3788-07	OW-01B-66.5-120525	VX048760.D	08 Dec 2025 17:00	vial A pH<2 Surrogate fail	JC/MD	ReRun
21	Q3788-09	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	VX048764.D	08 Dec 2025 18:22	vial A pH<2	JC/MD	Ok,M
25	Q3787-03MSD	MW-15B-42.5-120425	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

LAB CHRONICLE

OrderID:	Q3757	OrderDate:	12/3/2025 9:25:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	--Select--,A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3757-01	MW-14A-17.5-120325	Water	VOCMS Group3	8260-Low	12/03/25		12/05/25	12/03/25
Q3757-03	BR-03D-490-120325	Water	VOCMS Group3	8260-Low	12/03/25		12/05/25	12/03/25
Q3757-05	MW-14B-46-120325	Water	VOCMS Group3	8260-Low	12/03/25		12/05/25	12/03/25
Q3757-05RE	MW-14B-46-120325R E	Water	VOCMS Group3	8260-Low	12/03/25		12/08/25	12/03/25
Q3757-07	RMW-05B-90.5-12032 5	Water	VOCMS Group3	8260-Low	12/03/25		12/05/25	12/03/25
Q3757-09	OW-05B-72-120325	Water	VOCMS Group3	8260-Low	12/03/25		12/05/25	12/03/25
Q3757-09RE	OW-05B-72-120325R E	Water	VOCMS Group3	8260-Low	12/03/25		12/08/25	12/03/25
Q3757-11	EB01-120325	Water	VOCMS Group3	8260-Low	12/03/25		12/04/25	12/03/25
Q3757-12	TB01-120325	Water	VOCMS Group3	8260-Low	12/03/25		12/04/25	12/03/25