

Hit Summary Sheet
SW-846

SDG No.: Q3828

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	BR-02-133-120925							
Q3828-01	BR-02-133-120925	Water	Trichloroethene	0.31	J	0.090	1.00	ug/L
			Total Voc :	0.31				
			Total Concentration:	0.31				
Client ID:	OWBR-06-219-120925							
Q3828-03	OWBR-06-219-120	Water	Trichloroethene	0.26	J	0.090	1.00	ug/L
			Total Voc :	0.26				
			Total Concentration:	0.26				
Client ID:	RMW-03B-90-120925							
Q3828-05	RMW-03B-90-1209	Water	Vinyl Chloride	6.10		0.26	1.00	ug/L
Q3828-05	RMW-03B-90-1209	Water	1,1-Dichloroethene	10.8		0.23	1.00	ug/L
Q3828-05	RMW-03B-90-1209	Water	1,1-Dichloroethane	44.8		0.23	1.00	ug/L
Q3828-05	RMW-03B-90-1209	Water	cis-1,2-Dichloroethene	1400	E	0.19	1.00	ug/L
Q3828-05	RMW-03B-90-1209	Water	Benzene	3.20		0.15	1.00	ug/L
Q3828-05	RMW-03B-90-1209	Water	1,2-Dichloroethane	3.00		0.22	1.00	ug/L
Q3828-05	RMW-03B-90-1209	Water	Trichloroethene	1200	E	0.090	1.00	ug/L
Q3828-05	RMW-03B-90-1209	Water	Tetrachloroethene	7.60		0.23	1.00	ug/L
			Total Voc :	2680				
			Total Concentration:	2680				
Client ID:	RMW-03B-90-120925DL							
Q3828-05DL	RMW-03B-90-1209	Water	Vinyl Chloride	8.60	JD	5.20	20.0	ug/L
Q3828-05DL	RMW-03B-90-1209	Water	1,1-Dichloroethene	12.0	JD	4.60	20.0	ug/L
Q3828-05DL	RMW-03B-90-1209	Water	1,1-Dichloroethane	54.8	D	4.60	20.0	ug/L
Q3828-05DL	RMW-03B-90-1209	Water	cis-1,2-Dichloroethene	1700	D	3.80	20.0	ug/L
Q3828-05DL	RMW-03B-90-1209	Water	Trichloroethene	1200	D	1.90	20.0	ug/L
Q3828-05DL	RMW-03B-90-1209	Water	Tetrachloroethene	5.70	JD	4.60	20.0	ug/L
			Total Voc :	2980				
			Total Concentration:	2980				
Client ID:	OWBR-03-138-120925							
Q3828-06	OWBR-03-138-120	Water	Benzene	0.67	J	0.15	1.00	ug/L
			Total Voc :	0.67				
			Total Concentration:	0.67				



SAMPLE DATA

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: BR-02-133-120925
 Lab Sample ID: Q3828-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/09/25
 Date Received: 12/09/25
 SDG No.: Q3828
 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	12/12/25 13:31	VX121225
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/12/25 13:31	VX121225
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/12/25 13:31	VX121225
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/12/25 13:31	VX121225
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/12/25 13:31	VX121225
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/12/25 13:31	VX121225
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/12/25 13:31	VX121225
79-01-6	Trichloroethene	0.31	J	1	0.090	1.00	ug/L	12/12/25 13:31	VX121225
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/12/25 13:31	VX121225
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/12/25 13:31	VX121225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.1			70 (74) - 130 (125)	122%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.7			70 (75) - 130 (124)	97%	SPK: 50		
2037-26-5	Toluene-d8	47.9			70 (86) - 130 (113)	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.9			70 (77) - 130 (121)	120%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	140000							
540-36-3	1,4-Difluorobenzene	297000							
3114-55-4	Chlorobenzene-d5	321000							
3855-82-1	1,4-Dichlorobenzene-d4	172000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: OWBR-06-219-120925
 Lab Sample ID: Q3828-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/09/25
 Date Received: 12/09/25
 SDG No.: Q3828
 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	12/12/25 13:53	VX121225
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/12/25 13:53	VX121225
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/12/25 13:53	VX121225
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/12/25 13:53	VX121225
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/12/25 13:53	VX121225
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/12/25 13:53	VX121225
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/12/25 13:53	VX121225
79-01-6	Trichloroethene	0.26	J	1	0.090	1.00	ug/L	12/12/25 13:53	VX121225
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/12/25 13:53	VX121225
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/12/25 13:53	VX121225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.3			70 (74) - 130 (125)	113%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.2			70 (75) - 130 (124)	96%	SPK: 50		
2037-26-5	Toluene-d8	47.1			70 (86) - 130 (113)	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	58.8			70 (77) - 130 (121)	118%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	121000							
540-36-3	1,4-Difluorobenzene	249000							
3114-55-4	Chlorobenzene-d5	272000							
3855-82-1	1,4-Dichlorobenzene-d4	142000							

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Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: RMW-03B-90-120925
 Lab Sample ID: Q3828-05
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/09/25
 Date Received: 12/09/25
 SDG No.: Q3828
 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	6.10		1	0.26	1.00	ug/L	12/11/25 18:44	VX121125
75-35-4	1,1-Dichloroethene	10.8		1	0.23	1.00	ug/L	12/11/25 18:44	VX121125
75-34-3	1,1-Dichloroethane	44.8		1	0.23	1.00	ug/L	12/11/25 18:44	VX121125
156-59-2	cis-1,2-Dichloroethene	1400	E	1	0.19	1.00	ug/L	12/11/25 18:44	VX121125
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/11/25 18:44	VX121125
71-43-2	Benzene	3.20		1	0.15	1.00	ug/L	12/11/25 18:44	VX121125
107-06-2	1,2-Dichloroethane	3.00		1	0.22	1.00	ug/L	12/11/25 18:44	VX121125
79-01-6	Trichloroethene	1200	E	1	0.090	1.00	ug/L	12/11/25 18:44	VX121125
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/11/25 18:44	VX121125
127-18-4	Tetrachloroethene	7.60		1	0.23	1.00	ug/L	12/11/25 18:44	VX121125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.4			70 (74) - 130 (125)	107%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.1			70 (75) - 130 (124)	94%	SPK: 50		
2037-26-5	Toluene-d8	48.3			70 (86) - 130 (113)	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.8			70 (77) - 130 (121)	98%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	173000							
540-36-3	1,4-Difluorobenzene	292000							
3114-55-4	Chlorobenzene-d5	260000							
3855-82-1	1,4-Dichlorobenzene-d4	126000							

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A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: RMW-03B-90-120925DL
 Lab Sample ID: Q3828-05DL
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/09/25
 Date Received: 12/09/25
 SDG No.: Q3828
 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	8.60	JD	20	5.20	20.0	ug/L	12/12/25 12:26	VX121225
75-35-4	1,1-Dichloroethene	12.0	JD	20	4.60	20.0	ug/L	12/12/25 12:26	VX121225
75-34-3	1,1-Dichloroethane	54.8	D	20	4.60	20.0	ug/L	12/12/25 12:26	VX121225
156-59-2	cis-1,2-Dichloroethene	1700	D	20	3.80	20.0	ug/L	12/12/25 12:26	VX121225
71-55-6	1,1,1-Trichloroethane	4.00	UD	20	4.00	20.0	ug/L	12/12/25 12:26	VX121225
71-43-2	Benzene	3.00	UD	20	3.00	20.0	ug/L	12/12/25 12:26	VX121225
107-06-2	1,2-Dichloroethane	4.40	UD	20	4.40	20.0	ug/L	12/12/25 12:26	VX121225
79-01-6	Trichloroethene	1200	D	20	1.90	20.0	ug/L	12/12/25 12:26	VX121225
79-00-5	1,1,2-Trichloroethane	4.20	UD	20	4.20	20.0	ug/L	12/12/25 12:26	VX121225
127-18-4	Tetrachloroethene	5.70	JD	20	4.60	20.0	ug/L	12/12/25 12:26	VX121225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.2			70 (74) - 130 (125)	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.5			70 (75) - 130 (124)	95%	SPK: 50		
2037-26-5	Toluene-d8	45.9			70 (86) - 130 (113)	92%	SPK: 50		
460-00-4	4-Bromofluorobenzene	58.1			70 (77) - 130 (121)	116%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	149000							
540-36-3	1,4-Difluorobenzene	311000							
3114-55-4	Chlorobenzene-d5	339000							
3855-82-1	1,4-Dichlorobenzene-d4	179000							

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

Client: JACOBS Engineering Group, Inc.
Project: Former Schlumberger STC PTC Site D3868221
Client Sample ID: OWBR-03-138-120925
Lab Sample ID: Q3828-06
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 12/09/25
Date Received: 12/09/25
SDG No.: Q3828
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	12/12/25 14:15	VX121225
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/12/25 14:15	VX121225
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/12/25 14:15	VX121225
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/12/25 14:15	VX121225
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/12/25 14:15	VX121225
71-43-2	Benzene	0.67	J	1	0.15	1.00	ug/L	12/12/25 14:15	VX121225
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/12/25 14:15	VX121225
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/12/25 14:15	VX121225
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/12/25 14:15	VX121225
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/12/25 14:15	VX121225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.1			70 (74) - 130 (125)	122%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.7			70 (75) - 130 (124)	99%	SPK: 50		
2037-26-5	Toluene-d8	48.2			70 (86) - 130 (113)	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.8			70 (77) - 130 (121)	120%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	128000							
540-36-3	1,4-Difluorobenzene	269000							
3114-55-4	Chlorobenzene-d5	296000							
3855-82-1	1,4-Dichlorobenzene-d4	155000							

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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: FB01-120925
Lab Sample ID: Q3828-08
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 12/09/25
Date Received: 12/09/25
SDG No.: Q3828
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	12/11/25 15:37	VX121125
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/11/25 15:37	VX121125
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/11/25 15:37	VX121125
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/11/25 15:37	VX121125
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/11/25 15:37	VX121125
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/11/25 15:37	VX121125
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/11/25 15:37	VX121125
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/11/25 15:37	VX121125
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/11/25 15:37	VX121125
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/11/25 15:37	VX121125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.5			70 (74) - 130 (125)	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.4			70 (75) - 130 (124)	99%	SPK: 50		
2037-26-5	Toluene-d8	49.7			70 (86) - 130 (113)	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	46.0			70 (77) - 130 (121)	92%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	218000							
540-36-3	1,4-Difluorobenzene	364000							
3114-55-4	Chlorobenzene-d5	324000							
3855-82-1	1,4-Dichlorobenzene-d4	141000							

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Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: TB01-120925
 Lab Sample ID: Q3828-09
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/09/25
 Date Received: 12/09/25
 SDG No.: Q3828
 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	12/11/25 15:58	VX121125
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/11/25 15:58	VX121125
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/11/25 15:58	VX121125
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/11/25 15:58	VX121125
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/11/25 15:58	VX121125
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/11/25 15:58	VX121125
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/11/25 15:58	VX121125
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/11/25 15:58	VX121125
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/11/25 15:58	VX121125
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/11/25 15:58	VX121125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.3			70 (74) - 130 (125)	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.8			70 (75) - 130 (124)	98%	SPK: 50		
2037-26-5	Toluene-d8	49.3			70 (86) - 130 (113)	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.5			70 (77) - 130 (121)	95%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	186000							
540-36-3	1,4-Difluorobenzene	310000							
3114-55-4	Chlorobenzene-d5	278000							
3855-82-1	1,4-Dichlorobenzene-d4	125000							

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.: **Q3828**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3828-01	BR-02-133-120925	1,2-Dichloroethane-d4	50	61.1	122		70 (74)	130 (125)
		Dibromofluoromethane	50	48.7	97		70 (75)	130 (124)
		Toluene-d8	50	47.9	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	59.9	120		70 (77)	130 (121)
Q3828-03	OWBR-06-219-120925	1,2-Dichloroethane-d4	50	56.3	113		70 (74)	130 (125)
		Dibromofluoromethane	50	48.2	96		70 (75)	130 (124)
		Toluene-d8	50	47.1	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.8	118		70 (77)	130 (121)
Q3828-05	RMW-03B-90-120925	1,2-Dichloroethane-d4	50	53.4	107		70 (74)	130 (125)
		Dibromofluoromethane	50	47.1	94		70 (75)	130 (124)
		Toluene-d8	50	48.3	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.8	98		70 (77)	130 (121)
Q3828-05DL	RMW-03B-90-120925DL	1,2-Dichloroethane-d4	50	58.2	116		70 (74)	130 (125)
		Dibromofluoromethane	50	47.5	95		70 (75)	130 (124)
		Toluene-d8	50	45.9	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.1	116		70 (77)	130 (121)
Q3828-06	OWBR-03-138-120925	1,2-Dichloroethane-d4	50	61.1	122		70 (74)	130 (125)
		Dibromofluoromethane	50	49.7	99		70 (75)	130 (124)
		Toluene-d8	50	48.2	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	59.8	120		70 (77)	130 (121)
Q3828-08	FB01-120925	1,2-Dichloroethane-d4	50	52.5	105		70 (74)	130 (125)
		Dibromofluoromethane	50	49.4	99		70 (75)	130 (124)
		Toluene-d8	50	49.7	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.0	92		70 (77)	130 (121)
Q3828-09	TB01-120925	1,2-Dichloroethane-d4	50	52.3	105		70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98		70 (75)	130 (124)
		Toluene-d8	50	49.3	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.5	95		70 (77)	130 (121)
VX1211WBL01	VX1211WBL01	1,2-Dichloroethane-d4	50	47.5	95		70 (74)	130 (125)
		Dibromofluoromethane	50	47.7	95		70 (75)	130 (124)
		Toluene-d8	50	49.4	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.4	87		70 (77)	130 (121)
VX1211WBS01	VX1211WBS01	1,2-Dichloroethane-d4	50	56.0	112		70 (74)	130 (125)
		Dibromofluoromethane	50	54.6	109		70 (75)	130 (124)
		Toluene-d8	50	53.0	106		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.2	110		70 (77)	130 (121)
VX1211WBSD0	VX1211WBSD01	1,2-Dichloroethane-d4	50	53.0	106		70 (74)	130 (125)
		Dibromofluoromethane	50	53.2	106		70 (75)	130 (124)
		Toluene-d8	50	53.1	106		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.6	111		70 (77)	130 (121)
VX1212WBL01	VX1212WBL01	1,2-Dichloroethane-d4	50	57.7	115		70 (74)	130 (125)
		Dibromofluoromethane	50	47.6	95		70 (75)	130 (124)
		Toluene-d8	50	47.8	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	60.2	120		70 (77)	130 (121)
VX1212WBS01	VX1212WBS01	1,2-Dichloroethane-d4	50	60.2	120		70 (74)	130 (125)
		Dibromofluoromethane	50	56.5	113		70 (75)	130 (124)
		Toluene-d8	50	55.6	111		70 (86)	130 (113)
		4-Bromofluorobenzene	50	60.4	121		70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3828</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	Datafile :	<u>VX048825.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1211WBS01	Vinyl chloride	20	16.7	ug/L	84			70 (65)	130 (117)	
	1,1-Dichloroethene	20	16.8	ug/L	84			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	18.4	ug/L	92			70 (80)	130 (108)	
	Benzene	20	18.4	ug/L	92			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.5	ug/L	93			70 (80)	130 (115)	
	Trichloroethene	20	17.2	ug/L	86			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	18.0	ug/L	90			70 (83)	130 (112)	
	Tetrachloroethene	20	15.7	ug/L	79			70 (67)	130 (123)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3828</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	Datafile :	<u>VX048826.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1211WBSD01	Vinyl chloride	20	18.6	ug/L	93	10		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	19.2	ug/L	96	13		70 (74)	130 (110)	20 (20)
	1,1-Dichloroethane	20	22.3	ug/L	112	13		70 (78)	130 (112)	20 (20)
	cis-1,2-Dichloroethene	20	21.4	ug/L	107	12		70 (77)	130 (110)	20 (20)
	1,1,1-Trichloroethane	20	21.1	ug/L	106	14		70 (80)	130 (108)	20 (20)
	Benzene	20	21.4	ug/L	107	15		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	21.7	ug/L	109	16		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.9	ug/L	104	19		70 (77)	130 (113)	20 (15)
	1,1,2-Trichloroethane	20	21.8	ug/L	109	19		70 (83)	130 (112)	20 (20)
	Tetrachloroethene	20	19.9	ug/L	100	23	*	70 (67)	130 (123)	20 (15)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3828</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	Datafile :	<u>VX048843.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1212WBS01	Vinyl chloride	20	18.1	ug/L	91			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.1	ug/L	91			70 (74)	130 (110)	
	1,1-Dichloroethane	20	22.6	ug/L	113			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	21.3	ug/L	106			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	20.6	ug/L	103			70 (80)	130 (108)	
	Benzene	20	20.8	ug/L	104			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.2	ug/L	106			70 (80)	130 (115)	
	Trichloroethene	20	19.9	ug/L	100			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	19.7	ug/L	99			70 (83)	130 (112)	
	Tetrachloroethene	20	17.2	ug/L	86			70 (67)	130 (123)	

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1211WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3828

Lab File ID: VX048824.D

Lab Sample ID: VX1211WBL01

Date Analyzed: 12/11/2025

Time Analyzed: 14:06

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
VX1211WBS01	VX1211WBS01	VX048825.D	12/11/2025
VX1211WBSD01	VX1211WBSD01	VX048826.D	12/11/2025
FB01-120925	Q3828-08	VX048827.D	12/11/2025
TB01-120925	Q3828-09	VX048828.D	12/11/2025
RMW-03B-90-120925	Q3828-05	VX048836.D	12/11/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1212WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3828

Lab File ID: VX048842.D

Lab Sample ID: VX1212WBL01

Date Analyzed: 12/12/2025

Time Analyzed: 10:31

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
VX1212WBS01	VX1212WBS01	VX048843.D	12/12/2025
RMW-03B-90-120925DL	Q3828-05DL	VX048847.D	12/12/2025
BR-02-133-120925	Q3828-01	VX048850.D	12/12/2025
OWBR-06-219-120925	Q3828-03	VX048851.D	12/12/2025
OWBR-03-138-120925	Q3828-06	VX048852.D	12/12/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

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

Contract: JACO05
SDG NO.: Q3828
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.: Q3828

Lab File ID: VX048821.D

BFB Injection Date: 12/11/2025

Instrument ID: MSVOA_X

BFB Injection Time: 12:08

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	17.9
75	30.0 - 60.0% of mass 95	50.6
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	78.2
175	5.0 - 9.0% of mass 174	6.2 (8) 1
176	95.0 - 101.0% of mass 174	75.2 (96.1) 1
177	5.0 - 9.0% of mass 176	5 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048822.D	12/11/2025	13:02
VX1211WBL01	VX1211WBL01	VX048824.D	12/11/2025	14:06
VX1211WBS01	VX1211WBS01	VX048825.D	12/11/2025	14:31
VX1211WBSD01	VX1211WBSD01	VX048826.D	12/11/2025	14:52
FB01-120925	Q3828-08	VX048827.D	12/11/2025	15:37
TB01-120925	Q3828-09	VX048828.D	12/11/2025	15:58
RMW-03B-90-120925	Q3828-05	VX048836.D	12/11/2025	18:44

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3828

Lab File ID: VX048839.D

BFB Injection Date: 12/12/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:44

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 60.0% of mass 95	49.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	76.7
175	5.0 - 9.0% of mass 174	5.8 (7.6) 1
176	95.0 - 101.0% of mass 174	74.4 (97) 1
177	5.0 - 9.0% of mass 176	4.4 (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
VSTDCCC050	VSTDCCC050	VX048840.D	12/12/2025	09:12
VX1212WBL01	VX1212WBL01	VX048842.D	12/12/2025	10:31
VX1212WBS01	VX1212WBS01	VX048843.D	12/12/2025	10:52
RMW-03B-90-120925DL	Q3828-05DL	VX048847.D	12/12/2025	12:26
BR-02-133-120925	Q3828-01	VX048850.D	12/12/2025	13:31
OWBR-06-219-120925	Q3828-03	VX048851.D	12/12/2025	13:53
OWBR-03-138-120925	Q3828-06	VX048852.D	12/12/2025	14:15

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005
 Lab Code: ACE SDG NO.: Q3828
 Lab File ID: VX048822.D Date Analyzed: 12/11/2025
 Instrument ID: MSVOA_X Time Analyzed: 13:02
 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	165373	5.53	271652	6.74	243221	10.04
UPPER LIMIT	330746	6.031	543304	7.239	486442	10.537
LOWER LIMIT	82686.5	5.031	135826	6.239	121611	9.537
EPA SAMPLE NO.						
RMW-03B-90-120925	172815	5.54	291968	6.74	260001	10.04
FB01-120925	217735	5.54	364455	6.75	324371	10.04
TB01-120925	185904	5.54	310427	6.75	278196	10.04
VX1211WBL01	251542	5.53	411094	6.74	347963	10.04
VX1211WBS01	197059	5.53	327688	6.74	298607	10.04
VX1211WBSD01	160103	5.54	261734	6.75	237436	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>Q3828</u>
Lab File ID:	<u>VX048822.D</u>	Date Analyzed:	<u>12/11/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>13:02</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	120178	12.00€				
UPPER LIMIT	240356	12.50€				
LOWER LIMIT	60089	11.50€				
EPA SAMPLE NO.						
RMW-03B-90-120925	125510	12.01				
FB01-120925	140783	12.01				
TB01-120925	125050	12.01				
VX1211WBL01	149114	12.00				
VX1211WBS01	146374	12.00				
VX1211WBSD01	119141	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:	<u>Alliance</u>	Contract:	<u>JACO05</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3828</u>
Lab File ID:	<u>VX048840.D</u>	Date Analyzed:	<u>12/12/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>09:12</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	152770	5.53	255110	6.74	228178	10.04
UPPER LIMIT	305540	6.031	510220	7.238	456356	10.537
LOWER LIMIT	76385	5.031	127555	6.238	114089	9.537
EPA SAMPLE NO.						
BR-02-133-120925	139671	5.54	296647	6.75	321216	10.04
OWBR-06-219-120925	121163	5.53	249454	6.75	271761	10.04
RMW-03B-90-120925DL	149273	5.53	310587	6.75	339410	10.04
OWBR-03-138-120925	127740	5.54	268556	6.75	295742	10.04
VX1212WBL01	157967	5.54	331453	6.75	357991	10.04
VX1212WBS01	146797	5.54	247822	6.74	232443	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>Q3828</u>
Lab File ID:	<u>VX048840.D</u>	Date Analyzed:	<u>12/12/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>09:12</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	111775	12				
UPPER LIMIT	223550	12.5				
LOWER LIMIT	55887.5	11.5				
EPA SAMPLE NO.						
BR-02-133-120925	171700	12.01				
OWBR-06-219-120925	141522	12.01				
RMW-03B-90-120925DL	178609	12.01				
OWBR-03-138-120925	154634	12.01				
VX1212WBL01	186392	12.00				
VX1212WBS01	121851	12.01				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA



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: VX1211WBL01
Lab Sample ID: VX1211WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3828
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	12/11/25 14:06	VX121125
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/11/25 14:06	VX121125
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/11/25 14:06	VX121125
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/11/25 14:06	VX121125
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/11/25 14:06	VX121125
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/11/25 14:06	VX121125
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/11/25 14:06	VX121125
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/11/25 14:06	VX121125
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/11/25 14:06	VX121125
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/11/25 14:06	VX121125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	47.5			70 (74) - 130 (125)	95%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.7			70 (75) - 130 (124)	95%	SPK: 50		
2037-26-5	Toluene-d8	49.4			70 (86) - 130 (113)	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.4			70 (77) - 130 (121)	87%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	252000							
540-36-3	1,4-Difluorobenzene	411000							
3114-55-4	Chlorobenzene-d5	348000							
3855-82-1	1,4-Dichlorobenzene-d4	149000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VX1212WBL01
 Lab Sample ID: VX1212WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3828
 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	12/12/25 10:31	VX121225
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/12/25 10:31	VX121225
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/12/25 10:31	VX121225
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/12/25 10:31	VX121225
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/12/25 10:31	VX121225
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/12/25 10:31	VX121225
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/12/25 10:31	VX121225
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/12/25 10:31	VX121225
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/12/25 10:31	VX121225
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/12/25 10:31	VX121225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.7			70 (74) - 130 (125)	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.6			70 (75) - 130 (124)	95%	SPK: 50		
2037-26-5	Toluene-d8	47.8			70 (86) - 130 (113)	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	60.2			70 (77) - 130 (121)	120%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	158000							
540-36-3	1,4-Difluorobenzene	331000							
3114-55-4	Chlorobenzene-d5	358000							
3855-82-1	1,4-Dichlorobenzene-d4	186000							

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: VX1211WBS01
 Lab Sample ID: VX1211WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3828
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	16.7		1	0.26	1.00	ug/L	12/11/25 14:31	VX121125
75-35-4	1,1-Dichloroethene	16.8		1	0.23	1.00	ug/L	12/11/25 14:31	VX121125
75-34-3	1,1-Dichloroethane	19.6		1	0.23	1.00	ug/L	12/11/25 14:31	VX121125
156-59-2	cis-1,2-Dichloroethene	19.0		1	0.19	1.00	ug/L	12/11/25 14:31	VX121125
71-55-6	1,1,1-Trichloroethane	18.4		1	0.20	1.00	ug/L	12/11/25 14:31	VX121125
71-43-2	Benzene	18.4		1	0.15	1.00	ug/L	12/11/25 14:31	VX121125
107-06-2	1,2-Dichloroethane	18.5		1	0.22	1.00	ug/L	12/11/25 14:31	VX121125
79-01-6	Trichloroethene	17.2		1	0.090	1.00	ug/L	12/11/25 14:31	VX121125
79-00-5	1,1,2-Trichloroethane	18.0		1	0.21	1.00	ug/L	12/11/25 14:31	VX121125
127-18-4	Tetrachloroethene	15.7		1	0.23	1.00	ug/L	12/11/25 14:31	VX121125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.0			70 (74) - 130 (125)	112%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.6			70 (75) - 130 (124)	109%	SPK: 50		
2037-26-5	Toluene-d8	53.0			70 (86) - 130 (113)	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.2			70 (77) - 130 (121)	110%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	197000							
540-36-3	1,4-Difluorobenzene	328000							
3114-55-4	Chlorobenzene-d5	299000							
3855-82-1	1,4-Dichlorobenzene-d4	146000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VX1212WBS01
 Lab Sample ID: VX1212WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3828
 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	18.1		1	0.26	1.00	ug/L	12/12/25 10:52	VX121225
75-35-4	1,1-Dichloroethene	18.1		1	0.23	1.00	ug/L	12/12/25 10:52	VX121225
75-34-3	1,1-Dichloroethane	22.6		1	0.23	1.00	ug/L	12/12/25 10:52	VX121225
156-59-2	cis-1,2-Dichloroethene	21.3		1	0.19	1.00	ug/L	12/12/25 10:52	VX121225
71-55-6	1,1,1-Trichloroethane	20.6		1	0.20	1.00	ug/L	12/12/25 10:52	VX121225
71-43-2	Benzene	20.8		1	0.15	1.00	ug/L	12/12/25 10:52	VX121225
107-06-2	1,2-Dichloroethane	21.2		1	0.22	1.00	ug/L	12/12/25 10:52	VX121225
79-01-6	Trichloroethene	19.9		1	0.090	1.00	ug/L	12/12/25 10:52	VX121225
79-00-5	1,1,2-Trichloroethane	19.7		1	0.21	1.00	ug/L	12/12/25 10:52	VX121225
127-18-4	Tetrachloroethene	17.2		1	0.23	1.00	ug/L	12/12/25 10:52	VX121225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.2			70 (74) - 130 (125)	120%	SPK: 50		
1868-53-7	Dibromofluoromethane	56.5			70 (75) - 130 (124)	113%	SPK: 50		
2037-26-5	Toluene-d8	55.6			70 (86) - 130 (113)	111%	SPK: 50		
460-00-4	4-Bromofluorobenzene	60.4			70 (77) - 130 (121)	121%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	147000							
540-36-3	1,4-Difluorobenzene	248000							
3114-55-4	Chlorobenzene-d5	232000							
3855-82-1	1,4-Dichlorobenzene-d4	122000							

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: VX1211WBSD01
Lab Sample ID: VX1211WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3828
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	18.6		1	0.26	1.00	ug/L	12/11/25 14:52	VX121125
75-35-4	1,1-Dichloroethene	19.2		1	0.23	1.00	ug/L	12/11/25 14:52	VX121125
75-34-3	1,1-Dichloroethane	22.3		1	0.23	1.00	ug/L	12/11/25 14:52	VX121125
156-59-2	cis-1,2-Dichloroethene	21.4		1	0.19	1.00	ug/L	12/11/25 14:52	VX121125
71-55-6	1,1,1-Trichloroethane	21.1		1	0.20	1.00	ug/L	12/11/25 14:52	VX121125
71-43-2	Benzene	21.4		1	0.15	1.00	ug/L	12/11/25 14:52	VX121125
107-06-2	1,2-Dichloroethane	21.7		1	0.22	1.00	ug/L	12/11/25 14:52	VX121125
79-01-6	Trichloroethene	20.9		1	0.090	1.00	ug/L	12/11/25 14:52	VX121125
79-00-5	1,1,2-Trichloroethane	21.8		1	0.21	1.00	ug/L	12/11/25 14:52	VX121125
127-18-4	Tetrachloroethene	19.9		1	0.23	1.00	ug/L	12/11/25 14:52	VX121125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.0			70 (74) - 130 (125)	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.2			70 (75) - 130 (124)	106%	SPK: 50		
2037-26-5	Toluene-d8	53.1			70 (86) - 130 (113)	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.6			70 (77) - 130 (121)	111%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	160000							
540-36-3	1,4-Difluorobenzene	262000							
3114-55-4	Chlorobenzene-d5	237000							
3855-82-1	1,4-Dichlorobenzene-d4	119000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>JAC005</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3828</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>Q3828</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>12/11/2025</u> <u>13:02</u>
Lab File ID:	<u>VX048822.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	0.614		-10.36	20
1,1-Dichloroethene	0.581	0.538		-7.4	20
1,1-Dichloroethane	1.016	1.054	0.1	3.74	20
cis-1,2-Dichloroethene	0.669	0.676		1.05	20
1,1,1-Trichloroethane	0.975	0.959		-1.64	20
Benzene	1.398	1.379		-1.36	20
1,2-Dichloroethane	0.495	0.485		-2.02	20
Trichloroethene	0.365	0.350		-4.11	20
1,1,2-Trichloroethane	0.339	0.326		-3.84	20
Tetrachloroethene	0.364	0.333		-8.52	20
1,2-Dichloroethane-d4	0.671	0.692		3.13	20
Dibromofluoromethane	0.344	0.355		3.2	20
Toluene-d8	1.207	1.224		1.41	20
4-Bromofluorobenzene	0.416	0.441		6.01	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>Q3828</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>12/12/2025</u> <u>09:12</u>
Lab File ID:	<u>VX048840.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	0.673		-1.75	20
1,1-Dichloroethene	0.581	0.544		-6.37	20
1,1-Dichloroethane	1.016	1.186	0.1	16.73	20
cis-1,2-Dichloroethene	0.669	0.722		7.92	20
1,1,1-Trichloroethane	0.975	1.012		3.8	20
Benzene	1.398	1.448		3.58	20
1,2-Dichloroethane	0.495	0.511		3.23	20
Trichloroethene	0.365	0.363		-0.55	20
1,1,2-Trichloroethane	0.339	0.328		-3.24	20
Tetrachloroethene	0.364	0.328		-9.89	20
1,2-Dichloroethane-d4	0.671	0.706		5.22	20
Dibromofluoromethane	0.344	0.357		3.78	20
Toluene-d8	1.207	1.182		-2.07	20
4-Bromofluorobenzene	0.416	0.422		1.44	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\VX121225\
 Data File : VX048850.D
 Acq On : 12 Dec 2025 13:31
 Operator : JC/MD
 Sample : Q3828-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-02-133-120925

Quant Time: Dec 12 22:12:33 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)

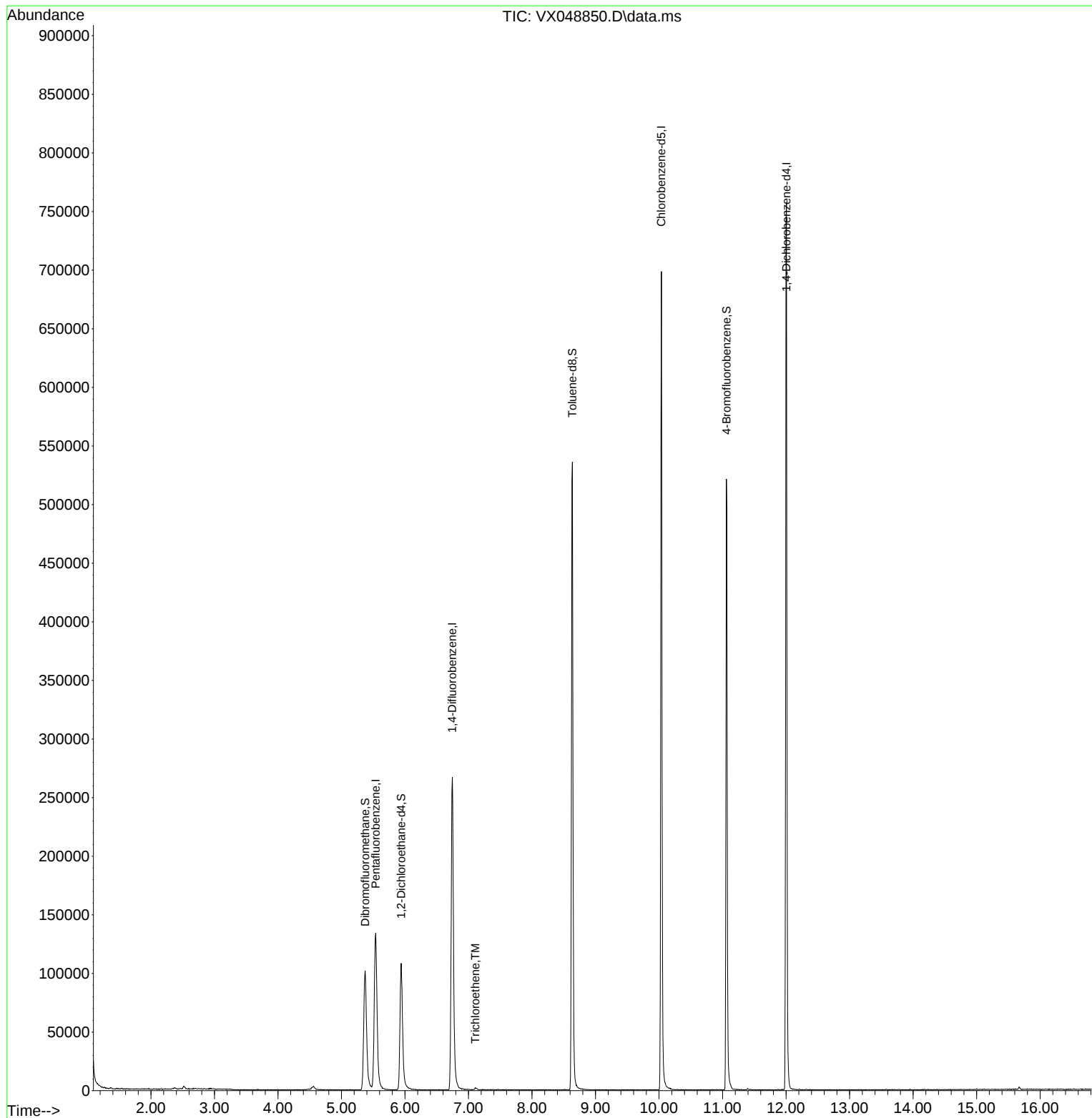
Internal Standards						
1) Pentafluorobenzene	5.537	168	139671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	296647	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	321216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	171700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	114631	61.148	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	122.300%#
35) Dibromofluoromethane	5.373	113	99461	48.695	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.380%
50) Toluene-d8	8.634	98	342777	47.876	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.760%
62) 4-Bromofluorobenzene	11.061	95	147914	59.911	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.820%
Target Compounds						
44) Trichloroethene	7.104	130	664	0.307	ug/l	Qvalue 90

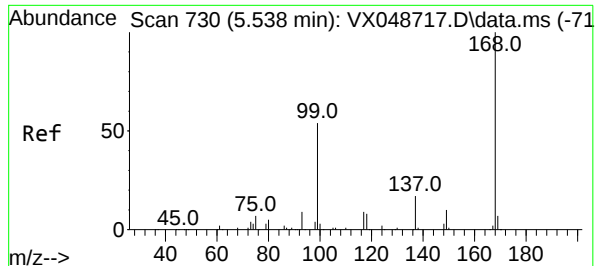
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
Data File : VX048850.D
Acq On : 12 Dec 2025 13:31
Operator : JC/MD
Sample : Q3828-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-120925

Quant Time: Dec 12 22:12:33 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

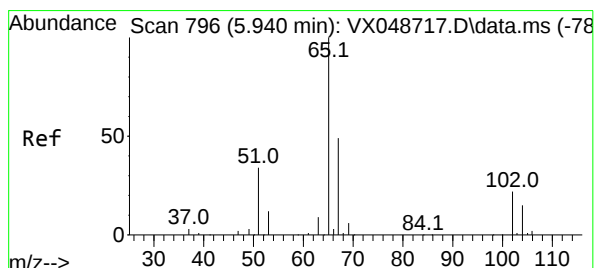
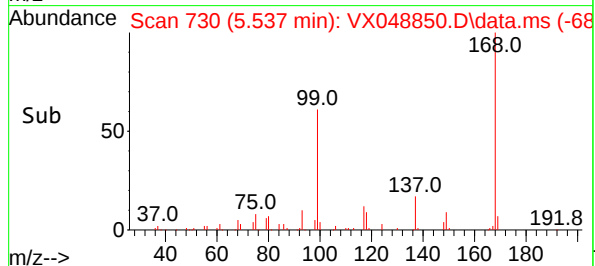
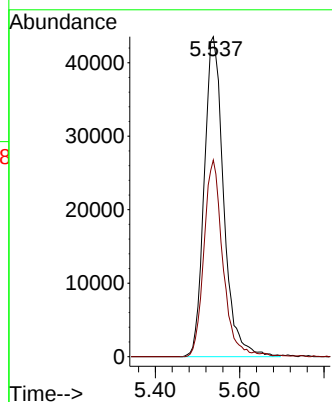
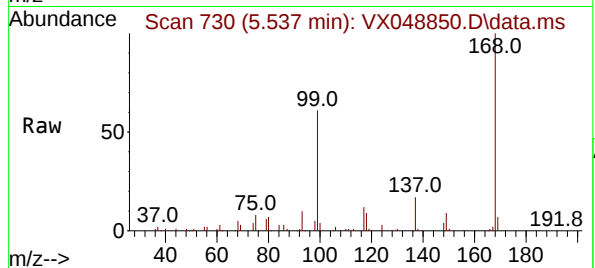




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048850.D
Acq: 12 Dec 2025 13:31

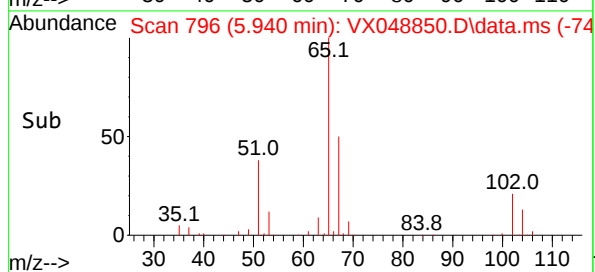
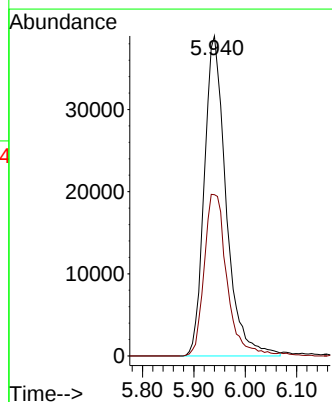
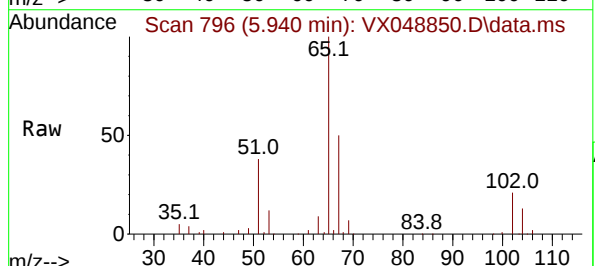
Instrument :
MSVOA_X
ClientSampleId :
BR-02-133-120925

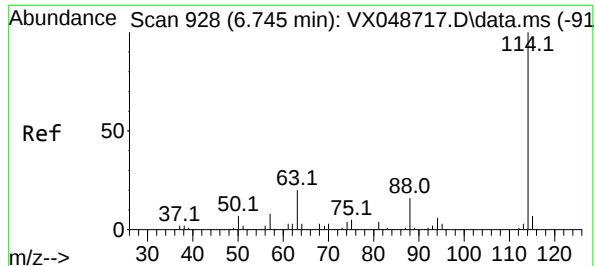
Tgt Ion:168 Resp: 139671
Ion Ratio Lower Upper
168 100
99 61.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 61.148 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048850.D
Acq: 12 Dec 2025 13:31

Tgt Ion: 65 Resp: 114631
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048850.D

Acq: 12 Dec 2025 13:31

Instrument :

MSVOA_X

ClientSampleId :

BR-02-133-120925

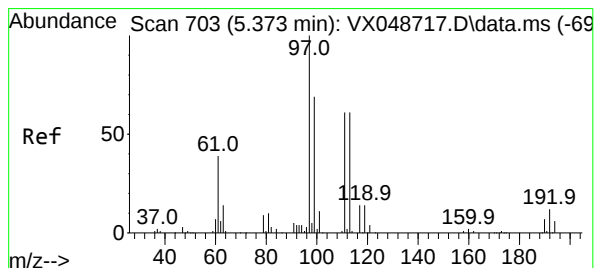
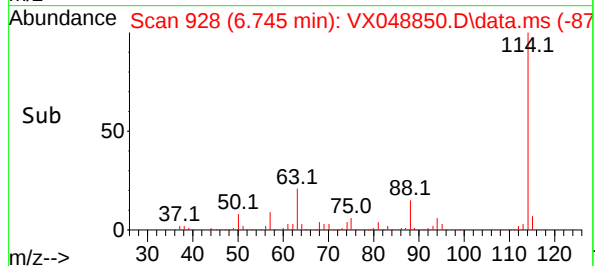
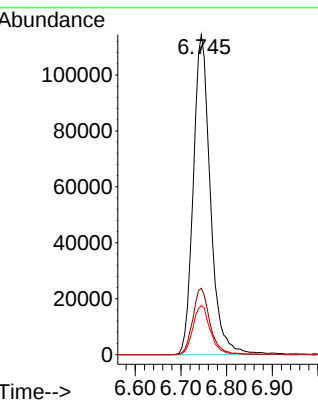
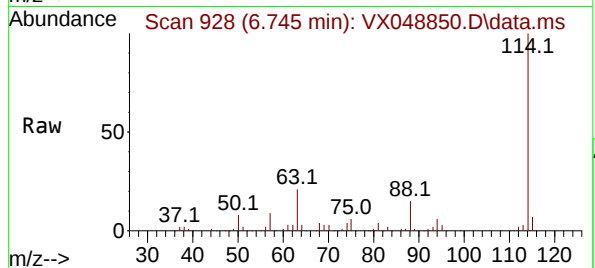
Tgt Ion:114 Resp: 296647

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.695 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048850.D

Acq: 12 Dec 2025 13:31

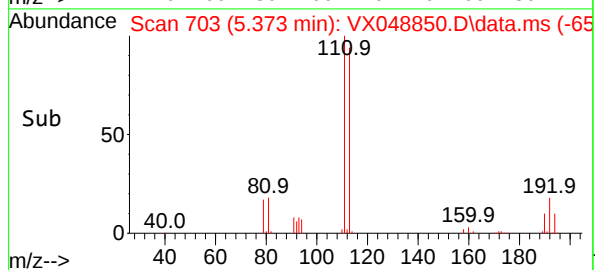
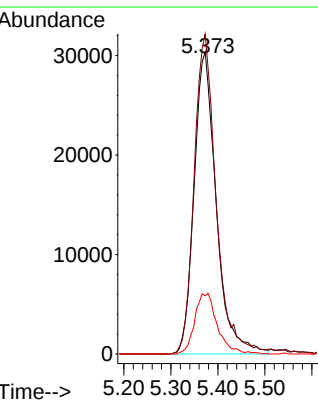
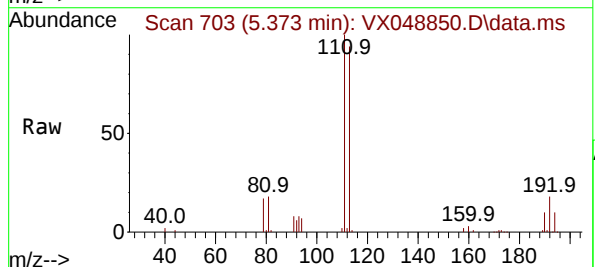
Tgt Ion:113 Resp: 99461

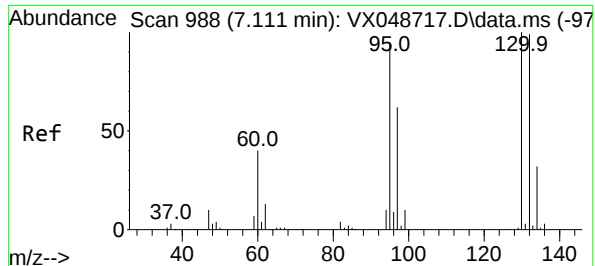
Ion Ratio Lower Upper

113 100

111 104.3 79.5 119.3

192 20.2 16.1 24.1





#44

Trichloroethene

Concen: 0.307 ug/l

RT: 7.104 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX048850.D

Acq: 12 Dec 2025 13:31

Instrument :

MSVOA_X

ClientSampleId :

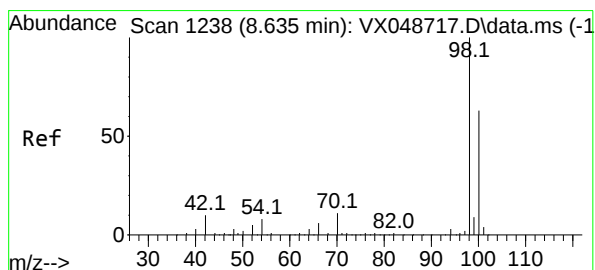
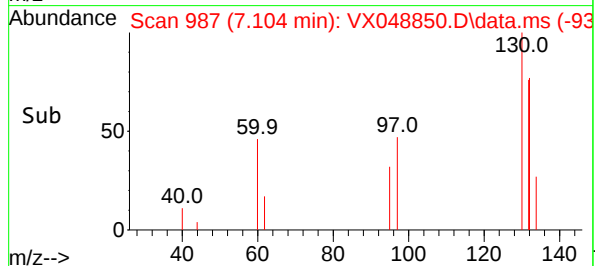
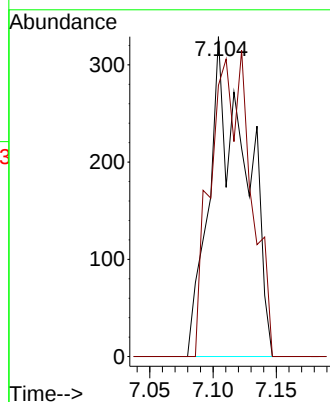
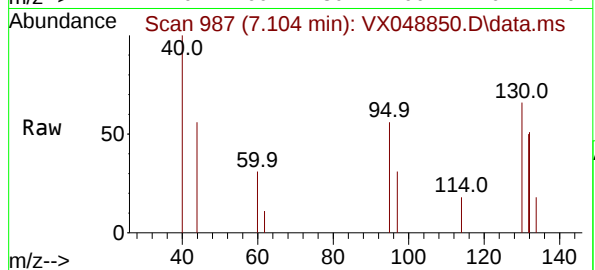
BR-02-133-120925

Tgt Ion:130 Resp: 664

Ion Ratio Lower Upper

130 100

95 84.8 0.0 189.6



#50

Toluene-d8

Concen: 47.876 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048850.D

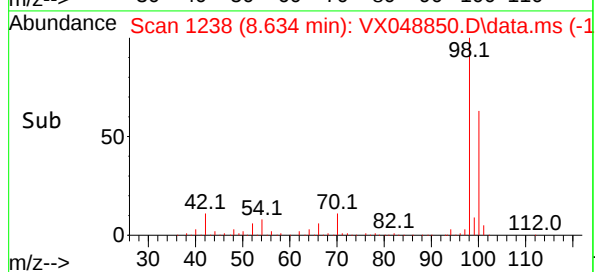
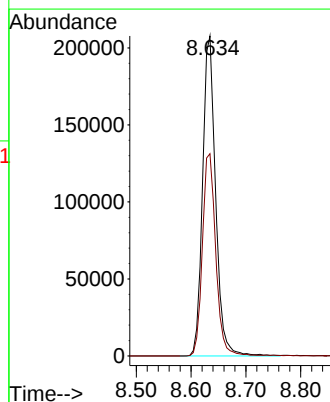
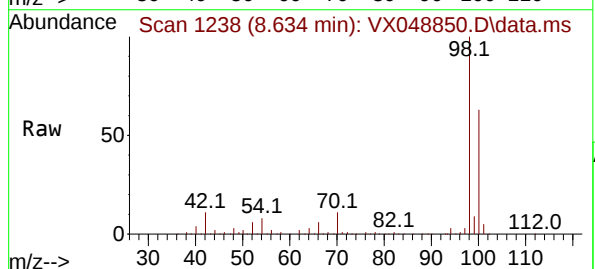
Acq: 12 Dec 2025 13:31

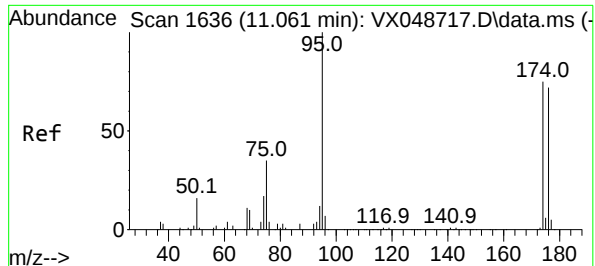
Tgt Ion: 98 Resp: 342777

Ion Ratio Lower Upper

98 100

100 64.8 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 59.911 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048850.D

Acq: 12 Dec 2025 13:31

Instrument :

MSVOA_X

ClientSampleId :

BR-02-133-120925

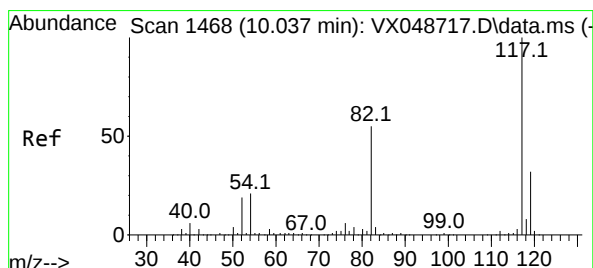
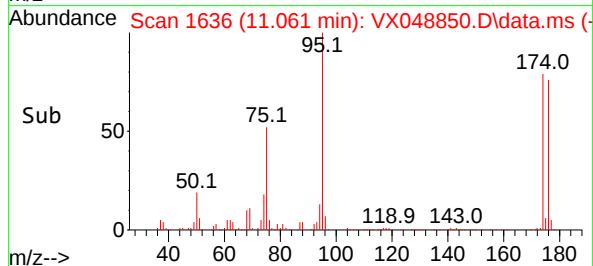
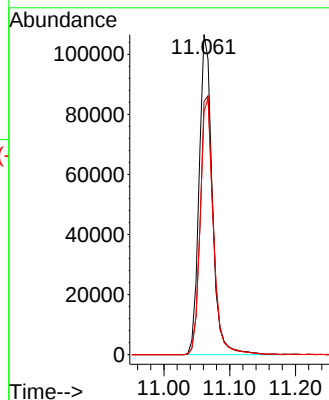
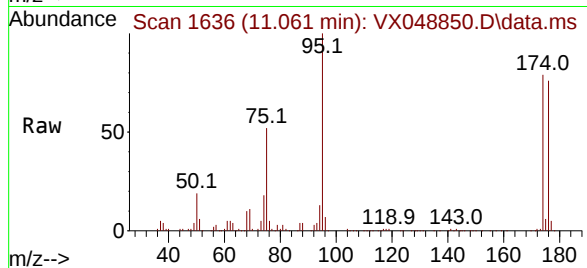
Tgt Ion: 95 Resp: 147914

Ion Ratio Lower Upper

95 100

174 81.5 0.0 157.8

176 80.2 0.0 154.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048850.D

Acq: 12 Dec 2025 13:31

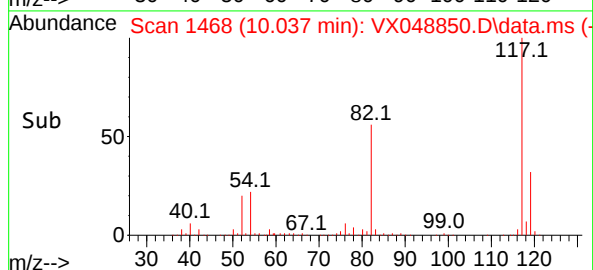
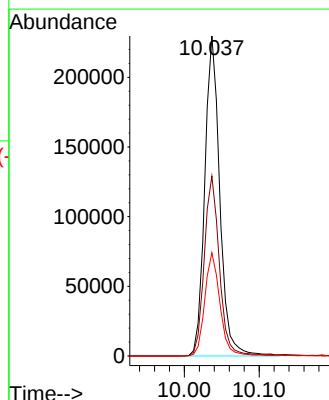
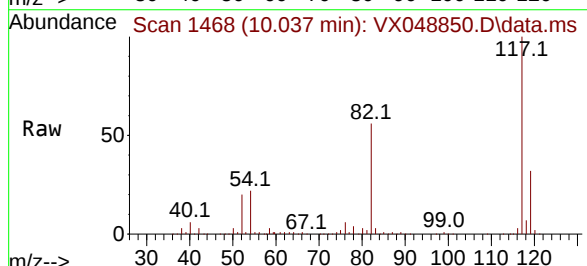
Tgt Ion: 117 Resp: 321216

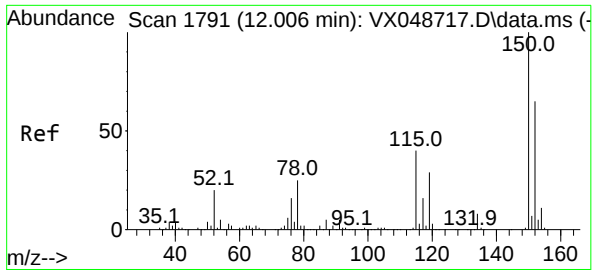
Ion Ratio Lower Upper

117 100

82 56.3 44.1 66.1

119 32.2 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048850.D

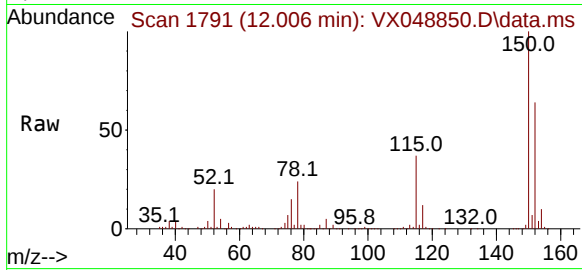
Acq: 12 Dec 2025 13:31

Instrument :

MSVOA_X

ClientSampleId :

BR-02-133-120925



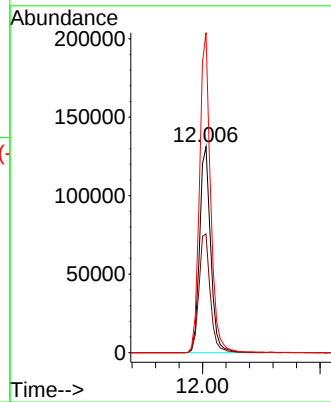
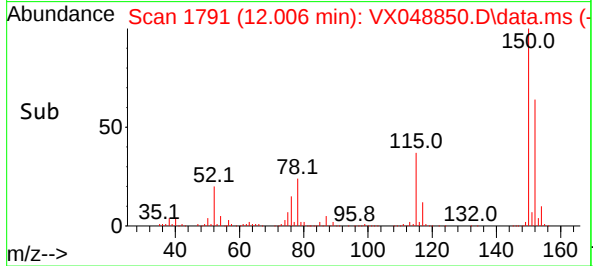
Tgt Ion:152 Resp: 171700

Ion Ratio Lower Upper

152 100

115 59.0 42.1 126.4

150 154.5 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048851.D
 Acq On : 12 Dec 2025 13:53
 Operator : JC/MD
 Sample : Q3828-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-06-219-120925

Quant Time: Dec 12 22:12:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

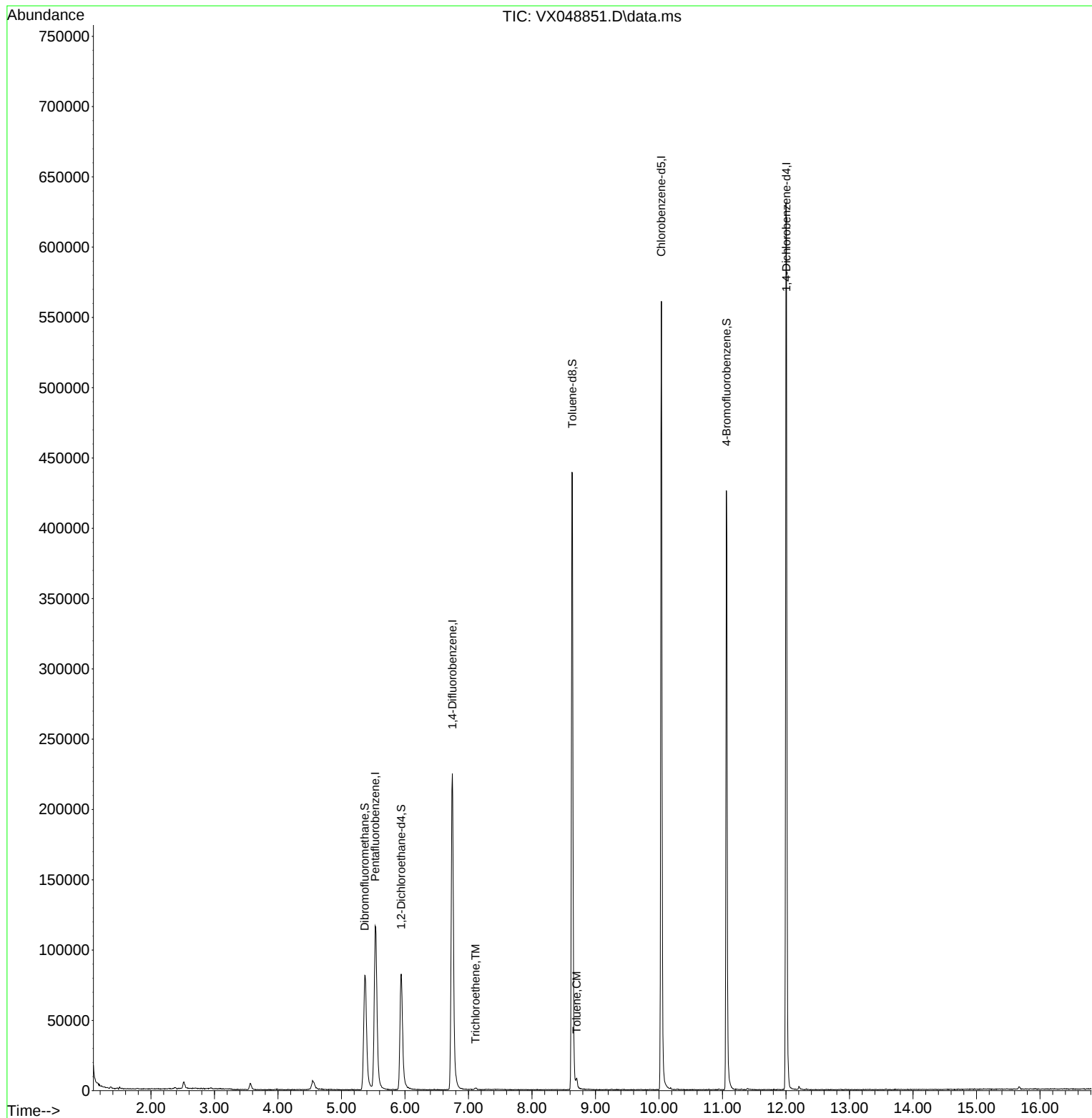
Internal Standards						
1) Pentafluorobenzene	5.532	168	121163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	249454	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	271761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	91485	56.256	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.520%
35) Dibromofluoromethane	5.367	113	82859	48.241	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.480%
50) Toluene-d8	8.635	98	283444	47.078	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.160%
62) 4-Bromofluorobenzene	11.061	95	122055	58.790	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.580%
Target Compounds						
44) Trichloroethene	7.111	130	480	0.264	ug/l	74
52) Toluene	8.702	92	2428	0.577	ug/l	100

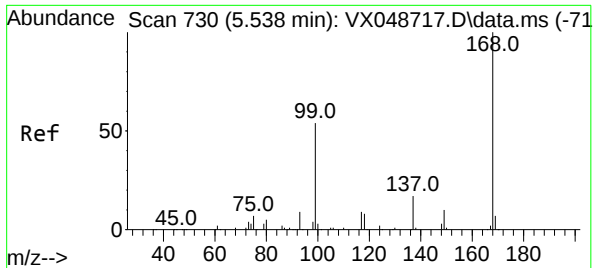
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
Data File : VX048851.D
Acq On : 12 Dec 2025 13:53
Operator : JC/MD
Sample : Q3828-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OWBR-06-219-120925

Quant Time: Dec 12 22:12:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

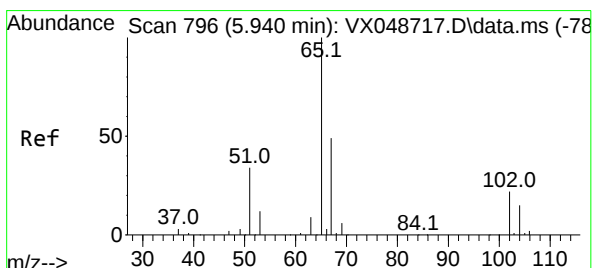
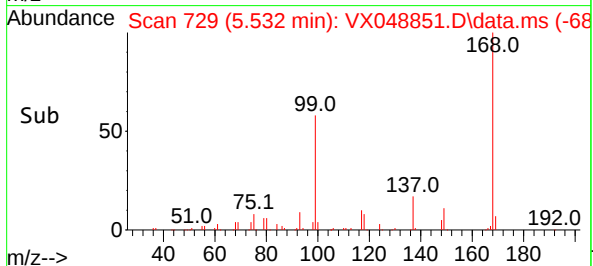
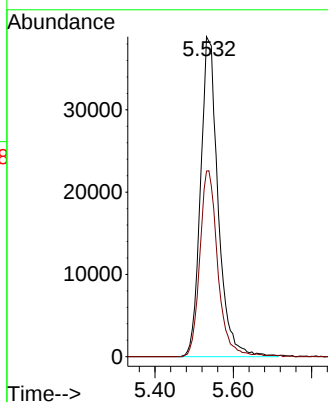
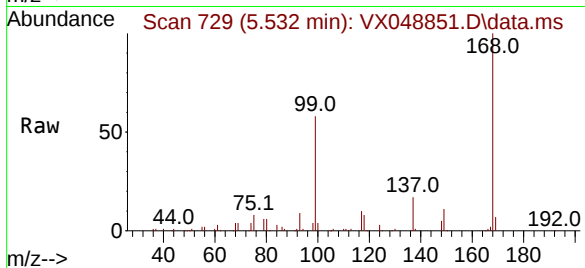




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048851.D
Acq: 12 Dec 2025 13:53

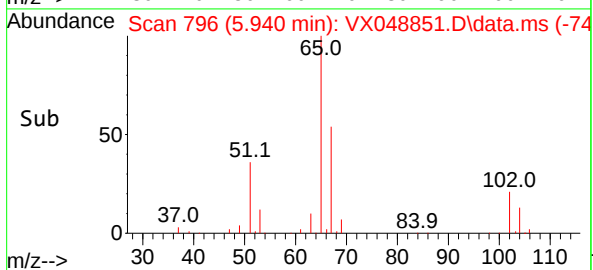
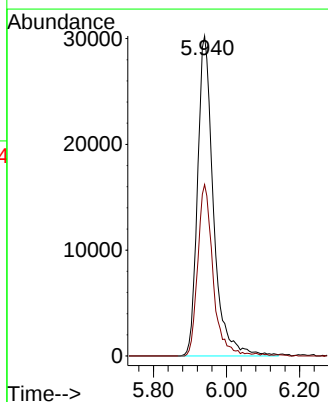
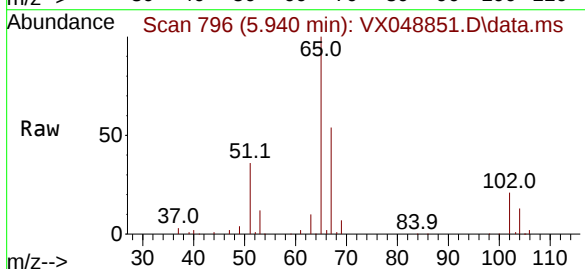
Instrument :
MSVOA_X
ClientSampleId :
OWBR-06-219-120925

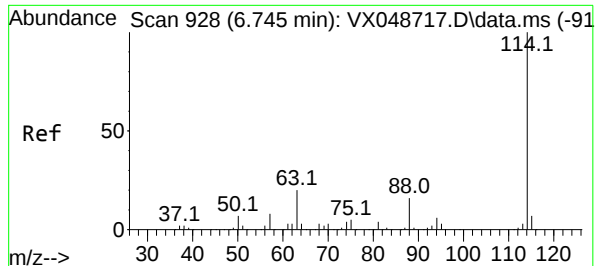
Tgt Ion:168 Resp: 121163
Ion Ratio Lower Upper
168 100
99 58.0 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 56.256 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048851.D
Acq: 12 Dec 2025 13:53

Tgt Ion: 65 Resp: 91485
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# 91

Delta R.T. 0.000 min

Lab File: VX048851.D

Acq: 12 Dec 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

OWBR-06-219-120925

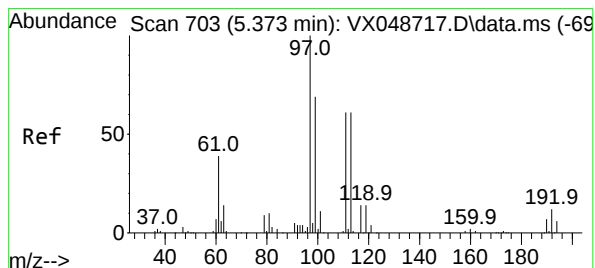
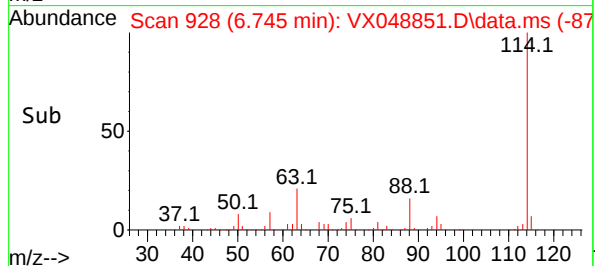
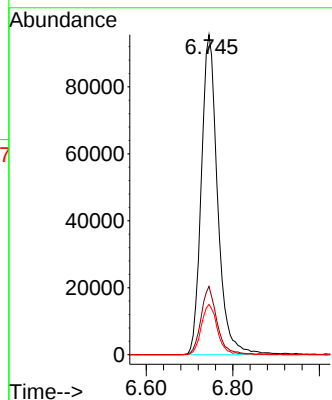
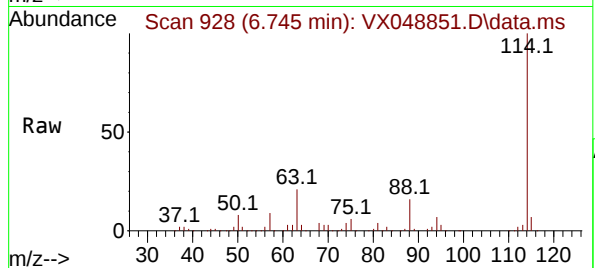
Tgt Ion:114 Resp: 249454

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.0

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.241 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX048851.D

Acq: 12 Dec 2025 13:53

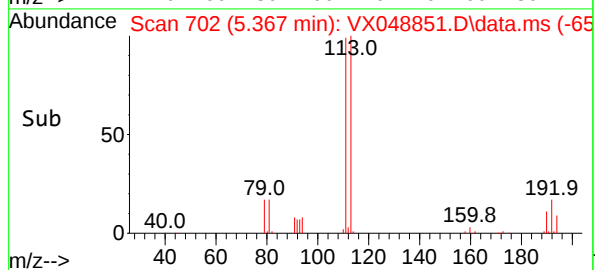
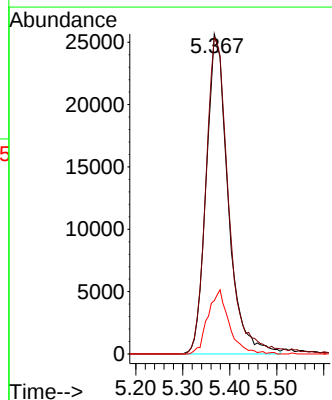
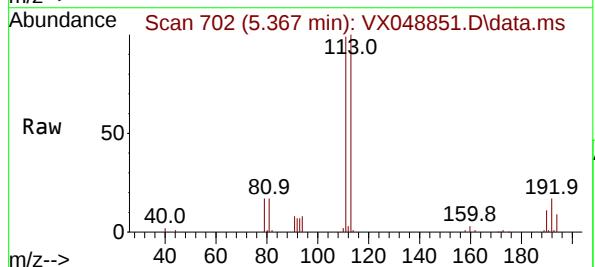
Tgt Ion:113 Resp: 82859

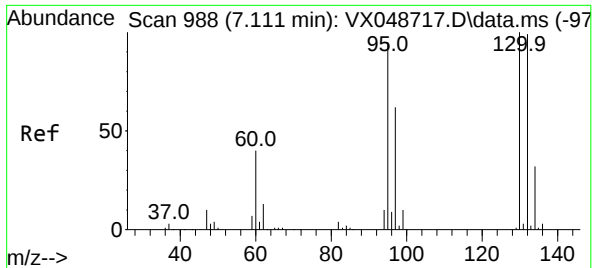
Ion Ratio Lower Upper

113 100

111 102.7 79.5 119.3

192 19.5 16.1 24.1





#44

Trichloroethene

Concen: 0.264 ug/l

RT: 7.111 min Scan# 988

Delta R.T. 0.000 min

Lab File: VX048851.D

Acq: 12 Dec 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

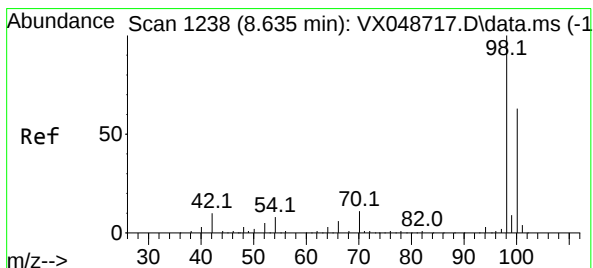
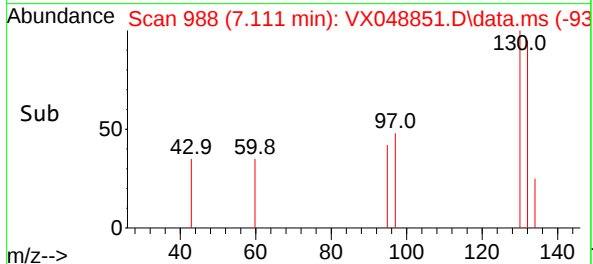
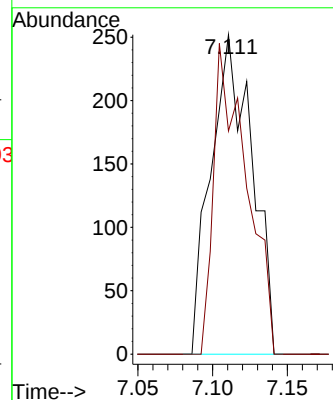
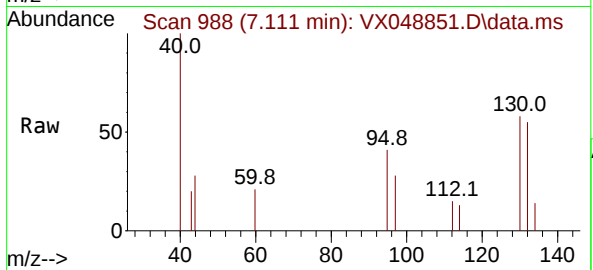
OWBR-06-219-120925

Tgt Ion:130 Resp: 480

Ion Ratio Lower Upper

130 100

95 69.8 0.0 189.6



#50

Toluene-d8

Concen: 47.078 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VX048851.D

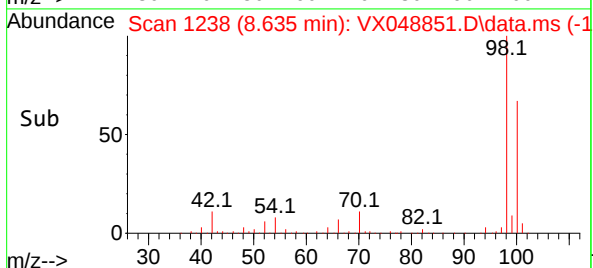
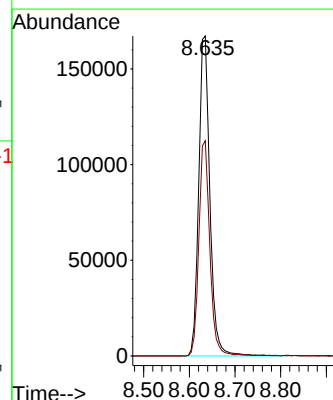
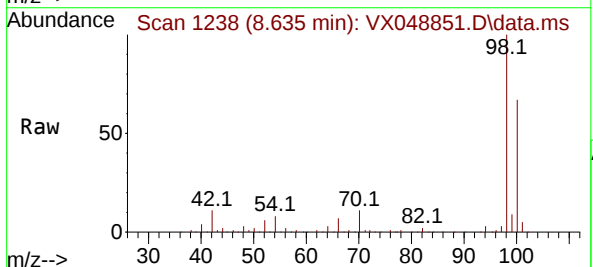
Acq: 12 Dec 2025 13:53

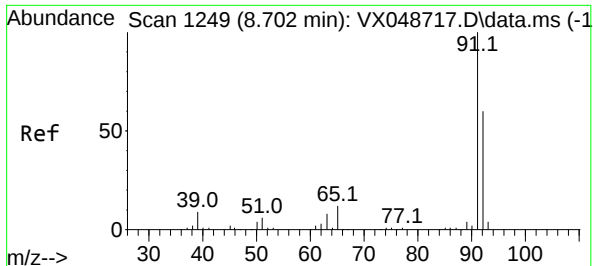
Tgt Ion: 98 Resp: 283444

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.0





#52

Toluene

Concen: 0.577 ug/l

RT: 8.702 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VX048851.D

Acq: 12 Dec 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

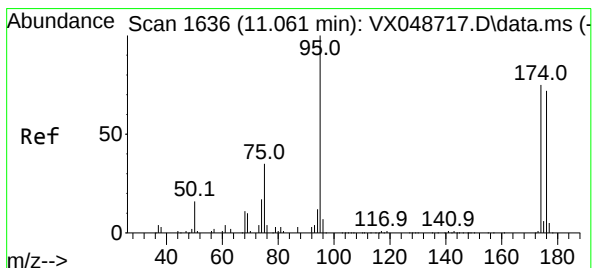
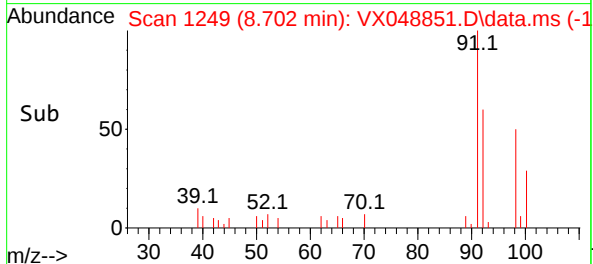
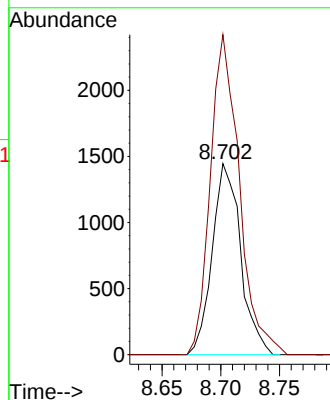
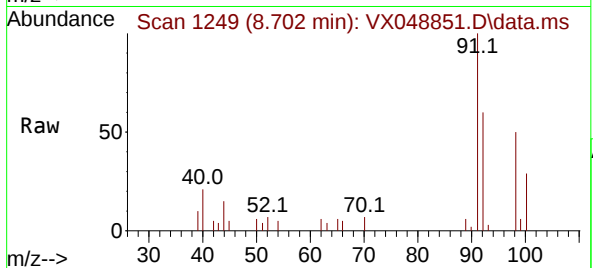
OWBR-06-219-120925

Tgt Ion: 92 Resp: 2428

Ion Ratio Lower Upper

92 100

91 170.9 136.3 204.5



#62

4-Bromofluorobenzene

Concen: 58.790 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048851.D

Acq: 12 Dec 2025 13:53

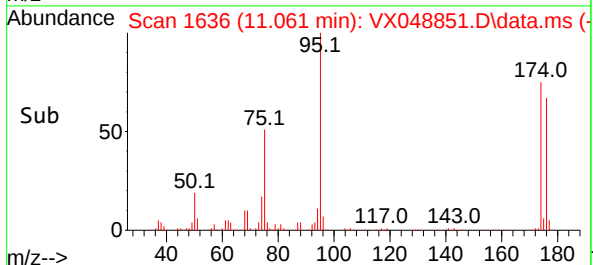
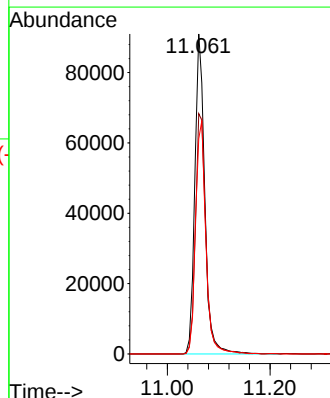
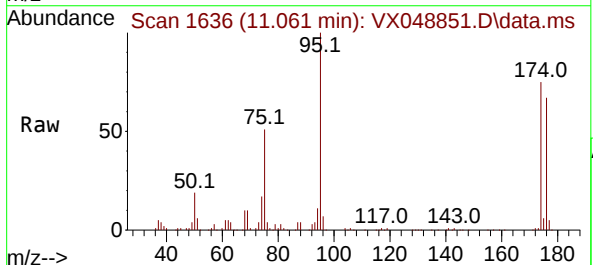
Tgt Ion: 95 Resp: 122055

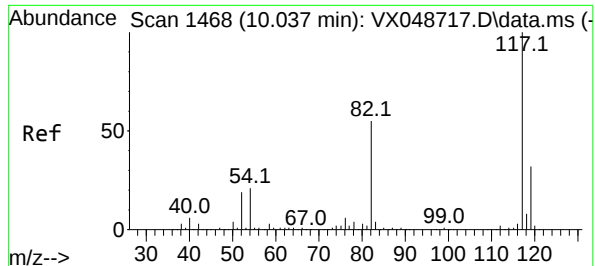
Ion Ratio Lower Upper

95 100

174 79.0 0.0 157.8

176 75.9 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048851.D

Acq: 12 Dec 2025 13:53

Instrument :

MSVOA_X

ClientSampleId :

OWBR-06-219-120925

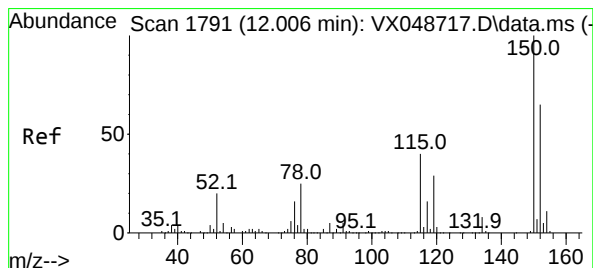
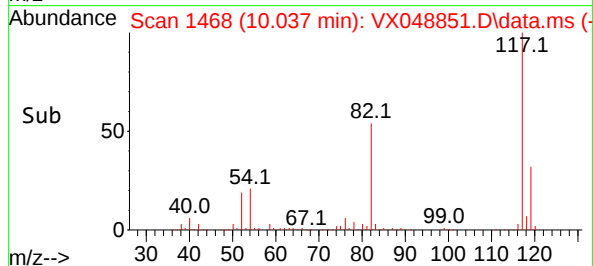
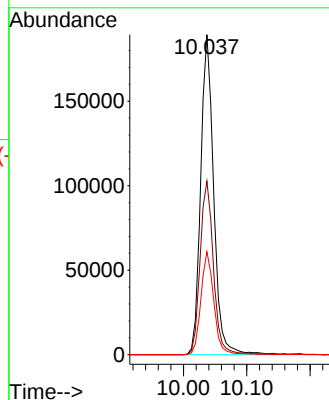
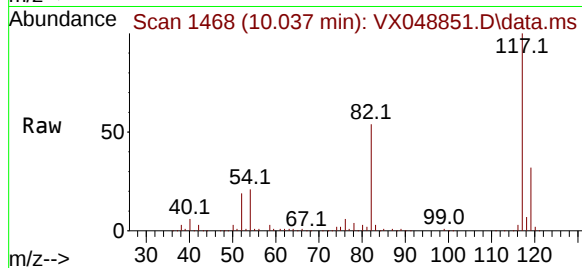
Tgt Ion:117 Resp: 271761

Ion Ratio Lower Upper

117 100

82 54.2 44.1 66.1

119 32.2 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048851.D

Acq: 12 Dec 2025 13:53

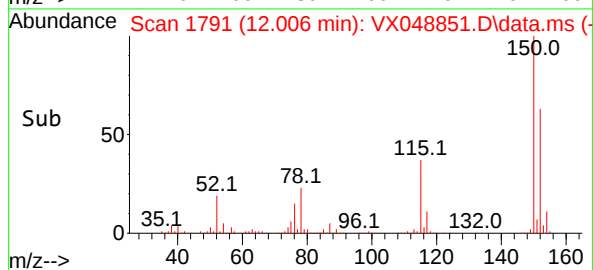
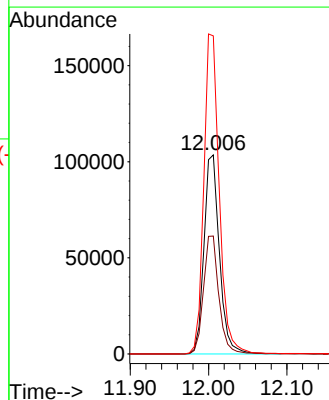
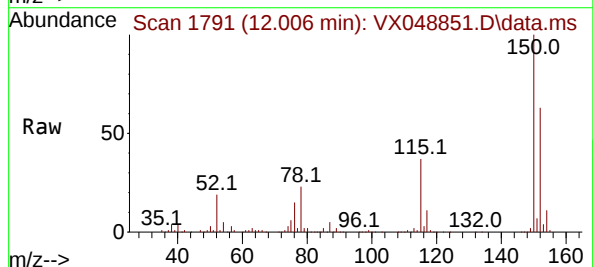
Tgt Ion:152 Resp: 141522

Ion Ratio Lower Upper

152 100

115 59.3 42.1 126.4

150 160.7 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
 Data File : VX048836.D
 Acq On : 11 Dec 2025 18:44
 Operator : JC/MD
 Sample : Q3828-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-03B-90-120925

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 11 23:55:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	172815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	291968	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	260001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125510	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	123876	53.406	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.820%	
35) Dibromofluoromethane	5.379	113	94752	47.133	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.260%	
50) Toluene-d8	8.634	98	340129	48.267	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.540%	
62) 4-Bromofluorobenzene	11.061	95	118676	48.839	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.680%	

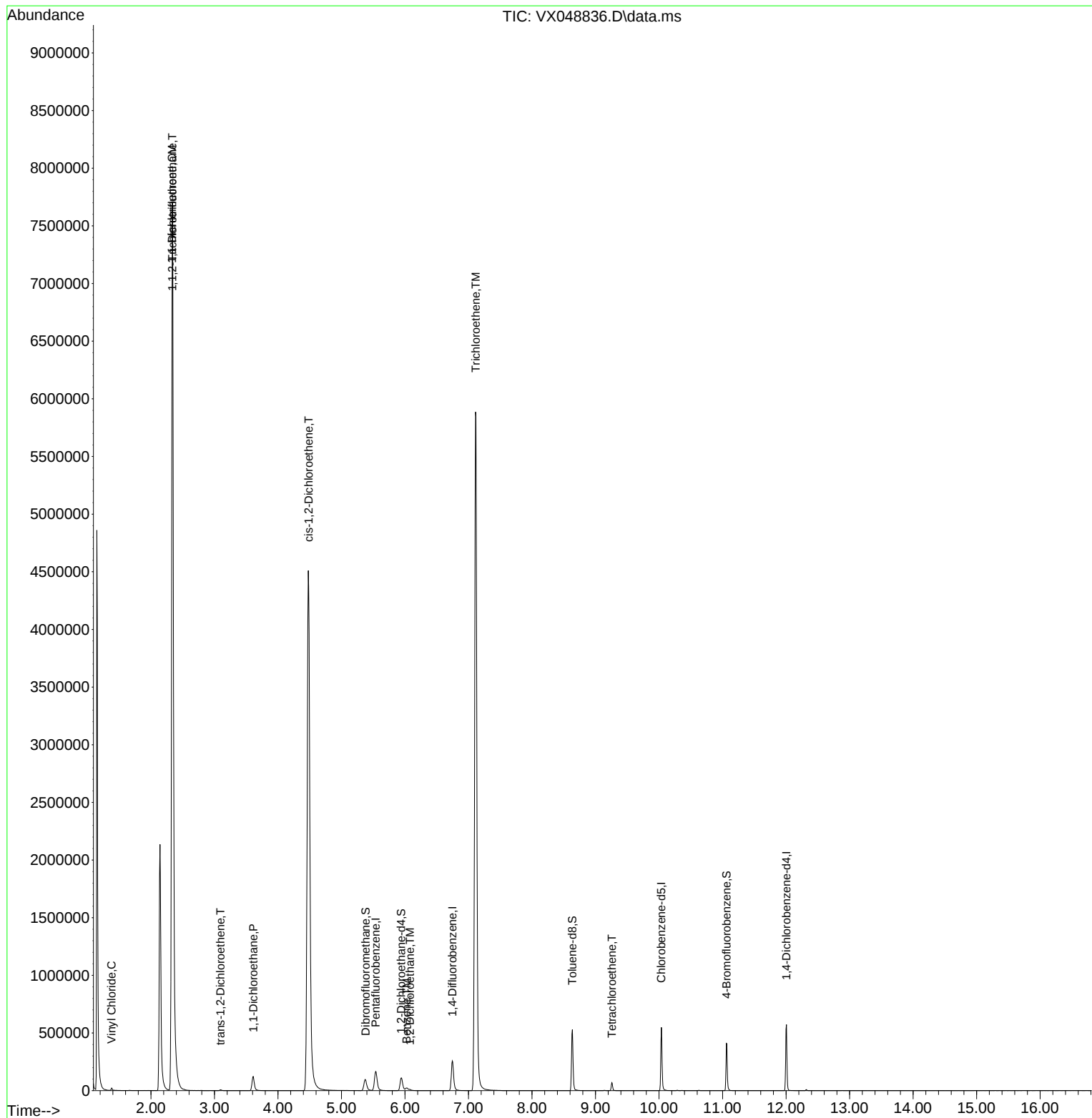
Target Compounds						Qvalue
4) Vinyl Chloride	1.380	62	14515	6.134	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	3543073	1802.023	ug/l	98
12) 1,1-Dichloroethene	2.331	96	21657	10.792	ug/l #	76
21) trans-1,2-Dichloroethene	3.093	96	3411	1.665	ug/l	96
24) 1,1-Dichloroethane	3.611	63	157265	44.788	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	3224871	1395.335	ug/l	95
40) Benzene	6.025	78	26446	3.240	ug/l	100
42) 1,2-Dichloroethane	6.080	62	8717	3.017	ug/l	100
44) Trichloroethene	7.116	130	2557014	1200.604	ug/l	94
64) Tetrachloroethene	9.256	164	14381	7.588	ug/l	96

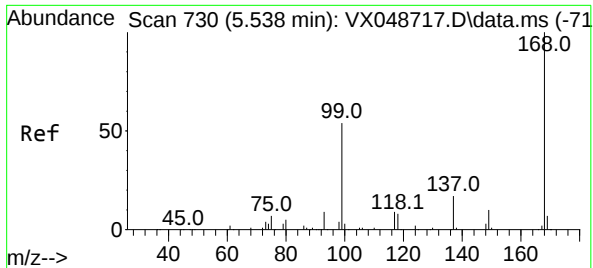
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
Data File : VX048836.D
Acq On : 11 Dec 2025 18:44
Operator : JC/MD
Sample : Q3828-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925

Quant Time: Dec 11 23:55:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

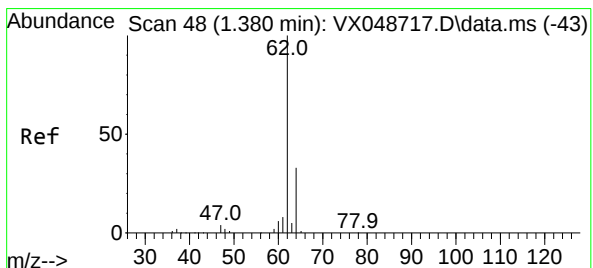
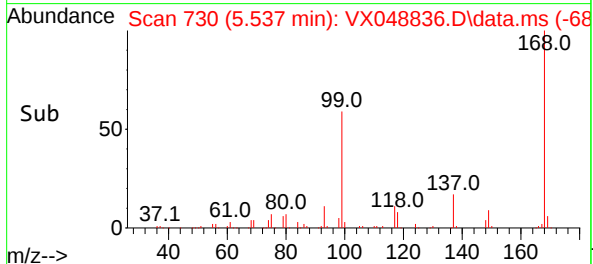
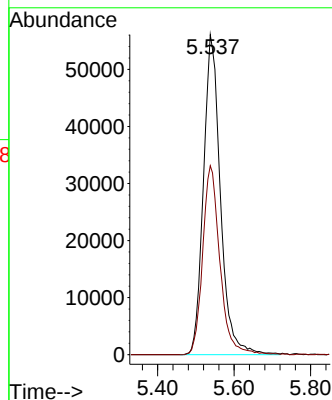
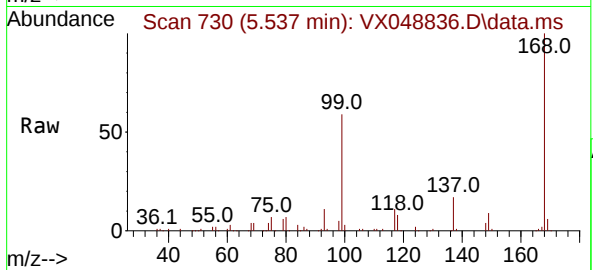




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

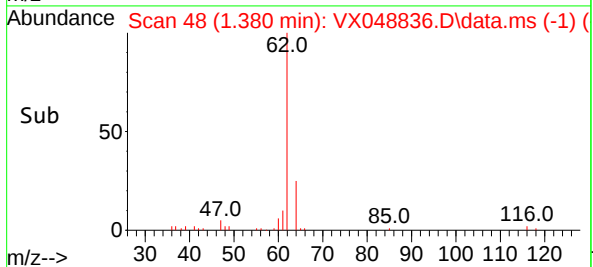
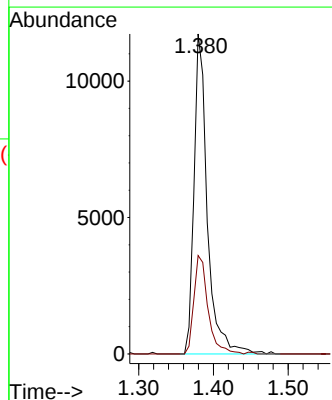
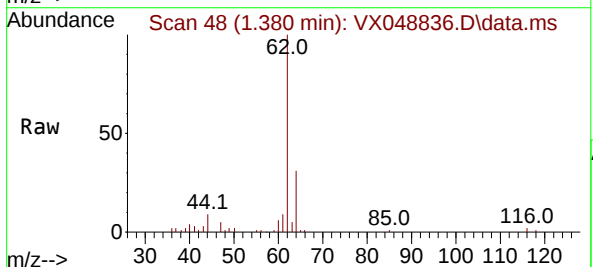
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925

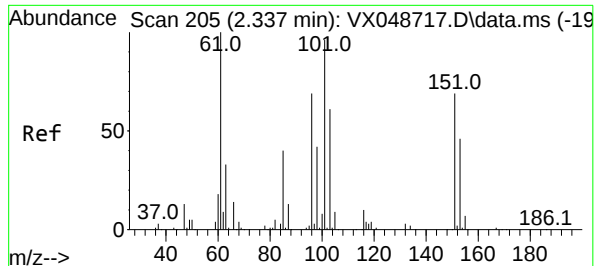
Tgt Ion:168 Resp: 172815
Ion Ratio Lower Upper
168 100
99 59.0 44.2 66.4



#4
Vinyl Chloride
Concen: 6.134 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

Tgt Ion: 62 Resp: 14515
Ion Ratio Lower Upper
62 100
64 30.8 26.0 39.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1802.023 ug/l

RT: 2.337 min Scan# 205

Delta R.T. -0.000 min

Lab File: VX048836.D

Acq: 11 Dec 2025 18:44

Instrument :

MSVOA_X

ClientSampleId :

RMW-03B-90-120925

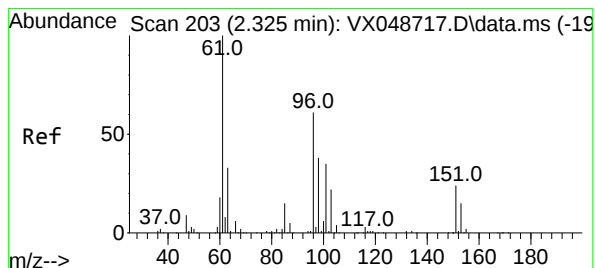
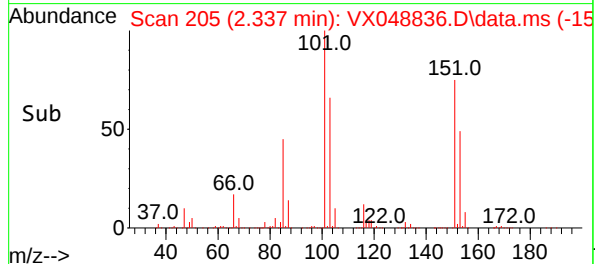
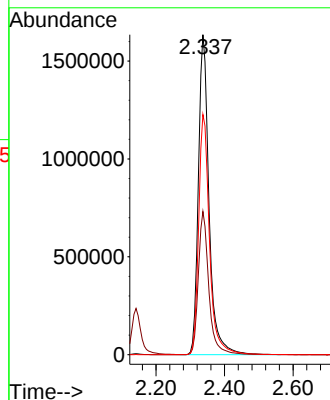
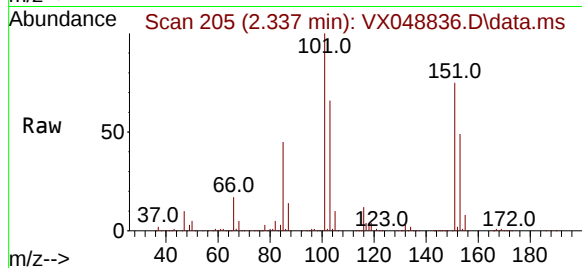
Tgt Ion:101 Resp: 3543073

Ion Ratio Lower Upper

101 100

85 44.2 34.2 51.2

151 76.7 60.2 90.4



#12

1,1-Dichloroethene

Concen: 10.792 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.006 min

Lab File: VX048836.D

Acq: 11 Dec 2025 18:44

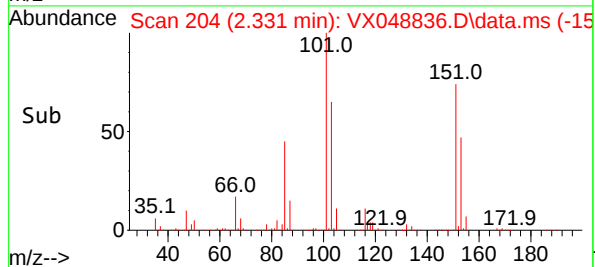
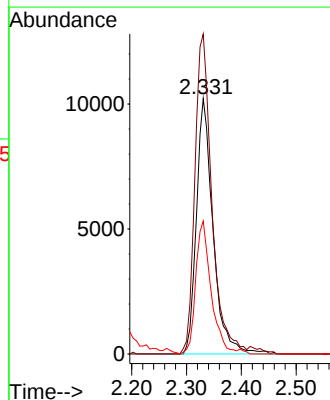
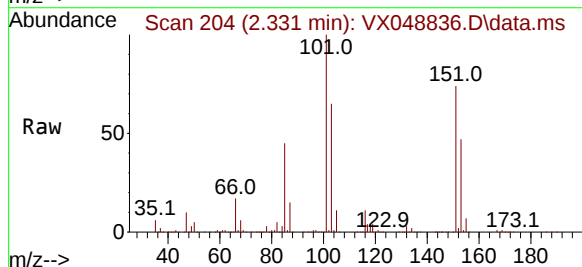
Tgt Ion: 96 Resp: 21657

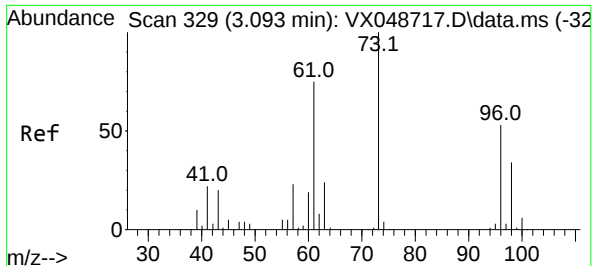
Ion Ratio Lower Upper

96 100

61 125.3 130.7 196.1#

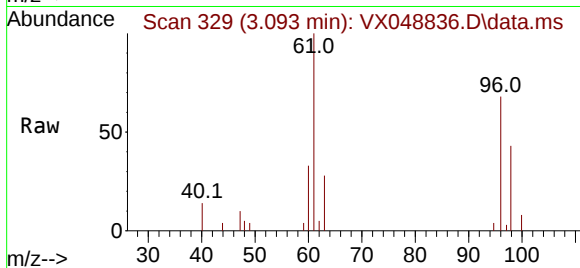
98 52.1 49.8 74.8



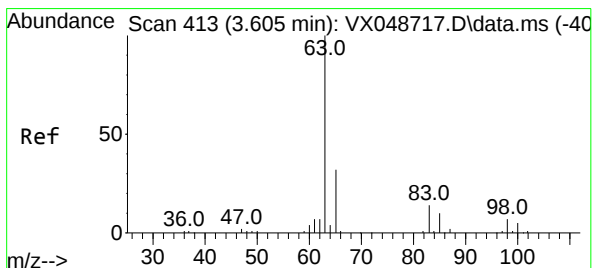
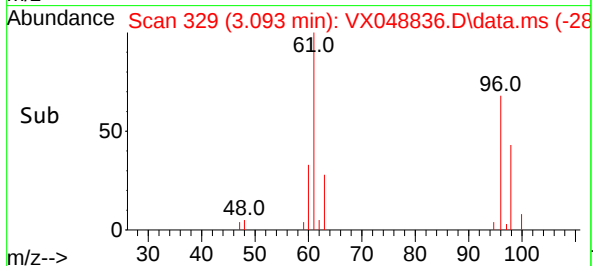
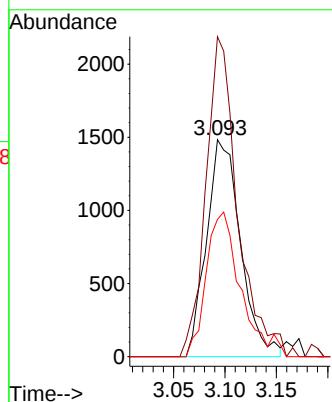


#21
trans-1,2-Dichloroethene
Concen: 1.665 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925

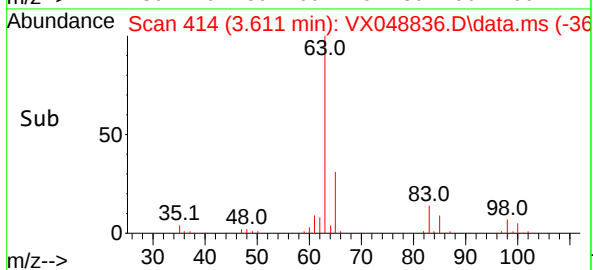
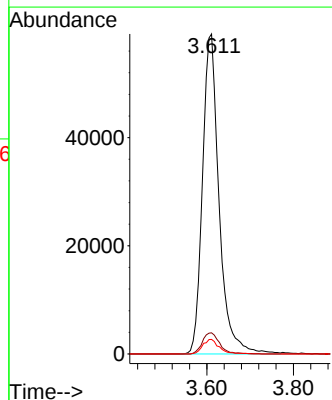
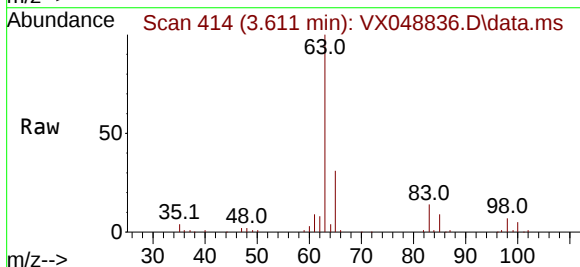


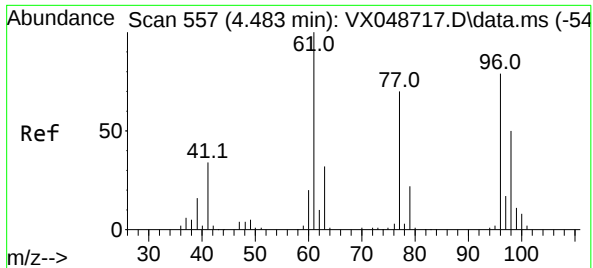
Tgt Ion: 96 Resp: 3411
Ion Ratio Lower Upper
96 100
61 147.5 112.8 169.2
98 63.3 51.0 76.4



#24
1,1-Dichloroethane
Concen: 44.788 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

Tgt Ion: 63 Resp: 157265
Ion Ratio Lower Upper
63 100
98 6.6 3.5 10.6
100 4.6 2.5 7.4





#27

cis-1,2-Dichloroethene

Concen: 1395.335 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX048836.D

Acq: 11 Dec 2025 18:44

Instrument :

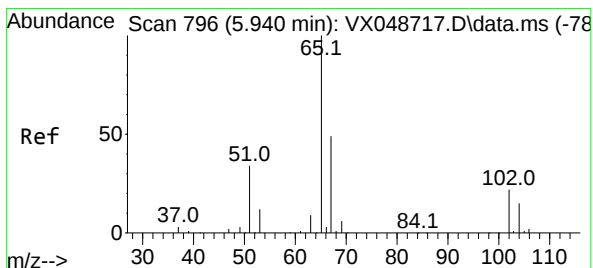
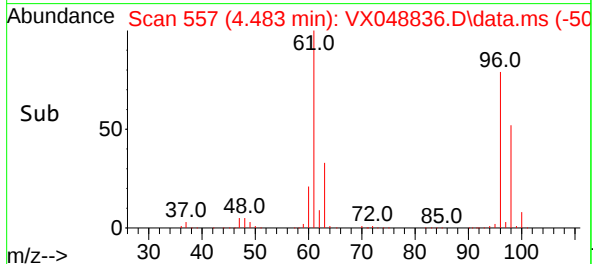
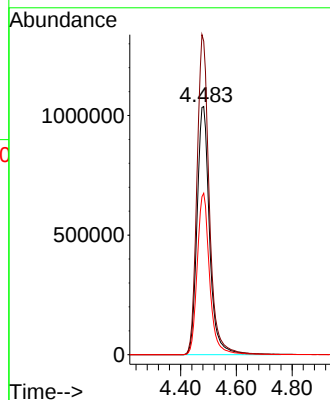
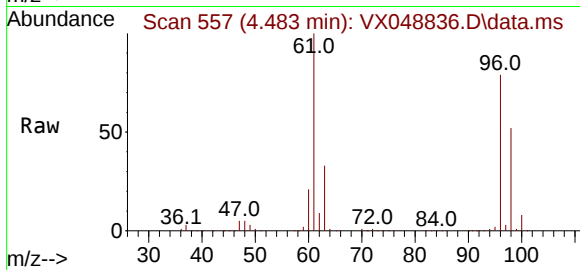
MSVOA_X

ClientSampleId :

RMW-03B-90-120925

Tgt Ion: 96 Resp: 3224871

Ion	Ratio	Lower	Upper
96	100		
61	126.7	0.0	271.0
98	64.5	0.0	130.2



#33

1,2-Dichloroethane-d4

Concen: 53.406 ug/l

RT: 5.940 min Scan# 796

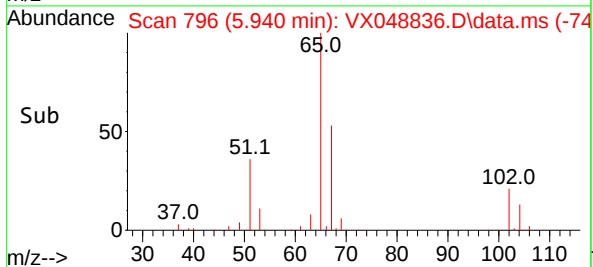
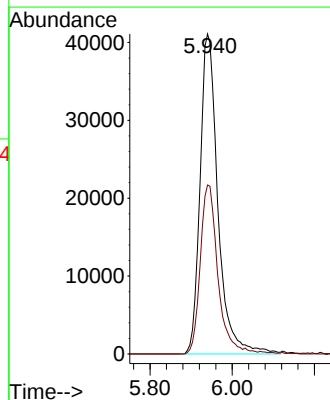
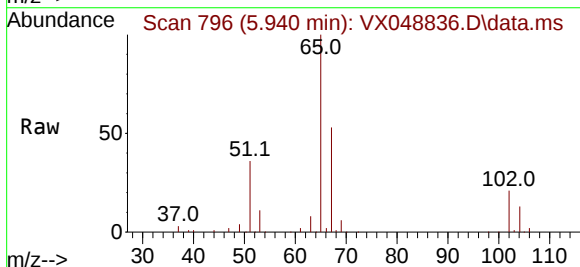
Delta R.T. -0.000 min

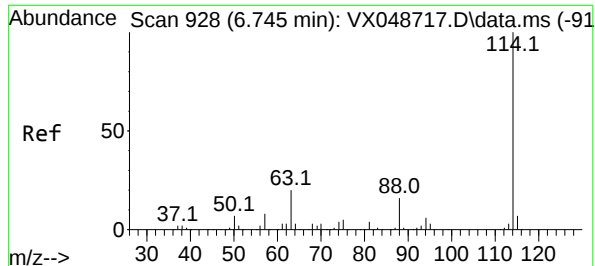
Lab File: VX048836.D

Acq: 11 Dec 2025 18:44

Tgt Ion: 65 Resp: 123876

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.744 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048836.D

Acq: 11 Dec 2025 18:44

Instrument :

MSVOA_X

ClientSampleId :

RMW-03B-90-120925

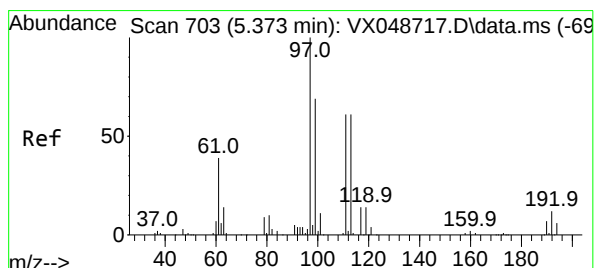
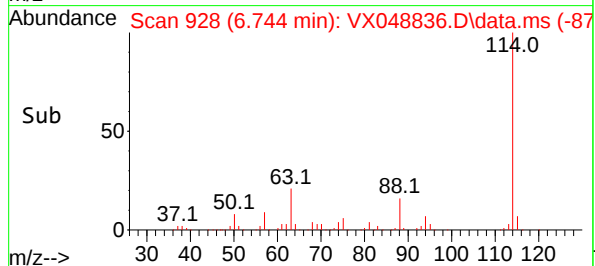
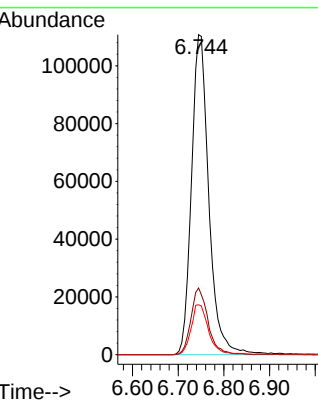
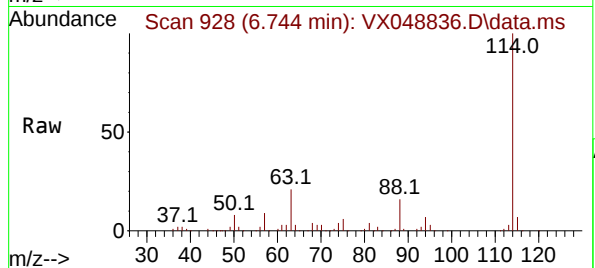
Tgt Ion:114 Resp: 291968

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.133 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX048836.D

Acq: 11 Dec 2025 18:44

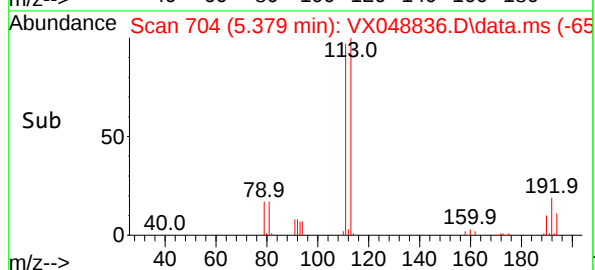
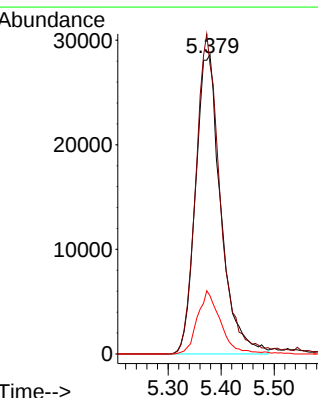
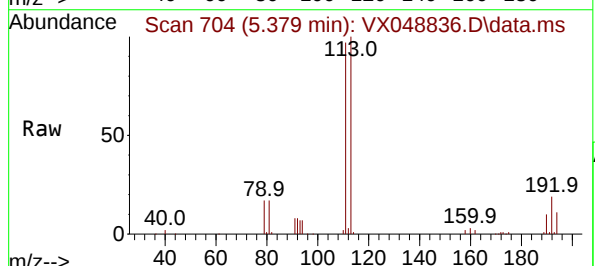
Tgt Ion:113 Resp: 94752

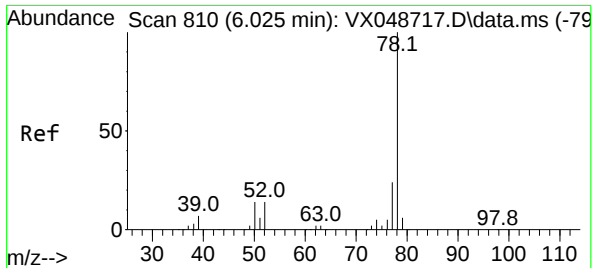
Ion Ratio Lower Upper

113 100

111 103.9 79.5 119.3

192 19.4 16.1 24.1





#40

Benzene

Concen: 3.240 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX048836.D

Acq: 11 Dec 2025 18:44

Instrument :

MSVOA_X

ClientSampleId :

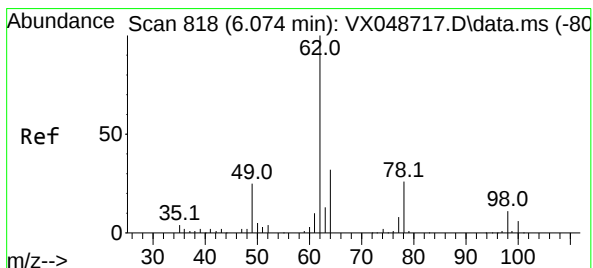
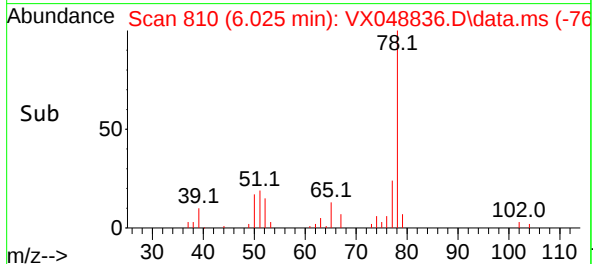
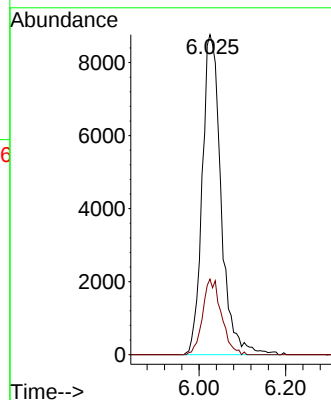
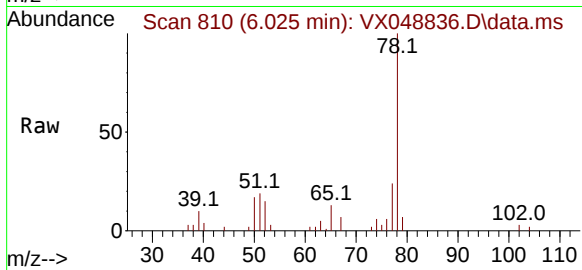
RMW-03B-90-120925

Tgt Ion: 78 Resp: 26446

Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2



#42

1,2-Dichloroethane

Concen: 3.017 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.006 min

Lab File: VX048836.D

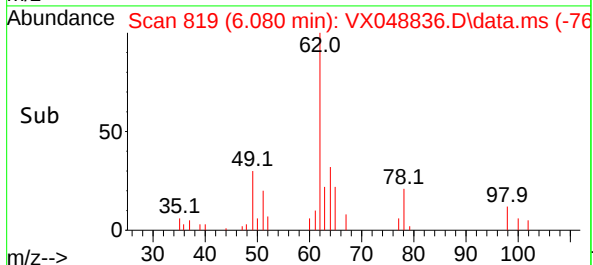
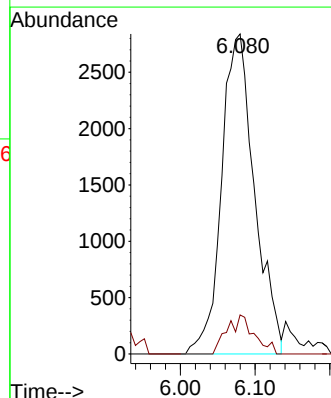
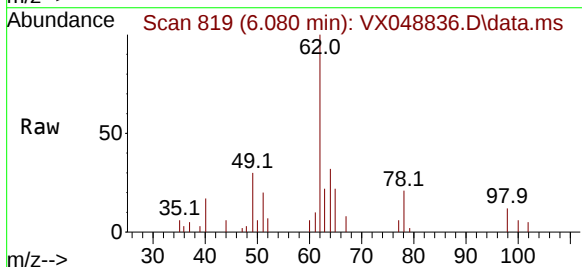
Acq: 11 Dec 2025 18:44

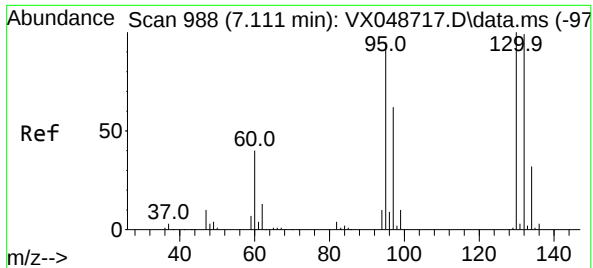
Tgt Ion: 62 Resp: 8717

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.2

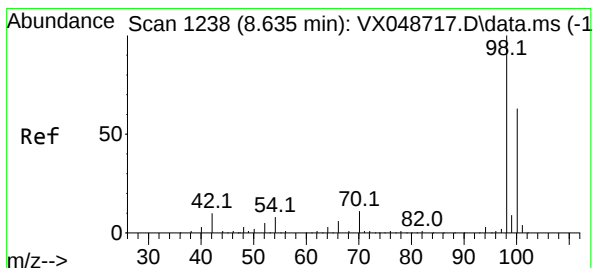
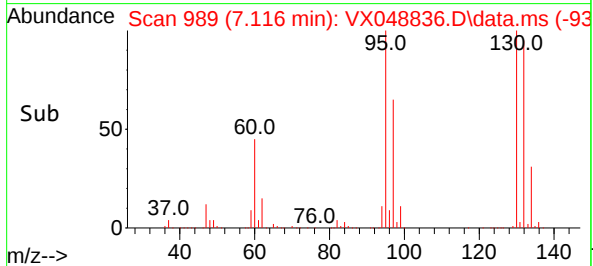
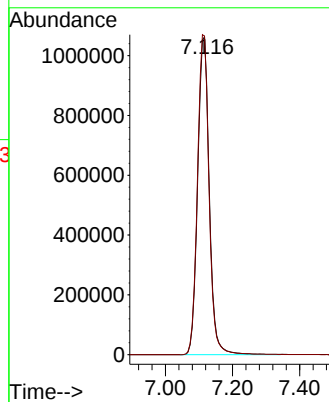
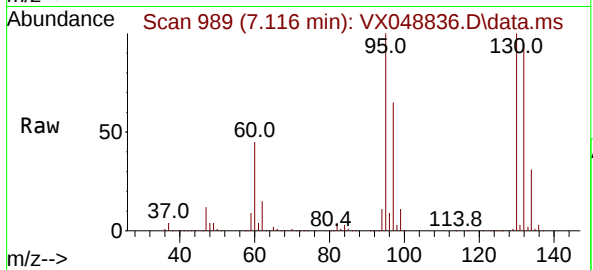




#44
Trichloroethene
Concen: 1200.604 ug/l
RT: 7.116 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

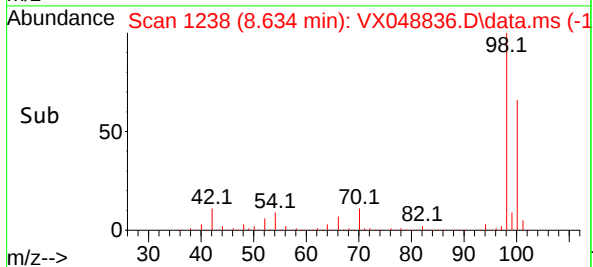
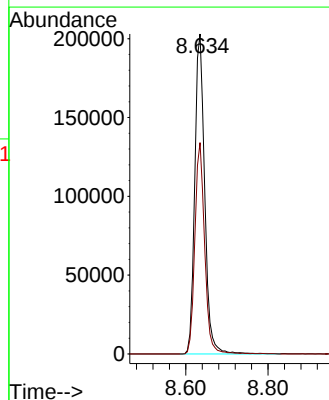
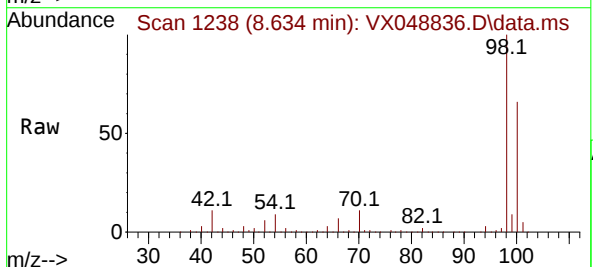
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925

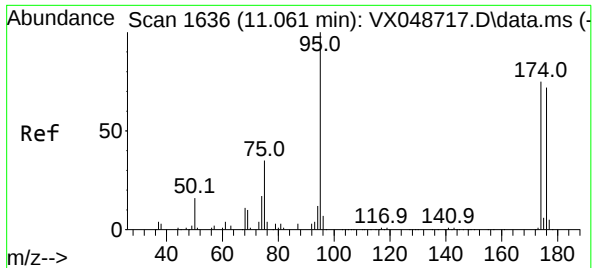
Tgt Ion:130 Resp: 2557014
Ion Ratio Lower Upper
130 100
95 100.2 0.0 189.6



#50
Toluene-d8
Concen: 48.267 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

Tgt Ion: 98 Resp: 340129
Ion Ratio Lower Upper
98 100
100 65.2 53.4 80.0

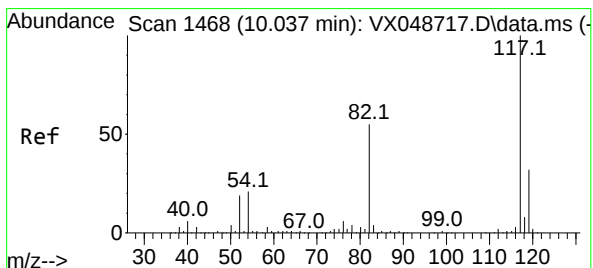
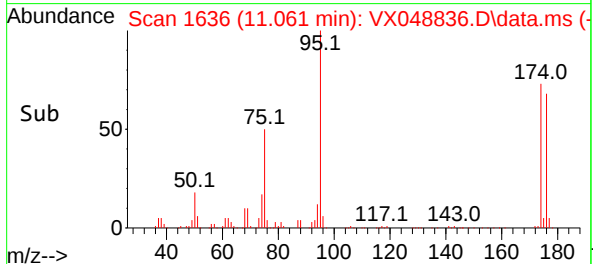
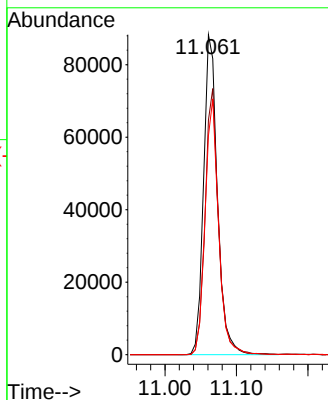
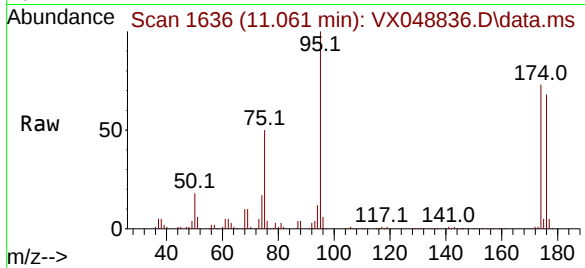




#62
4-Bromofluorobenzene
Concen: 48.839 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

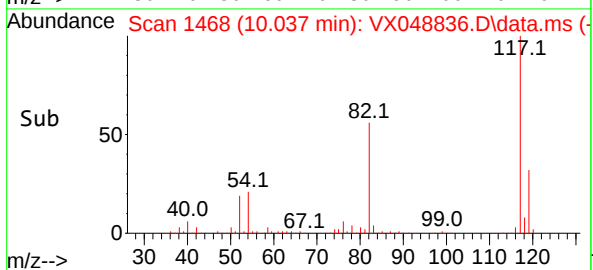
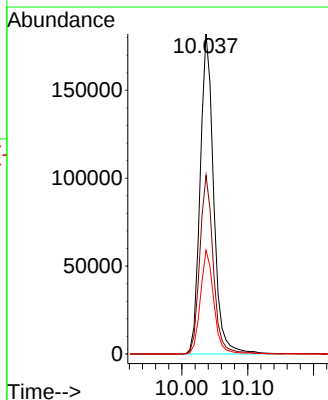
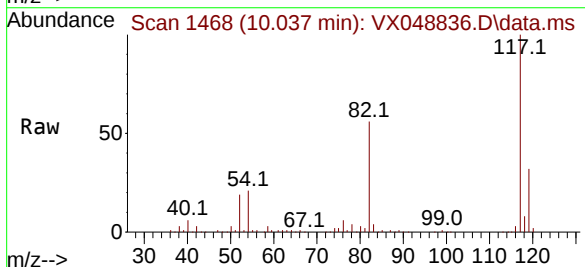
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925

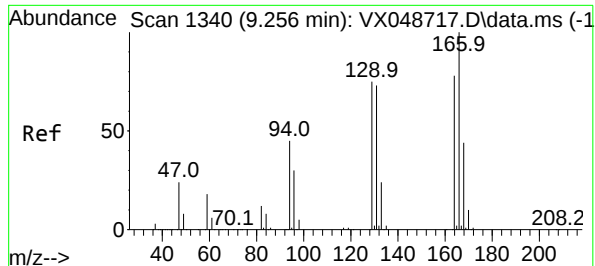
Tgt Ion: 95 Resp: 118676
Ion Ratio Lower Upper
95 100
174 81.2 0.0 157.8
176 78.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

Tgt Ion: 117 Resp: 260001
Ion Ratio Lower Upper
117 100
82 55.8 44.1 66.1
119 32.4 25.2 37.8





#64

Tetrachloroethene

Concen: 7.588 ug/l

RT: 9.256 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048836.D

Acq: 11 Dec 2025 18:44

Instrument :

MSVOA_X

ClientSampleId :

RMW-03B-90-120925

Tgt Ion:164 Resp: 14381

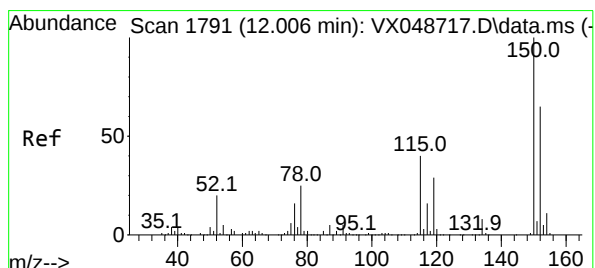
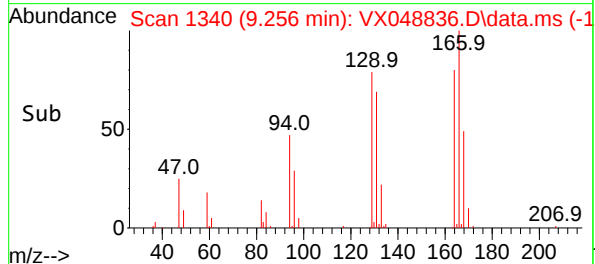
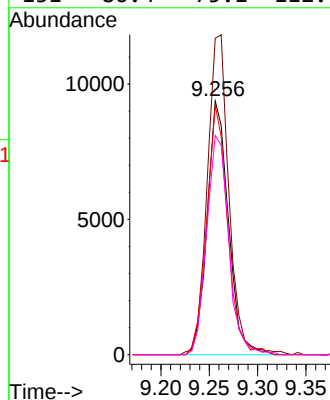
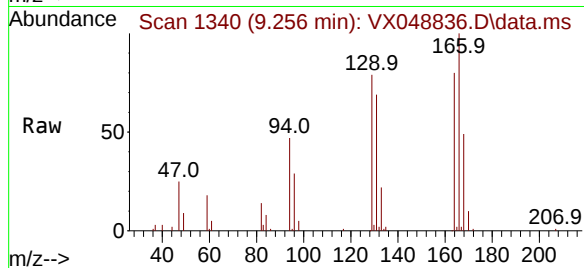
Ion Ratio Lower Upper

164 100

166 124.7 103.1 154.7

129 98.4 76.9 115.3

131 86.4 75.1 112.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048836.D

Acq: 11 Dec 2025 18:44

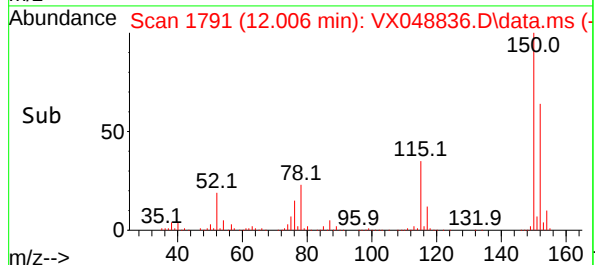
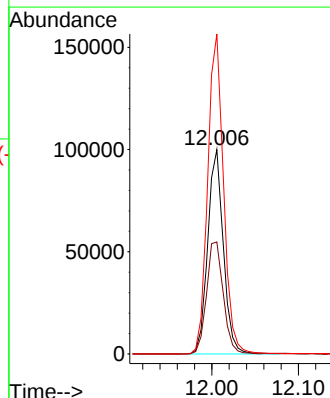
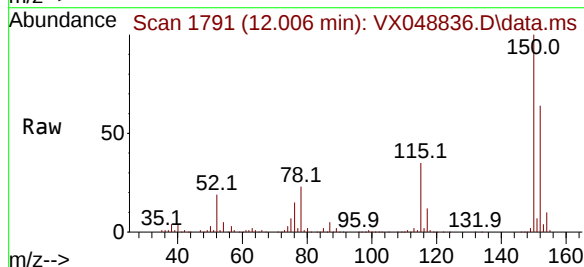
Tgt Ion:152 Resp: 125510

Ion Ratio Lower Upper

152 100

115 58.8 42.1 126.4

150 158.7 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048847.D
 Acq On : 12 Dec 2025 12:26
 Operator : JC/MD
 Sample : Q3828-05DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-03B-90-120925DL

Quant Time: Dec 12 22:11:32 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)

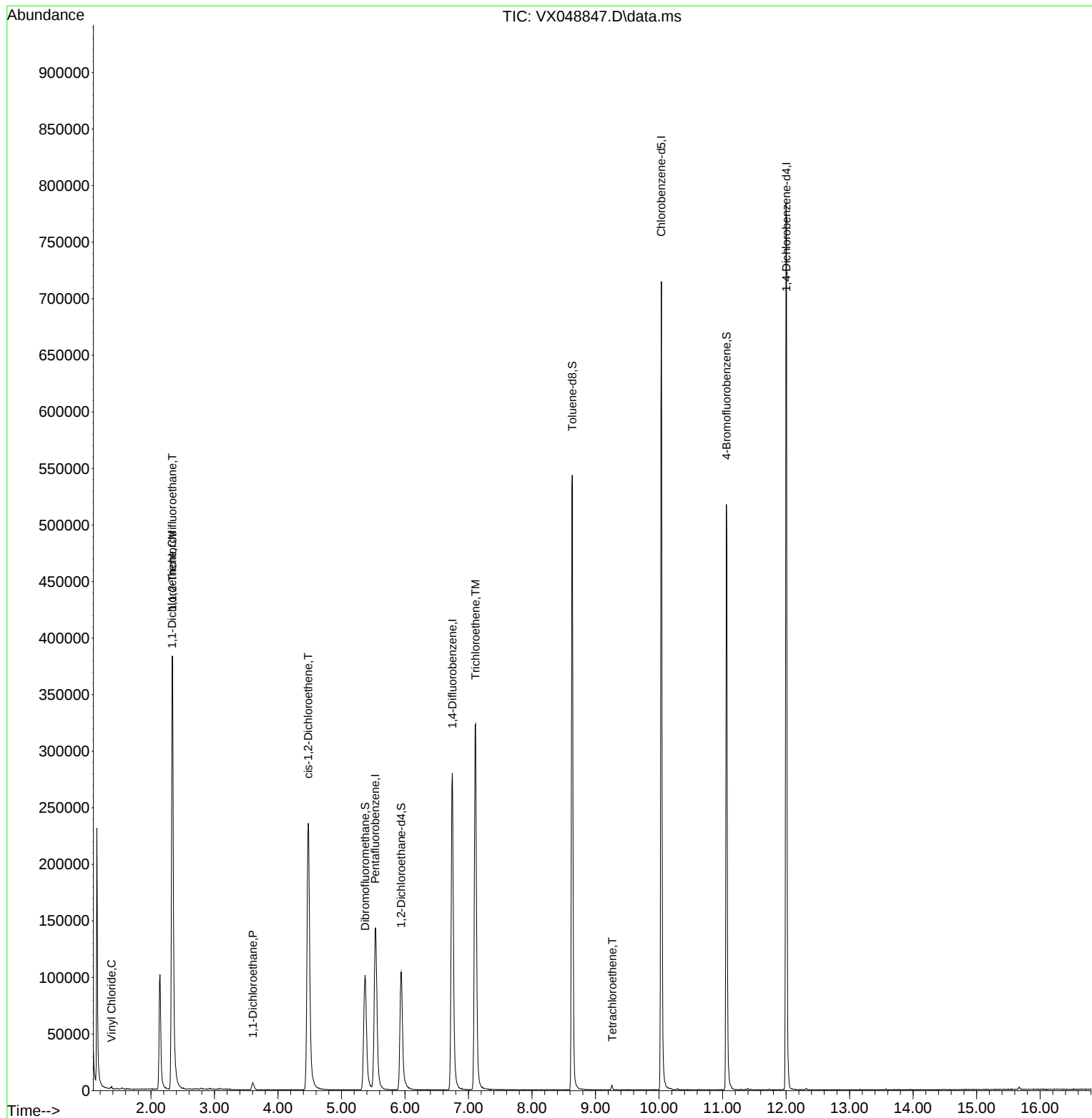
Internal Standards						
1) Pentafluorobenzene	5.531	168	149273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	310587	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	339410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	178609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	116556	58.176	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 116.360%		
35) Dibromofluoromethane	5.373	113	101503	47.464	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 94.920%		
50) Toluene-d8	8.635	98	344261	45.925	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 91.860%#		
62) 4-Bromofluorobenzene	11.061	95	150309	58.149	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 116.300%		
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.380	62	876	0.429	ug/l #	88
9) 1,1,2-Trichlorotrifluo...	2.337	101	176276	103.794	ug/l	98
12) 1,1-Dichloroethene	2.331	96	1043	0.602	ug/l	84
24) 1,1-Dichloroethane	3.605	63	8309	2.740	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	170392	85.352	ug/l	94
44) Trichloroethene	7.110	130	139882	61.742	ug/l	96
64) Tetrachloroethene	9.263	164	705	0.285	ug/l #	87

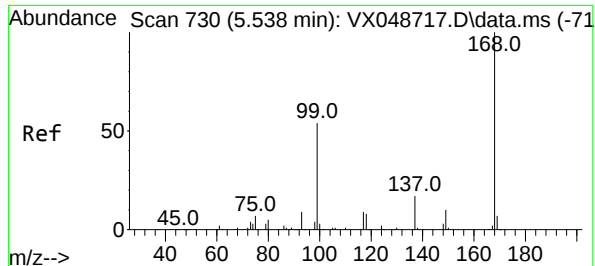
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
Data File : VX048847.D
Acq On : 12 Dec 2025 12:26
Operator : JC/MD
Sample : Q3828-05DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL

Quant Time: Dec 12 22:11:32 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

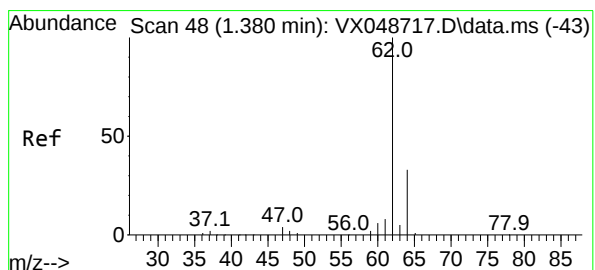
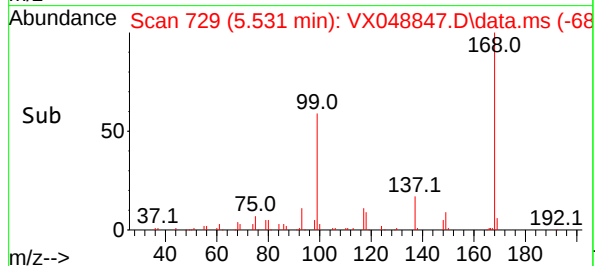
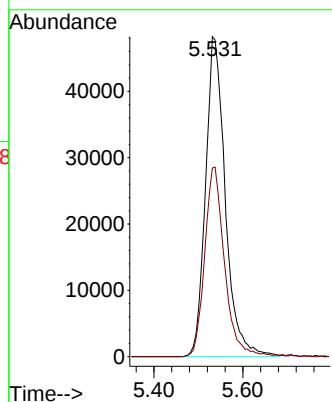
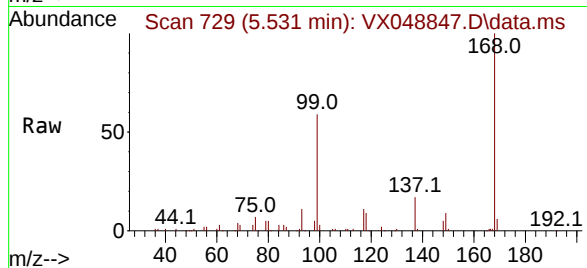




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

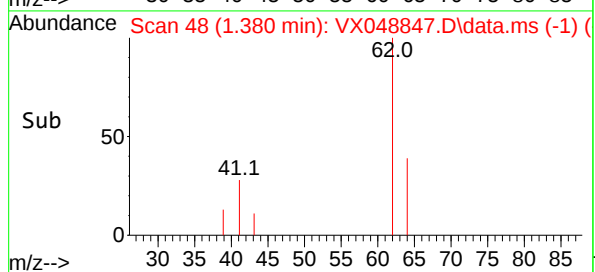
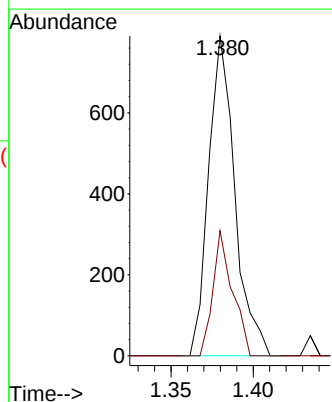
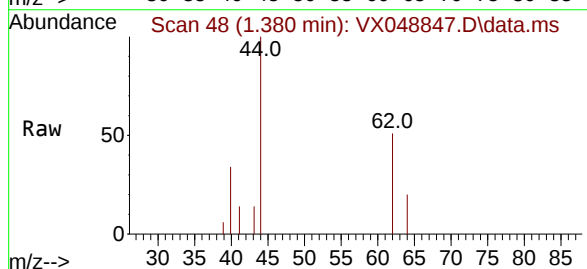
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL

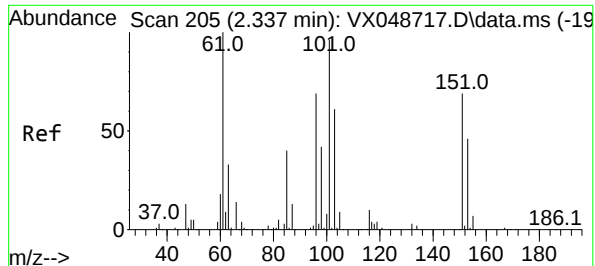
Tgt Ion:168 Resp: 149273
Ion Ratio Lower Upper
168 100
99 59.0 44.2 66.4



#4
Vinyl Chloride
Concen: 0.429 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Tgt Ion: 62 Resp: 876
Ion Ratio Lower Upper
62 100
64 39.1 26.0 39.0#

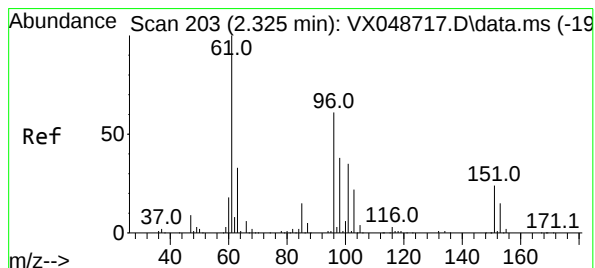
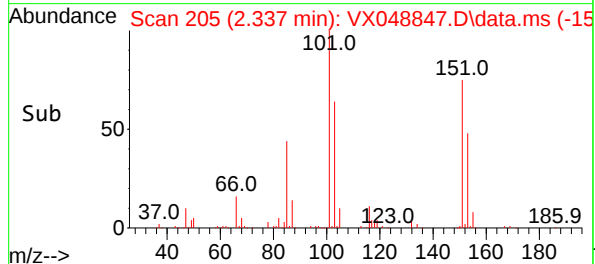
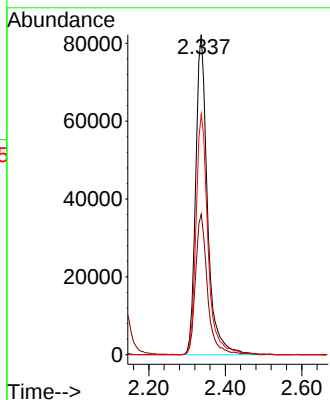
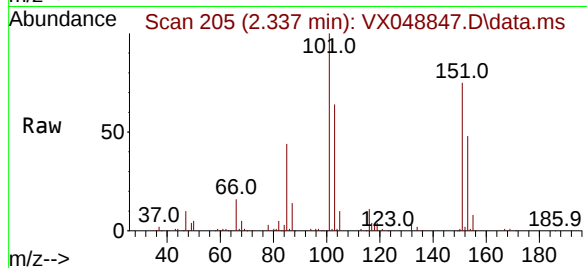




#9
1,1,2-Trichlorotrifluoroethane
Concen: 103.794 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

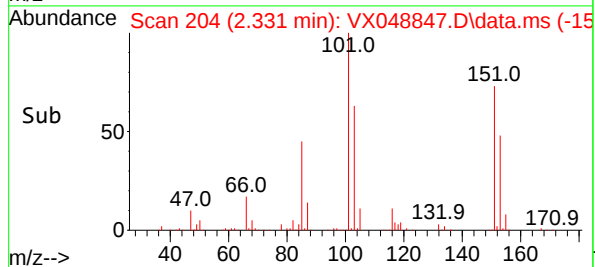
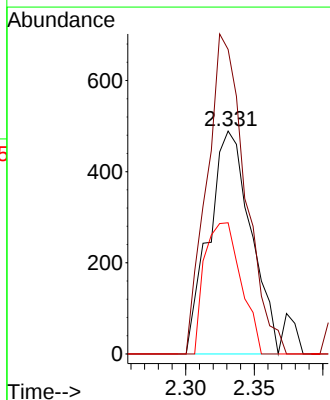
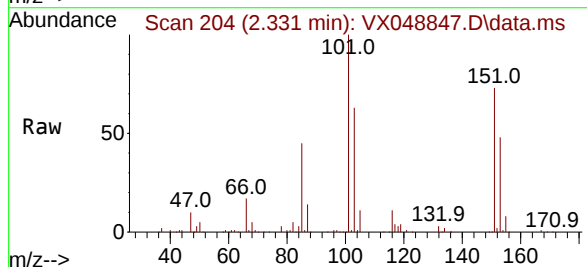
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL

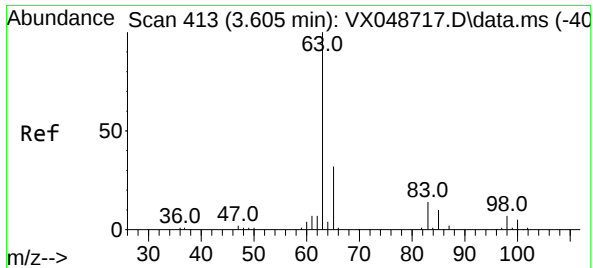
Tgt Ion:101 Resp: 176276
Ion Ratio Lower Upper
101 100
85 44.3 34.2 51.2
151 76.3 60.2 90.4



#12
1,1-Dichloroethene
Concen: 0.602 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Tgt Ion: 96 Resp: 1043
Ion Ratio Lower Upper
96 100
61 136.6 130.7 196.1
98 58.9 49.8 74.8

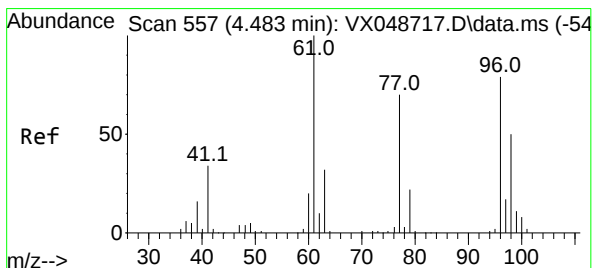
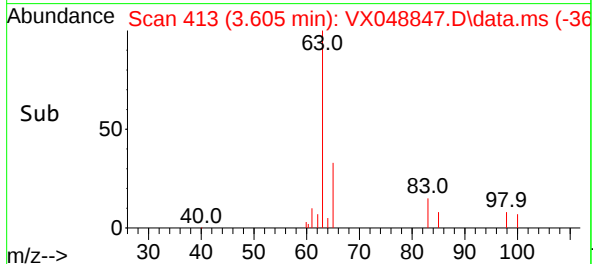
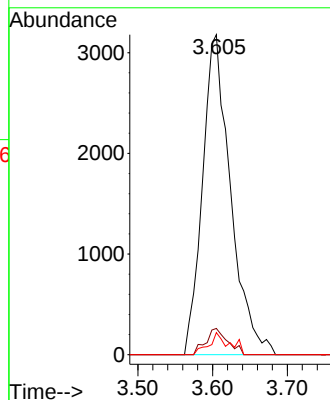
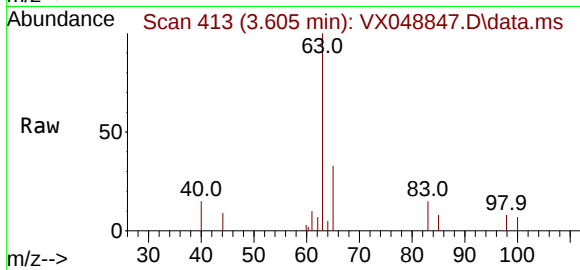




#24
1,1-Dichloroethane
Concen: 2.740 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

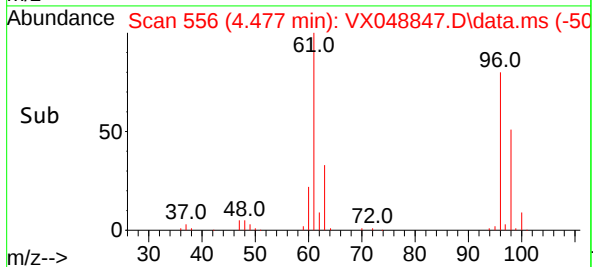
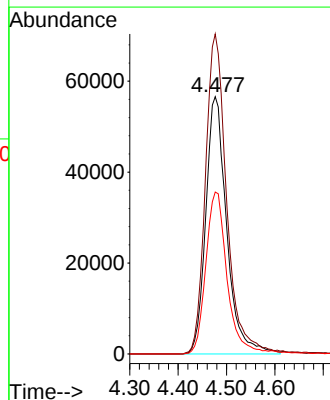
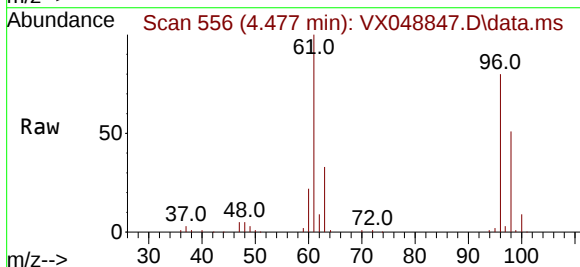
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL

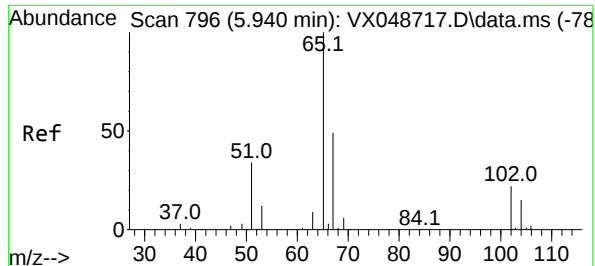
Tgt Ion:	63	Resp:	8309
Ion Ratio	Lower	Upper	
63	100		
98	8.2	3.5	10.6
100	6.9	2.5	7.4



#27
cis-1,2-Dichloroethene
Concen: 85.352 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Tgt Ion:	96	Resp:	170392
Ion Ratio	Lower	Upper	
96	100		
61	126.1	0.0	271.0
98	64.5	0.0	130.2





#33

1,2-Dichloroethane-d4

Concen: 58.176 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048847.D

Acq: 12 Dec 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

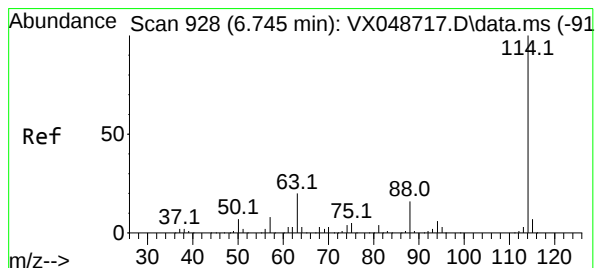
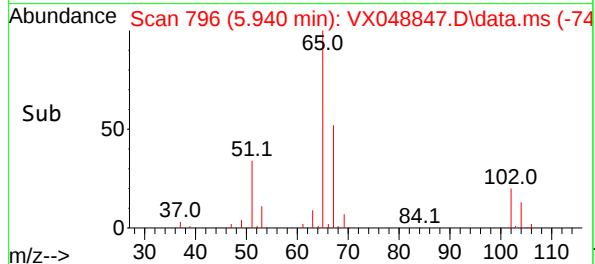
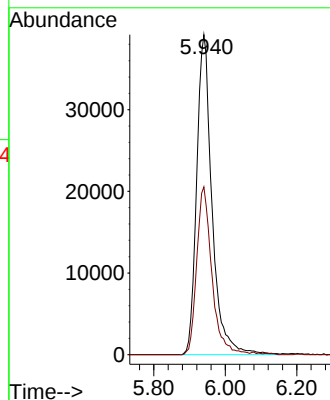
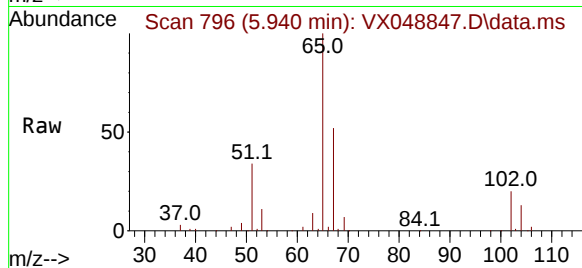
RMW-03B-90-120925DL

Tgt Ion: 65 Resp: 116556

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048847.D

Acq: 12 Dec 2025 12:26

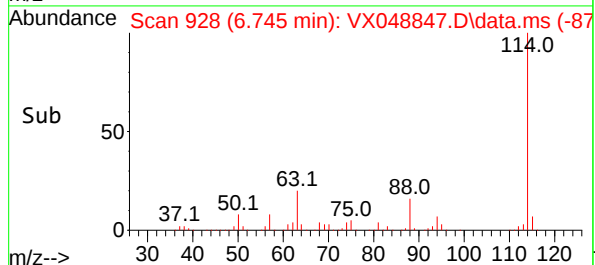
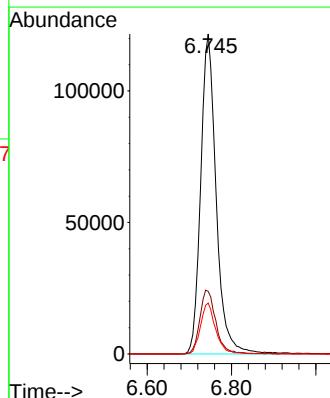
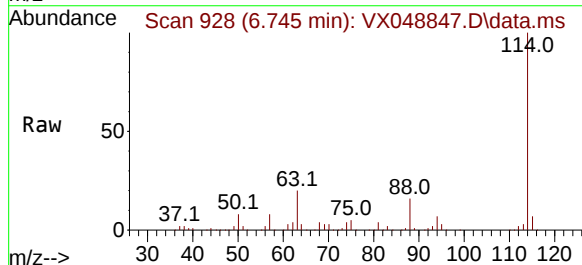
Tgt Ion: 114 Resp: 310587

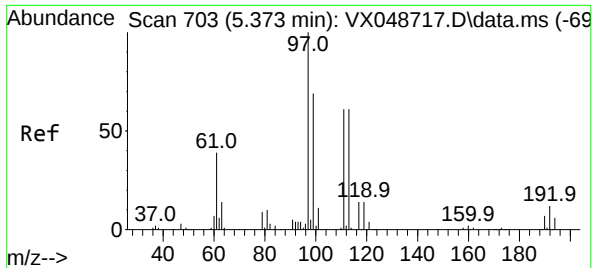
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.464 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048847.D

Acq: 12 Dec 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

RMW-03B-90-120925DL

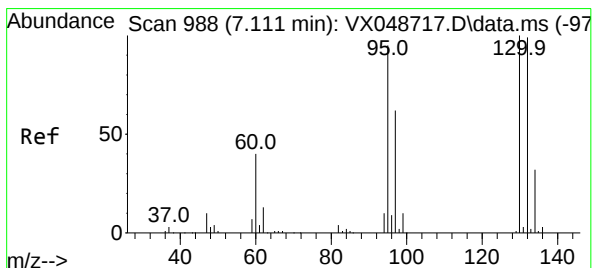
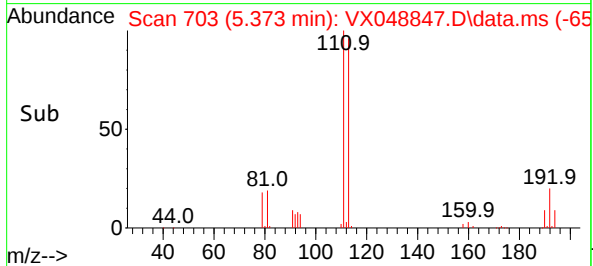
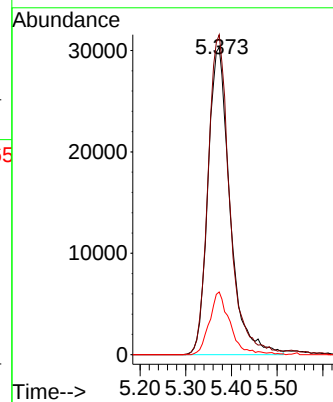
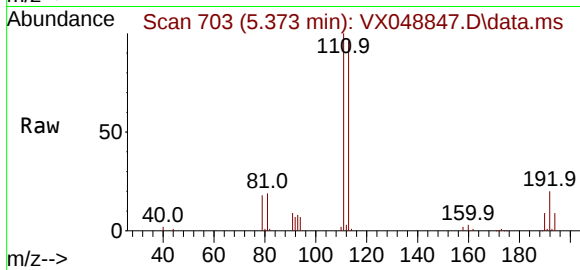
Tgt Ion:113 Resp: 101503

Ion Ratio Lower Upper

113 100

111 102.3 79.5 119.3

192 19.3 16.1 24.1



#44

Trichloroethene

Concen: 61.742 ug/l

RT: 7.110 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX048847.D

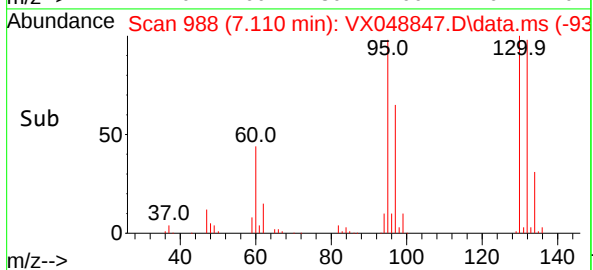
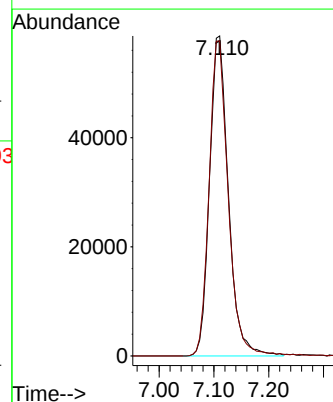
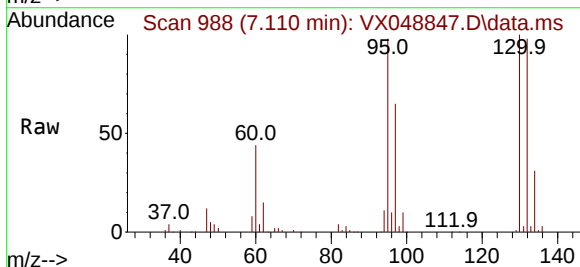
Acq: 12 Dec 2025 12:26

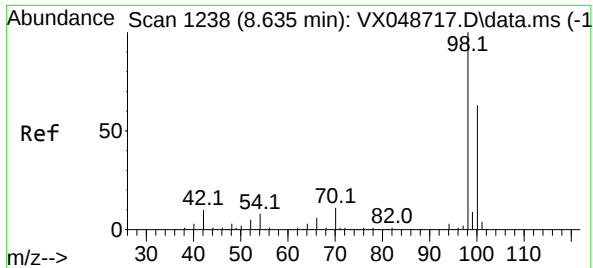
Tgt Ion:130 Resp: 139882

Ion Ratio Lower Upper

130 100

95 98.4 0.0 189.6

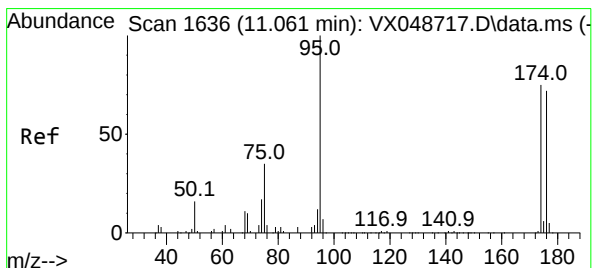
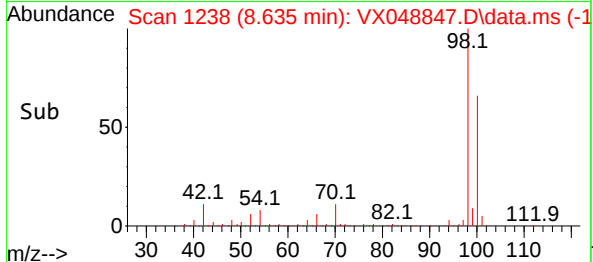
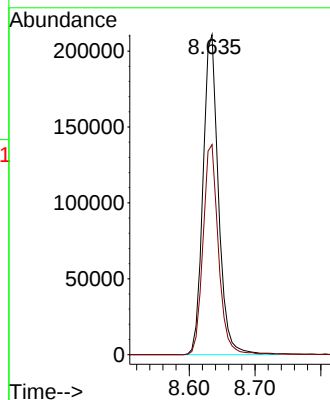
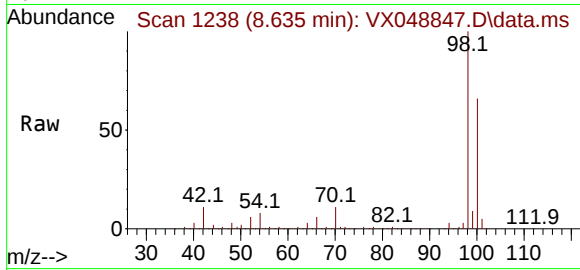




#50
Toluene-d8
Concen: 45.925 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

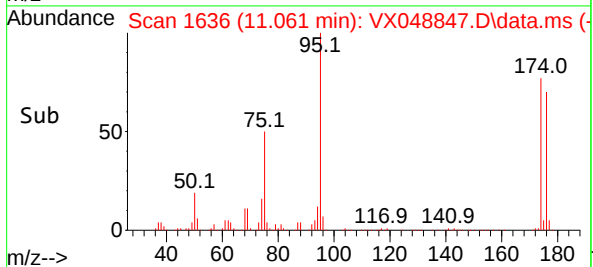
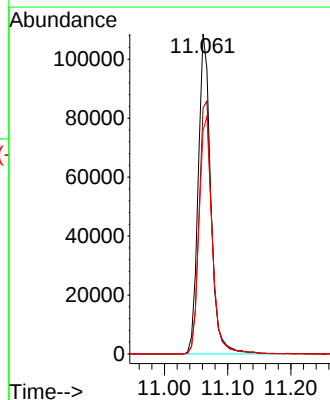
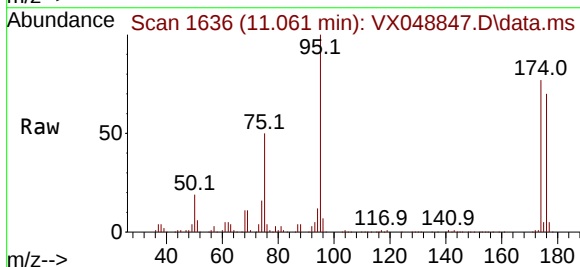
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925DL

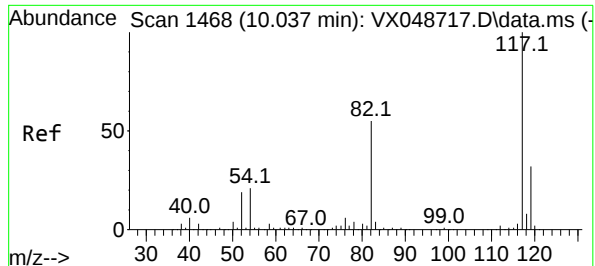
Tgt Ion: 98 Resp: 344261
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 58.149 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048847.D
Acq: 12 Dec 2025 12:26

Tgt Ion: 95 Resp: 150309
Ion Ratio Lower Upper
95 100
174 81.4 0.0 157.8
176 77.6 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: VX048847.D

Acq: 12 Dec 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

RMW-03B-90-120925DL

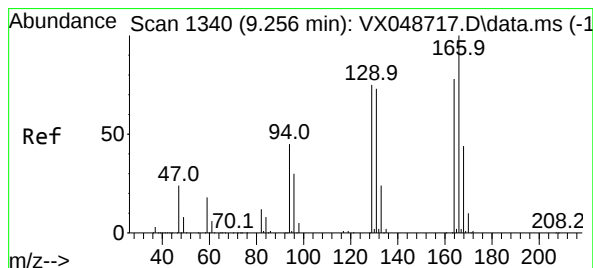
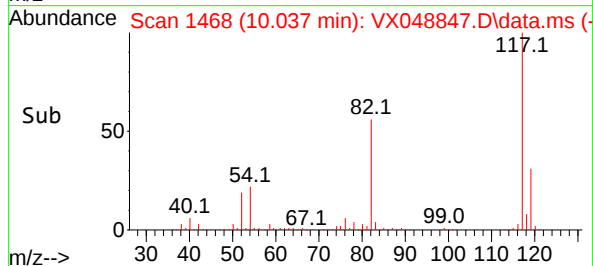
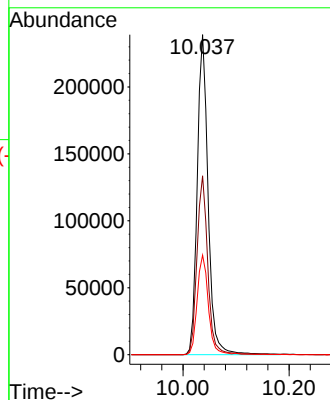
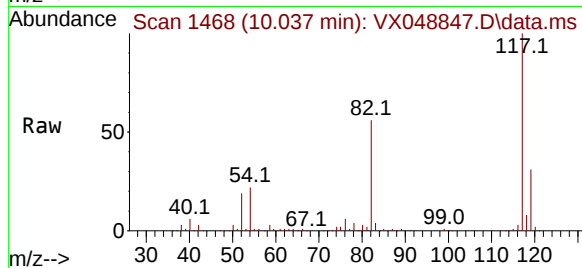
Tgt Ion:117 Resp: 339410

Ion Ratio Lower Upper

117 100

82 55.9 44.1 66.1

119 31.1 25.2 37.8



#64

Tetrachloroethene

Concen: 0.285 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX048847.D

Acq: 12 Dec 2025 12:26

Tgt Ion:164 Resp: 705

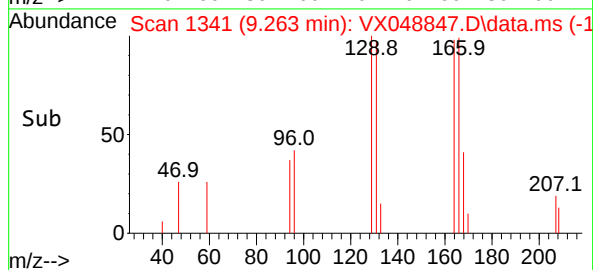
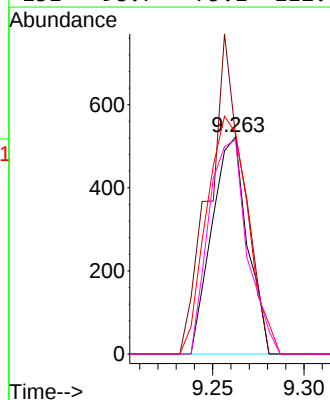
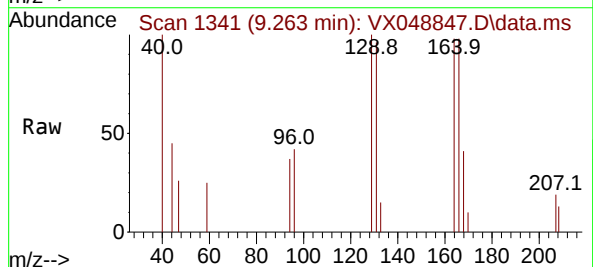
Ion Ratio Lower Upper

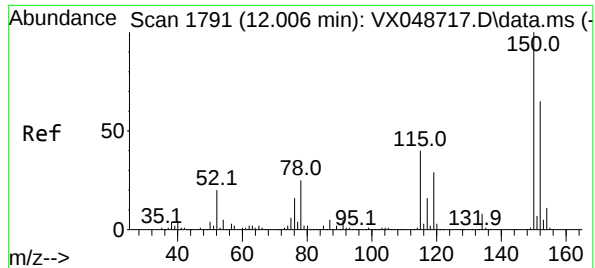
164 100

166 100.6 103.1 154.7#

129 101.9 76.9 115.3

131 98.7 75.1 112.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048847.D

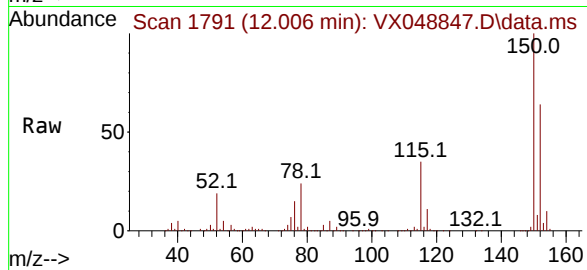
Acq: 12 Dec 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

RMW-03B-90-120925DL



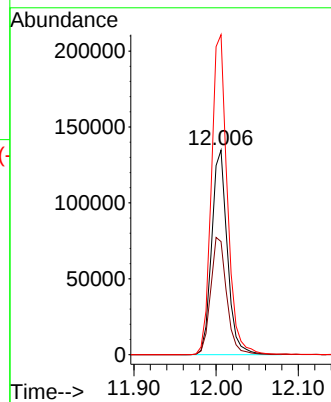
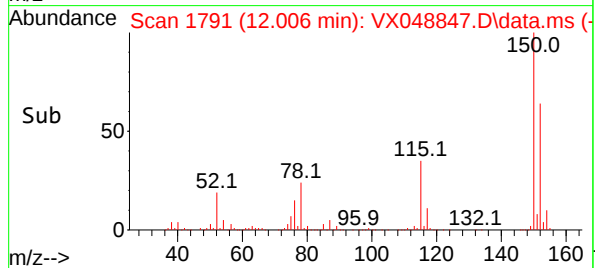
Tgt Ion:152 Resp: 178609

Ion Ratio Lower Upper

152 100

115 58.7 42.1 126.4

150 159.0 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048852.D
 Acq On : 12 Dec 2025 14:15
 Operator : JC/MD
 Sample : Q3828-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-03-138-120925

Quant Time: Dec 12 22:13:09 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)

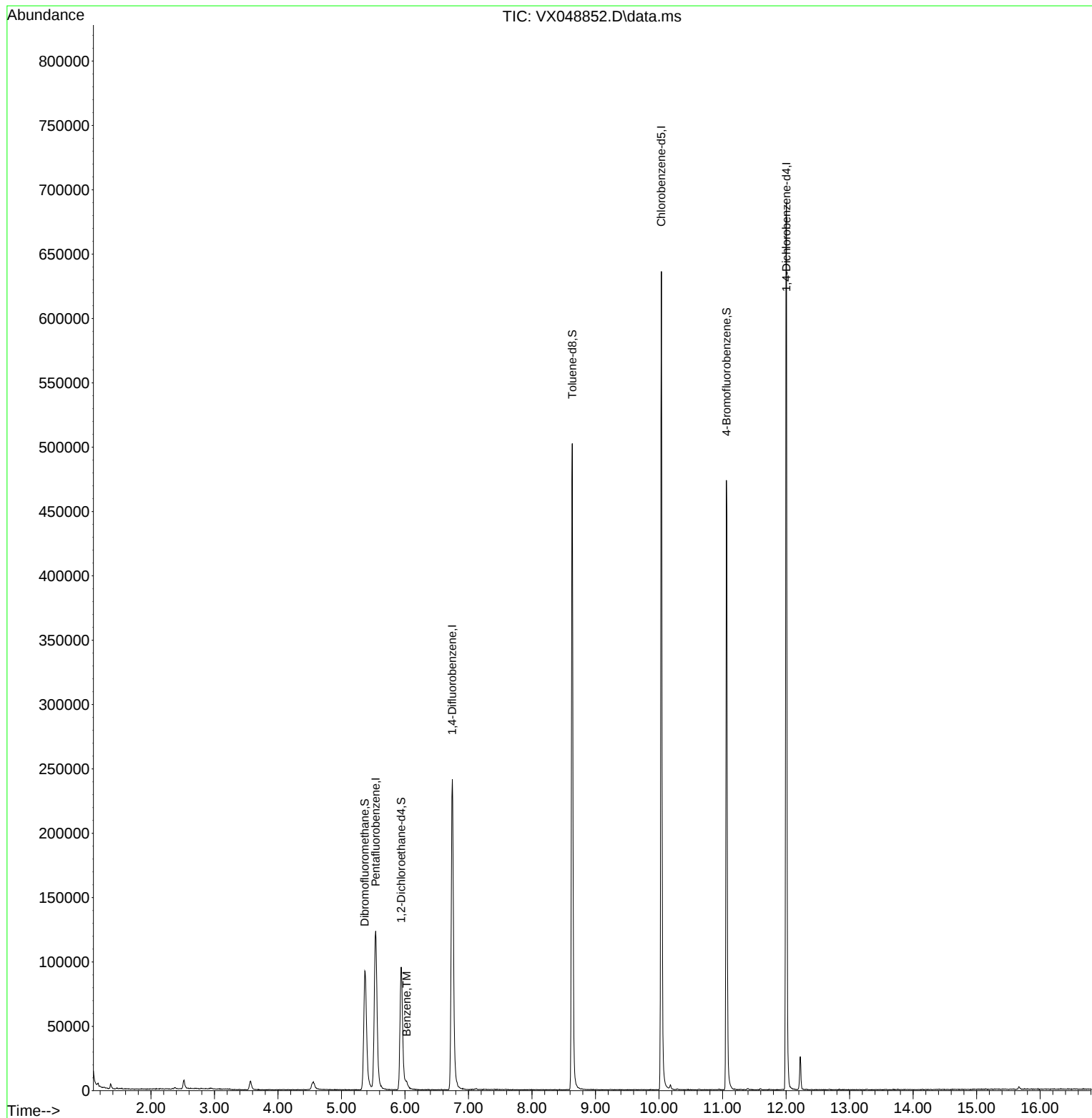
Internal Standards						
1) Pentafluorobenzene	5.538	168	127740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	268556	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	295742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	154634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	104792	61.121	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 122.240%#	
35) Dibromofluoromethane	5.367	113	91905	49.702	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.400%	
50) Toluene-d8	8.635	98	312183	48.164	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.320%	
62) 4-Bromofluorobenzene	11.061	95	133658	59.800	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.600%	
Target Compounds						
40) Benzene	6.025	78	5023	0.669	ug/l	91

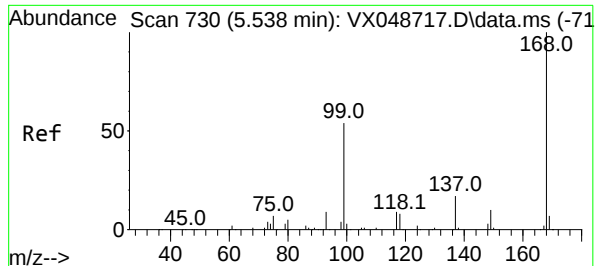
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
Data File : VX048852.D
Acq On : 12 Dec 2025 14:15
Operator : JC/MD
Sample : Q3828-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OWBR-03-138-120925

Quant Time: Dec 12 22:13:09 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

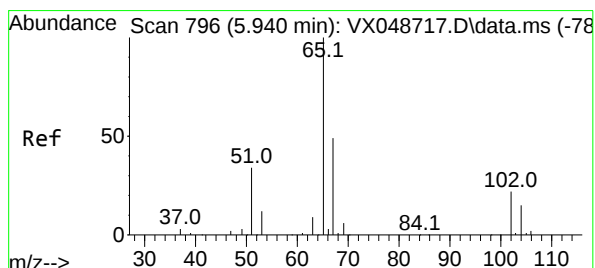
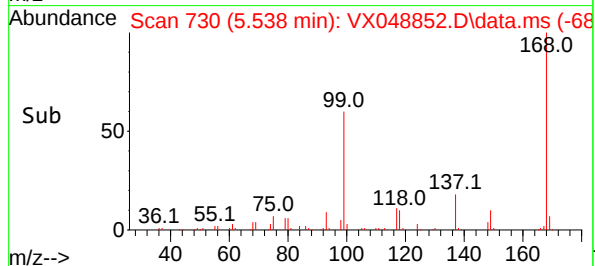
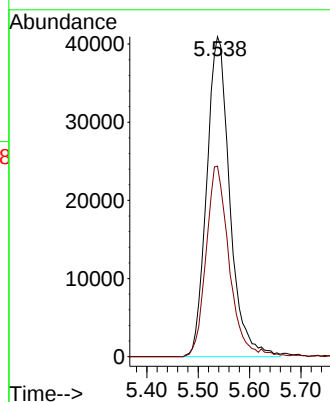
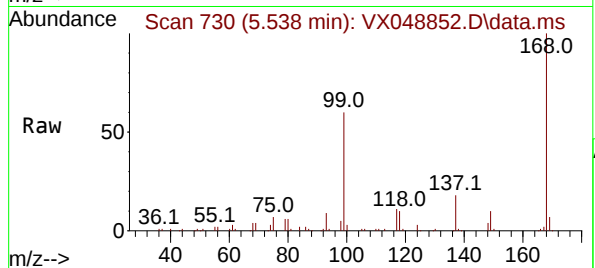




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

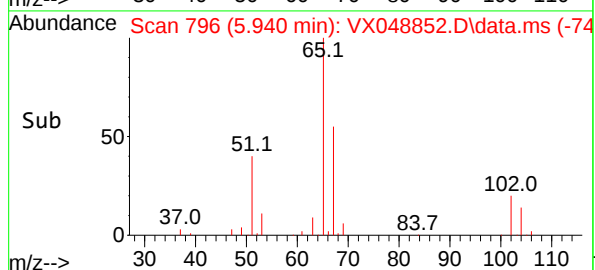
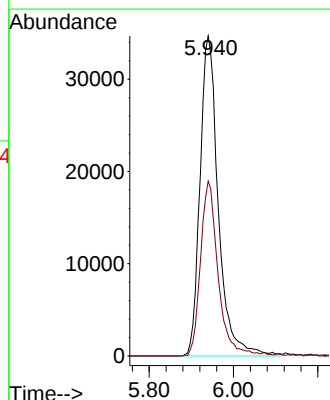
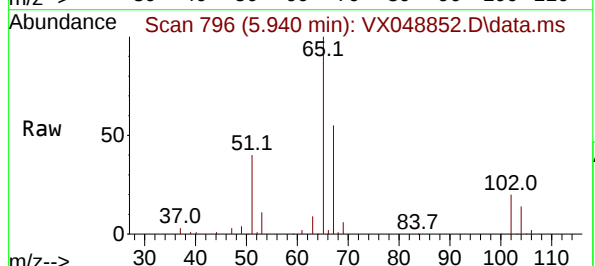
Instrument :
MSVOA_X
ClientSampleId :
OWBR-03-138-120925

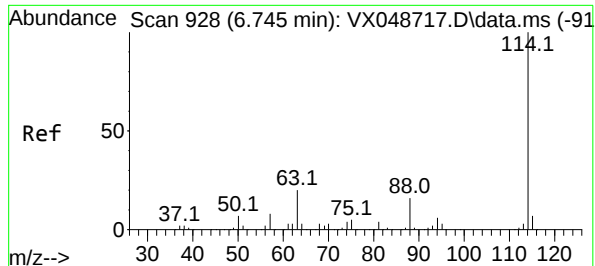
Tgt Ion:168 Resp: 127740
Ion Ratio Lower Upper
168 100
99 59.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 61.121 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

Tgt Ion: 65 Resp: 104792
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048852.D

Acq: 12 Dec 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

OWBR-03-138-120925

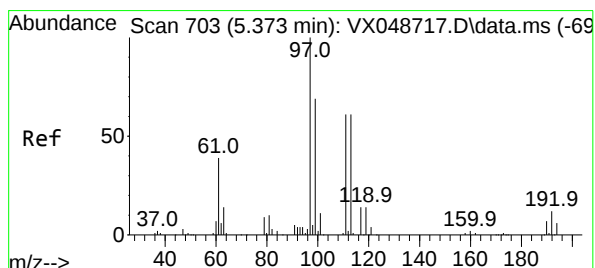
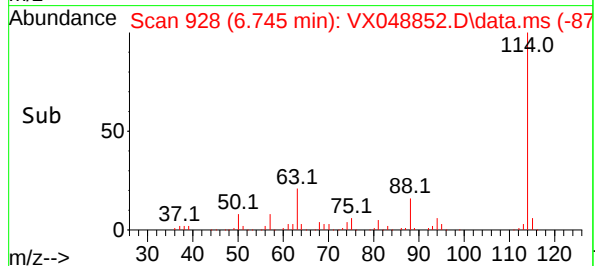
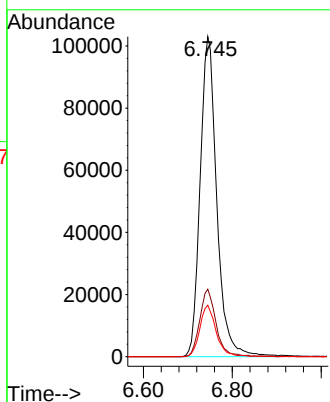
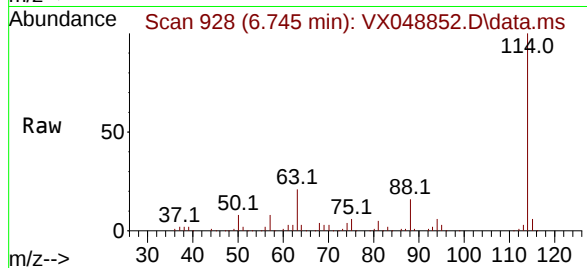
Tgt Ion:114 Resp: 268556

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.0

88 16.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.702 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX048852.D

Acq: 12 Dec 2025 14:15

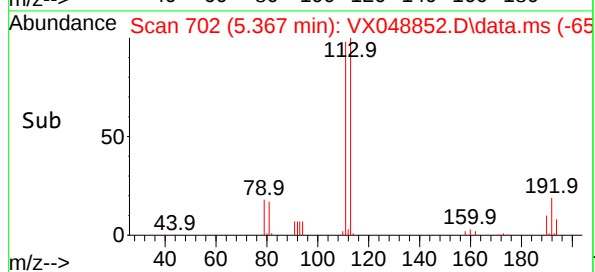
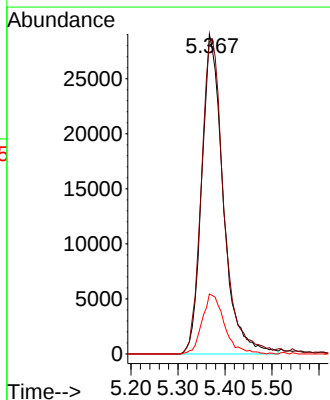
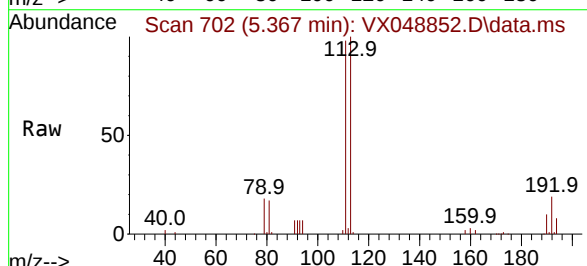
Tgt Ion:113 Resp: 91905

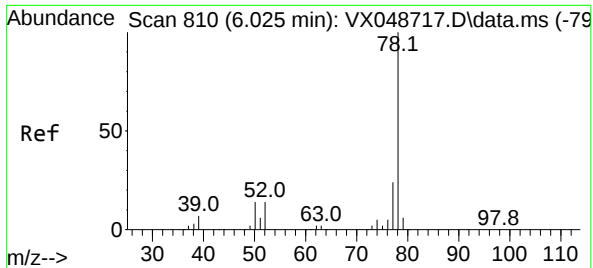
Ion Ratio Lower Upper

113 100

111 103.0 79.5 119.3

192 19.4 16.1 24.1

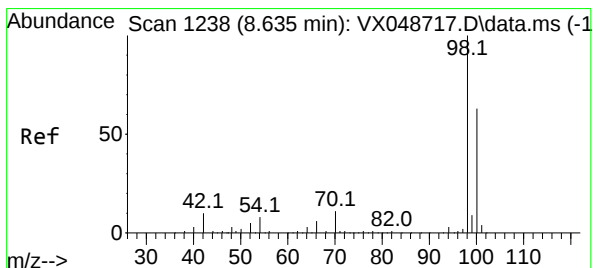
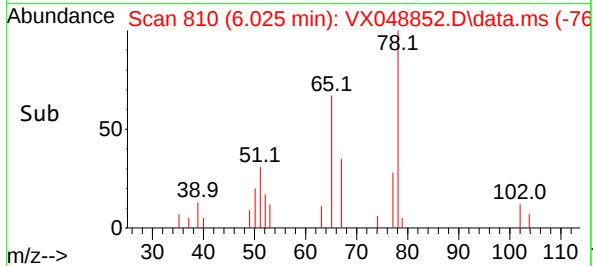
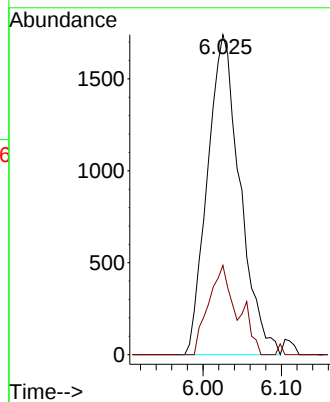
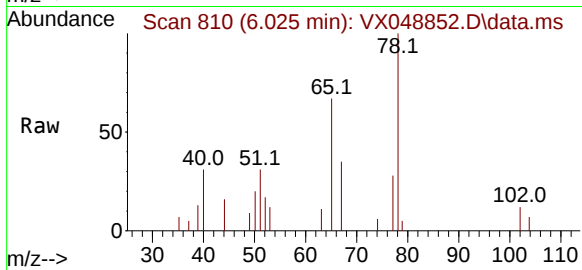




#40
Benzene
Concen: 0.669 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

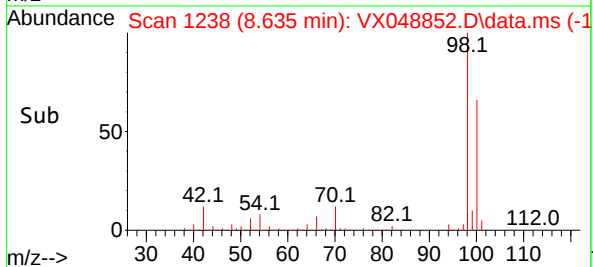
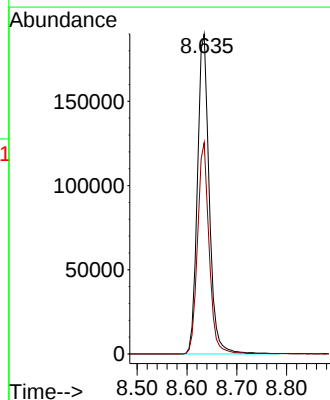
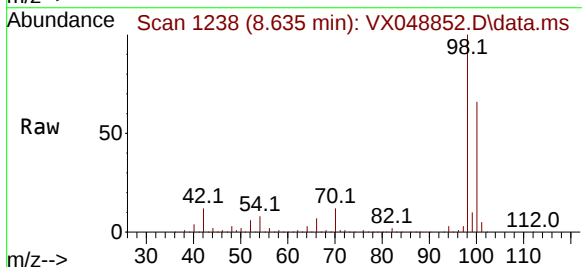
Instrument :
MSVOA_X
ClientSampleId :
OWBR-03-138-120925

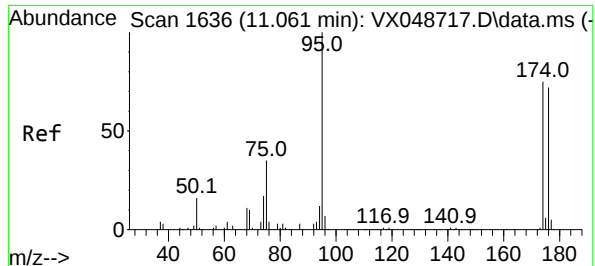
Tgt Ion: 78 Resp: 5023
Ion Ratio Lower Upper
78 100
77 27.9 18.8 28.2



#50
Toluene-d8
Concen: 48.164 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048852.D
Acq: 12 Dec 2025 14:15

Tgt Ion: 98 Resp: 312183
Ion Ratio Lower Upper
98 100
100 64.6 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 59.800 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048852.D

Acq: 12 Dec 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

OWBR-03-138-120925

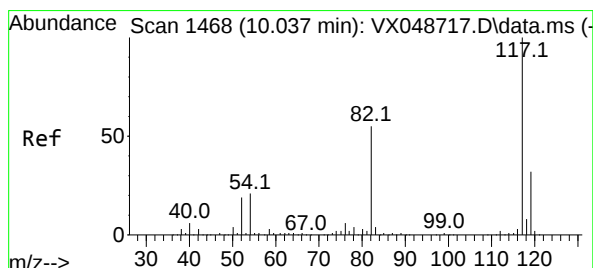
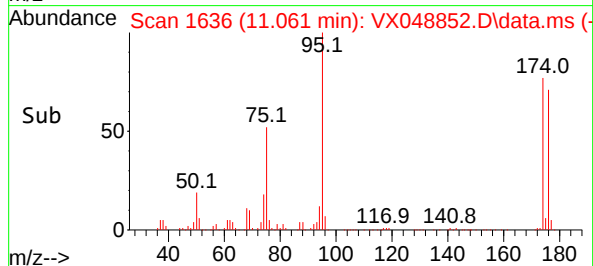
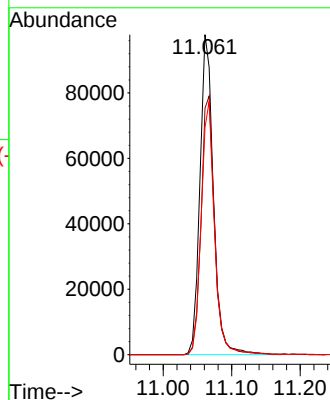
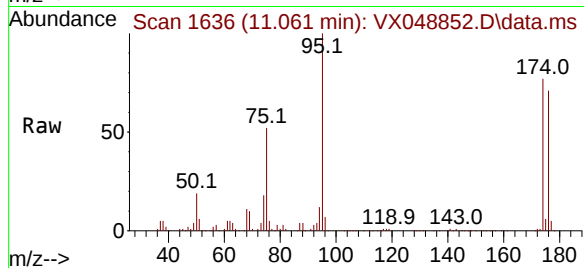
Tgt Ion: 95 Resp: 133658

Ion Ratio Lower Upper

95 100

174 82.1 0.0 157.8

176 78.2 0.0 154.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048852.D

Acq: 12 Dec 2025 14:15

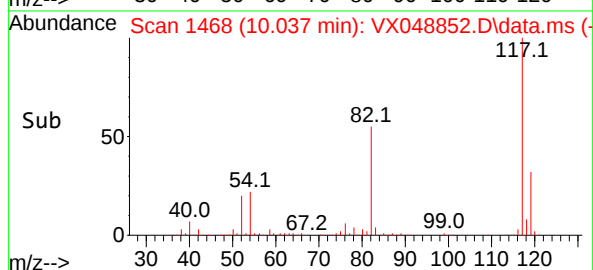
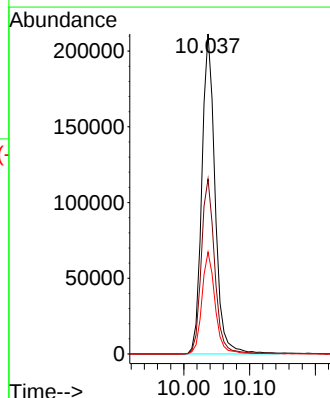
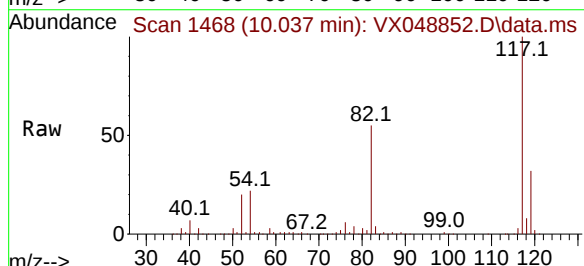
Tgt Ion: 117 Resp: 295742

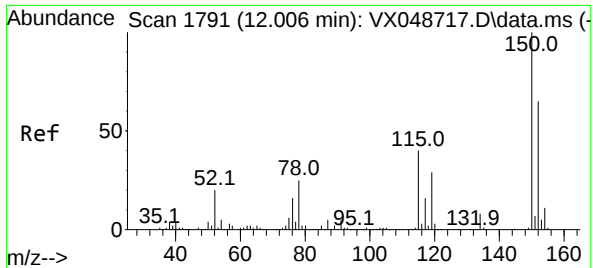
Ion Ratio Lower Upper

117 100

82 54.7 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: VX048852.D

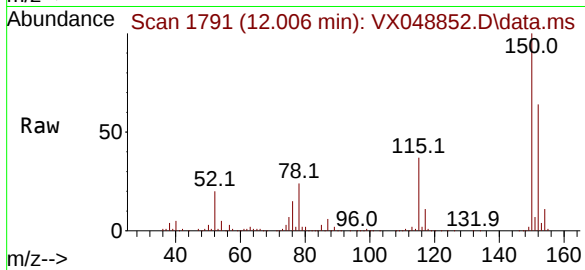
Acq: 12 Dec 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

OWBR-03-138-120925



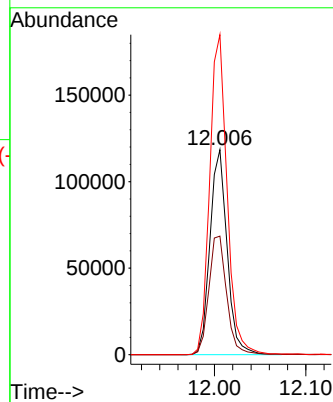
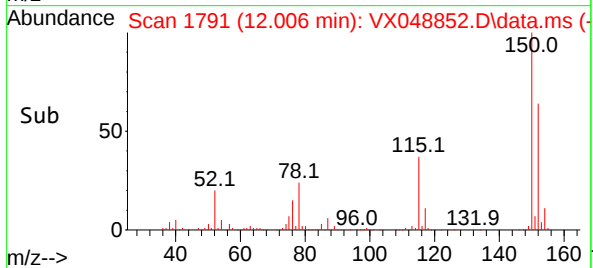
Tgt Ion:152 Resp: 154634

Ion Ratio Lower Upper

152 100

115 60.1 42.1 126.4

150 157.9 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
 Data File : VX048827.D
 Acq On : 11 Dec 2025 15:37
 Operator : JC/MD
 Sample : Q3828-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-120925

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 11 23:52:01 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	217735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	364455	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	324371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140783	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	153417	52.497	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.000%
35) Dibromofluoromethane	5.373	113	124004	49.416	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.840%
50) Toluene-d8	8.635	98	436858	49.664	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.320%
62) 4-Bromofluorobenzene	11.061	95	139501	45.991	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.980%

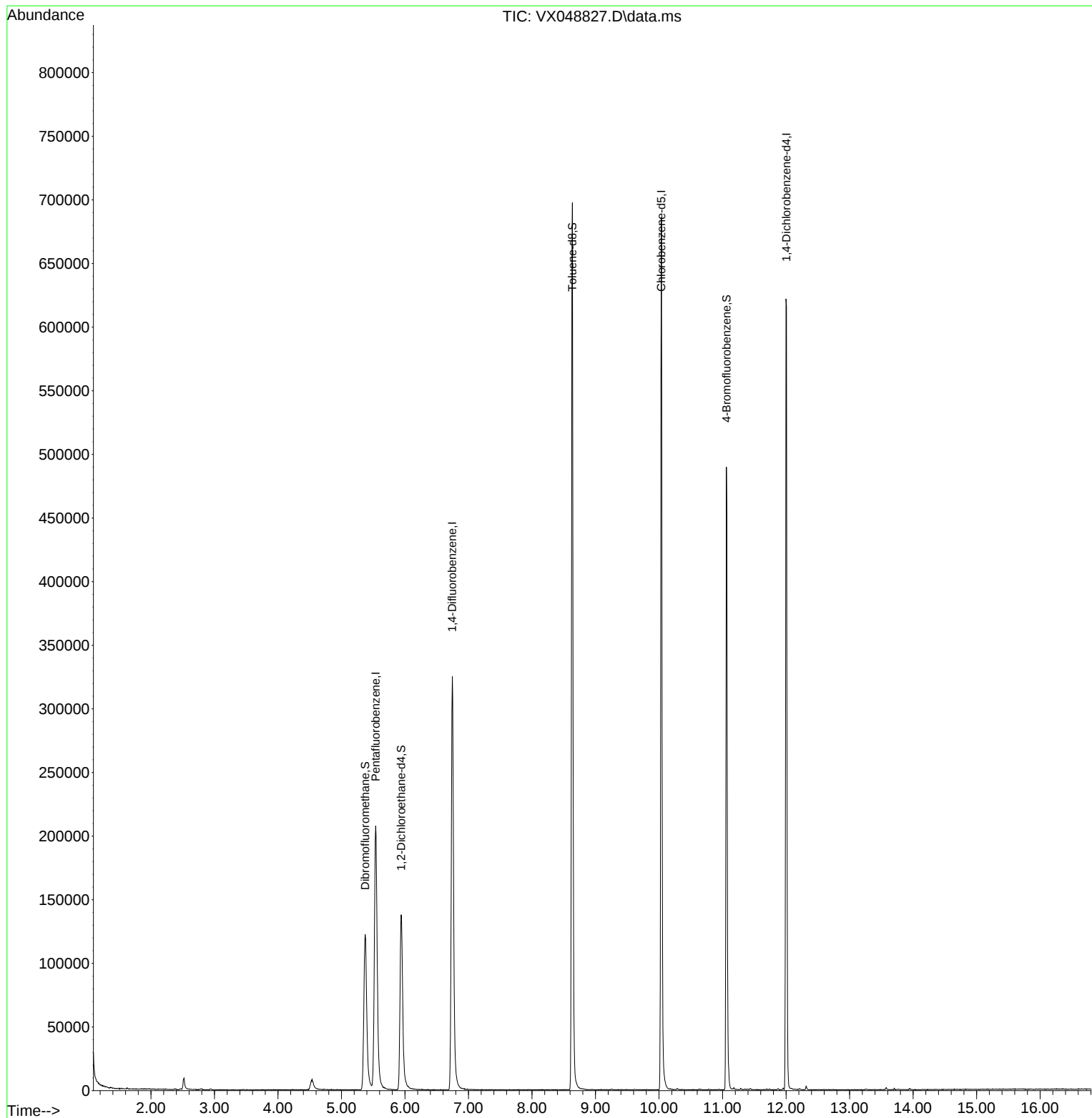
Target Compounds	Qvalue

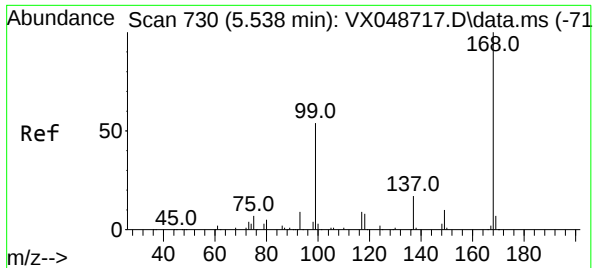
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
Data File : VX048827.D
Acq On : 11 Dec 2025 15:37
Operator : JC/MD
Sample : Q3828-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB01-120925

Quant Time: Dec 11 23:52:01 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

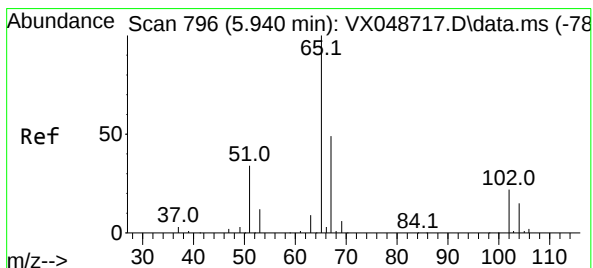
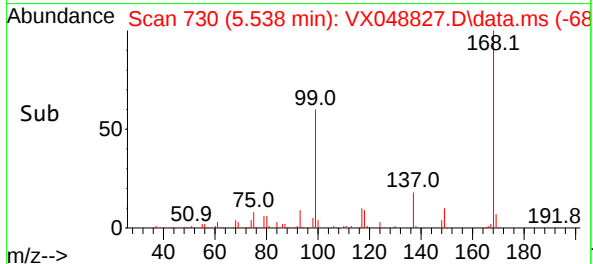
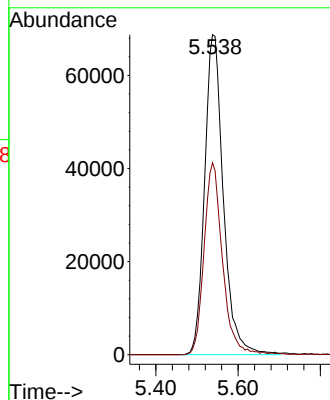
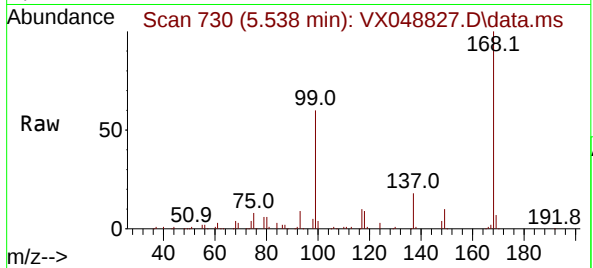




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048827.D
Acq: 11 Dec 2025 15:37

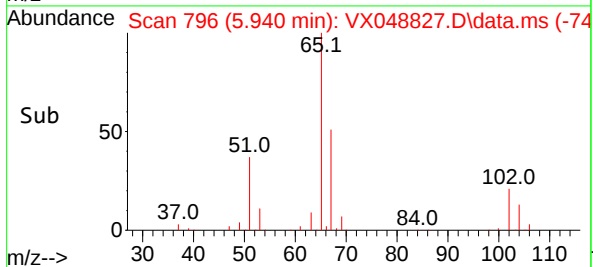
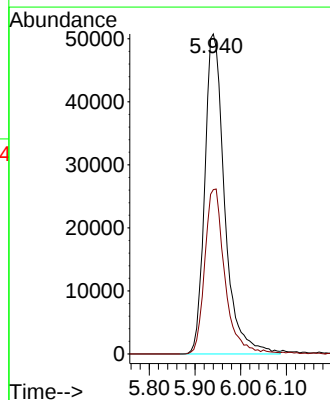
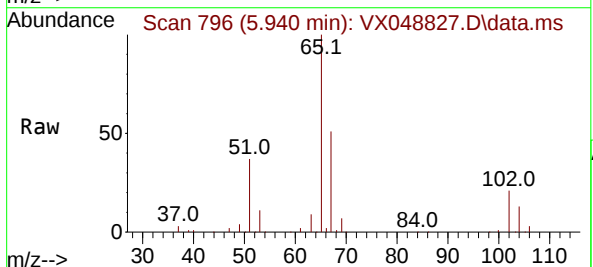
Instrument :
MSVOA_X
ClientSampleId :
FB01-120925

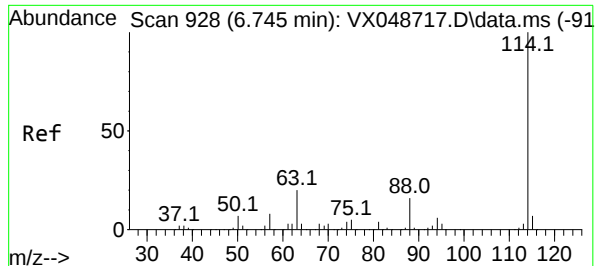
Tgt Ion:168 Resp: 217735
Ion Ratio Lower Upper
168 100
99 60.0 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 52.497 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048827.D
Acq: 11 Dec 2025 15:37

Tgt Ion: 65 Resp: 153417
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX048827.D

Acq: 11 Dec 2025 15:37

Instrument :

MSVOA_X

ClientSampleId :

FB01-120925

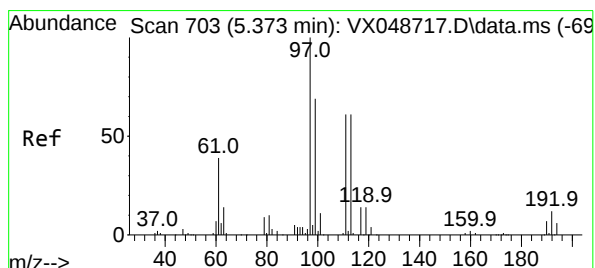
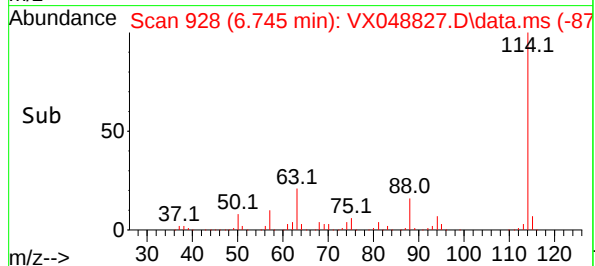
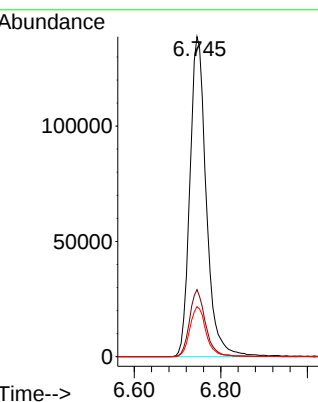
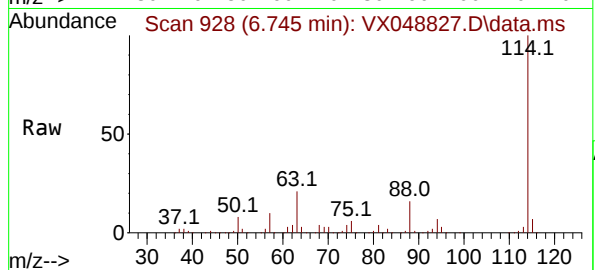
Tgt Ion:114 Resp: 364455

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.0

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.416 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048827.D

Acq: 11 Dec 2025 15:37

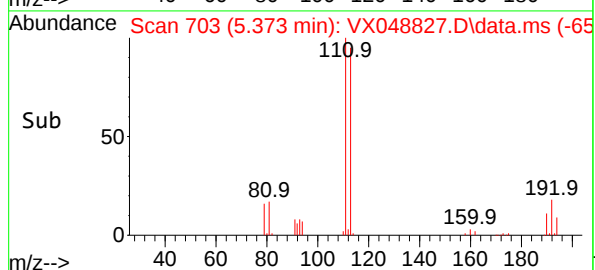
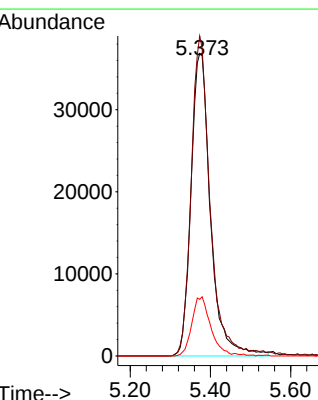
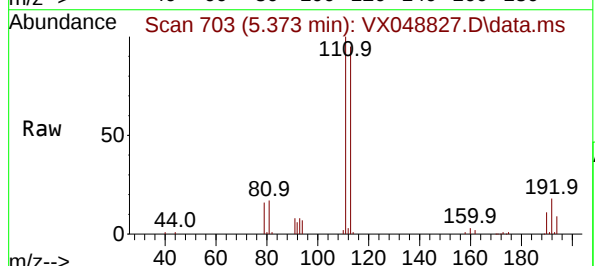
Tgt Ion:113 Resp: 124004

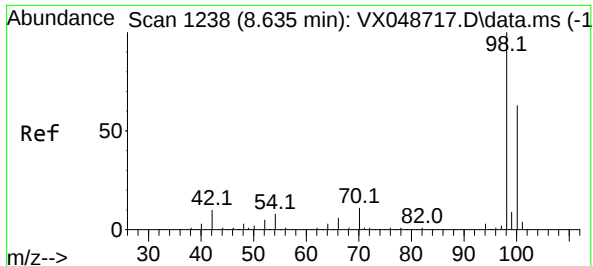
Ion Ratio Lower Upper

113 100

111 103.6 79.5 119.3

192 18.8 16.1 24.1





#50

Toluene-d8

Concen: 49.664 ug/l

RT: 8.635 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048827.D

Acq: 11 Dec 2025 15:37

Instrument :

MSVOA_X

ClientSampleId :

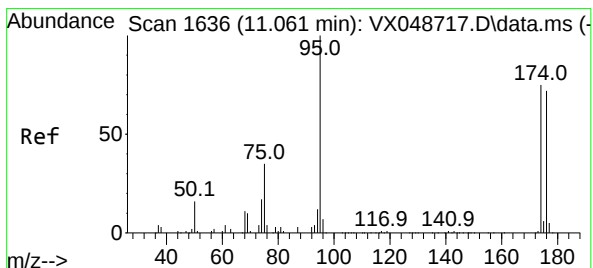
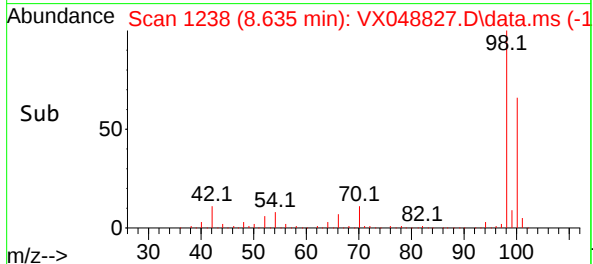
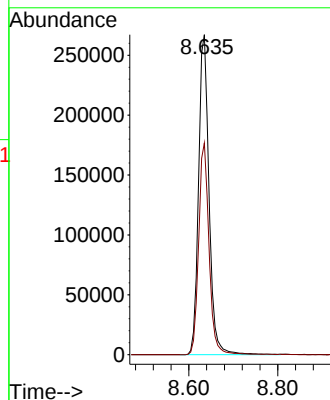
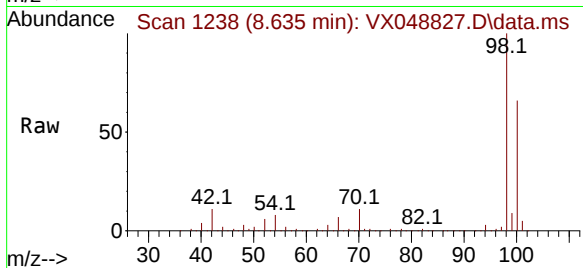
FB01-120925

Tgt Ion: 98 Resp: 436858

Ion Ratio Lower Upper

98 100

100 65.5 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 45.991 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048827.D

Acq: 11 Dec 2025 15:37

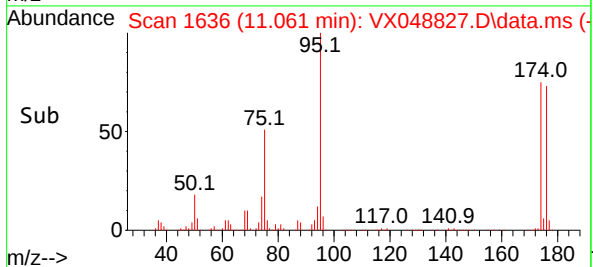
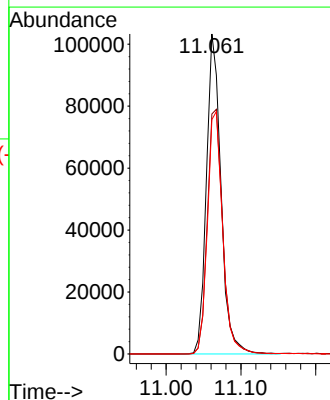
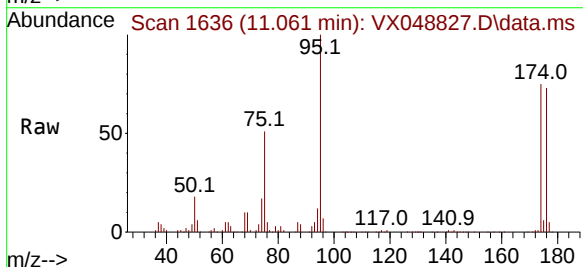
Tgt Ion: 95 Resp: 139501

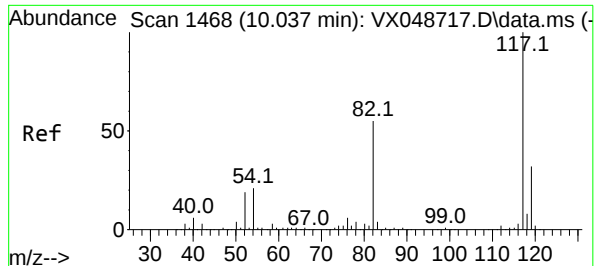
Ion Ratio Lower Upper

95 100

174 81.1 0.0 157.8

176 79.2 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048827.D

Acq: 11 Dec 2025 15:37

Instrument :

MSVOA_X

ClientSampleId :

FB01-120925

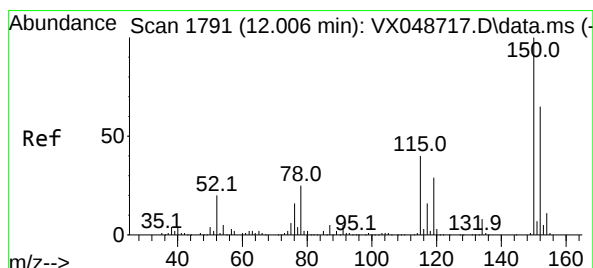
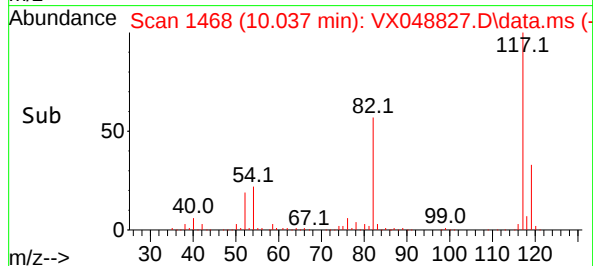
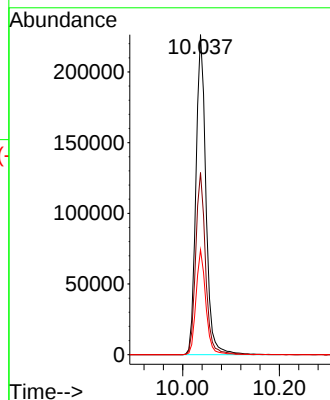
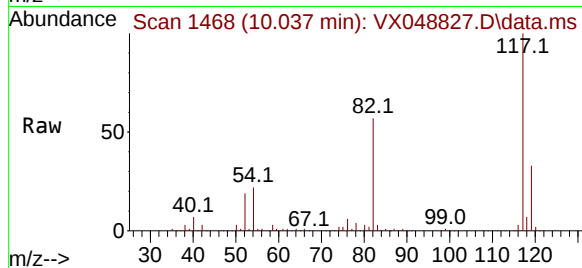
Tgt Ion:117 Resp: 324371

Ion Ratio Lower Upper

117 100

82 56.9 44.1 66.1

119 32.7 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: VX048827.D

Acq: 11 Dec 2025 15:37

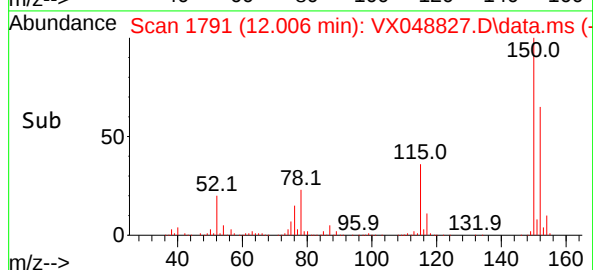
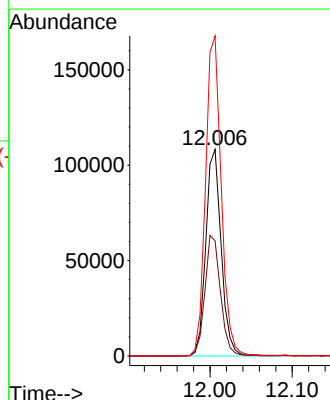
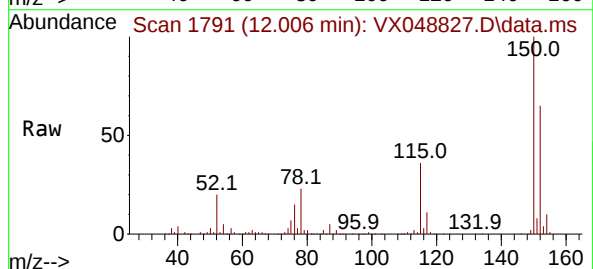
Tgt Ion:152 Resp: 140783

Ion Ratio Lower Upper

152 100

115 59.2 42.1 126.4

150 157.7 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
Data File : VX048828.D
Acq On : 11 Dec 2025 15:58
Operator : JC/MD
Sample : Q3828-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-120925

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 11 23:52:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	185904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	310427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	278196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125050	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	130506	52.303	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.600%
35) Dibromofluoromethane	5.373	113	104347	48.819	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.640%
50) Toluene-d8	8.635	98	369149	49.271	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.540%
62) 4-Bromofluorobenzene	11.061	95	122664	47.478	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.960%

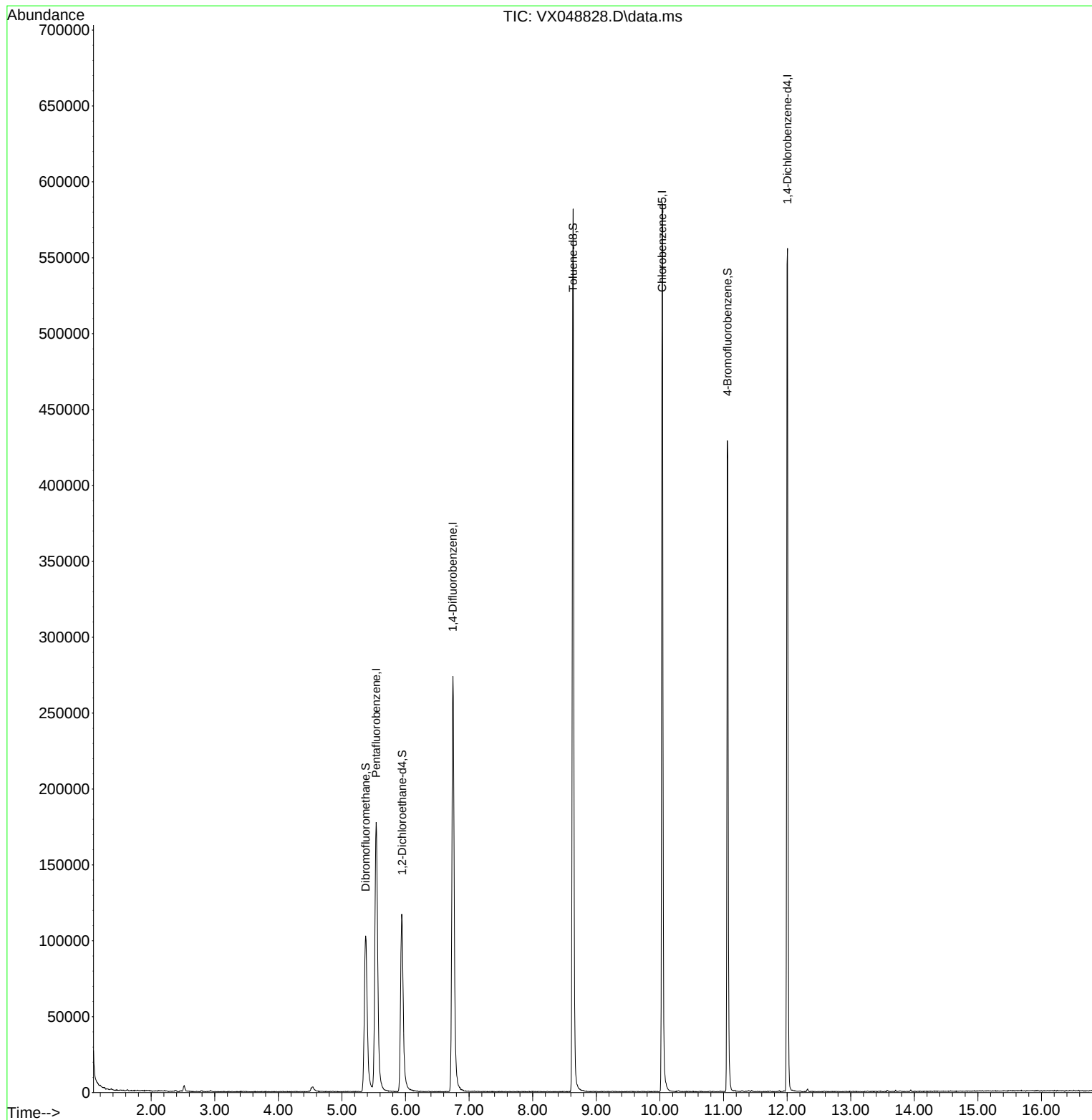
Target Compounds	Qvalue

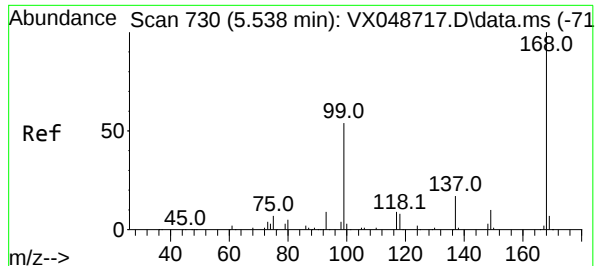
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
Data File : VX048828.D
Acq On : 11 Dec 2025 15:58
Operator : JC/MD
Sample : Q3828-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-120925

Quant Time: Dec 11 23:52:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

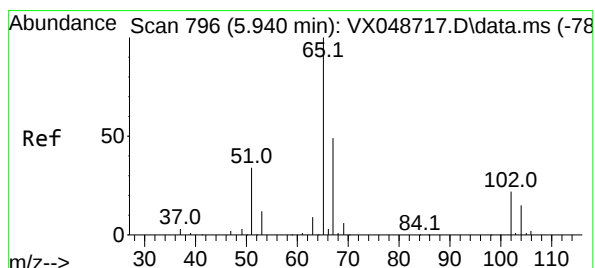
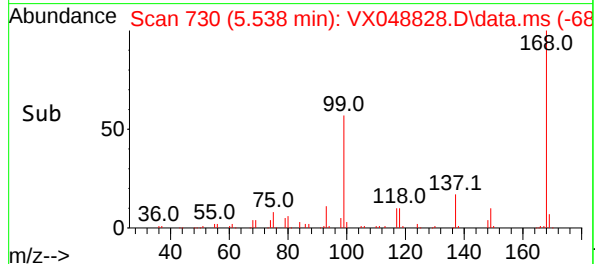
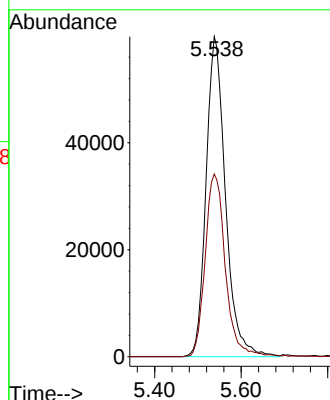
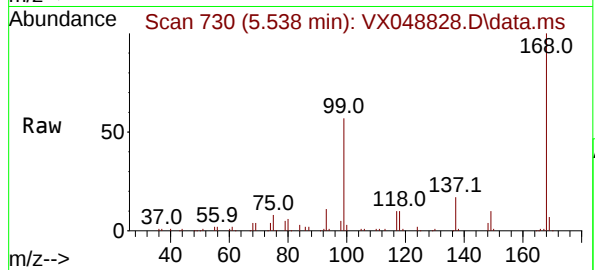




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048828.D
Acq: 11 Dec 2025 15:58

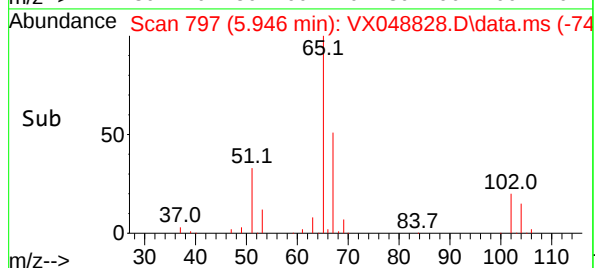
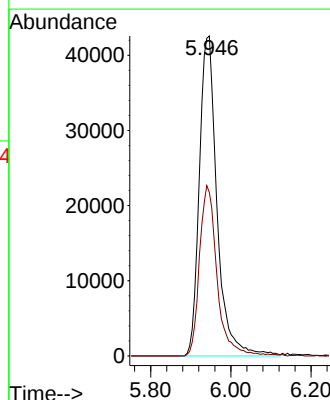
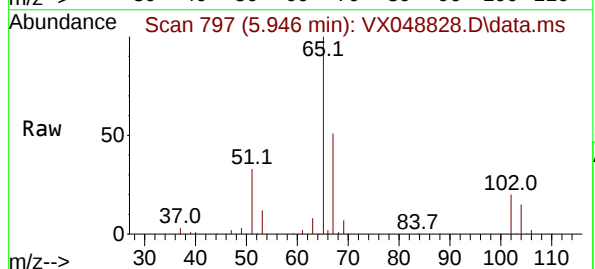
Instrument :
MSVOA_X
ClientSampleId :
TB01-120925

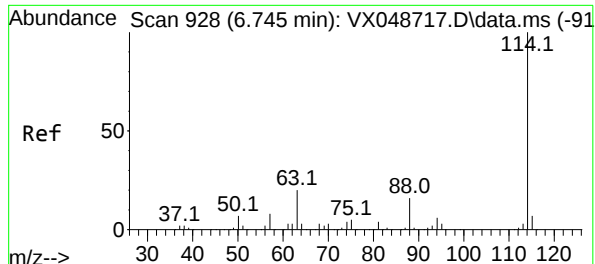
Tgt Ion:168 Resp: 185904
Ion Ratio Lower Upper
168 100
99 57.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 52.303 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048828.D
Acq: 11 Dec 2025 15:58

Tgt Ion: 65 Resp: 130506
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048828.D

Acq: 11 Dec 2025 15:58

Instrument :

MSVOA_X

ClientSampleId :

TB01-120925

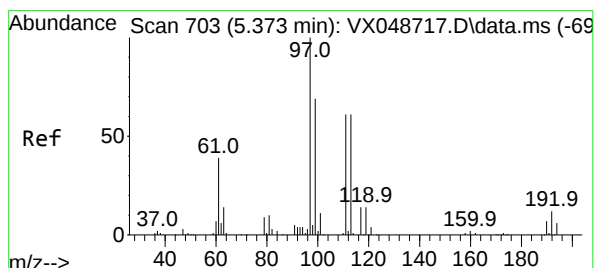
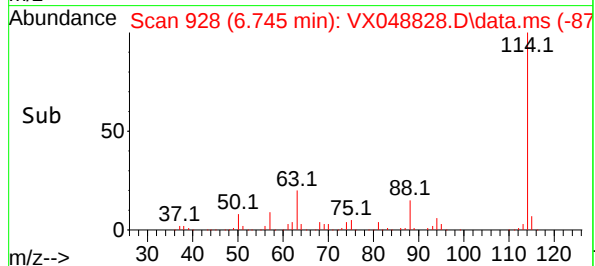
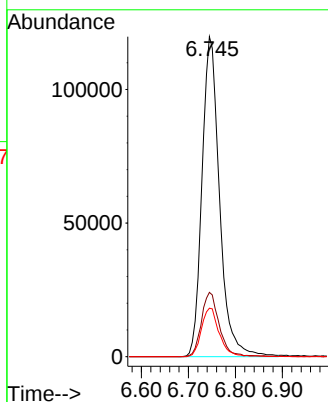
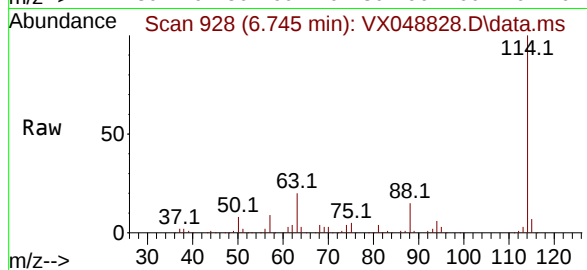
Tgt Ion:114 Resp: 310427

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.819 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048828.D

Acq: 11 Dec 2025 15:58

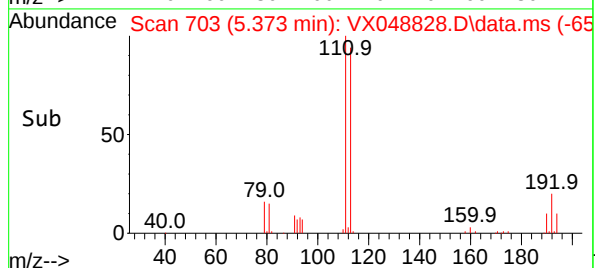
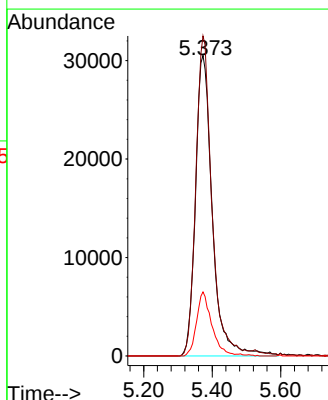
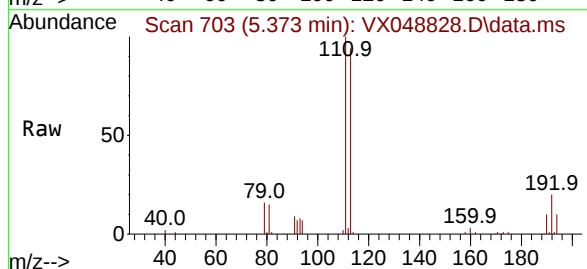
Tgt Ion:113 Resp: 104347

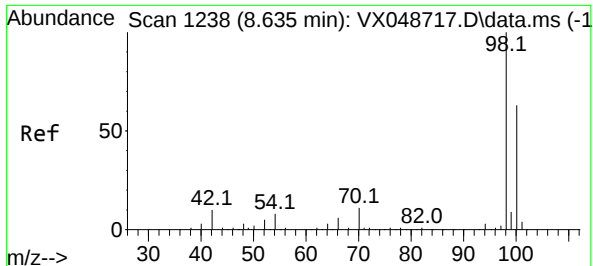
Ion Ratio Lower Upper

113 100

111 101.2 79.5 119.3

192 19.3 16.1 24.1





#50

Toluene-d8

Concen: 49.271 ug/l

RT: 8.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048828.D

Acq: 11 Dec 2025 15:58

Instrument :

MSVOA_X

ClientSampleId :

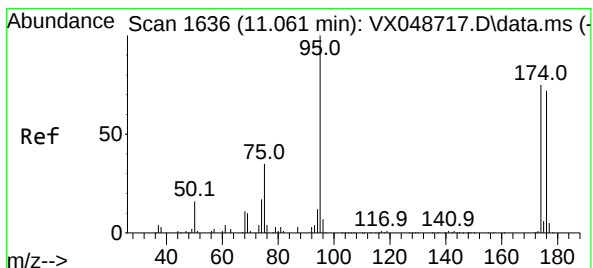
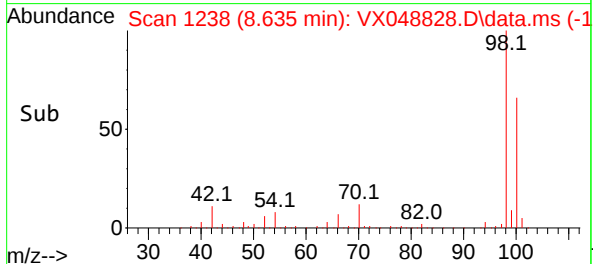
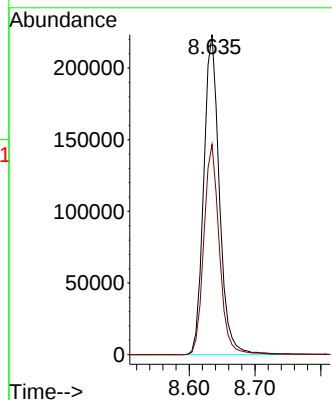
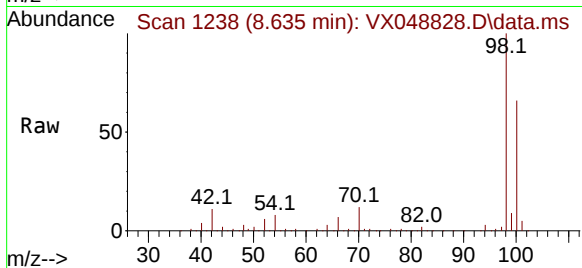
TB01-120925

Tgt Ion: 98 Resp: 369149

Ion Ratio Lower Upper

98 100

100 65.3 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 47.478 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048828.D

Acq: 11 Dec 2025 15:58

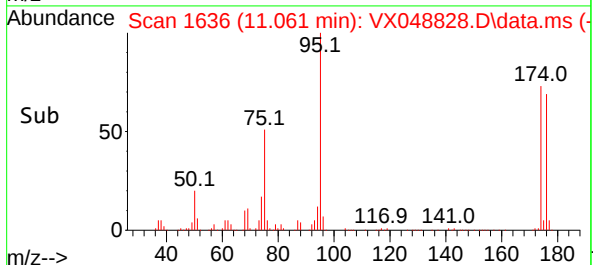
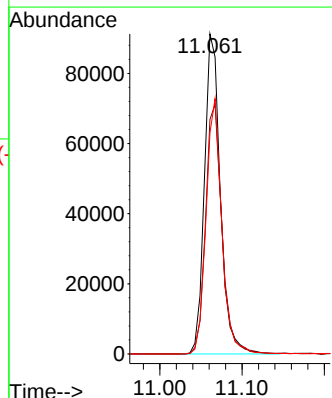
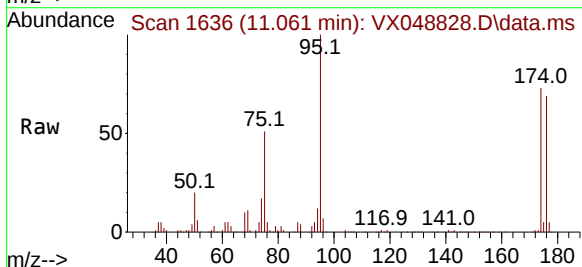
Tgt Ion: 95 Resp: 122664

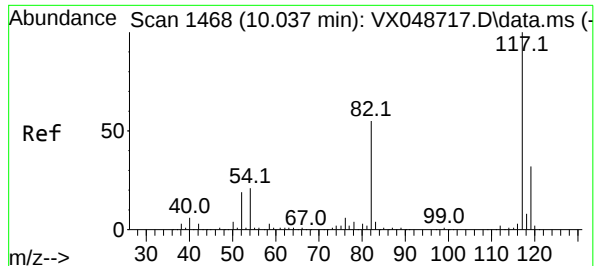
Ion Ratio Lower Upper

95 100

174 80.7 0.0 157.8

176 79.1 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048828.D

Acq: 11 Dec 2025 15:58

Instrument :

MSVOA_X

ClientSampleId :

TB01-120925

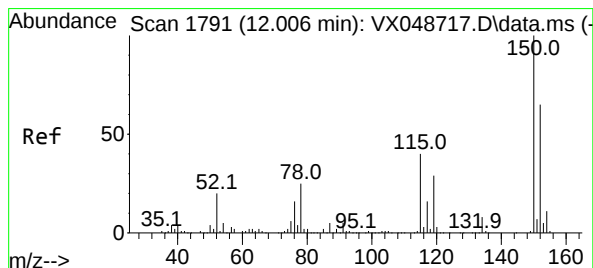
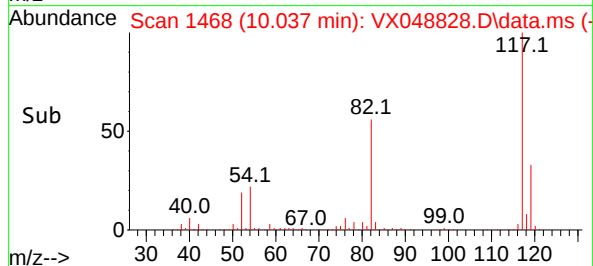
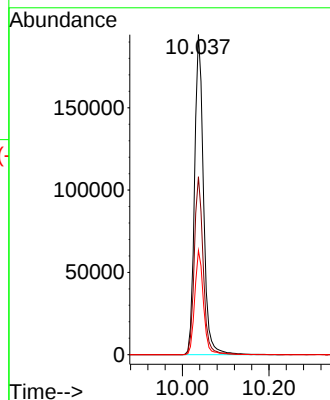
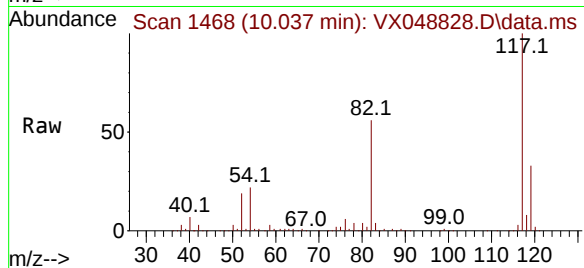
Tgt Ion:117 Resp: 278196

Ion Ratio Lower Upper

117 100

82 55.6 44.1 66.1

119 32.5 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: VX048828.D

Acq: 11 Dec 2025 15:58

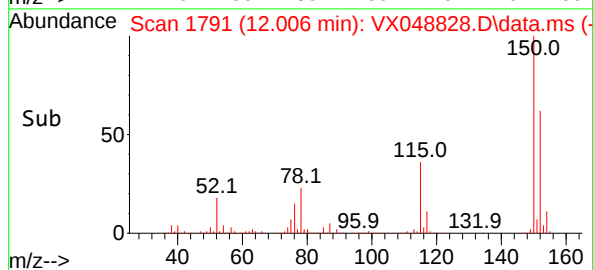
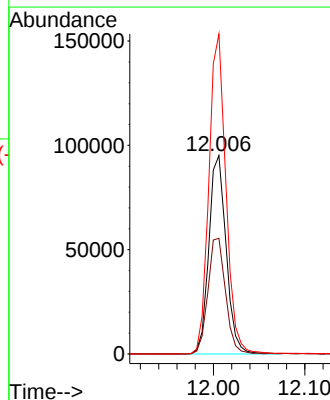
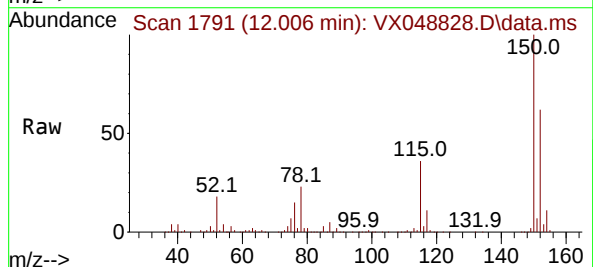
Tgt Ion:152 Resp: 125050

Ion Ratio Lower Upper

152 100

115 59.5 42.1 126.4

150 159.1 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
Data File : VX048824.D
Acq On : 11 Dec 2025 14:06
Operator : JC/MD
Sample : VX1211WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBL01

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 11 23:48:57 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	251542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	411094	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	347963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	149114	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	160238	47.462	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.920%
35) Dibromofluoromethane	5.361	113	134968	47.683	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.360%
50) Toluene-d8	8.629	98	489960	49.382	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.760%
62) 4-Bromofluorobenzene	11.061	95	148637	43.443	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.880%

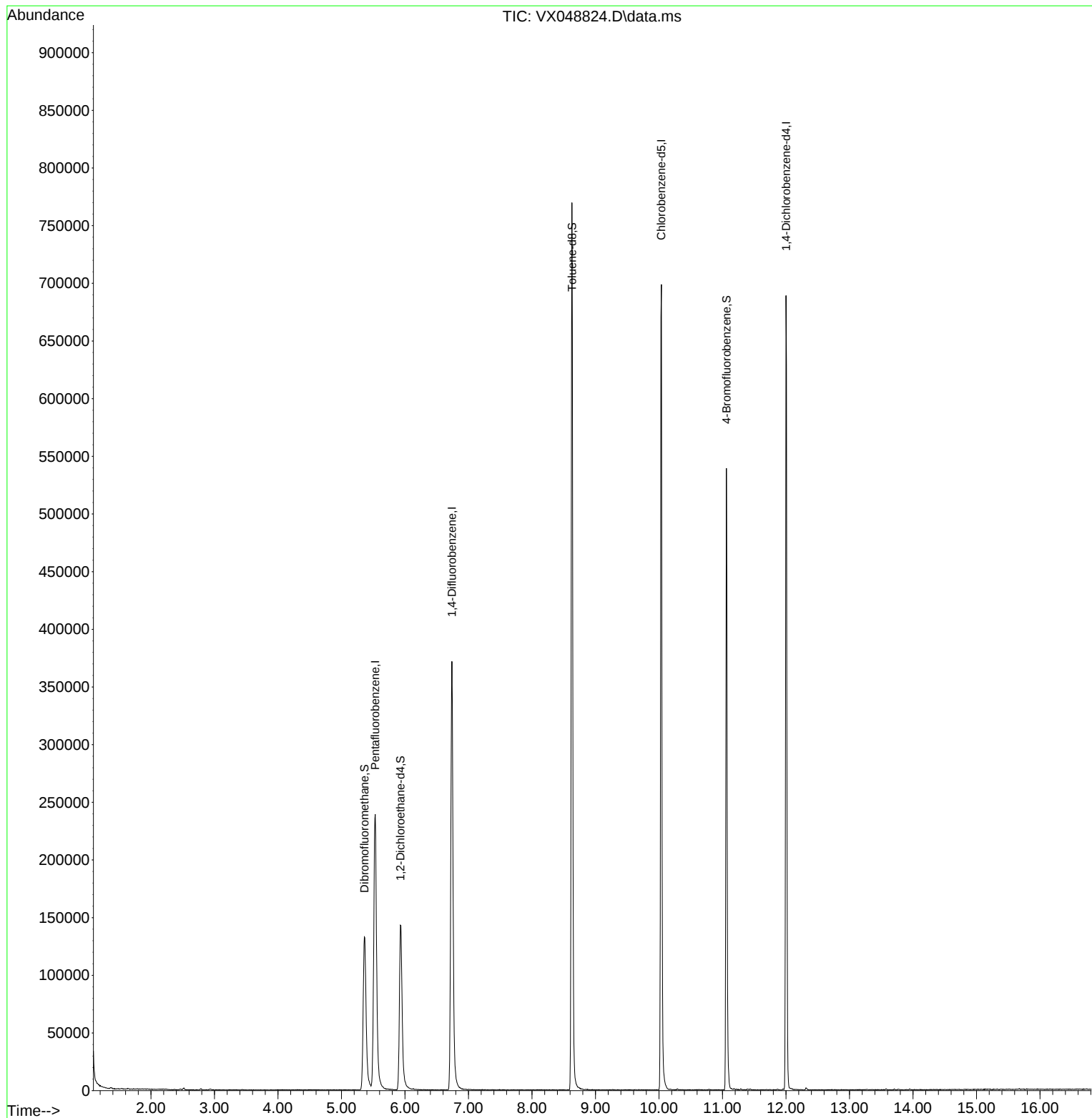
Target Compounds	Qvalue

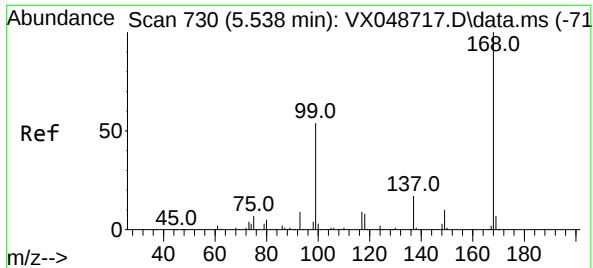
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
Data File : VX048824.D
Acq On : 11 Dec 2025 14:06
Operator : JC/MD
Sample : VX1211WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBL01

Quant Time: Dec 11 23:48:57 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

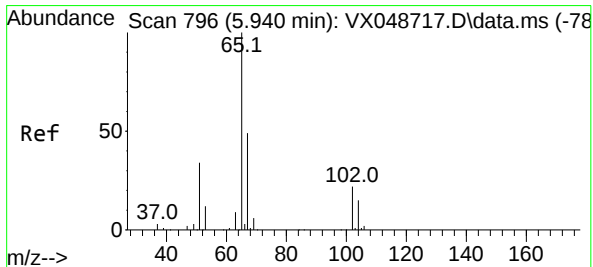
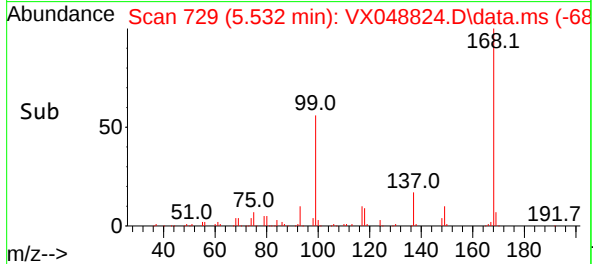
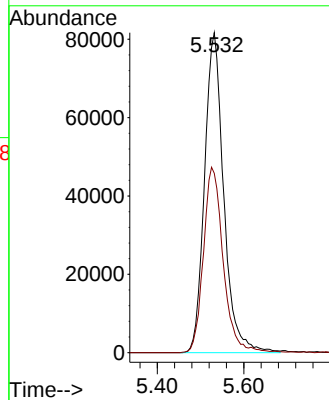
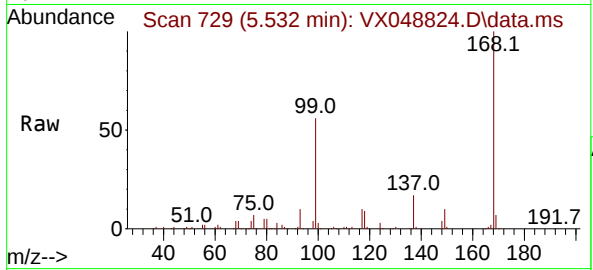




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 711
Delta R.T. -0.006 min
Lab File: VX048824.D
Acq: 11 Dec 2025 14:06

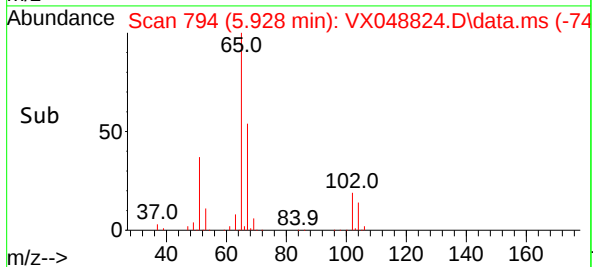
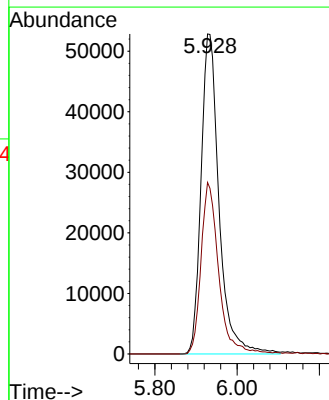
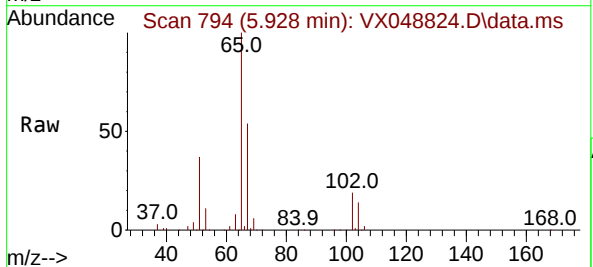
Instrument :
MSVOA_X
ClientSampleId :
VX1211WBL01

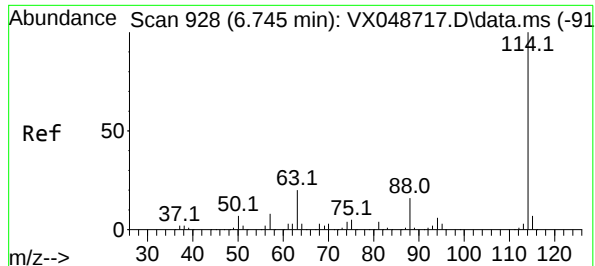
Tgt Ion:168 Resp: 251542
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 47.462 ug/l
RT: 5.928 min Scan# 794
Delta R.T. -0.012 min
Lab File: VX048824.D
Acq: 11 Dec 2025 14:06

Tgt Ion: 65 Resp: 160238
Ion Ratio Lower Upper
65 100
67 52.5 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: VX048824.D

Acq: 11 Dec 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBL01

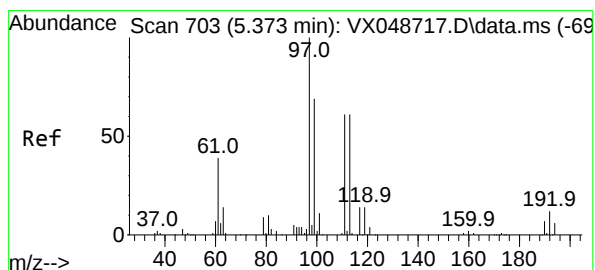
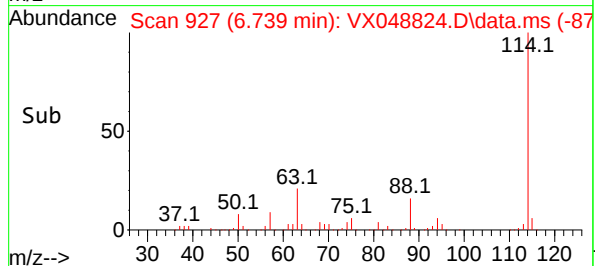
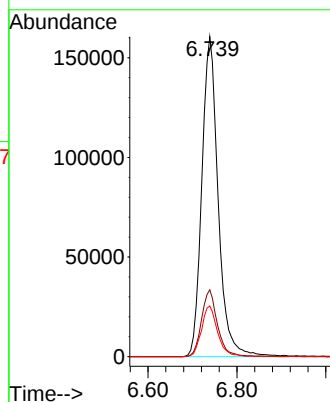
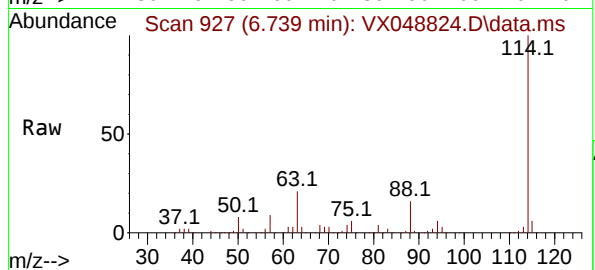
Tgt Ion:114 Resp: 411094

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.0

88 15.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.683 ug/l

RT: 5.361 min Scan# 701

Delta R.T. -0.012 min

Lab File: VX048824.D

Acq: 11 Dec 2025 14:06

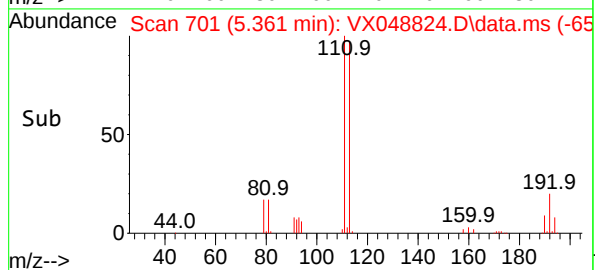
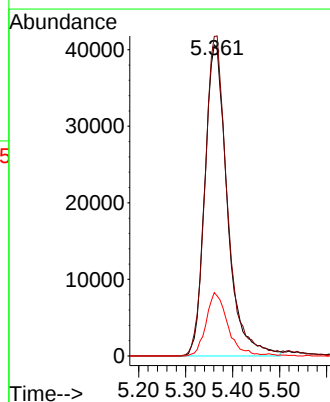
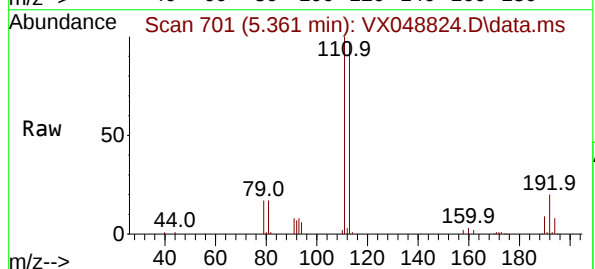
Tgt Ion:113 Resp: 134968

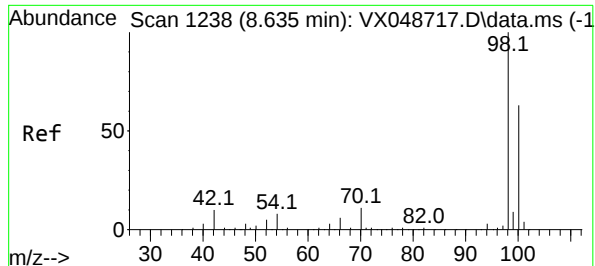
Ion Ratio Lower Upper

113 100

111 102.1 79.5 119.3

192 19.5 16.1 24.1





#50

Toluene-d8

Concen: 49.382 ug/l

RT: 8.629 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX048824.D

Acq: 11 Dec 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

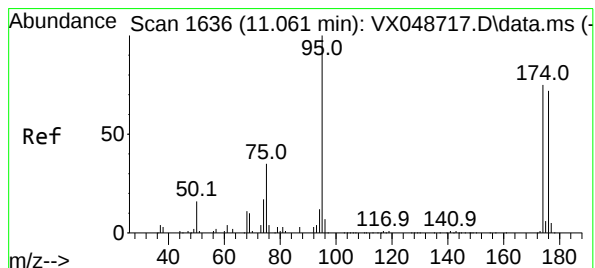
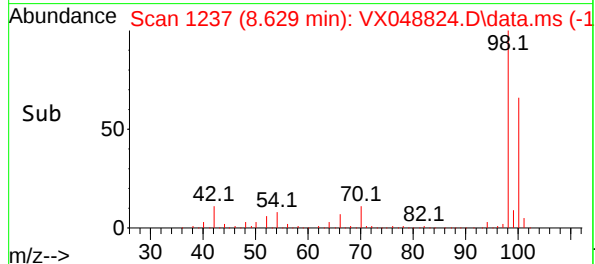
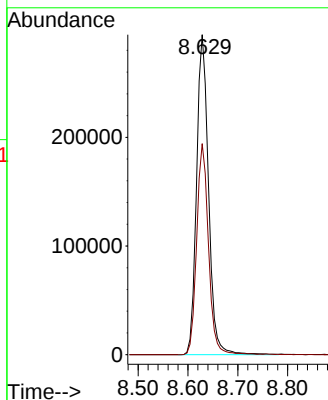
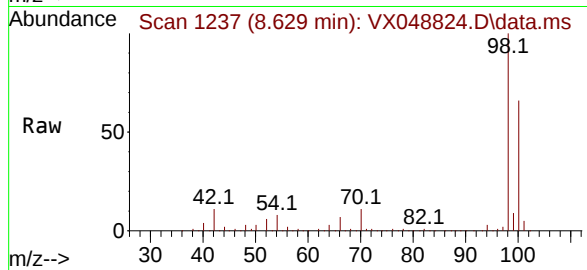
VX1211WBL01

Tgt Ion: 98 Resp: 489960

Ion Ratio Lower Upper

98 100

100 65.2 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 43.443 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048824.D

Acq: 11 Dec 2025 14:06

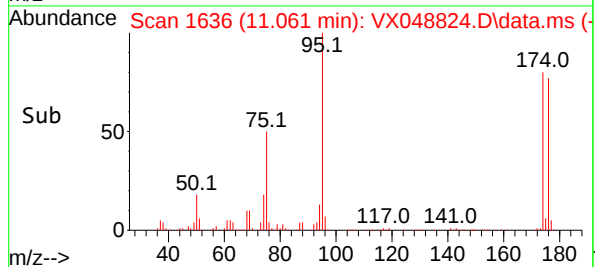
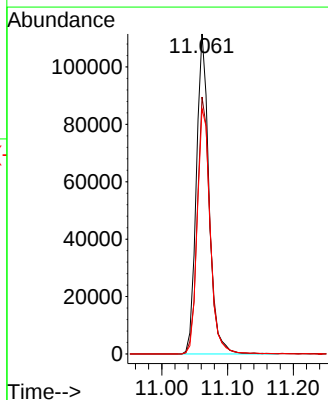
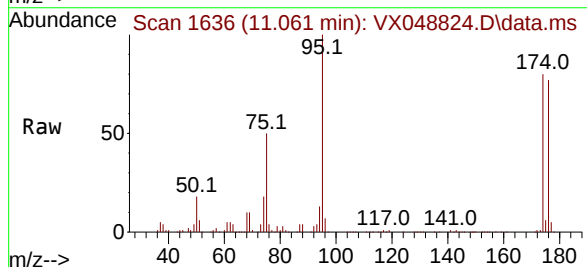
Tgt Ion: 95 Resp: 148637

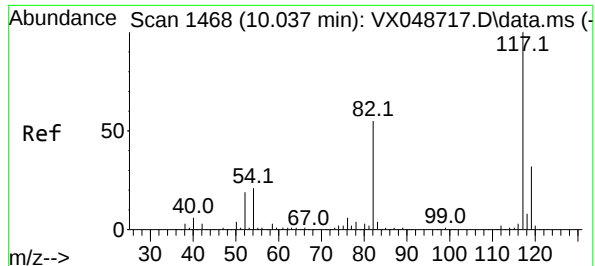
Ion Ratio Lower Upper

95 100

174 80.8 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: VX048824.D

Acq: 11 Dec 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBL01

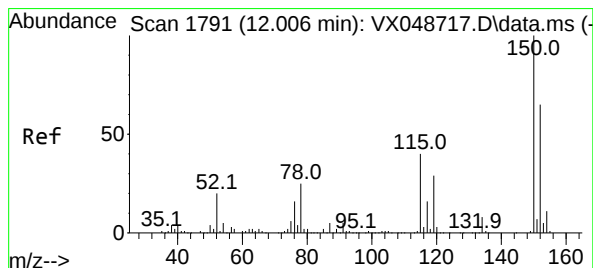
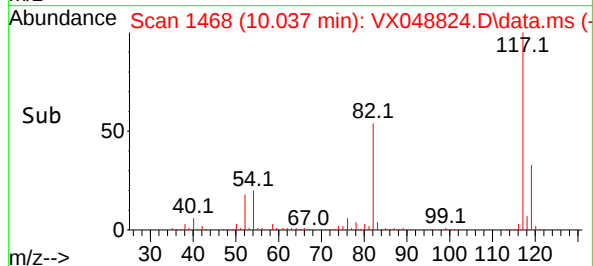
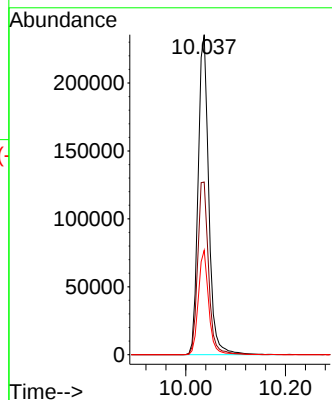
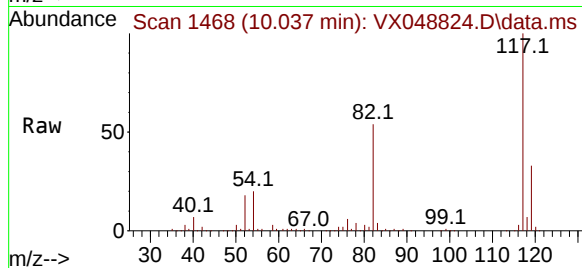
Tgt Ion:117 Resp: 347963

Ion Ratio Lower Upper

117 100

82 54.0 44.1 66.1

119 32.6 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.000 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VX048824.D

Acq: 11 Dec 2025 14:06

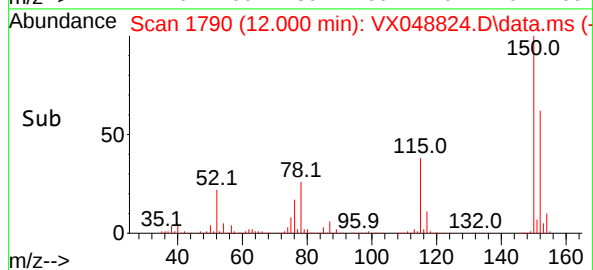
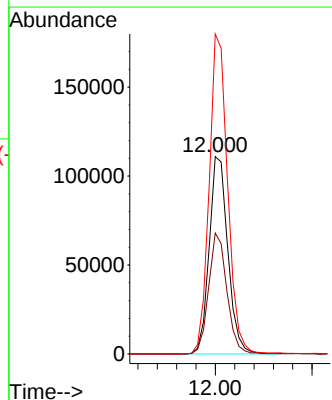
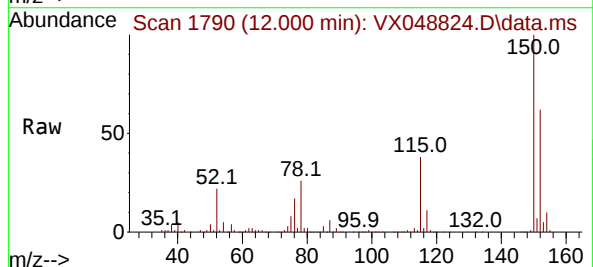
Tgt Ion:152 Resp: 149114

Ion Ratio Lower Upper

152 100

115 60.0 42.1 126.4

150 160.5 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048842.D
 Acq On : 12 Dec 2025 10:31
 Operator : JC/MD
 Sample : VX1212WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBL01

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 12 22:08:54 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	157967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	331453	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	357991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	186392	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	122324	57.694	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.380%
35) Dibromofluoromethane	5.367	113	108700	47.630	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.260%
50) Toluene-d8	8.628	98	382048	47.757	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.520%
62) 4-Bromofluorobenzene	11.061	95	165963	60.163	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	120.320%

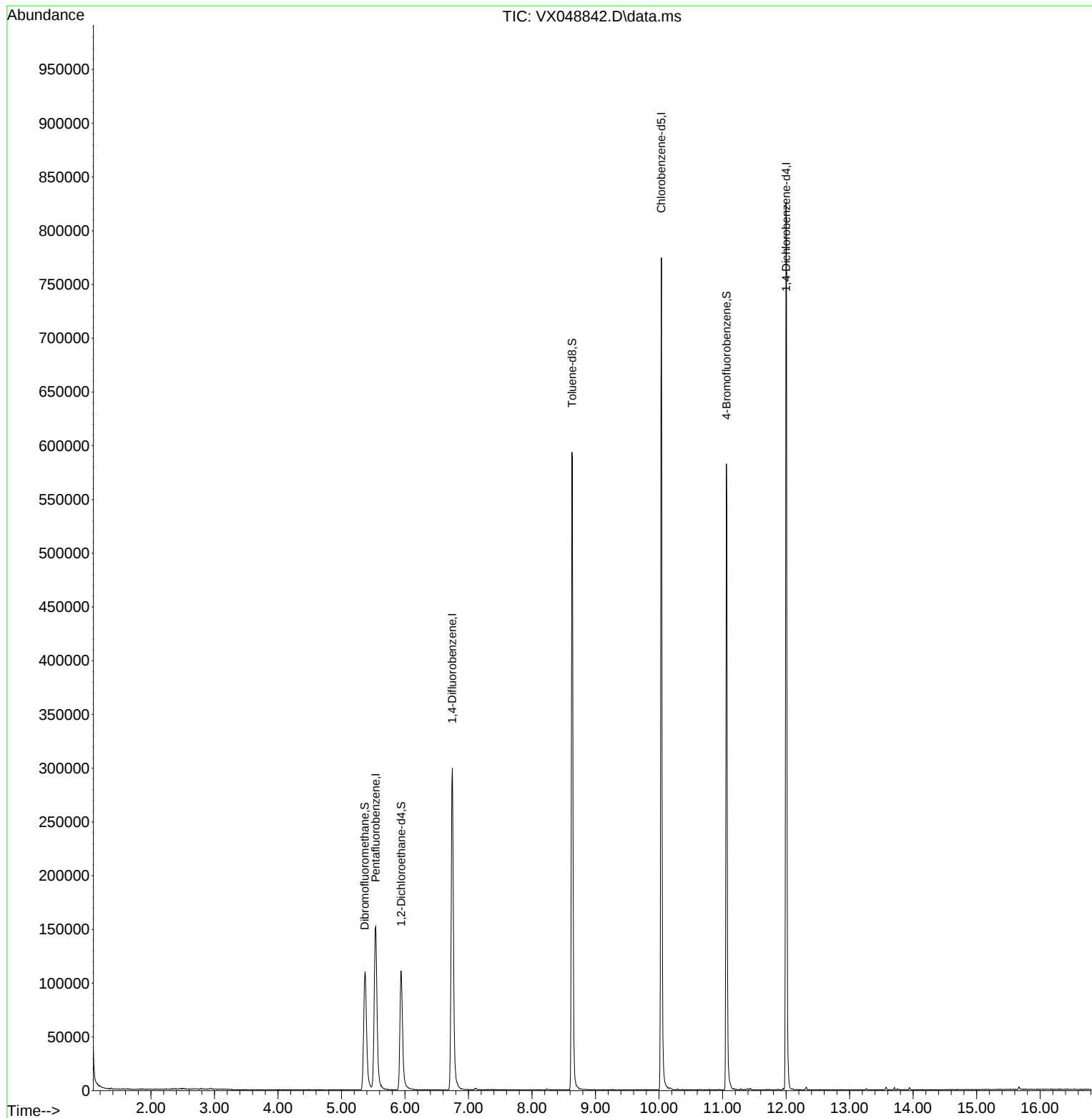
Target Compounds	Qvalue

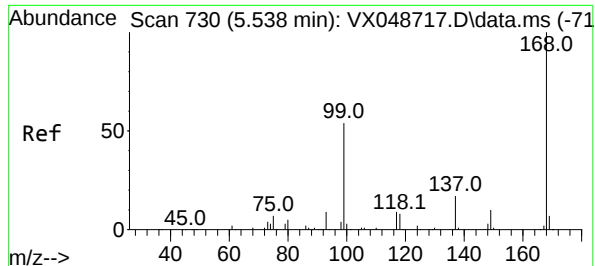
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
Data File : VX048842.D
Acq On : 12 Dec 2025 10:31
Operator : JC/MD
Sample : VX1212WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL01

Quant Time: Dec 12 22:08:54 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

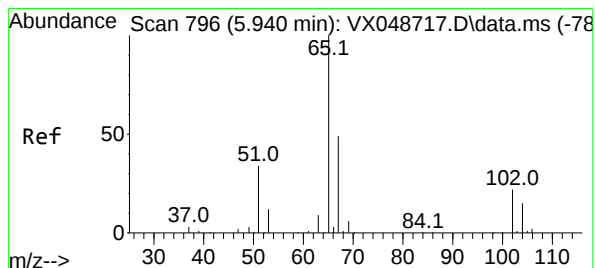
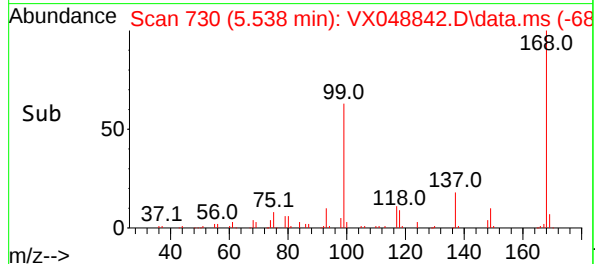
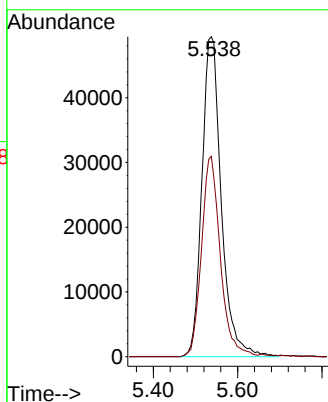
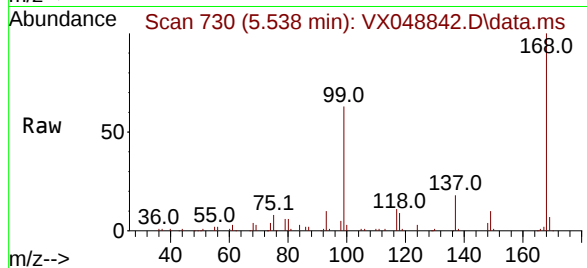




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048842.D
Acq: 12 Dec 2025 10:31

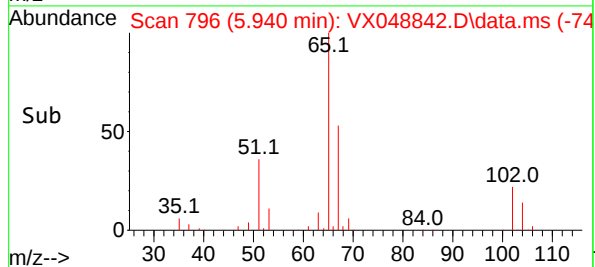
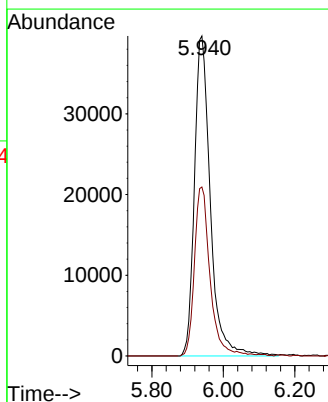
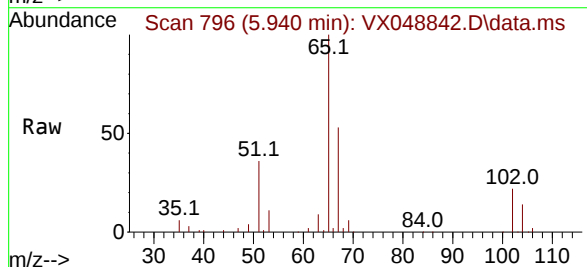
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL01

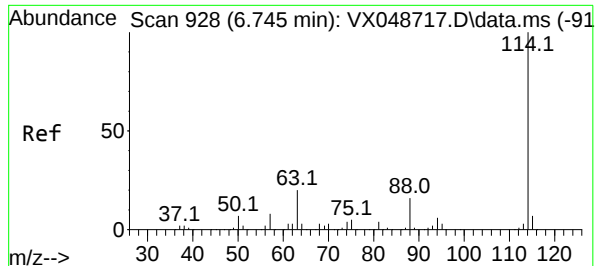
Tgt Ion:168 Resp: 157967
Ion Ratio Lower Upper
168 100
99 62.6 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 57.694 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048842.D
Acq: 12 Dec 2025 10:31

Tgt Ion: 65 Resp: 122324
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048842.D

Acq: 12 Dec 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL01

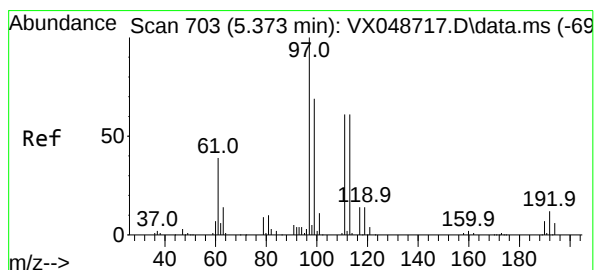
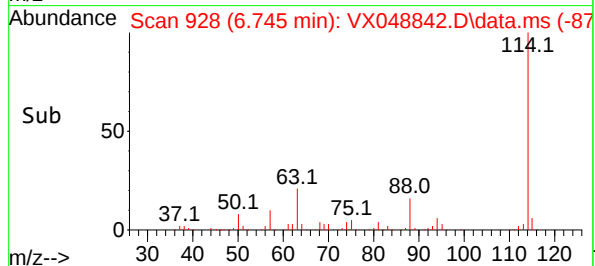
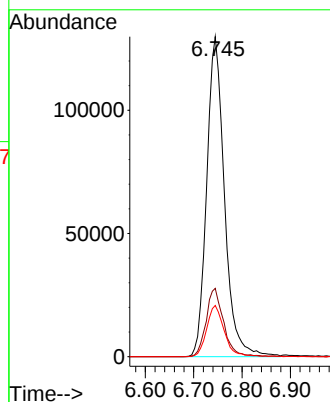
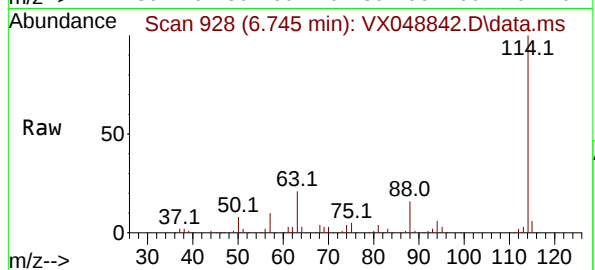
Tgt Ion:114 Resp: 331453

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.0

88 16.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.630 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX048842.D

Acq: 12 Dec 2025 10:31

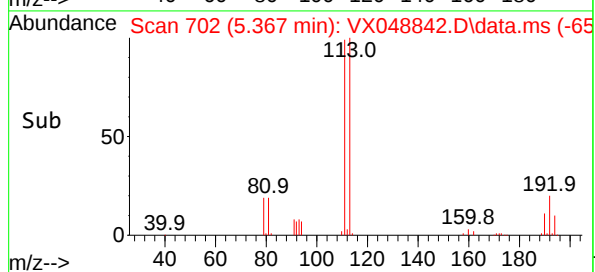
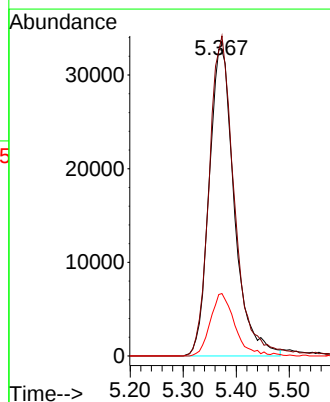
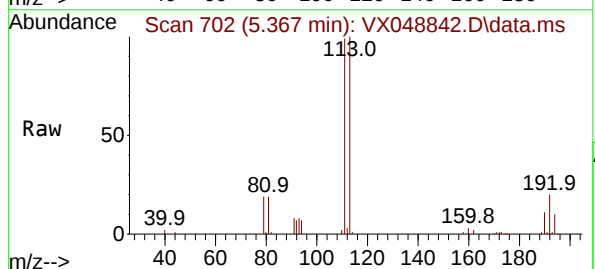
Tgt Ion:113 Resp: 108700

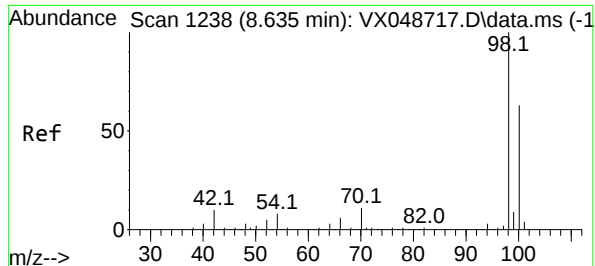
Ion Ratio Lower Upper

113 100

111 104.3 79.5 119.3

192 19.6 16.1 24.1





#50

Toluene-d8

Concen: 47.757 ug/l

RT: 8.628 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX048842.D

Acq: 12 Dec 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

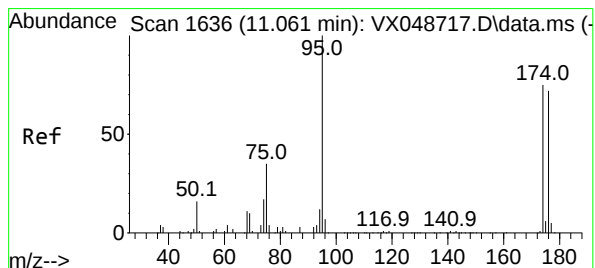
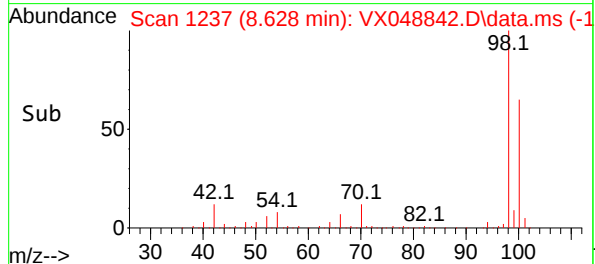
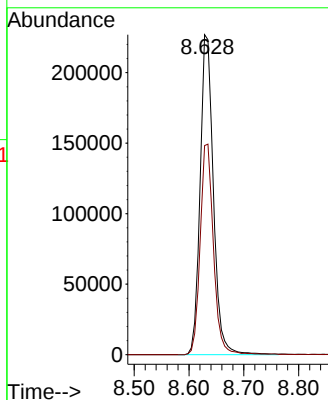
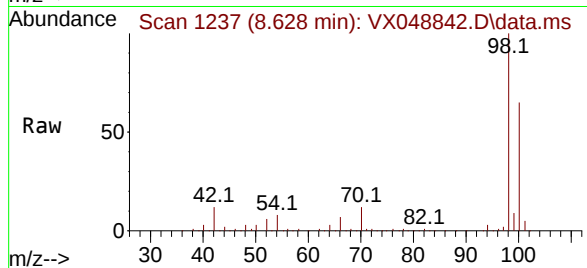
VX1212WBL01

Tgt Ion: 98 Resp: 382048

Ion Ratio Lower Upper

98 100

100 66.1 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 60.163 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048842.D

Acq: 12 Dec 2025 10:31

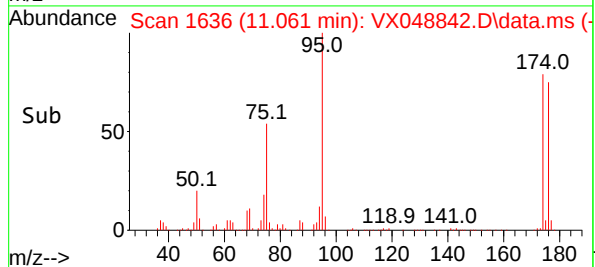
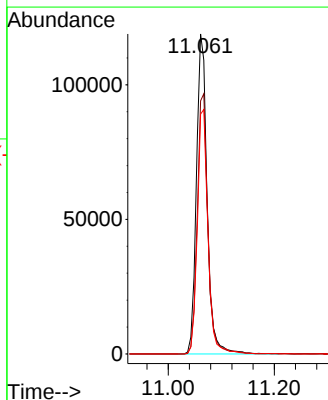
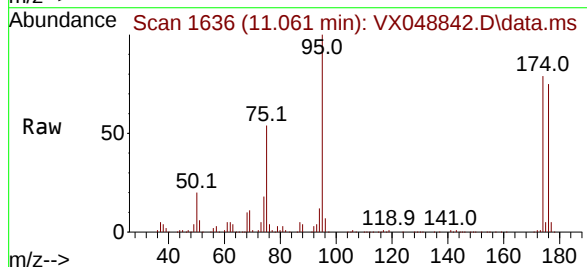
Tgt Ion: 95 Resp: 165963

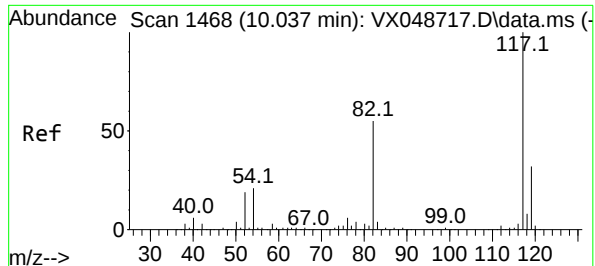
Ion Ratio Lower Upper

95 100

174 81.8 0.0 157.8

176 76.5 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: VX048842.D

Acq: 12 Dec 2025 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL01

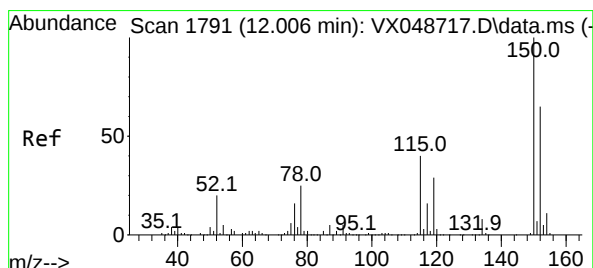
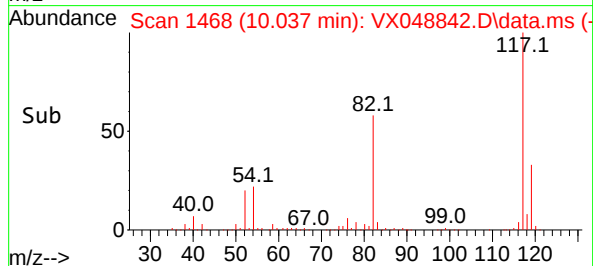
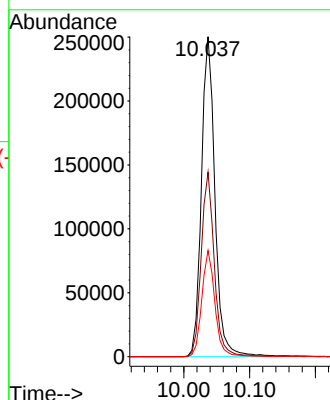
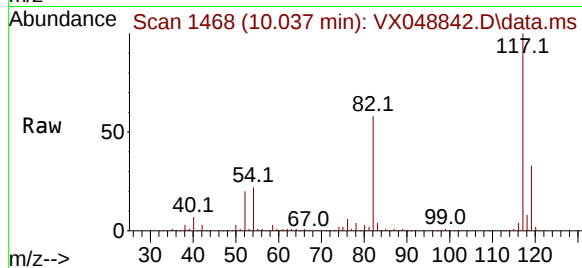
Tgt Ion:117 Resp: 357991

Ion Ratio Lower Upper

117 100

82 57.6 44.1 66.1

119 33.2 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.000 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VX048842.D

Acq: 12 Dec 2025 10:31

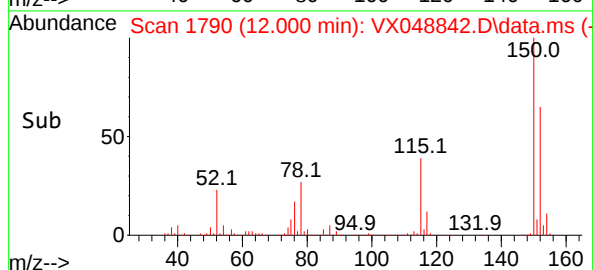
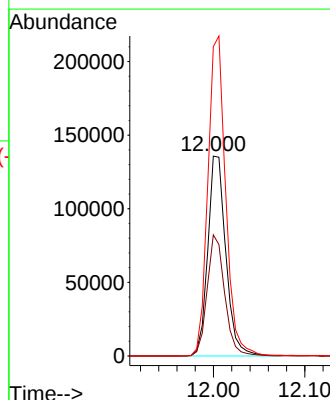
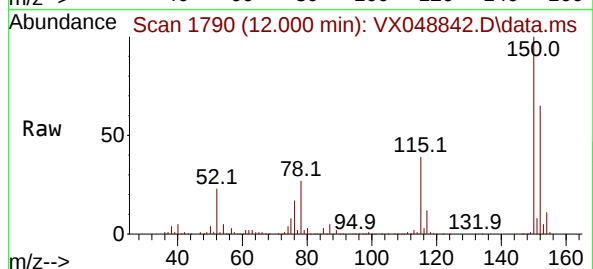
Tgt Ion:152 Resp: 186392

Ion Ratio Lower Upper

152 100

115 58.9 42.1 126.4

150 158.1 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
 Data File : VX048825.D
 Acq On : 11 Dec 2025 14:31
 Operator : JC/MD
 Sample : VX1211WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBS01

Manual Integrations APPROVED

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

Quant Time: Dec 11 23:49:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	197059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	327688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	146374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	148158	56.017	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.040%			
35) Dibromofluoromethane	5.367	113	123107	54.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.120%			
50) Toluene-d8	8.629	98	419089	52.990	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.980%			
62) 4-Bromofluorobenzene	11.061	95	150623	55.229	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	42030	20.933	ug/l	98
3) Chloromethane	1.301	50	42135	16.630	ug/l	98
4) Vinyl Chloride	1.380	62	44970	16.666	ug/l	99
5) Bromomethane	1.618	94	32820	19.682	ug/l	99
6) Chloroethane	1.697	64	27715	16.503	ug/l	96
7) Trichlorofluoromethane	1.898	101	65765	17.005	ug/l	93
8) Diethyl Ether	2.136	74	24779	16.053	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	38440	17.145	ug/l	99
10) Methyl Iodide	2.453	142	54613	17.110	ug/l	99
11) Tert butyl alcohol	2.928	59	18222	42.673	ug/l	98
12) 1,1-Dichloroethene	2.325	96	38362	16.765	ug/l	94
13) Acrolein	2.233	56	16542	73.852	ug/l	100
14) Allyl chloride	2.666	41	69062	17.976	ug/l	97
15) Acrylonitrile	3.050	53	90782	68.228	ug/l	99
16) Acetone	2.367	43	54892	54.213	ug/l	99
17) Carbon Disulfide	2.514	76	105901	15.936	ug/l	99
18) Methyl Acetate	2.697	43	38307	13.447	ug/l	98
19) Methyl tert-butyl Ether	3.099	73	128684	17.280	ug/l	99
20) Methylene Chloride	2.788	84	45763	18.082	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	41888	17.936	ug/l	92
22) Diisopropyl ether	3.745	45	146109	20.349	ug/l	96
23) Vinyl Acetate	3.709	43	547362	90.727	ug/l	98
24) 1,1-Dichloroethane	3.599	63	78467	19.598	ug/l	100
25) 2-Butanone	4.532	43	91398	61.161	ug/l	97
26) 2,2-Dichloropropane	4.459	77	65419	18.465	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	50178	19.040	ug/l	95
28) Bromochloromethane	4.879	49	34087	17.369	ug/l	89
29) Tetrahydrofuran	4.983	42	62063	54.390	ug/l	96
30) Chloroform	5.074	83	83761	19.524	ug/l	98
31) Cyclohexane	5.458	56	61602	17.232	ug/l	98
32) 1,1,1-Trichloroethane	5.361	97	70879	18.439	ug/l	98
36) 1,1-Dichloropropene	5.672	75	50442	16.323	ug/l	99
37) Ethyl Acetate	4.690	43	43514	11.784	ug/l	99
38) Carbon Tetrachloride	5.660	117	60156	17.186	ug/l	99
39) Methylcyclohexane	7.360	83	59327	16.236	ug/l	97
40) Benzene	6.019	78	168656	18.410	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
 Data File : VX048825.D
 Acq On : 11 Dec 2025 14:31
 Operator : JC/MD
 Sample : VX1211WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBS01

Quant Time: Dec 11 23:49:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	24820	14.773	ug/l	95
42) 1,2-Dichloroethane	6.068	62	60127	18.544	ug/l	98
43) Isopropyl Acetate	6.318	43	78902	14.111	ug/l	97
44) Trichloroethene	7.104	130	41171	17.224	ug/l	97
45) 1,2-Dichloropropane	7.415	63	43537	19.014	ug/l	99
46) Dibromomethane	7.562	93	30626	17.638	ug/l	98
47) Bromodichloromethane	7.805	83	66162	18.276	ug/l	99
48) Methyl methacrylate	7.677	41	38952	13.849	ug/l	96
49) 1,4-Dioxane	7.641	88	8292	214.358	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	223111	64.287	ug/l	97
52) Toluene	8.702	92	104867	18.983	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	63009	18.295	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	71682	19.366	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	39991	17.992	ug/l	98
56) Ethyl methacrylate	9.098	69	56238	16.165	ug/l	99
57) 1,3-Dichloropropane	9.287	76	66673	18.040	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	161504	85.889	ug/l	98
59) 2-Hexanone	9.409	43	145855	59.868	ug/l	97
60) Dibromochloromethane	9.500	129	50823	18.492	ug/l	98
61) 1,2-Dibromoethane	9.592	107	40972	17.032	ug/l	99
64) Tetrachloroethene	9.256	164	34265	15.743	ug/l	98
65) Chlorobenzene	10.061	112	116939	17.891	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	41672	17.825	ug/l	99
67) Ethyl Benzene	10.177	91	193320	18.125	ug/l	98
68) m/p-Xylenes	10.281	106	146531	35.269	ug/l	100
69) o-Xylene	10.622	106	70674	18.154	ug/l	99
70) Styrene	10.634	104	123140	18.425	ug/l	99
71) Bromoform	10.781	173	31663	15.171	ug/l #	100
73) Isopropylbenzene	10.945	105	182580	18.510	ug/l	99
74) N-amyl acetate	10.823	43	68777	16.047	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	50263	15.102	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	45076m	16.534	ug/l	
77) Bromobenzene	11.177	156	47902	18.195	ug/l	99
78) n-propylbenzene	11.287	91	213756	18.711	ug/l	100
79) 2-Chlorotoluene	11.348	91	129149	18.539	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	151165	18.644	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	15482	13.489	ug/l #	82
82) 4-Chlorotoluene	11.433	91	152592	18.770	ug/l	100
83) tert-Butylbenzene	11.695	119	152114	18.056	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	153686	18.791	ug/l	99
85) sec-Butylbenzene	11.872	105	185721	18.190	ug/l	100
86) p-Isopropyltoluene	11.988	119	156080	17.884	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	86544	17.832	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	88704	17.686	ug/l	99
89) n-Butylbenzene	12.311	91	140752	17.225	ug/l	99
90) Hexachloroethane	12.518	117	29995	16.839	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	82670	17.569	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	9177	11.330	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	51944	16.715	ug/l	99
94) Hexachlorobutadiene	13.707	225	19807	15.408	ug/l	98
95) Naphthalene	13.756	128	135066	16.521	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	47733	16.655	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
Data File : VX048825.D
Acq On : 11 Dec 2025 14:31
Operator : JC/MD
Sample : VX1211WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 11 23:49:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Manual Integrations
APPROVED

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

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

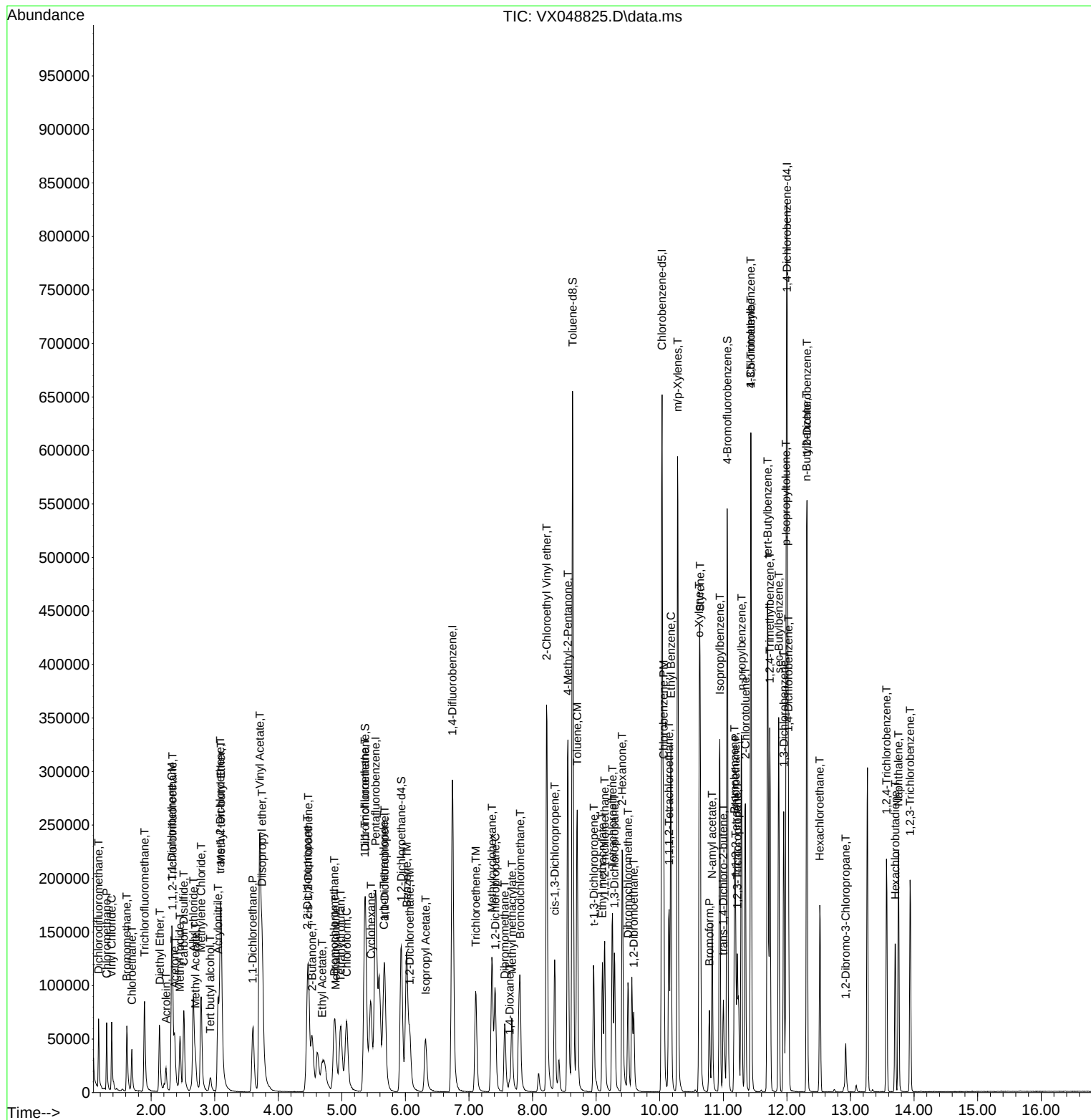
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
Data File : VX048825.D
Acq On : 11 Dec 2025 14:31
Operator : JC/MD
Sample : VX1211WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBS01

Manual Integrations APPROVED

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

Quant Time: Dec 11 23:49:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048843.D
 Acq On : 12 Dec 2025 10:52
 Operator : JC/MD
 Sample : VX1212WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/16/2025
 Supervised By :Semsettin Yesilyurt 12/16/2025

Quant Time: Dec 12 22:09:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	146797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	247822	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	232443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121851	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.934	65	118663	60.226	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 120.460%#	
35) Dibromofluoromethane	5.367	113	96398	56.494	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.980%	
50) Toluene-d8	8.629	98	332830	55.645	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 111.300%	
62) 4-Bromofluorobenzene	11.061	95	124546	60.385	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 120.760%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	33486	22.388	ug/l	100
3) Chloromethane	1.301	50	36390	19.280	ug/l	97
4) Vinyl Chloride	1.380	62	36399	18.108	ug/l	99
5) Bromomethane	1.618	94	27718	22.314	ug/l	96
6) Chloroethane	1.697	64	23654	18.908	ug/l	98
7) Trichlorofluoromethane	1.898	101	55831	19.379	ug/l	99
8) Diethyl Ether	2.130	74	21596	18.781	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	30852	18.473	ug/l	98
10) Methyl Iodide	2.453	142	44770	18.829	ug/l	95
11) Tert butyl alcohol	2.941	59	13870	43.602	ug/l	98
12) 1,1-Dichloroethene	2.325	96	30789	18.062	ug/l	96
13) Acrolein	2.233	56	22435	101.486	ug/l	96
14) Allyl chloride	2.666	41	59812	20.899	ug/l	96
15) Acrylonitrile	3.056	53	71257	71.890	ug/l	98
16) Acetone	2.374	43	42945	56.936	ug/l	98
17) Carbon Disulfide	2.514	76	86753	17.525	ug/l	100
18) Methyl Acetate	2.697	43	31147	14.677	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	106158	19.136	ug/l	94
20) Methylene Chloride	2.788	84	37828	20.065	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	33578	19.300	ug/l	97
22) Diisopropyl ether	3.751	45	124793	23.331	ug/l	86
23) Vinyl Acetate	3.715	43	445259	99.073	ug/l	97
24) 1,1-Dichloroethane	3.599	63	67542	22.645	ug/l	99
25) 2-Butanone	4.544	43	70706	63.515	ug/l	90
26) 2,2-Dichloropropane	4.465	77	54484	20.645	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	41827	21.305	ug/l	95
28) Bromochloromethane	4.885	49	27185	18.595	ug/l	85
29) Tetrahydrofuran	4.995	42	48328	56.854	ug/l	90
30) Chloroform	5.080	83	69412	21.719	ug/l	100
31) Cyclohexane	5.458	56	48476	18.204	ug/l	91
32) 1,1,1-Trichloroethane	5.367	97	58953	20.587	ug/l	96
36) 1,1-Dichloropropene	5.678	75	42199	18.056	ug/l	100
37) Ethyl Acetate	4.702	43	36231	12.974	ug/l	99
38) Carbon Tetrachloride	5.666	117	51562	19.478	ug/l	91
39) Methylcyclohexane	7.367	83	47252	17.098	ug/l	97
40) Benzene	6.025	78	144242	20.820	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048843.D
 Acq On : 12 Dec 2025 10:52
 Operator : JC/MD
 Sample : VX1212WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/16/2025
 Supervised By :Semsettin Yesilyurt 12/16/2025

Quant Time: Dec 12 22:09:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	20900	16.449	ug/l	91
42) 1,2-Dichloroethane	6.068	62	51924	21.175	ug/l	96
43) Isopropyl Acetate	6.324	43	61866	14.630	ug/l	96
44) Trichloroethene	7.111	130	35903	19.861	ug/l	96
45) 1,2-Dichloropropane	7.409	63	37235	21.503	ug/l	98
46) Dibromomethane	7.568	93	25187	19.180	ug/l	97
47) Bromodichloromethane	7.806	83	56150	20.509	ug/l	99
48) Methyl methacrylate	7.677	41	31313	14.721	ug/l	96
49) 1,4-Dioxane	7.641	88	5851	200.001	ug/l #	90
51) 4-Methyl-2-Pentanone	8.555	43	174833	66.611	ug/l	96
52) Toluene	8.702	92	86760	20.767	ug/l	95
53) t-1,3-Dichloropropene	8.964	75	53062	20.372	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	60405	21.579	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	33086	19.683	ug/l	99
56) Ethyl methacrylate	9.098	69	45468	17.281	ug/l	97
57) 1,3-Dichloropropane	9.293	76	56755	20.305	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	111133	78.148	ug/l	98
59) 2-Hexanone	9.415	43	113766	61.746	ug/l	97
60) Dibromochloromethane	9.506	129	42164	20.285	ug/l	98
61) 1,2-Dibromoethane	9.592	107	34249	18.825	ug/l	99
64) Tetrachloroethene	9.256	164	29079	17.163	ug/l	98
65) Chlorobenzene	10.061	112	99056	19.469	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	36195	19.889	ug/l	98
67) Ethyl Benzene	10.177	91	163947	19.747	ug/l	98
68) m/p-Xylenes	10.287	106	125639	38.849	ug/l	100
69) o-Xylene	10.622	106	60618	20.003	ug/l	99
70) Styrene	10.634	104	105964	20.368	ug/l	100
71) Bromoform	10.781	173	26201	16.127	ug/l #	99
73) Isopropylbenzene	10.945	105	153085	18.643	ug/l	99
74) N-amyl acetate	10.823	43	54816	15.364	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	42203	15.232	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	35964m	15.847	ug/l	
77) Bromobenzene	11.177	156	40775	18.605	ug/l	99
78) n-propylbenzene	11.287	91	180085	18.936	ug/l	100
79) 2-Chlorotoluene	11.348	91	112806	19.452	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	127537	18.896	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	12034	12.595	ug/l	97
82) 4-Chlorotoluene	11.433	91	132535	19.584	ug/l	99
83) tert-Butylbenzene	11.695	119	126525	18.041	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	128461	18.868	ug/l	99
85) sec-Butylbenzene	11.872	105	155059	18.243	ug/l	99
86) p-Isopropyltoluene	11.988	119	133578	18.386	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	75606	18.713	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	77514	18.566	ug/l	99
89) n-Butylbenzene	12.311	91	120689	17.742	ug/l	99
90) Hexachloroethane	12.518	117	26148	17.634	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	73224	18.694	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7324	10.862	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	45113	17.438	ug/l	97
94) Hexachlorobutadiene	13.707	225	17666	16.509	ug/l	99
95) Naphthalene	13.756	128	112946	16.599	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	41792	17.517	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
Data File : VX048843.D
Acq On : 12 Dec 2025 10:52
Operator : JC/MD
Sample : VX1212WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/16/2025
Supervised By :Semsettin Yesilyurt 12/16/2025

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 12 22:09:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

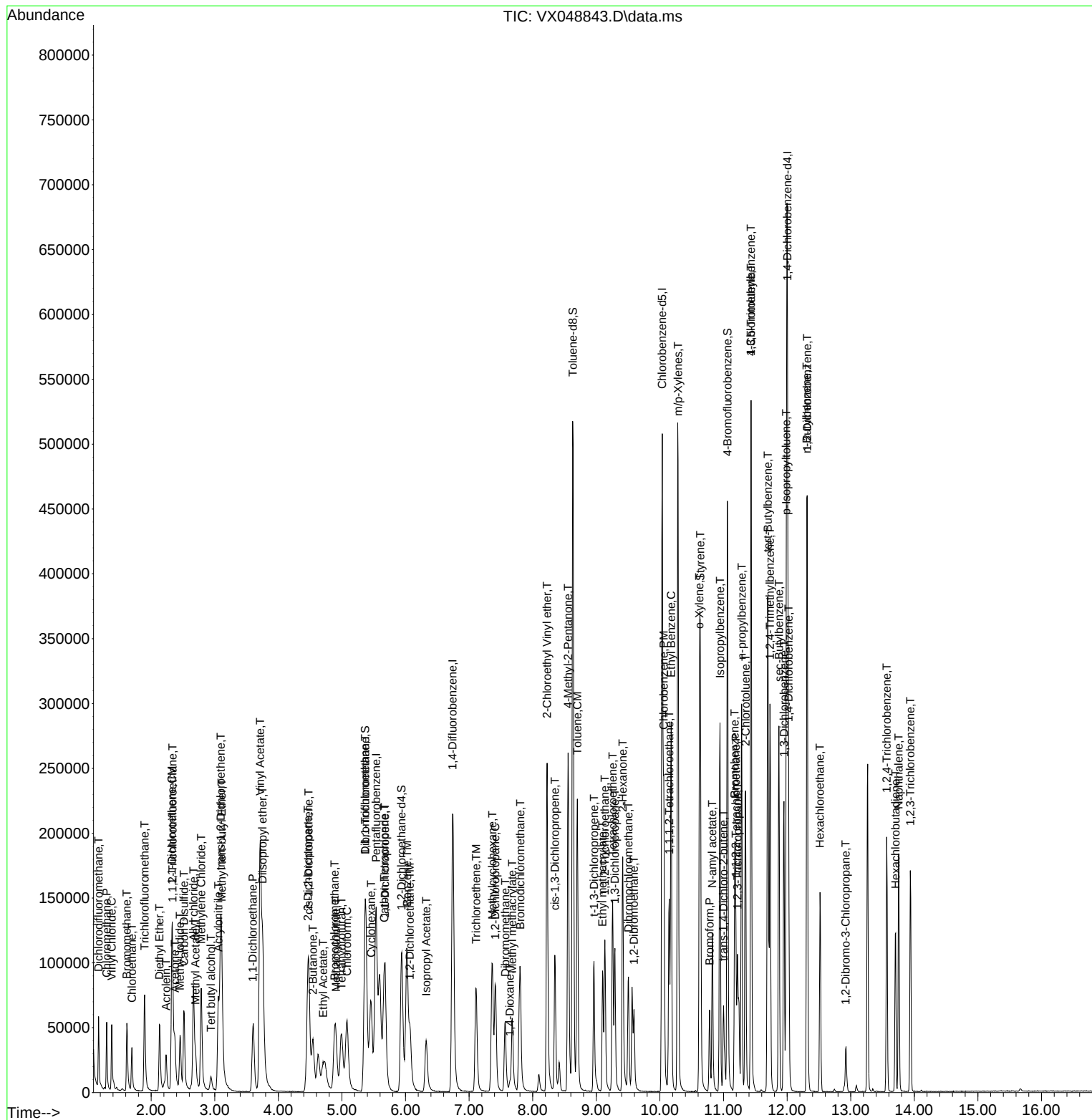
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/16/2025
Supervised By :Semsettin Yesilyurt 12/16/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
 Data File : VX048826.D
 Acq On : 11 Dec 2025 14:52
 Operator : JC/MD
 Sample : VX1211WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBSD01

Manual Integrations APPROVED

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

Quant Time: Dec 11 23:51:14 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	160103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	261734	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	237436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119141	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.940	65	113915	53.011	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.020%	
35) Dibromofluoromethane	5.373	113	95847	53.185	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.380%	
50) Toluene-d8	8.635	98	335601	53.126	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.260%	
62) 4-Bromofluorobenzene	11.061	95	121172	55.626	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.260%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.172	85	40035	24.542	ug/l	98
3) Chloromethane	1.300	50	38998	18.945	ug/l	98
4) Vinyl Chloride	1.380	62	40810	18.615	ug/l	97
5) Bromomethane	1.624	94	29928	22.090	ug/l	94
6) Chloroethane	1.697	64	25050	18.359	ug/l	91
7) Trichlorofluoromethane	1.898	101	63006	20.052	ug/l	97
8) Diethyl Ether	2.136	74	22635	18.049	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	37576	20.629	ug/l	98
10) Methyl Iodide	2.459	142	50770	19.578	ug/l	97
11) Tert butyl alcohol	2.934	59	17938	51.704	ug/l	99
12) 1,1-Dichloroethene	2.325	96	35713	19.210	ug/l	97
13) Acrolein	2.233	56	16471	81.447	ug/l	100
14) Allyl chloride	2.666	41	62321	19.966	ug/l	97
15) Acrylonitrile	3.056	53	82450	76.270	ug/l	99
16) Acetone	2.373	43	52925	64.336	ug/l	99
17) Carbon Disulfide	2.520	76	98947	18.327	ug/l	99
18) Methyl Acetate	2.697	43	35863	15.495	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	119082	19.682	ug/l	98
20) Methylene Chloride	2.788	84	42556	20.696	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	39199	20.659	ug/l	95
22) Diisopropyl ether	3.751	45	133631	22.907	ug/l	95
23) Vinyl Acetate	3.715	43	509926	104.032	ug/l	97
24) 1,1-Dichloroethane	3.605	63	72486	22.283	ug/l	98
25) 2-Butanone	4.538	43	88252	72.688	ug/l	96
26) 2,2-Dichloropropane	4.465	77	61037	21.205	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	45861	21.419	ug/l	96
28) Bromochloromethane	4.885	49	30034	18.837	ug/l	87
29) Tetrahydrofuran	4.989	42	63082	68.044	ug/l	92
30) Chloroform	5.080	83	76037	21.815	ug/l	98
31) Cyclohexane	5.458	56	60736	20.912	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	65989	21.129	ug/l	95
36) 1,1-Dichloropropene	5.678	75	50087	20.292	ug/l	98
37) Ethyl Acetate	4.702	43	43396	14.714	ug/l #	89
38) Carbon Tetrachloride	5.659	117	58437	20.901	ug/l	90
39) Methylcyclohexane	7.366	83	59182	20.277	ug/l	98
40) Benzene	6.025	78	156334	21.365	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
 Data File : VX048826.D
 Acq On : 11 Dec 2025 14:52
 Operator : JC/MD
 Sample : VX1211WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 23:51:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	24183	18.021	ug/l	92
42) 1,2-Dichloroethane	6.074	62	56313	21.744	ug/l	97
43) Isopropyl Acetate	6.324	43	75593	16.926	ug/l	97
44) Trichloroethene	7.110	130	39904	20.901	ug/l	98
45) 1,2-Dichloropropane	7.415	63	40471	22.129	ug/l	98
46) Dibromomethane	7.568	93	28046	20.222	ug/l	97
47) Bromodichloromethane	7.805	83	61965	21.430	ug/l	95
48) Methyl methacrylate	7.677	41	37658	16.762	ug/l	99
49) 1,4-Dioxane	7.641	88	8294	268.439	ug/l #	95
51) 4-Methyl-2-Pentanone	8.555	43	221144	79.777	ug/l	97
52) Toluene	8.702	92	98783	22.388	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	60552	22.012	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	66454	22.478	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	38624	21.756	ug/l	96
56) Ethyl methacrylate	9.098	69	55481	19.966	ug/l	99
57) 1,3-Dichloropropane	9.293	76	64370	21.805	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	152432	101.492	ug/l	98
59) 2-Hexanone	9.415	43	146314	75.190	ug/l	99
60) Dibromochloromethane	9.506	129	47935	21.836	ug/l	100
61) 1,2-Dibromoethane	9.592	107	39878	20.754	ug/l	100
64) Tetrachloroethene	9.256	164	34525	19.949	ug/l	97
65) Chlorobenzene	10.061	112	109450	21.059	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	39849	21.437	ug/l	98
67) Ethyl Benzene	10.177	91	184045	21.702	ug/l	96
68) m/p-Xylenes	10.287	106	144314	43.685	ug/l	97
69) o-Xylene	10.622	106	67799	21.902	ug/l	99
70) Styrene	10.640	104	117571	22.124	ug/l	100
71) Bromoform	10.780	173	30772	18.542	ug/l #	99
73) Isopropylbenzene	10.945	105	178068	22.179	ug/l	99
74) N-amyl acetate	10.823	43	67296	19.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	49216	18.167	ug/l	97
76) 1,2,3-Trichloropropane	11.219	75	43676m	19.682	ug/l	
77) Bromobenzene	11.177	156	46427	21.665	ug/l	98
78) n-propylbenzene	11.287	91	208333	22.404	ug/l	100
79) 2-Chlorotoluene	11.347	91	123694	21.815	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	143995	21.819	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	15300	16.378	ug/l	97
82) 4-Chlorotoluene	11.439	91	145108	21.930	ug/l	100
83) tert-Butylbenzene	11.695	119	146671	21.389	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	147850	22.209	ug/l	99
85) sec-Butylbenzene	11.872	105	183139	22.037	ug/l	99
86) p-Isopropyltoluene	11.988	119	155628	21.908	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	82986	21.007	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	84424	20.680	ug/l	97
89) n-Butylbenzene	12.311	91	141441	21.266	ug/l	99
90) Hexachloroethane	12.518	117	29787	20.545	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	79235	20.688	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	9139	13.862	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	51786	20.473	ug/l	100
94) Hexachlorobutadiene	13.707	225	21443	20.494	ug/l	98
95) Naphthalene	13.756	128	138387	20.900	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	48089	20.615	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
Data File : VX048826.D
Acq On : 11 Dec 2025 14:52
Operator : JC/MD
Sample : VX1211WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 11 23:51:14 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 :
VX1211WBSD01

Manual Integrations
APPROVED

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

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

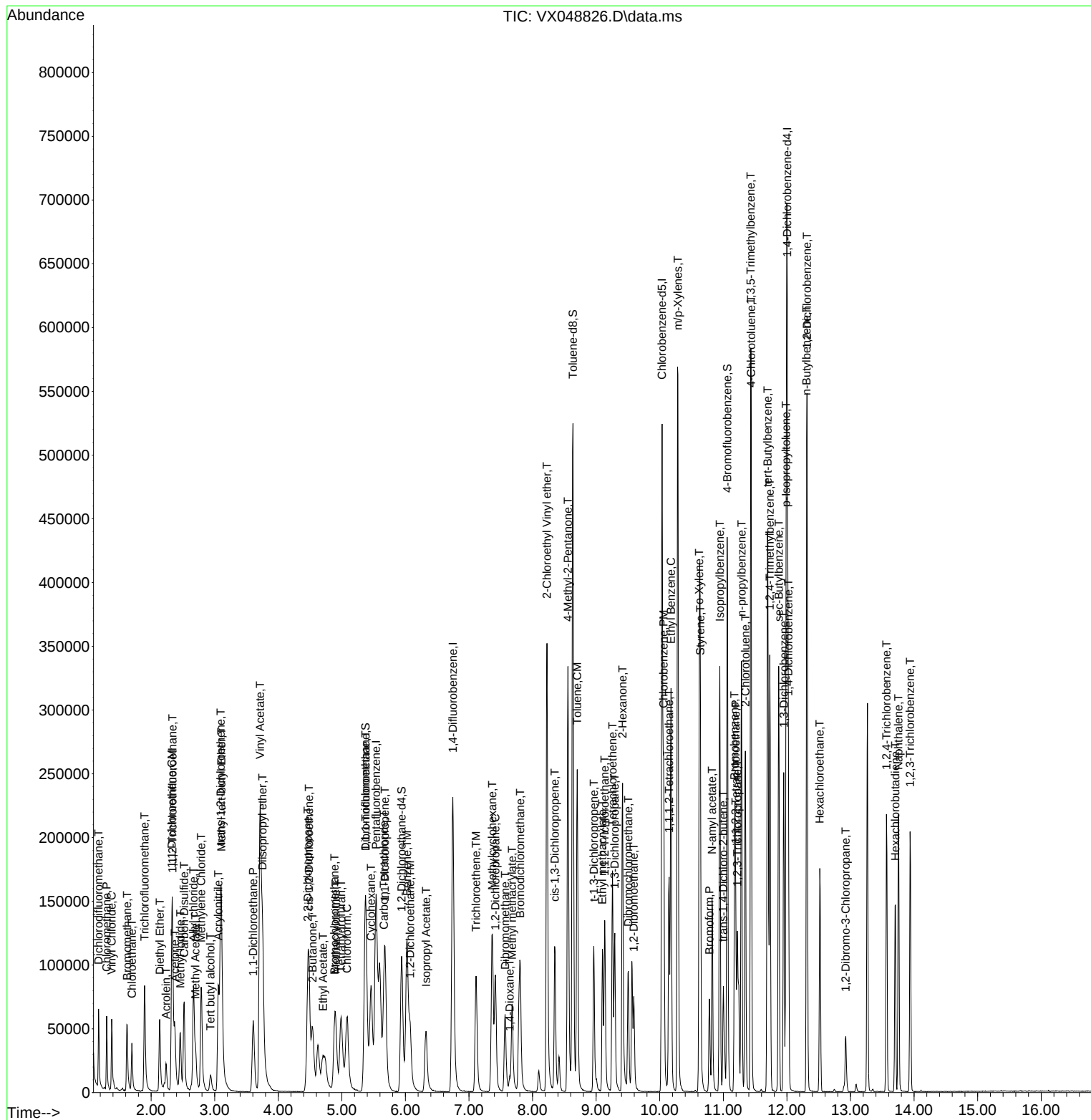
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\  
Data File : VX048826.D  
Acq On    : 11 Dec 2025  14:52  
Operator  : JC/MD  
Sample    : VX1211WBSD01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 6      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBSD01

Manual Integrations APPROVED

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

Quant Time: Dec 11 23:51:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VX120425	Instrument	MSVOA_x
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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:

VX121125

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048822.D	1,2,3-Trichloropropane	JOHN	12/12/2025 8:39:01 AM	MMDadoda	12/12/2025 11:46:17 AM	Peak Integrated by Software
VX1211WBS01	VX048825.D	1,2,3-Trichloropropane	JOHN	12/12/2025 8:39:06 AM	MMDadoda	12/12/2025 11:46:20 AM	Peak Integrated by Software
VX1211WBSD0 1	VX048826.D	1,2,3-Trichloropropane	JOHN	12/12/2025 8:39:10 AM	MMDadoda	12/12/2025 11:46:24 AM	Peak Integrated by Software
VSTDCCC050	VX048838.D	1,2,3-Trichloropropane	JOHN	12/12/2025 8:39:15 AM	MMDadoda	12/12/2025 11:46:28 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX121225

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048840.D	1,2,3-Trichloropropane	MMDadoda	12/16/2025 1:08:23 PM	sam	12/16/2025 3:05:52 PM	Peak Integrated by Software
VX1212WBS01	VX048843.D	1,2,3-Trichloropropane	MMDadoda	12/16/2025 1:08:27 PM	sam	12/16/2025 3:05:57 PM	Peak Integrated by Software
VSTDCCC050	VX048864.D	1,2,3-Trichloropropane	MMDadoda	12/16/2025 1:08:34 PM	sam	12/16/2025 3:06:07 PM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX120425

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048713.D	04 Dec 2025 08:15	JC/MD	Ok
2	VSTDIC001	VX048714.D	04 Dec 2025 08:47	JC/MD	Ok,M
3	VSTDIC005	VX048715.D	04 Dec 2025 09:16	JC/MD	Ok,M
4	VSTDIC020	VX048716.D	04 Dec 2025 09:36	JC/MD	Ok,M
5	VSTDIC050	VX048717.D	04 Dec 2025 09:57	JC/MD	Ok,M
6	VSTDIC100	VX048718.D	04 Dec 2025 10:17	JC/MD	Ok,M
7	VSTDIC150	VX048719.D	04 Dec 2025 10:38	JC/MD	Ok,M
8	IBLK	VX048720.D	04 Dec 2025 10:58	JC/MD	Ok
9	VSTDICV050	VX048721.D	04 Dec 2025 14:04	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX121125

Review By	John Carlone	Review On	12/12/2025 8:45:14 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/12/2025 11:46:33 AM		
SubDirectory	VX121125	HP Acquire Method	MSVOA_X	HP Processing Method	82X120425W.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP136631			
CCC		VP136632,VP136633			
Internal Standard/PEM		VP136145			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048821.D	11 Dec 2025 12:08	JC/MD	Ok
2	VSTDCCC050	VX048822.D	11 Dec 2025 13:02	JC/MD	Ok,M
3	VX1211MBL01	VX048823.D	11 Dec 2025 13:31	JC/MD	Ok
4	VX1211WBL01	VX048824.D	11 Dec 2025 14:06	JC/MD	Ok
5	VX1211WBS01	VX048825.D	11 Dec 2025 14:31	JC/MD	Ok,M
6	VX1211WBSD01	VX048826.D	11 Dec 2025 14:52	JC/MD	Ok,M
7	Q3828-08	VX048827.D	11 Dec 2025 15:37	JC/MD	Ok
8	Q3828-09	VX048828.D	11 Dec 2025 15:58	JC/MD	Ok
9	Q3835-06	VX048829.D	11 Dec 2025 16:19	JC/MD	Ok
10	Q3835-01	VX048830.D	11 Dec 2025 16:39	JC/MD	Dilution
11	Q3835-02	VX048831.D	11 Dec 2025 17:00	JC/MD	ReRun
12	Q3835-04	VX048832.D	11 Dec 2025 17:21	JC/MD	Dilution
13	Q3835-05	VX048833.D	11 Dec 2025 17:42	JC/MD	ReRun
14	Q3828-01	VX048834.D	11 Dec 2025 18:02	JC/MD	Not Ok
15	Q3828-03	VX048835.D	11 Dec 2025 18:23	JC/MD	Not Ok
16	Q3828-05	VX048836.D	11 Dec 2025 18:44	JC/MD	Dilution
17	Q3828-06	VX048837.D	11 Dec 2025 19:05	JC/MD	ReRun
18	VSTDCCC050	VX048838.D	11 Dec 2025 19:25	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX121225

Review By	Mahesh Dadoda	Review On	12/16/2025 1:08:47 PM
Supervise By	Semsettin Yesilyurt	Supervise On	12/16/2025 3:06:43 PM
SubDirectory	VX121225	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136634		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136635,VP136636		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048839.D	12 Dec 2025 08:44	JC/MD	Ok
2	VSTDCCC050	VX048840.D	12 Dec 2025 09:12	JC/MD	Ok,M
3	VX1212MBL01	VX048841.D	12 Dec 2025 10:09	JC/MD	Ok
4	VX1212WBL01	VX048842.D	12 Dec 2025 10:31	JC/MD	Ok
5	VX1212WBS01	VX048843.D	12 Dec 2025 10:52	JC/MD	Ok,M
6	VX1212WBSD01	VX048844.D	12 Dec 2025 11:20	JC/MD	Ok,M
7	Q3848-01	VX048845.D	12 Dec 2025 11:42	JC/MD	Dilution
8	IBLK	VX048846.D	12 Dec 2025 12:04	JC/MD	Ok
9	Q3828-05DL	VX048847.D	12 Dec 2025 12:26	JC/MD	Ok
10	Q3835-01DL	VX048848.D	12 Dec 2025 12:48	JC/MD	Ok
11	Q3835-04DL	VX048849.D	12 Dec 2025 13:09	JC/MD	Ok
12	Q3828-01	VX048850.D	12 Dec 2025 13:31	JC/MD	Ok
13	Q3828-03	VX048851.D	12 Dec 2025 13:53	JC/MD	Ok
14	Q3828-06	VX048852.D	12 Dec 2025 14:15	JC/MD	Ok
15	Q3835-02	VX048853.D	12 Dec 2025 14:36	JC/MD	ReRun
16	Q3835-05	VX048854.D	12 Dec 2025 14:58	JC/MD	Ok
17	Q3848-03	VX048855.D	12 Dec 2025 15:20	JC/MD	Dilution
18	Q3849-01	VX048856.D	12 Dec 2025 15:42	JC/MD	ReRun
19	Q3849-07	VX048857.D	12 Dec 2025 16:03	JC/MD	Dilution
20	Q3849-08	VX048858.D	12 Dec 2025 16:25	JC/MD	Dilution
21	Q3849-09	VX048859.D	12 Dec 2025 16:47	JC/MD	Dilution

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX121225

Review By	Mahesh Dadoda	Review On	12/16/2025 1:08:47 PM
Supervise By	Semsettin Yesilyurt	Supervise On	12/16/2025 3:06:43 PM
SubDirectory	VX121225	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136634		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136635,VP136636		

22	Q3849-11	VX048860.D	12 Dec 2025 17:09	JC/MD	ReRun
23	Q3848-01DL	VX048861.D	12 Dec 2025 17:31	JC/MD	Ok
24	Q3813-01	VX048862.D	12 Dec 2025 17:52	JC/MD	Not Ok
25	Q3826-12	VX048863.D	12 Dec 2025 18:14	JC/MD	Not Ok
26	VSTDCCC050	VX048864.D	12 Dec 2025 18:36	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#	Sampled	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 # VX121125

Review By	John Carlone	Review On	12/12/2025 8:45:14 AM
Supervise By	Maresh Dadoda	Supervise On	12/12/2025 11:46:33 AM
SubDirectory	VX121125	HP Acquire Method	MSVOA_X HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136631		
CCC	VP136632,VP136633		
Internal Standard/PEM	VP136145		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048821.D	11 Dec 2025 12:08		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048822.D	11 Dec 2025 13:02	pH#Lot#V12668	JC/MD	Ok,M
3	VX1211MBL01	VX1211MBL01	VX048823.D	11 Dec 2025 13:31		JC/MD	Ok
4	VX1211WBL01	VX1211WBL01	VX048824.D	11 Dec 2025 14:06		JC/MD	Ok
5	VX1211WBS01	VX1211WBS01	VX048825.D	11 Dec 2025 14:31		JC/MD	Ok,M
6	VX1211WBSD01	VX1211WBSD01	VX048826.D	11 Dec 2025 14:52		JC/MD	Ok,M
7	Q3828-08	FB01-120925	VX048827.D	11 Dec 2025 15:37	vial A pH<2 FB	JC/MD	Ok
8	Q3828-09	TB01-120925	VX048828.D	11 Dec 2025 15:58		JC/MD	Ok
9	Q3835-06	TB01-121025	VX048829.D	11 Dec 2025 16:19	vial A pH<2 TB	JC/MD	Ok
10	Q3835-01	MW-11A-13.5-121025	VX048830.D	11 Dec 2025 16:39	vial A pH<2 Need 50X	JC/MD	Dilution
11	Q3835-02	OWBR-01-170-121025	VX048831.D	11 Dec 2025 17:00	vial A pH<2 E flag of previous sample	JC/MD	ReRun
12	Q3835-04	MW-11B-37.5-121025	VX048832.D	11 Dec 2025 17:21	vial A pH<2 Need 100X	JC/MD	Dilution
13	Q3835-05	MW-01-7-121025	VX048833.D	11 Dec 2025 17:42	vial A pH<2 E flag of previous sample	JC/MD	ReRun
14	Q3828-01	BR-02-133-120925	VX048834.D	11 Dec 2025 18:02	Confirm Concentration	JC/MD	Not Ok
15	Q3828-03	OWBR-06-219-120925	VX048835.D	11 Dec 2025 18:23	Confirm Concentration	JC/MD	Not Ok
16	Q3828-05	RMW-03B-90-120925	VX048836.D	11 Dec 2025 18:44	vial A pH<2 Need 20X	JC/MD	Dilution
17	Q3828-06	OWBR-03-138-120925	VX048837.D	11 Dec 2025 19:05	vial A pH<2 E flag of previous sample	JC/MD	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX121125

Review By	John Carlone	Review On	12/12/2025 8:45:14 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/12/2025 11:46:33 AM		
SubDirectory	VX121125	HP Acquire Method	MSVOA_X	HP Processing Method	82X120425W.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP136631			
CCC		VP136632,VP136633			
Internal Standard/PEM		VP136145			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	VSTDCCC050	VSTDCCC050EC	VX048838.D	11 Dec 2025 19:25		JC/MD	Ok,M
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M : Manual Integration

A
B
C
D
E
F
G
H
I
J

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX121225

Review By	Mahesh Dadoda	Review On	12/16/2025 1:08:47 PM
Supervise By	Semsettin Yesilyurt	Supervise On	12/16/2025 3:06:43 PM
SubDirectory	VX121225	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136634		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136635,VP136636		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048839.D	12 Dec 2025 08:44		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048840.D	12 Dec 2025 09:12	pH#lot#v14222	JC/MD	Ok,M
3	VX1212MBL01	VX1212MBL01	VX048841.D	12 Dec 2025 10:09		JC/MD	Ok
4	VX1212WBL01	VX1212WBL01	VX048842.D	12 Dec 2025 10:31		JC/MD	Ok
5	VX1212WBS01	VX1212WBS01	VX048843.D	12 Dec 2025 10:52	Comp. #24 Recovery failed high	JC/MD	Ok,M
6	VX1212WBSD01	VX1212WBSD01	VX048844.D	12 Dec 2025 11:20	Comp. #24 Recovery failed high	JC/MD	Ok,M
7	Q3848-01	MW-18B-57.5-121125	VX048845.D	12 Dec 2025 11:42	vial A,pH<2 Need 10X	JC/MD	Dilution
8	IBLK	IBLK	VX048846.D	12 Dec 2025 12:04		JC/MD	Ok
9	Q3828-05DL	RMW-03B-90-120925D	VX048847.D	12 Dec 2025 12:26		JC/MD	Ok
10	Q3835-01DL	MW-11A-13.5-121025D	VX048848.D	12 Dec 2025 12:48		JC/MD	Ok
11	Q3835-04DL	MW-11B-37.5-121025D	VX048849.D	12 Dec 2025 13:09		JC/MD	Ok
12	Q3828-01	BR-02-133-120925	VX048850.D	12 Dec 2025 13:31	vial B,pH<2	JC/MD	Ok
13	Q3828-03	OWBR-06-219-120925	VX048851.D	12 Dec 2025 13:53	vial B,pH<2	JC/MD	Ok
14	Q3828-06	OWBR-03-138-120925	VX048852.D	12 Dec 2025 14:15	vial B,pH<2	JC/MD	Ok
15	Q3835-02	OWBR-01-170-121025	VX048853.D	12 Dec 2025 14:36	vial B,pH<2 Surrogate Fail	JC/MD	ReRun
16	Q3835-05	MW-01-7-121025	VX048854.D	12 Dec 2025 14:58	vial B,pH<2	JC/MD	Ok
17	Q3848-03	MW-18B-57.5-121125-F	VX048855.D	12 Dec 2025 15:20	vial A,pH<2,Surrogate Fail;Need 10X	JC/MD	Dilution

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX121225

Review By	Maresh Dadoda	Review On	12/16/2025 1:08:47 PM
Supervise By	Semsettin Yesilyurt	Supervise On	12/16/2025 3:06:43 PM
SubDirectory	VX121225	HP Acquire Method	HP Processing Method 82X120425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136634		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136635,VP136636		

18	Q3849-01	OW-07B-65-121125	VX048856.D	12 Dec 2025 15:42	vial A,pH<2 E flag of previous sample	JC/MD	ReRun
19	Q3849-07	RMW-02B-67-121125	VX048857.D	12 Dec 2025 16:03	vial A,pH<2 ,Need 50X	JC/MD	Dilution
20	Q3849-08	MW-06-7-121125	VX048858.D	12 Dec 2025 16:25	vial A,pH<2 Surrogate Fail; Need 200X	JC/MD	Dilution
21	Q3849-09	MW-19B-71.5-121125	VX048859.D	12 Dec 2025 16:47	vial A,pH<2 ,Need 100X	JC/MD	Dilution
22	Q3849-11	TB01-121125	VX048860.D	12 Dec 2025 17:09	vial A,pH<2 ,E flag of previous sample	JC/MD	ReRun
23	Q3848-01DL	MW-18B-57.5-121125	VX048861.D	12 Dec 2025 17:31		JC/MD	Ok
24	Q3813-01	BR-04DR-451-120825	VX048862.D	12 Dec 2025 17:52	carryover	JC/MD	Not Ok
25	Q3826-12	TP-2	VX048863.D	12 Dec 2025 18:14	Surrogate Fail;carryover	JC/MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VX048864.D	12 Dec 2025 18:36		JC/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3828	OrderDate:	12/9/2025 4:14:00 PM
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
Q3828-01	BR-02-133-120925	Water	VOCMS Group3	8260-Low	12/09/25		12/12/25	12/09/25
Q3828-02	BR-02-133-120925-SI M	Water	VOC-SIM	SFAM_VOCSI M	12/09/25		12/11/25	12/09/25
Q3828-03	OWBR-06-219-12092 5	Water	VOCMS Group3	8260-Low	12/09/25		12/12/25	12/09/25
Q3828-04	OWBR-06-219-12092 5-SIM	Water	VOC-SIM	SFAM_VOCSI M	12/09/25		12/11/25	12/09/25
Q3828-05	RMW-03B-90-120925	Water	VOCMS Group3	8260-Low	12/09/25		12/11/25	12/09/25
Q3828-05DL	RMW-03B-90-120925 DL	Water	VOCMS Group3	8260-Low	12/09/25		12/12/25	12/09/25
Q3828-06	OWBR-03-138-12092 5	Water	VOCMS Group3	8260-Low	12/09/25		12/12/25	12/09/25
Q3828-07	OWBR-03-138-12092 5-SIM	Water	VOC-SIM	SFAM_VOCSI M	12/09/25		12/11/25	12/09/25
Q3828-08	FB01-120925	Water			12/09/25			12/09/25

LAB CHRONICLE

Q3828-09	TB01-120925	Water	VOCMS Group3	8260-Low		12/11/25	12/09/25	12/09/25
			VOCMS Group3	8260-Low		12/11/25		
			VOC-SIM	SFAM_VOCSI M		12/11/25		
Q3828-10	VHBLK001	Water			12/09/25		12/09/25	12/09/25
			VOC-SIM	SFAM_VOCSI M		12/11/25		