

Hit Summary Sheet SW-846

SDG No.: Q2200

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	RMW-02B-66-060325							
Q2200-01	RMW-02B-66-0603	Water	Vinyl Chloride	93.7		2.60	10.0	ug/L
Q2200-01	RMW-02B-66-0603	Water	1,1-Dichloroethene	180		2.30	10.0	ug/L
Q2200-01	RMW-02B-66-0603	Water	1,1-Dichloroethane	25.2		2.30	10.0	ug/L
Q2200-01	RMW-02B-66-0603	Water	cis-1,2-Dichloroethene	1800	E	1.90	10.0	ug/L
Q2200-01	RMW-02B-66-0603	Water	Trichloroethene	4400	E	0.93	10.0	ug/L
Q2200-01	RMW-02B-66-0603	Water	Tetrachloroethene	63.3		2.30	10.0	ug/L
			Total Voc :	6560				
			Total Concentration:	6560				
Client ID:	RMW-02B-66-060325DL							
Q2200-01DL	RMW-02B-66-0603	Water	Vinyl Chloride	82.3	JD	26.0	100	ug/L
Q2200-01DL	RMW-02B-66-0603	Water	1,1-Dichloroethene	210	D	23.0	100	ug/L
Q2200-01DL	RMW-02B-66-0603	Water	cis-1,2-Dichloroethene	1700	D	19.0	100	ug/L
Q2200-01DL	RMW-02B-66-0603	Water	Trichloroethene	4300	D	9.30	100	ug/L
Q2200-01DL	RMW-02B-66-0603	Water	Tetrachloroethene	61.6	JD	23.0	100	ug/L
			Total Voc :	6350				
			Total Concentration:	6350				
Client ID:	RMW-03B-90-060325							
Q2200-02	RMW-03B-90-0603	Water	cis-1,2-Dichloroethene	3900		9.50	50.0	ug/L
Q2200-02	RMW-03B-90-0603	Water	Trichloroethene	220		4.70	50.0	ug/L
			Total Voc :	4120				
			Total Concentration:	4120				
Client ID:	MW-11B-37.5-060325							
Q2200-05	MW-11B-37.5-0603	Water	1,1-Dichloroethene	86.9		11.5	50.0	ug/L
Q2200-05	MW-11B-37.5-0603	Water	cis-1,2-Dichloroethene	1200		9.50	50.0	ug/L
Q2200-05	MW-11B-37.5-0603	Water	Trichloroethene	11300	E	4.70	50.0	ug/L
			Total Voc :	12600				
			Total Concentration:	12600				
Client ID:	MW-11B-37.5-060325DL							
Q2200-05DL	MW-11B-37.5-0603	Water	cis-1,2-Dichloroethene	1200	D	38.0	200	ug/L
Q2200-05DL	MW-11B-37.5-0603	Water	Trichloroethene	11100	D	18.6	200	ug/L
			Total Voc :	12300				
			Total Concentration:	12300				



SAMPLE DATA

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	RMW-02B-66-060325DL	SDG No.:	Q2200
Lab Sample ID:	Q2200-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046498.D	100		06/04/25 14:15	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	82.3	JD	26.0	100	ug/L
75-35-4	1,1-Dichloroethene	210	D	23.0	100	ug/L
75-34-3	1,1-Dichloroethane	23.0	UD	23.0	100	ug/L
156-59-2	cis-1,2-Dichloroethene	1700	D	19.0	100	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	20.0	100	ug/L
71-43-2	Benzene	15.0	UD	15.0	100	ug/L
107-06-2	1,2-Dichloroethane	22.0	UD	22.0	100	ug/L
79-01-6	Trichloroethene	4300	D	9.30	100	ug/L
79-00-5	1,1,2-Trichloroethane	21.0	UD	21.0	100	ug/L
127-18-4	Tetrachloroethene	61.6	JD	23.0	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		70 (77) - 130 (121)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63000	5.55			
540-36-3	1,4-Difluorobenzene	125000	6.757			
3114-55-4	Chlorobenzene-d5	119000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	53600	12.018			

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	RMW-03B-90-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046499.D	50		06/04/25 14:39	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	13.0	U	13.0	50.0	ug/L
75-35-4	1,1-Dichloroethene	11.5	U	11.5	50.0	ug/L
75-34-3	1,1-Dichloroethane	11.5	U	11.5	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	3900		9.50	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	10.0	50.0	ug/L
71-43-2	Benzene	7.50	U	7.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	11.0	U	11.0	50.0	ug/L
79-01-6	Trichloroethene	220		4.70	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.5	U	10.5	50.0	ug/L
127-18-4	Tetrachloroethene	11.5	U	11.5	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65900	5.55			
540-36-3	1,4-Difluorobenzene	132000	6.757			
3114-55-4	Chlorobenzene-d5	122000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	49200	12.018			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	EB01-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046504.D	1		06/04/25 16:37	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	64000	5.544			
540-36-3	1,4-Difluorobenzene	128000	6.763			
3114-55-4	Chlorobenzene-d5	122000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	54000	12.018			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	MW-11B-37.5-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046500.D	50		06/04/25 15:02	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	13.0	U	13.0	50.0	ug/L
75-35-4	1,1-Dichloroethene	86.9		11.5	50.0	ug/L
75-34-3	1,1-Dichloroethane	11.5	U	11.5	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1200		9.50	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	10.0	50.0	ug/L
71-43-2	Benzene	7.50	U	7.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	11.0	U	11.0	50.0	ug/L
79-01-6	Trichloroethene	11300	E	4.70	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.5	U	10.5	50.0	ug/L
127-18-4	Tetrachloroethene	11.5	U	11.5	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	61200	5.55			
540-36-3	1,4-Difluorobenzene	122000	6.763			
3114-55-4	Chlorobenzene-d5	113000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	47100	12.018			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	MW-11B-37.5-060325DL	SDG No.:	Q2200
Lab Sample ID:	Q2200-05DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046509.D	200		06/04/25 18:36	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	52.0	UD	52.0	200	ug/L
75-35-4	1,1-Dichloroethene	46.0	UD	46.0	200	ug/L
75-34-3	1,1-Dichloroethane	46.0	UD	46.0	200	ug/L
156-59-2	cis-1,2-Dichloroethene	1200	D	38.0	200	ug/L
71-55-6	1,1,1-Trichloroethane	40.0	UD	40.0	200	ug/L
71-43-2	Benzene	30.0	UD	30.0	200	ug/L
107-06-2	1,2-Dichloroethane	44.0	UD	44.0	200	ug/L
79-01-6	Trichloroethene	11100	D	18.6	200	ug/L
79-00-5	1,1,2-Trichloroethane	42.0	UD	42.0	200	ug/L
127-18-4	Tetrachloroethene	46.0	UD	46.0	200	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	64000	5.55			
540-36-3	1,4-Difluorobenzene	127000	6.763			
3114-55-4	Chlorobenzene-d5	118000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	50600	12.018			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/03/25
Client Sample ID:	TB-01-060325	SDG No.:	Q2200
Lab Sample ID:	Q2200-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046510.D	1		06/04/25 19:00	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	58800	5.543			
540-36-3	1,4-Difluorobenzene	118000	6.763			
3114-55-4	Chlorobenzene-d5	111000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	47900	12.024			

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QC SUMMARY

Surrogate Summary

SDG No.: **Q2200**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2200-01	RMW-02B-66-060325	1,2-Dichloroethane-d4	50	51.6	103	70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98	70 (75)	130 (124)
		Toluene-d8	50	49.7	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.8	98	70 (77)	130 (121)
Q2200-01DL	RMW-02B-66-060325DL	1,2-Dichloroethane-d4	50	51.3	103	70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.4	107	70 (77)	130 (121)
Q2200-02	RMW-03B-90-060325	1,2-Dichloroethane-d4	50	51.0	102	70 (74)	130 (125)
		Dibromofluoromethane	50	50.2	100	70 (75)	130 (124)
		Toluene-d8	50	50.4	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.6	101	70 (77)	130 (121)
Q2200-03	EB01-060325	1,2-Dichloroethane-d4	50	52.3	105	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.7	105	70 (77)	130 (121)
Q2200-05	MW-11B-37.5-060325	1,2-Dichloroethane-d4	50	52.1	104	70 (74)	130 (125)
		Dibromofluoromethane	50	49.8	100	70 (75)	130 (124)
		Toluene-d8	50	49.8	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.6	101	70 (77)	130 (121)
Q2200-05DL	MW-11B-37.5-060325DL	1,2-Dichloroethane-d4	50	52.7	105	70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100	70 (75)	130 (124)
		Toluene-d8	50	49.6	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.3	101	70 (77)	130 (121)
Q2200-06	TB-01-060325	1,2-Dichloroethane-d4	50	53.2	106	70 (74)	130 (125)
		Dibromofluoromethane	50	50.0	100	70 (75)	130 (124)
		Toluene-d8	50	49.7	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.7	101	70 (77)	130 (121)
VX0604WBL01	VX0604WBL01	1,2-Dichloroethane-d4	50	53.4	107	70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101	70 (75)	130 (124)
		Toluene-d8	50	50.4	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.1	106	70 (77)	130 (121)
VX0604WBS01	VX0604WBS01	1,2-Dichloroethane-d4	50	50.1	100	70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103	70 (75)	130 (124)
		Toluene-d8	50	47.3	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.1	98	70 (77)	130 (121)
VX0604WBSD0	VX0604WBSD01	1,2-Dichloroethane-d4	50	51.7	103	70 (74)	130 (125)
		Dibromofluoromethane	50	52.1	104	70 (75)	130 (124)
		Toluene-d8	50	49.0	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.4	103	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2200

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VX046491.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0604WBS01	Vinyl chloride	20	15.5	ug/L	78			70 (65)	130 (117)	
	1,1-Dichloroethene	20	17.2	ug/L	86			70 (74)	130 (110)	
	1,1-Dichloroethane	20	19.6	ug/L	98			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			70 (80)	130 (108)	
	Benzene	20	18.6	ug/L	93			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.8	ug/L	99			70 (80)	130 (115)	
	Trichloroethene	20	18.4	ug/L	92			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	20.5	ug/L	103			70 (83)	130 (112)	
	Tetrachloroethene	20	19.0	ug/L	95			70 (67)	130 (123)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2200

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VX046497.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0604WBSD01	Vinyl chloride	20	18.8	ug/L	94	19		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	20.3	ug/L	102	17		70 (74)	130 (110)	20 (20)
	1,1-Dichloroethane	20	22.2	ug/L	111	12		70 (78)	130 (112)	20 (20)
	cis-1,2-Dichloroethene	20	22.0	ug/L	110	12		70 (77)	130 (110)	20 (20)
	1,1,1-Trichloroethane	20	22.5	ug/L	113	15		70 (80)	130 (108)	20 (20)
	Benzene	20	21.4	ug/L	107	14		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	21.6	ug/L	108	9		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	21.3	ug/L	106	14		70 (77)	130 (113)	20 (20)
	1,1,2-Trichloroethane	20	22.2	ug/L	111	7		70 (83)	130 (112)	20 (20)
	Tetrachloroethene	20	20.6	ug/L	103	8		70 (67)	130 (123)	20 (20)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0604WBL01

Lab Name: CHEMTECH

Contract: JACO05

Lab Code: CHEM Case No.: Q2200

SAS No.: Q2200 SDG NO.: Q2200

Lab File ID: VX046490.D

Lab Sample ID: VX0604WBL01

Date Analyzed: 06/04/2025

Time Analyzed: 11:04

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
VX0604WBS01	VX0604WBS01	VX046491.D	06/04/2025
VX0604WBSD01	VX0604WBSD01	VX046497.D	06/04/2025
RMW-02B-66-060325DL	Q2200-01DL	VX046498.D	06/04/2025
RMW-03B-90-060325	Q2200-02	VX046499.D	06/04/2025
MW-11B-37.5-060325	Q2200-05	VX046500.D	06/04/2025
EB01-060325	Q2200-03	VX046504.D	06/04/2025
RMW-02B-66-060325	Q2200-01	VX046508.D	06/04/2025
MW-11B-37.5-060325DL	Q2200-05DL	VX046509.D	06/04/2025
TB-01-060325	Q2200-06	VX046510.D	06/04/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2200 SAS No.: Q2200 SDG NO.: Q2200
Lab File ID: VX046038.D BFB Injection Date: 05/05/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:37
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	22.1
75	30.0 - 60.0% of mass 95	56.2
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	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC020	VSTDIC020	VX046041.D	05/05/2025	11:35
VSTDIC050	VSTDIC050	VX046042.D	05/05/2025	11:58
VSTDIC100	VSTDIC100	VX046043.D	05/05/2025	12:21
VSTDIC150	VSTDIC150	VX046044.D	05/05/2025	12:45
VSTDIC005	VSTDIC005	VX046046.D	05/05/2025	16:04
VSTDIC001	VSTDIC001	VX046047.D	05/05/2025	16:27

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2200 SAS No.: Q2200 SDG NO.: Q2200
Lab File ID: VX046487.D BFB Injection Date: 06/04/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:43
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	22
75	30.0 - 60.0% of mass 95	55.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	68.4
175	5.0 - 9.0% of mass 174	4.8 (7) 1
176	95.0 - 101.0% of mass 174	67.2 (98.3) 1
177	5.0 - 9.0% of mass 176	4.5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046488.D	06/04/2025	10:12
VX0604WBL01	VX0604WBL01	VX046490.D	06/04/2025	11:04
VX0604WBS01	VX0604WBS01	VX046491.D	06/04/2025	11:27
VX0604WBSD01	VX0604WBSD01	VX046497.D	06/04/2025	13:52
RMW-02B-66-060325DL	Q2200-01DL	VX046498.D	06/04/2025	14:15
RMW-03B-90-060325	Q2200-02	VX046499.D	06/04/2025	14:39
MW-11B-37.5-060325	Q2200-05	VX046500.D	06/04/2025	15:02
EB01-060325	Q2200-03	VX046504.D	06/04/2025	16:37
RMW-02B-66-060325	Q2200-01	VX046508.D	06/04/2025	18:12
MW-11B-37.5-060325DL	Q2200-05DL	VX046509.D	06/04/2025	18:36
TB-01-060325	Q2200-06	VX046510.D	06/04/2025	19:00

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2200 SAS No.: Q2200 SDG NO.: Q2200
Lab File ID: VX046488.D Date Analyzed: 06/04/2025
Instrument ID: MSVOA_X Time Analyzed: 10:12
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	97475	5.54	165033	6.75	141151	10.05
UPPER LIMIT	194950	6.043	330066	7.25	282302	10.549
LOWER LIMIT	48737.5	5.043	82516.5	6.25	70575.5	9.549
EPA SAMPLE NO.						
RMW-02B-66-060325	59475	5.55	118649	6.76	107657	10.06
RMW-02B-66-060325DL	62989	5.55	125027	6.76	118665	10.06
RMW-03B-90-060325	65911	5.55	132066	6.76	121549	10.06
EB01-060325	64028	5.54	128366	6.76	122354	10.06
MW-11B-37.5-060325	61191	5.55	121976	6.76	112952	10.06
MW-11B-37.5-060325DL	63962	5.55	127435	6.76	117554	10.06
TB-01-060325	58762	5.54	118020	6.76	111037	10.06
VX0604WBL01	69580	5.55	139946	6.76	133992	10.05
VX0604WBS01	92897	5.54	164481	6.76	139452	10.05
VX0604WBSD01	84483	5.55	152834	6.76	133225	10.06

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: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2200 SAS No.: Q2200 SDG NO.: Q2200
Lab File ID: VX046488.D Date Analyzed: 06/04/2025
Instrument ID: MSVOA_X Time Analyzed: 10:12
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	69016	12.018				
UPPER LIMIT	138032	12.518				
LOWER LIMIT	34508	11.518				
EPA SAMPLE NO.						
RMW-02B-66-060325	43595	12.02				
RMW-02B-66-060325DL	53639	12.02				
RMW-03B-90-060325	49186	12.02				
EB01-060325	53968	12.02				
MW-11B-37.5-060325	47128	12.02				
MW-11B-37.5-060325DL	50632	12.02				
TB-01-060325	47922	12.02				
VX0604WBL01	59967	12.02				
VX0604WBS01	63937	12.02				
VX0604WBSD01	62838	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0604WBL01	SDG No.:	Q2200
Lab Sample ID:	VX0604WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046490.D	1		06/04/25 11:04	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	69600	5.55			
540-36-3	1,4-Difluorobenzene	140000	6.757			
3114-55-4	Chlorobenzene-d5	134000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	60000	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0604WBS01	SDG No.:	Q2200
Lab Sample ID:	VX0604WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046491.D	1		06/04/25 11:27	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	15.5		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.2		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.20	1.00	ug/L
71-43-2	Benzene	18.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.4		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.5		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	47.3		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	92900	5.544			
540-36-3	1,4-Difluorobenzene	164000	6.757			
3114-55-4	Chlorobenzene-d5	139000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63900	12.018			

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

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JAC005
 Lab Code: CHEM Case No.: Q2200 SAS No.: Q2200 SDG No.: Q2200
 Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025
 Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF020 = VX046041.D		RRF050 = VX046042.D		RRF100 = VX046043.D			
		RRF150 = VX046044.D		RRF005 = VX046046.D		RRF001 = VX046047.D			
COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	RRF	% RSD	
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2	
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9	
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6	
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5	
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6	
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3	
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5	
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3	
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3	
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8	
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6	
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7	
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2	
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4	

* 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: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q2200 SAS No.: Q2200 SDG No.: Q2200

Instrument ID: MSVOA_X Calibration Date/Time: 06/04/2025 10:12

Lab File ID: VX046488.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.691	0.665		-3.76	20
1,1-Dichloroethene	0.593	0.593		0	20
1,1-Dichloroethane	1.219	1.302	0.1	6.81	20
cis-1,2-Dichloroethene	0.718	0.747		4.04	20
1,1,1-Trichloroethane	1.101	1.161		5.45	20
Benzene	1.417	1.496		5.57	20
1,2-Dichloroethane	0.612	0.651		6.37	20
Trichloroethene	0.341	0.364		6.74	20
1,1,2-Trichloroethane	0.343	0.370		7.87	20
Tetrachloroethene	0.354	0.378		6.78	20
1,2-Dichloroethane-d4	0.932	0.862		-7.51	20
Dibromofluoromethane	0.360	0.356		-1.11	20
Toluene-d8	1.246	1.135		-8.91	20
4-Bromofluorobenzene	0.478	0.469		-1.88	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\VX060425\
 Data File : VX046508.D
 Acq On : 04 Jun 2025 18:12
 Operator : JC/MD
 Sample : Q2200-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-02B-66-060325

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 05 02:04:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

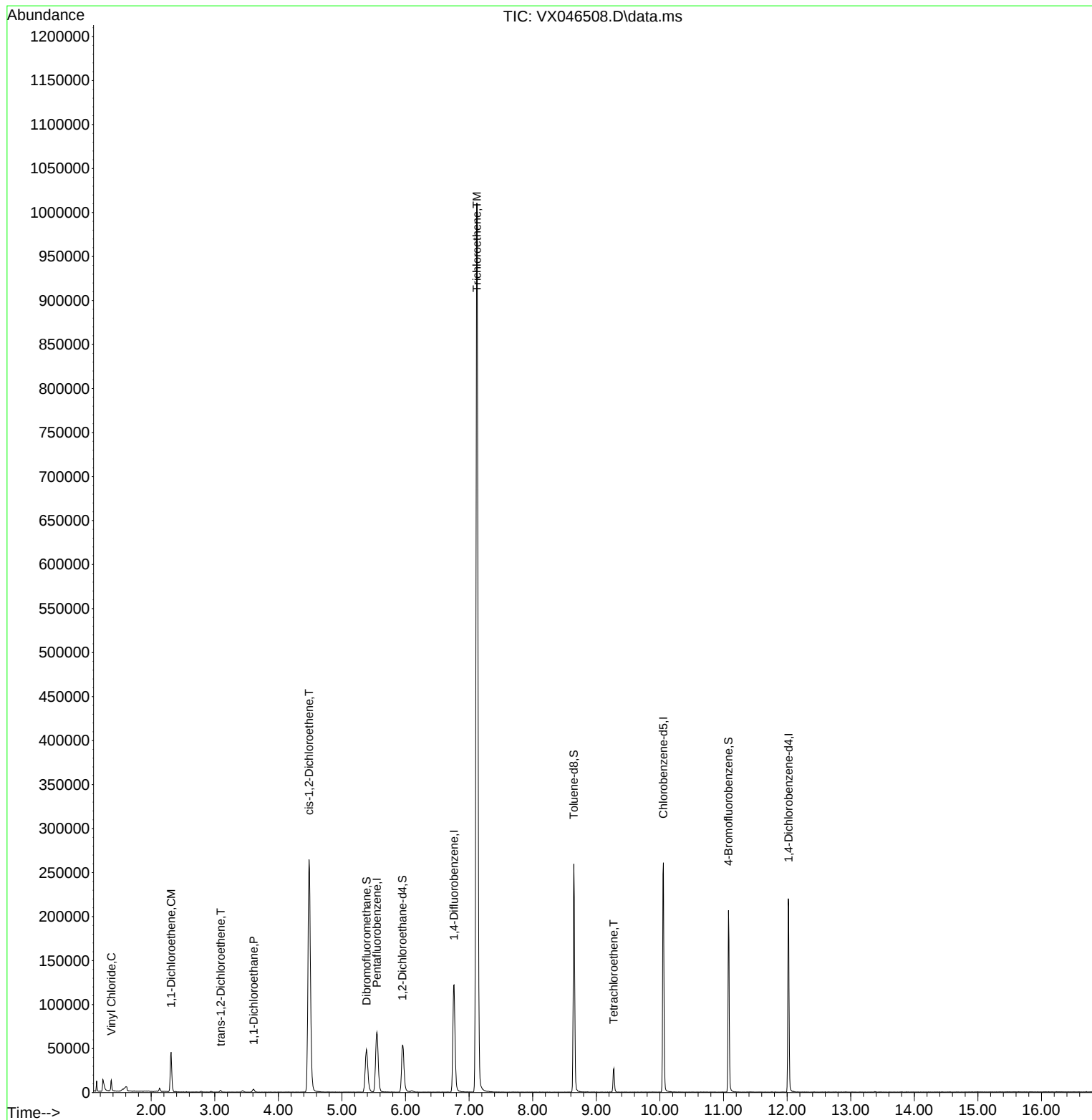
Internal Standards						
1) Pentafluorobenzene	5.550	168	59475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	118649	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	107657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	43595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57267	51.648	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.300%	
35) Dibromofluoromethane	5.385	113	41659	48.758	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.520%	
50) Toluene-d8	8.647	98	147066	49.732	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.460%	
62) 4-Bromofluorobenzene	11.079	95	55309	48.759	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.520%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	7697	9.368	ug/l	96
12) 1,1-Dichloroethene	2.312	96	12979	18.404	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	775	1.093	ug/l #	78
24) 1,1-Dichloroethane	3.611	63	3655	2.521	ug/l #	93
27) cis-1,2-Dichloroethene	4.483	96	156809	183.666	ug/l	89
44) Trichloroethene	7.123	130	357950	442.298	ug/l	95
64) Tetrachloroethene	9.275	164	4825	6.334	ug/l	97

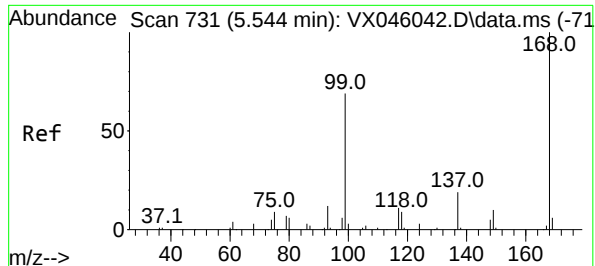
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046508.D
Acq On : 04 Jun 2025 18:12
Operator : JC/MD
Sample : Q2200-01 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325

Quant Time: Jun 05 02:04:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

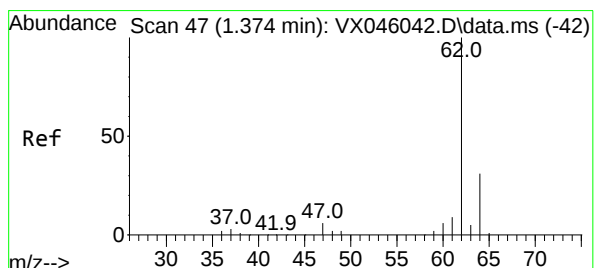
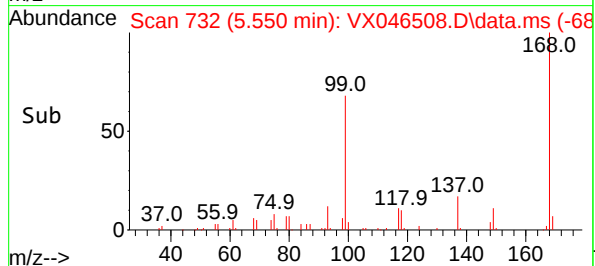
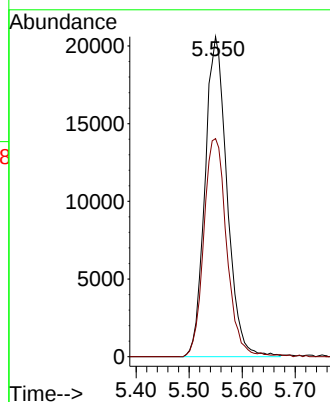
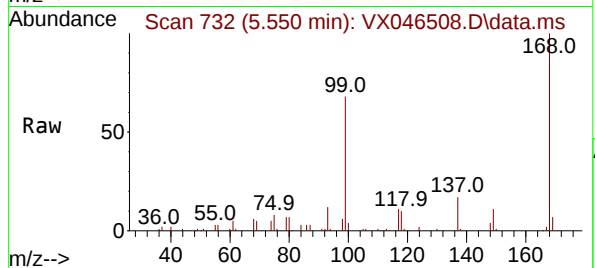




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

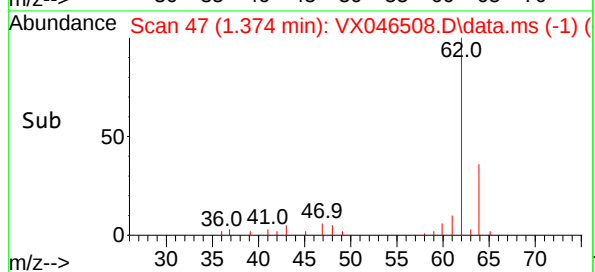
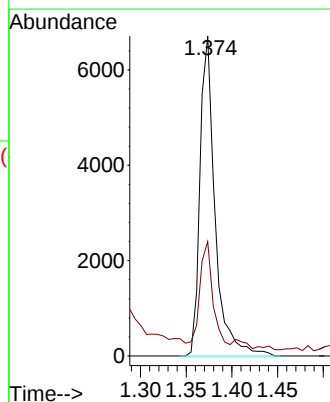
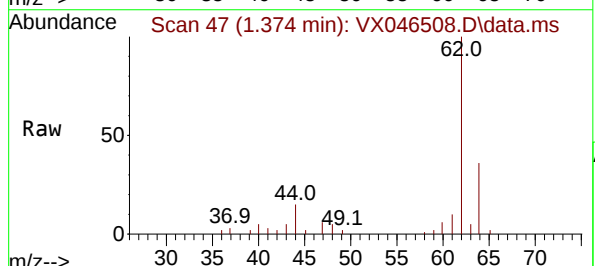
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325

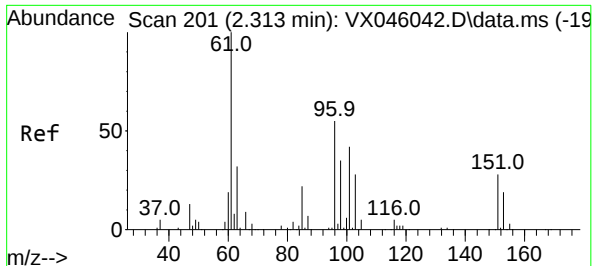
Tgt Ion:168 Resp: 59475
Ion Ratio Lower Upper
168 100
99 68.1 54.9 82.3



#4
Vinyl Chloride
Concen: 9.368 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046508.D
Acq: 04 Jun 2025 18:12

Tgt Ion: 62 Resp: 7697
Ion Ratio Lower Upper
62 100
64 33.8 25.2 37.8





#12

1,1-Dichloroethene

Concen: 18.404 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325

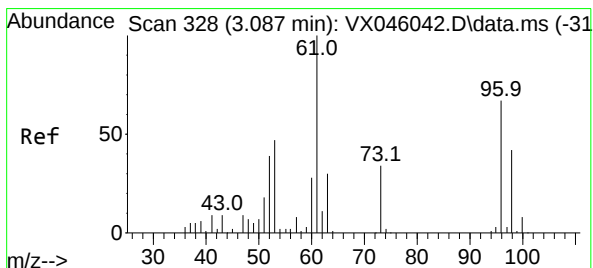
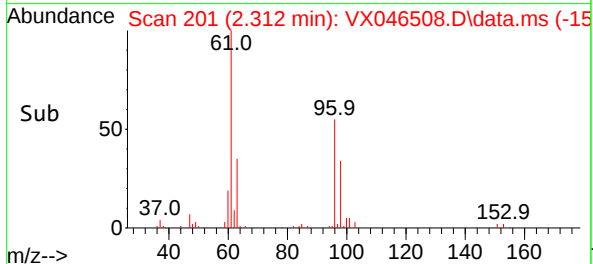
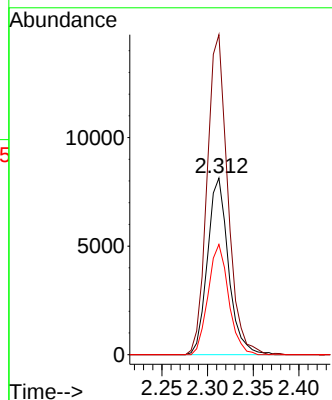
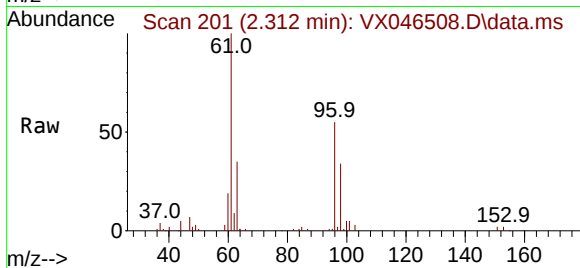
Tgt Ion: 96 Resp: 12979

Ion Ratio Lower Upper

96 100

61 181.1 146.2 219.2

98 62.4 51.0 76.6



#21

trans-1,2-Dichloroethene

Concen: 1.093 ug/l

RT: 3.093 min Scan# 329

Delta R.T. 0.006 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

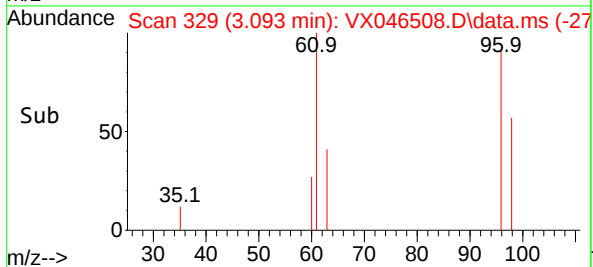
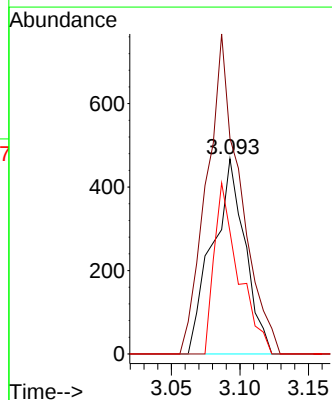
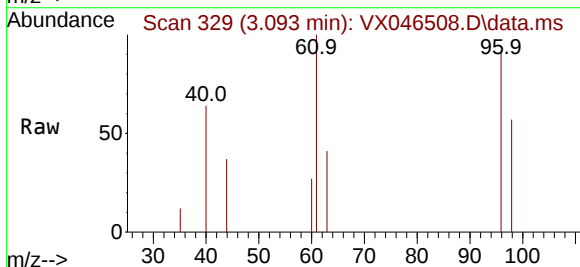
Tgt Ion: 96 Resp: 775

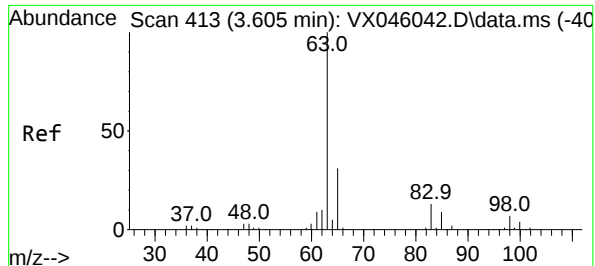
Ion Ratio Lower Upper

96 100

61 110.5 119.5 179.3#

98 62.6 50.0 75.0





#24

1,1-Dichloroethane

Concen: 2.521 ug/l

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325

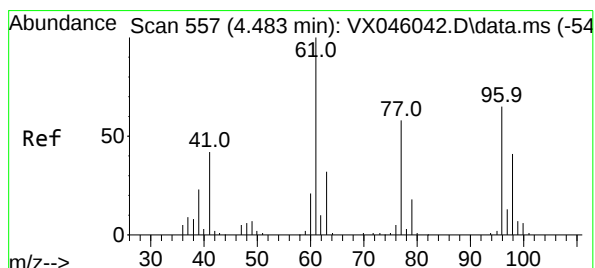
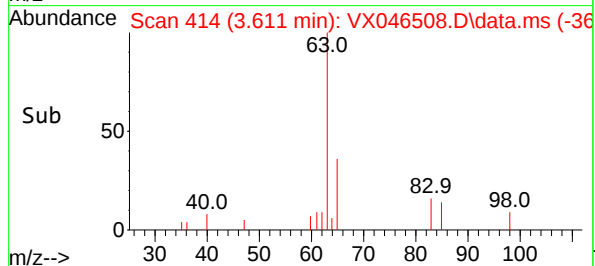
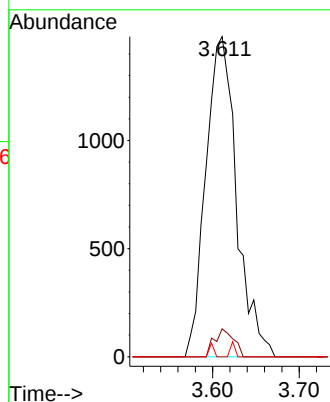
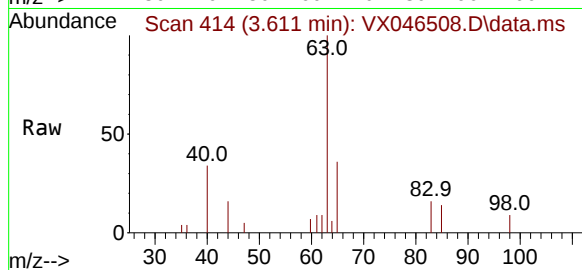
Tgt Ion: 63 Resp: 3655

Ion Ratio Lower Upper

63 100

98 8.7 3.6 10.8

100 0.0 2.1 6.3#



#27

cis-1,2-Dichloroethene

Concen: 183.666 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

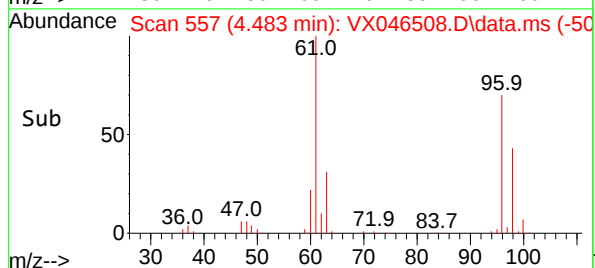
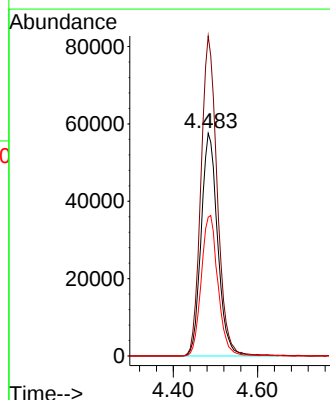
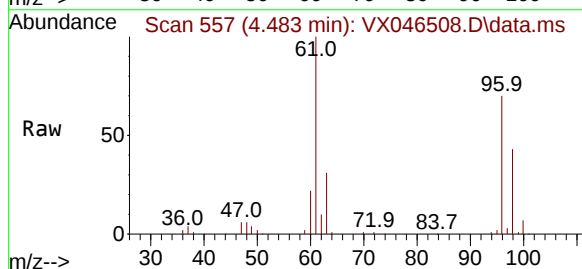
Tgt Ion: 96 Resp: 156809

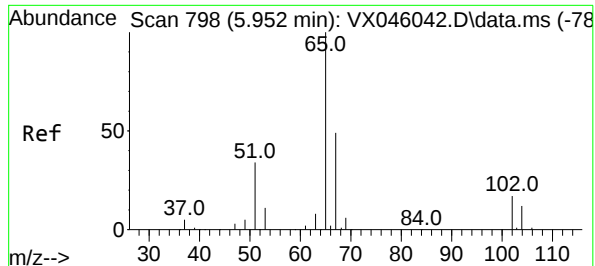
Ion Ratio Lower Upper

96 100

61 141.7 0.0 322.8

98 63.5 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 51.648 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

Instrument :

MSVOA_X

ClientSampleId :

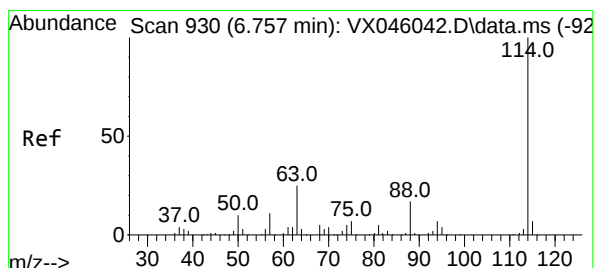
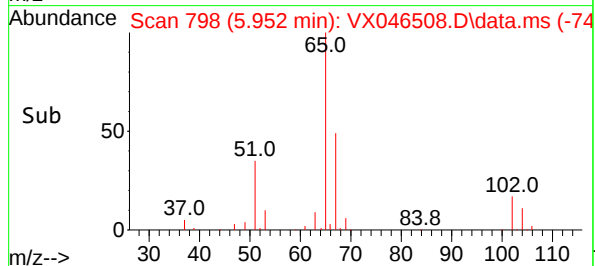
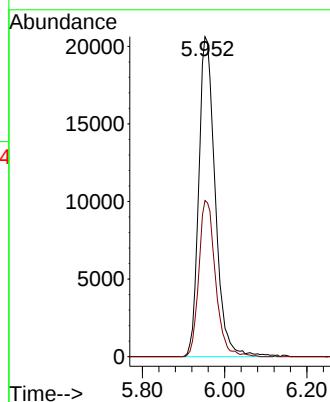
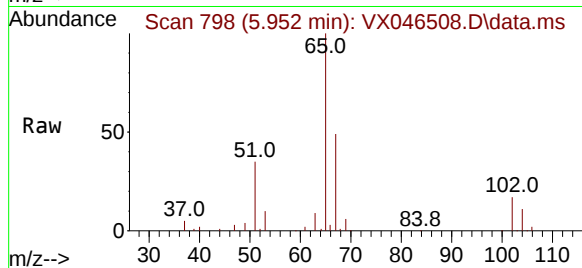
RMW-02B-66-060325

Tgt Ion: 65 Resp: 57267

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

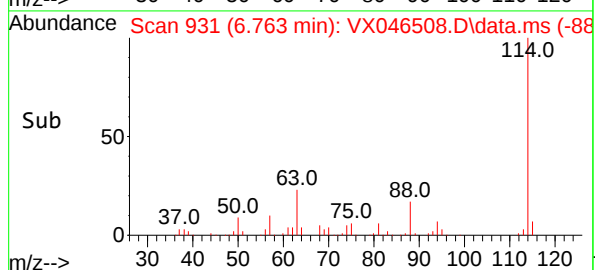
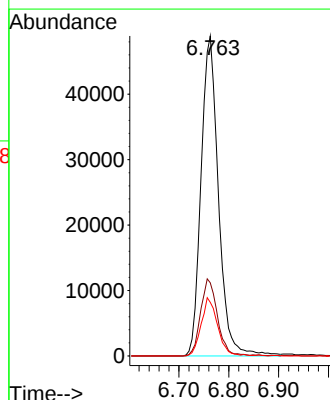
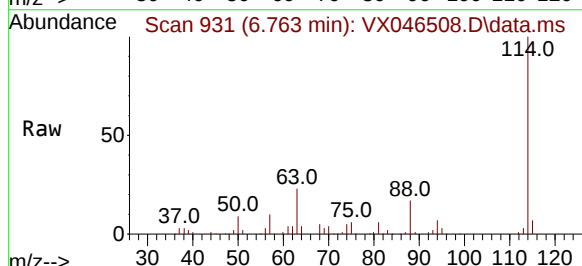
Tgt Ion: 114 Resp: 118649

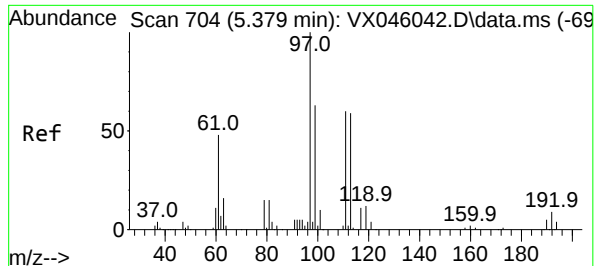
Ion Ratio Lower Upper

114 100

63 22.9 0.0 49.2

88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 48.758 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325

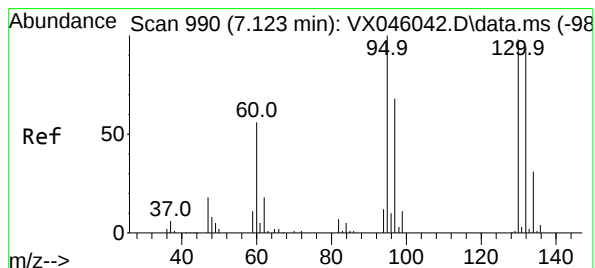
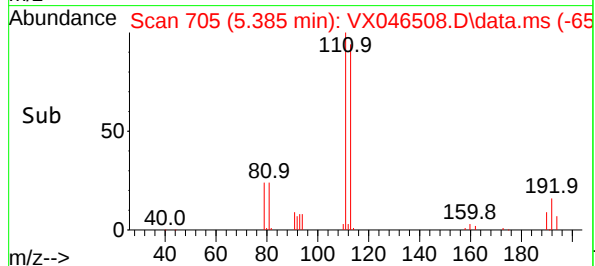
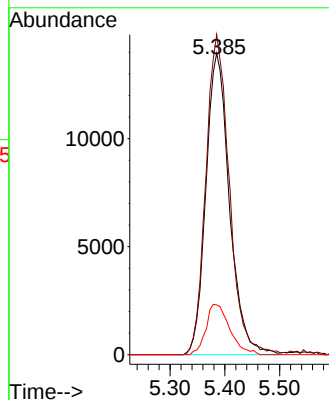
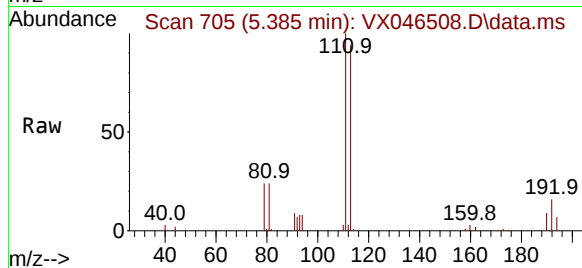
Tgt Ion:113 Resp: 41659

Ion Ratio Lower Upper

113 100

111 106.0 83.1 124.7

192 16.9 13.3 19.9



#44

Trichloroethene

Concen: 442.298 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX046508.D

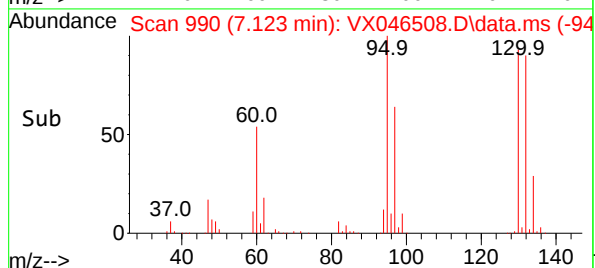
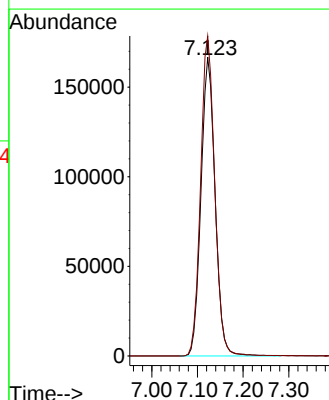
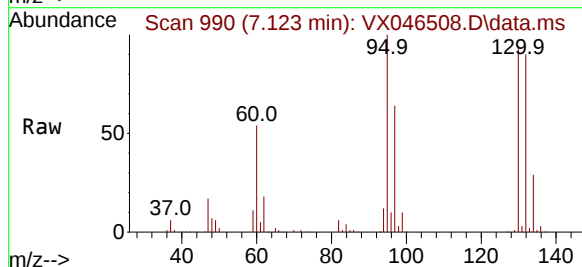
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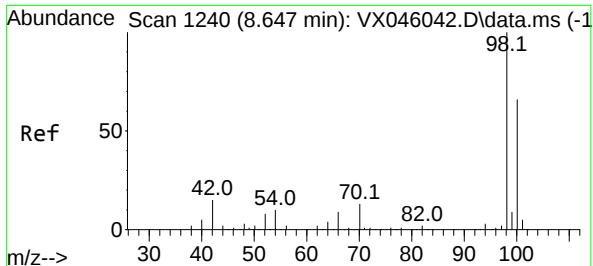
Tgt Ion:130 Resp: 357950

Ion Ratio Lower Upper

130 100

95 107.1 0.0 204.2





#50

Toluene-d8

Concen: 49.732 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

Instrument :

MSVOA_X

ClientSampleId :

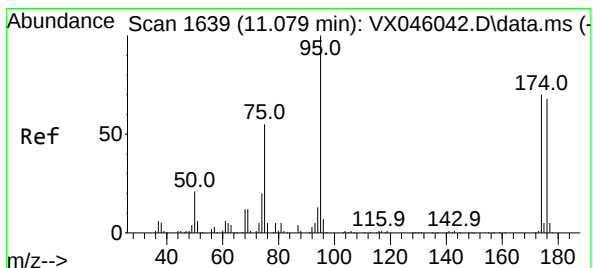
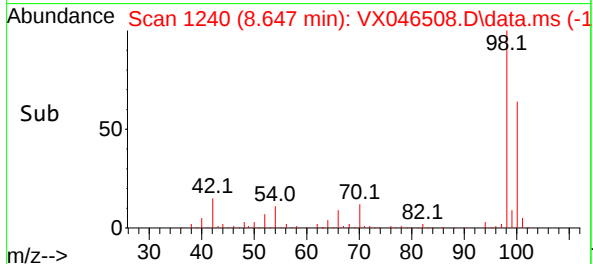
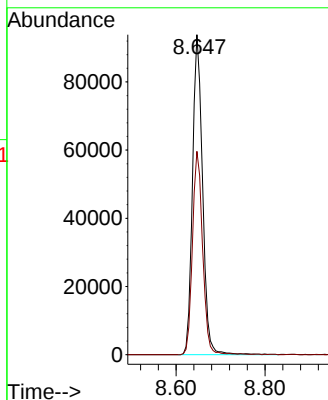
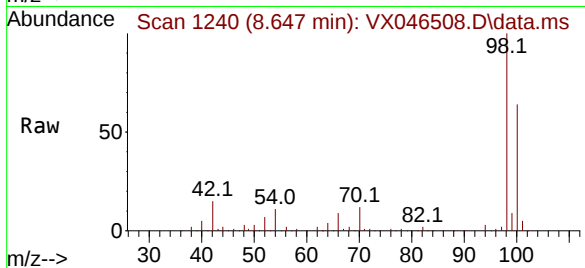
RMW-02B-66-060325

Tgt Ion: 98 Resp: 147066

Ion Ratio Lower Upper

98 100

100 64.0 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 48.759 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

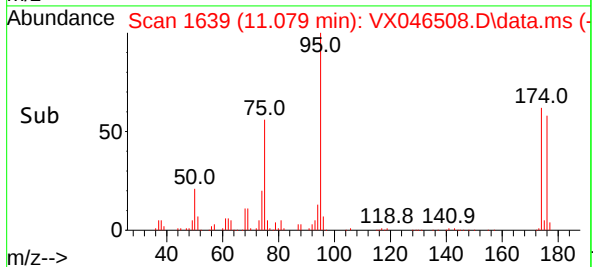
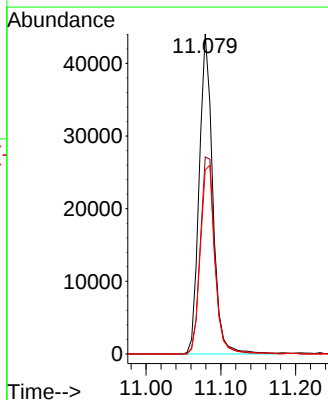
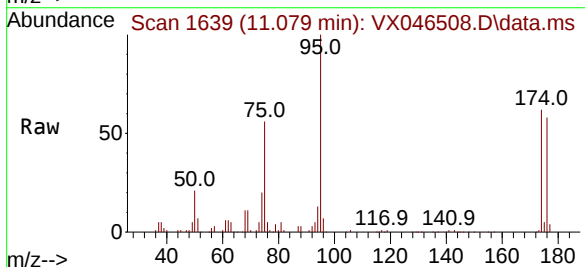
Tgt Ion: 95 Resp: 55309

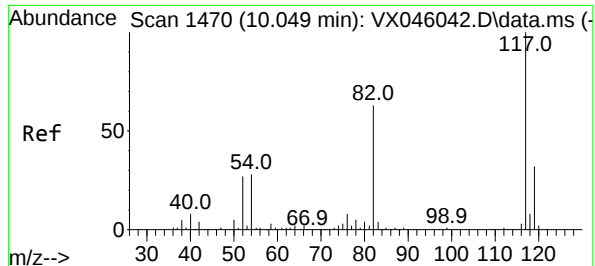
Ion Ratio Lower Upper

95 100

174 66.7 0.0 135.8

176 63.6 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325

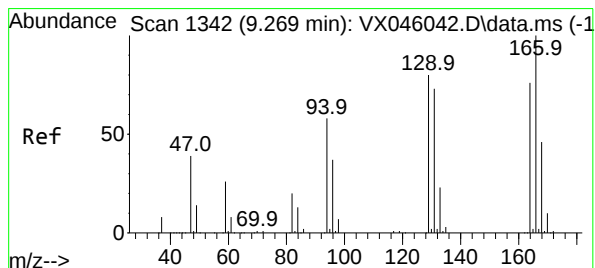
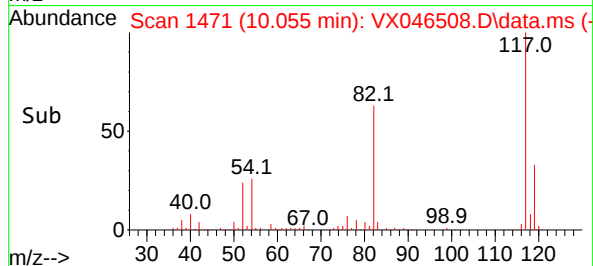
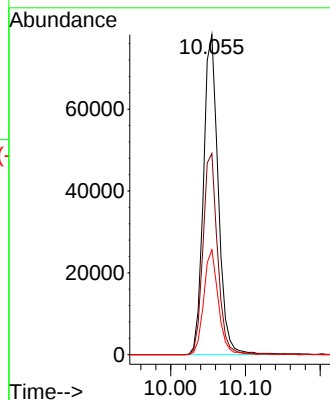
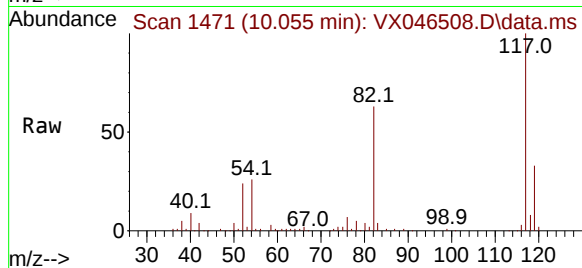
Tgt Ion:117 Resp: 107657

Ion Ratio Lower Upper

117 100

82 62.9 50.6 76.0

119 32.8 25.8 38.6



#64

Tetrachloroethene

Concen: 6.334 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX046508.D

Acq: 04 Jun 2025 18:12

Tgt Ion:164 Resp: 4825

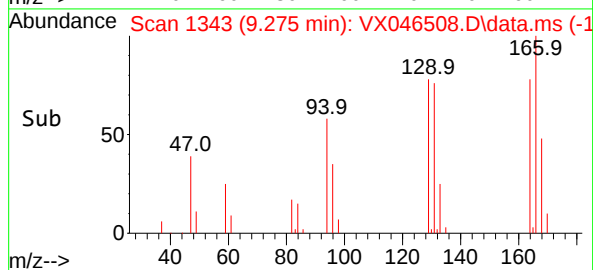
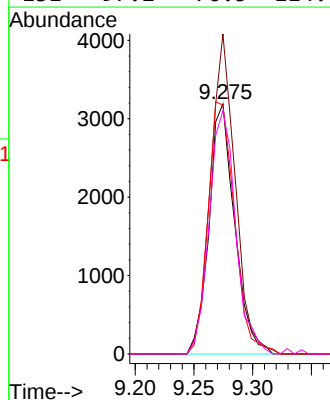
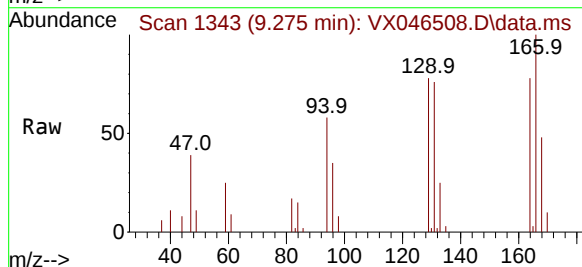
Ion Ratio Lower Upper

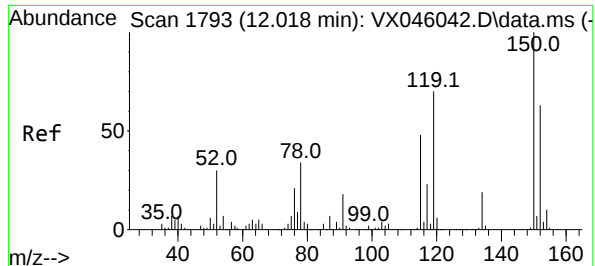
164 100

166 127.9 105.0 157.6

129 99.4 83.5 125.3

131 97.2 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046508.D

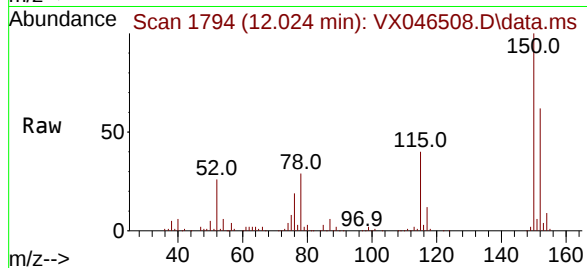
Acq: 04 Jun 2025 18:12

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325



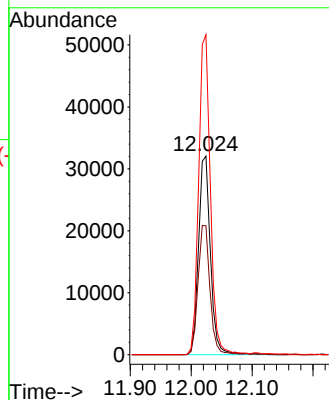
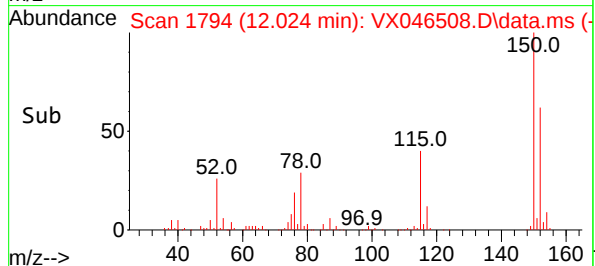
Tgt Ion:152 Resp: 43595

Ion Ratio Lower Upper

152 100

115 65.7 46.9 140.7

150 157.9 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046498.D
 Acq On : 04 Jun 2025 14:15
 Operator : JC/MD
 Sample : Q2200-01DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-02B-66-060325DL

Quant Time: Jun 05 01:54:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

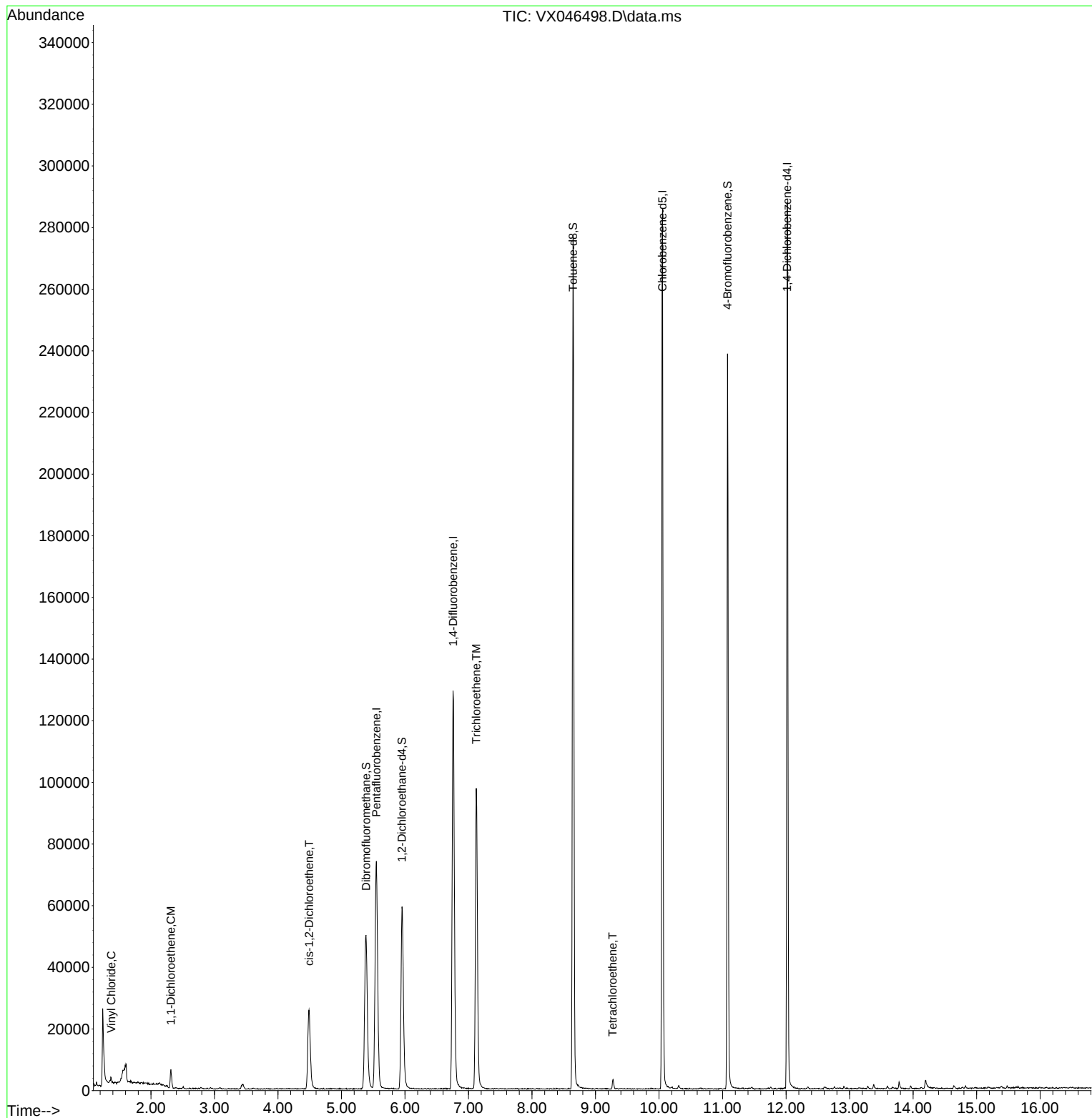
Internal Standards						
1) Pentafluorobenzene	5.550	168	62989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125027	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60283	51.335	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.660%
35) Dibromofluoromethane	5.385	113	45387	50.412	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.820%
50) Toluene-d8	8.646	98	155704	49.967	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.940%
62) 4-Bromofluorobenzene	11.079	95	63770	53.350	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.700%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.373	62	716	0.823	ug/l	98
12) 1,1-Dichloroethene	2.312	96	1603	2.146	ug/l #	91
27) cis-1,2-Dichloroethene	4.489	96	15418	17.051	ug/l	88
44) Trichloroethene	7.122	130	36397	42.679	ug/l	97
64) Tetrachloroethene	9.268	164	517	0.616	ug/l	91

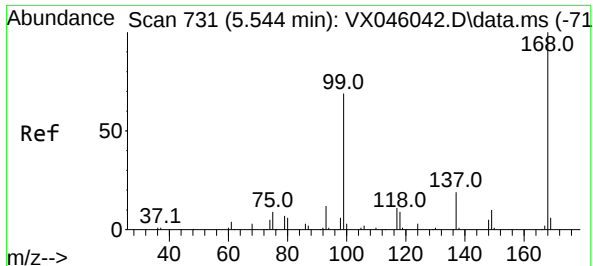
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046498.D
Acq On : 04 Jun 2025 14:15
Operator : JC/MD
Sample : Q2200-01DL 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325DL

Quant Time: Jun 05 01:54:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

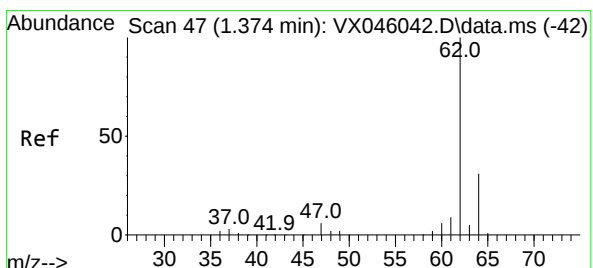
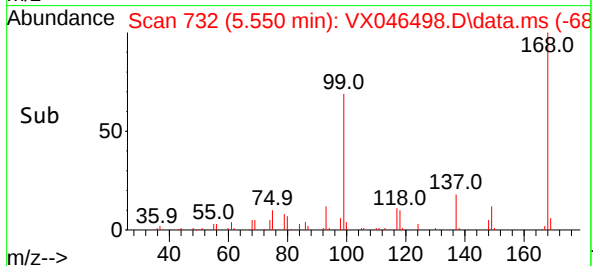
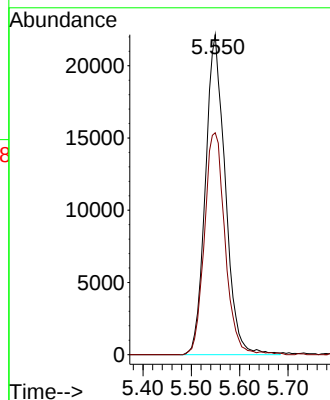
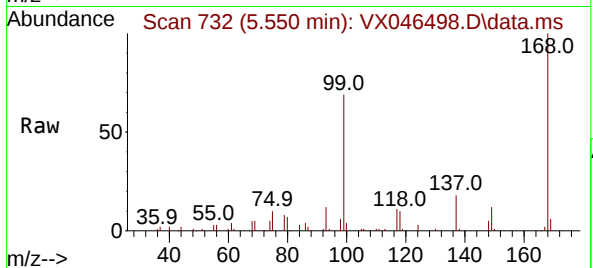




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

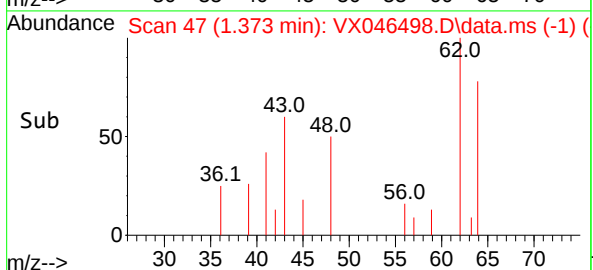
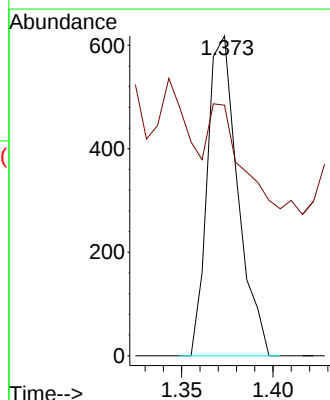
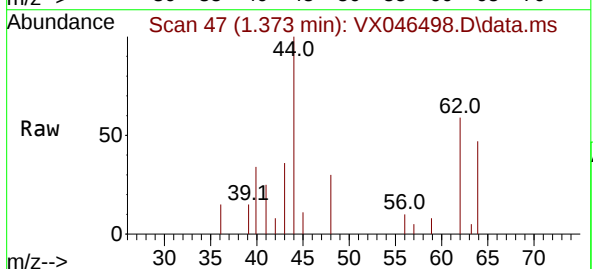
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-66-060325DL

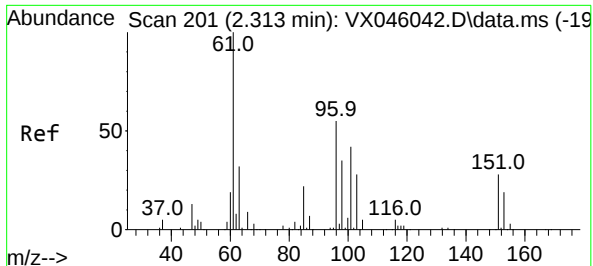
Tgt Ion:168 Resp: 62989
Ion Ratio Lower Upper
168 100
99 69.3 54.9 82.3



#4
Vinyl Chloride
Concen: 0.823 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046498.D
Acq: 04 Jun 2025 14:15

Tgt Ion: 62 Resp: 716
Ion Ratio Lower Upper
62 100
64 32.4 25.2 37.8





#12

1,1-Dichloroethene

Concen: 2.146 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325DL

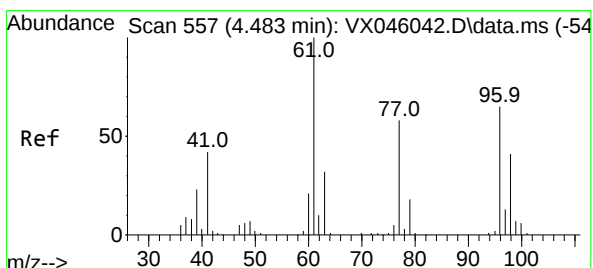
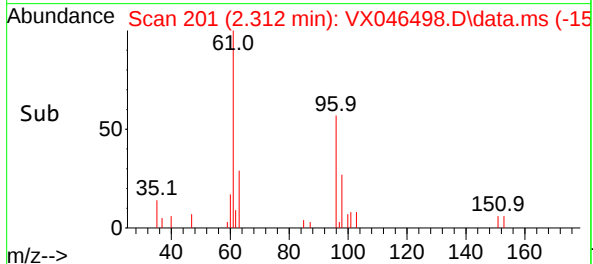
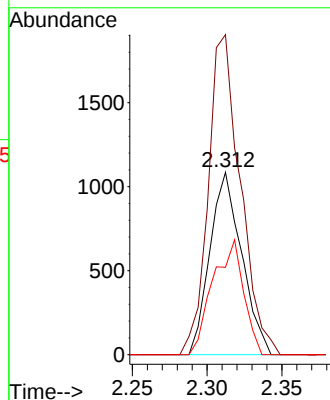
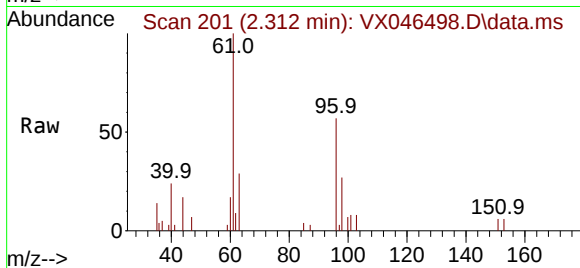
Tgt Ion: 96 Resp: 1603

Ion Ratio Lower Upper

96 100

61 175.4 146.2 219.2

98 47.9 51.0 76.6#



#27

cis-1,2-Dichloroethene

Concen: 17.051 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

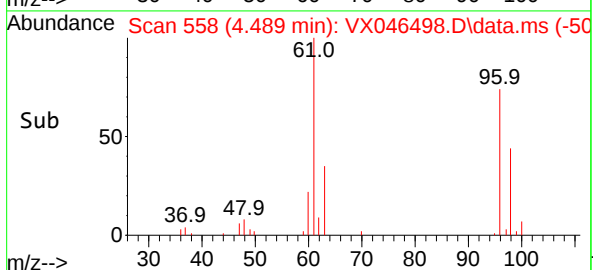
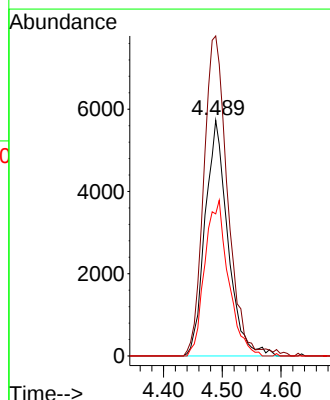
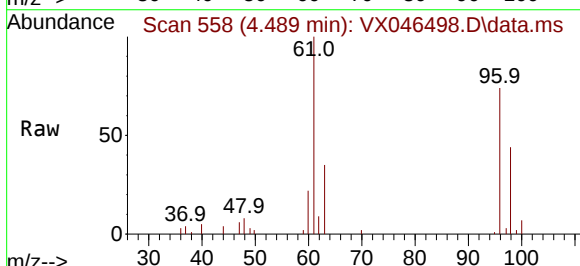
Tgt Ion: 96 Resp: 15418

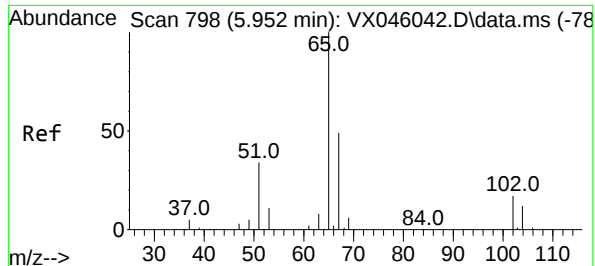
Ion Ratio Lower Upper

96 100

61 141.3 0.0 322.8

98 68.6 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 51.335 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

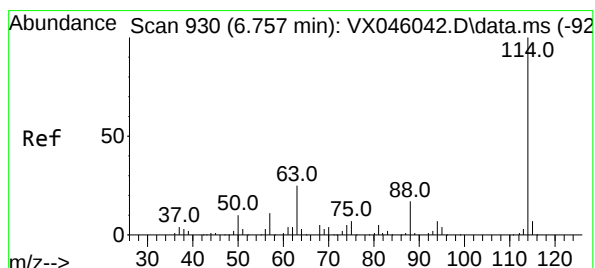
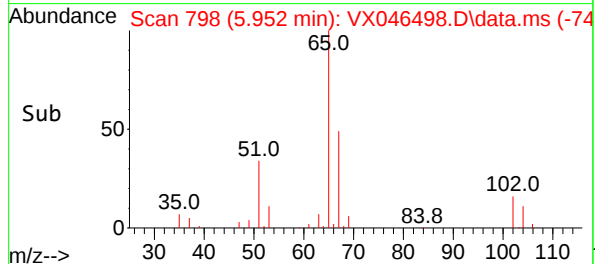
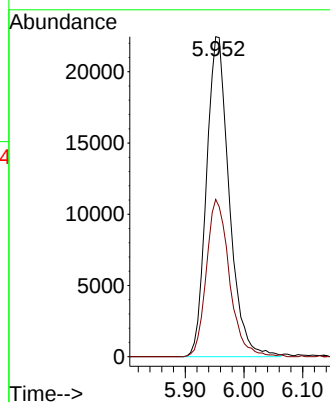
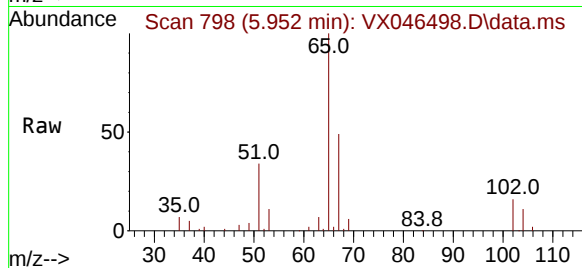
RMW-02B-66-060325DL

Tgt Ion: 65 Resp: 60283

Ion Ratio Lower Upper

65 100

67 50.0 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

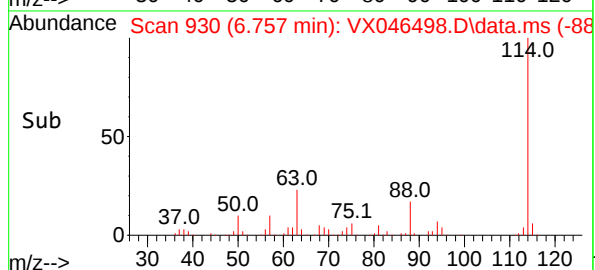
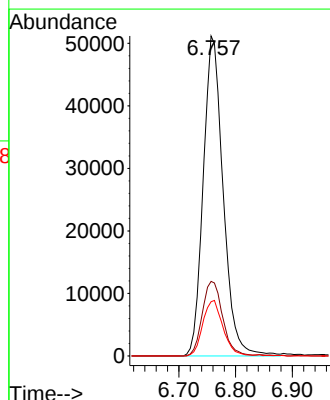
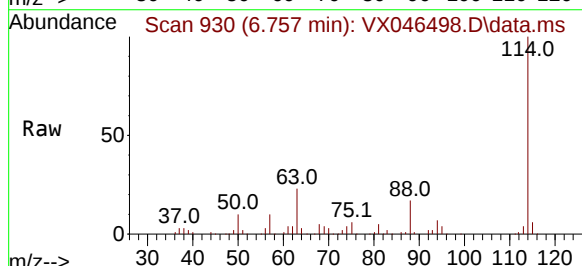
Tgt Ion: 114 Resp: 125027

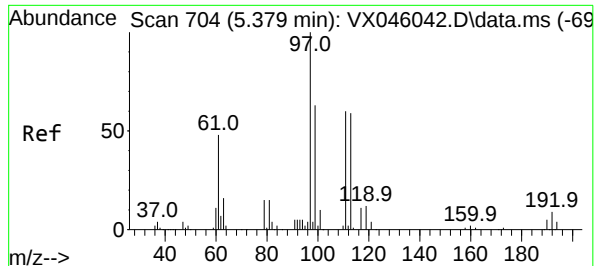
Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.2

88 17.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.412 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046498.D

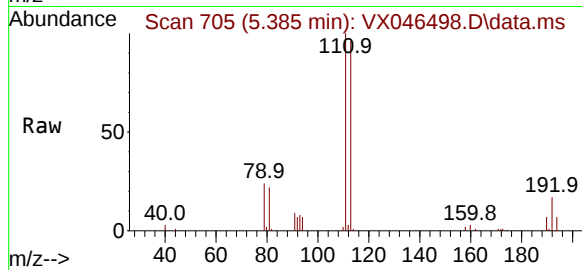
Acq: 04 Jun 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325DL



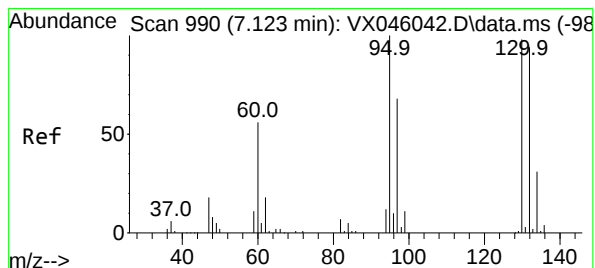
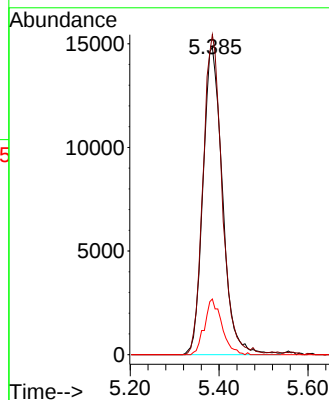
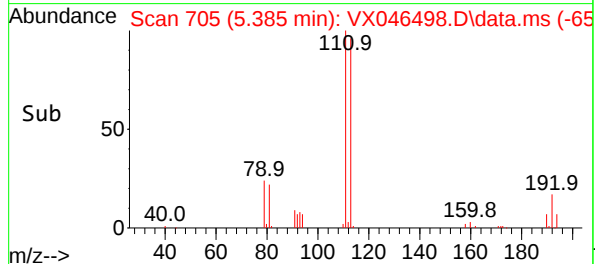
Tgt Ion:113 Resp: 45387

Ion Ratio Lower Upper

113 100

111 101.3 83.1 124.7

192 16.1 13.3 19.9



#44

Trichloroethene

Concen: 42.679 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX046498.D

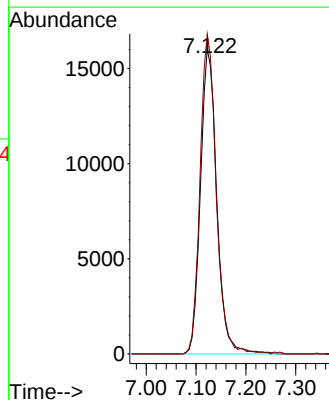
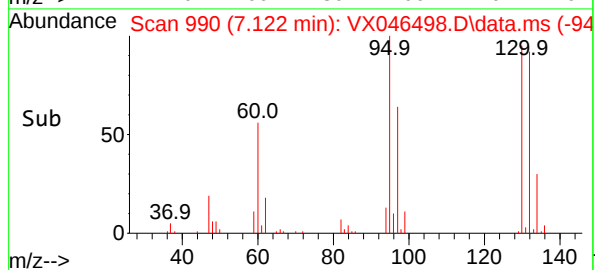
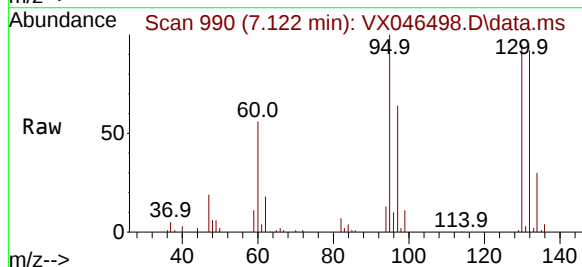
Acq: 04 Jun 2025 14:15

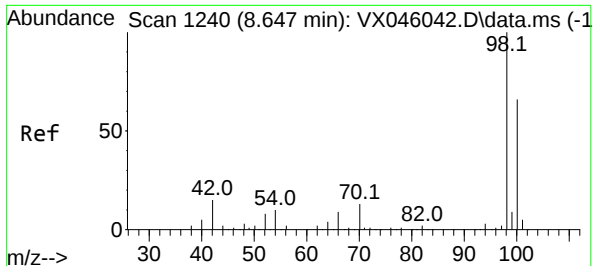
Tgt Ion:130 Resp: 36397

Ion Ratio Lower Upper

130 100

95 104.8 0.0 204.2





#50

Toluene-d8

Concen: 49.967 ug/l

RT: 8.646 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

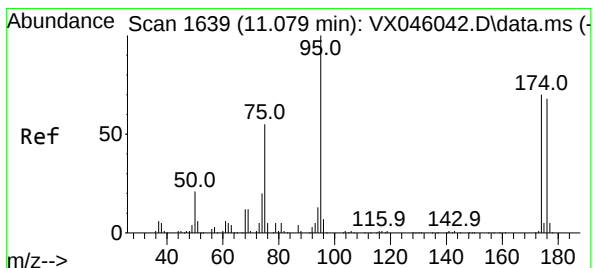
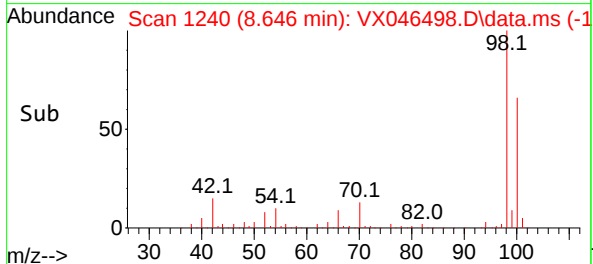
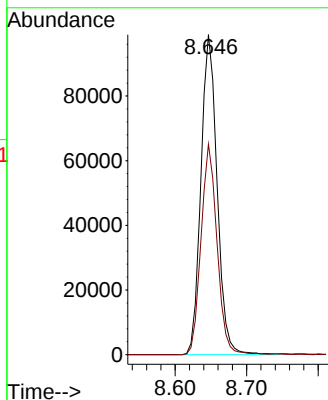
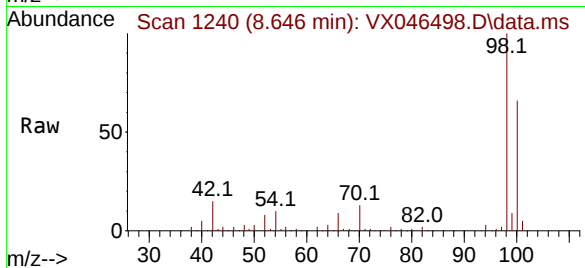
RMW-02B-66-060325DL

Tgt Ion: 98 Resp: 155704

Ion Ratio Lower Upper

98 100

100 65.0 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 53.350 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

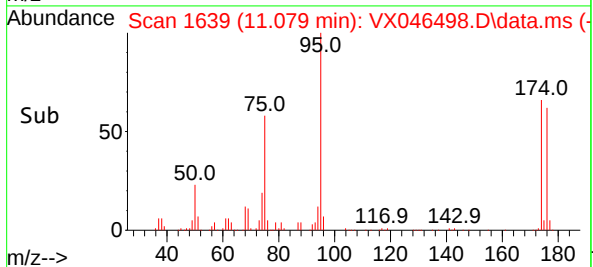
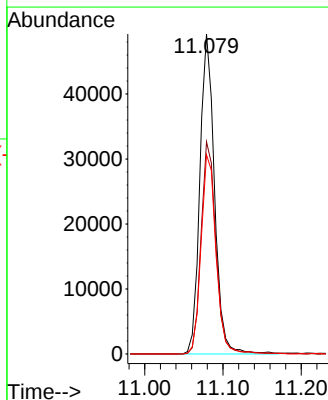
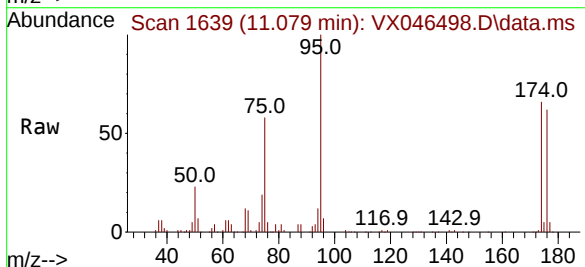
Tgt Ion: 95 Resp: 63770

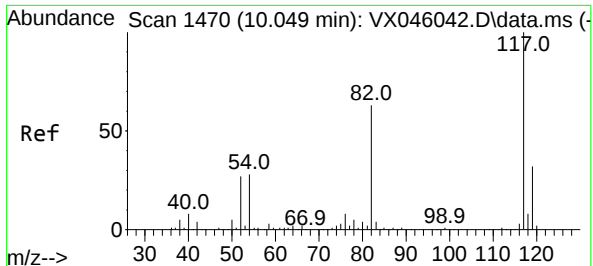
Ion Ratio Lower Upper

95 100

174 67.4 0.0 135.8

176 64.0 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325DL

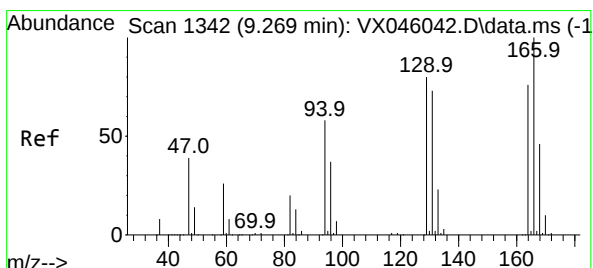
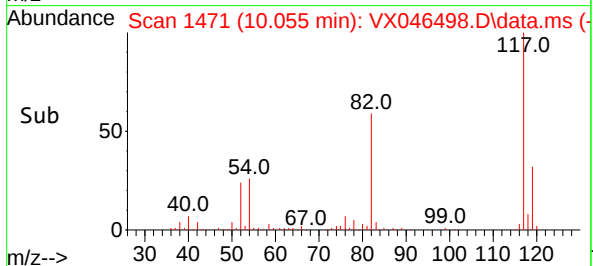
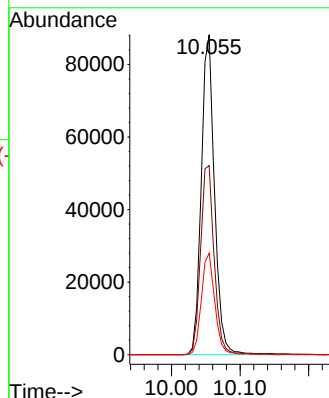
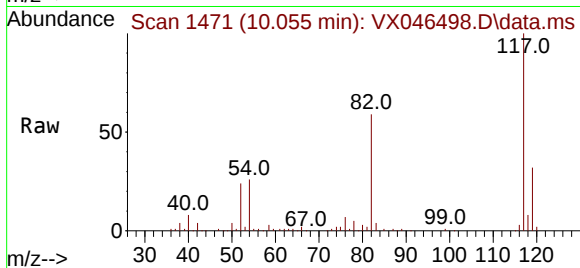
Tgt Ion:117 Resp: 118665

Ion Ratio Lower Upper

117 100

82 59.1 50.6 76.0

119 31.7 25.8 38.6



#64

Tetrachloroethene

Concen: 0.616 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX046498.D

Acq: 04 Jun 2025 14:15

Tgt Ion:164 Resp: 517

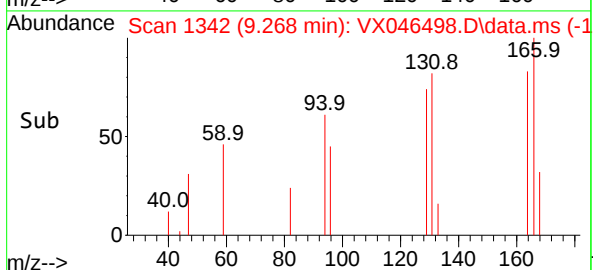
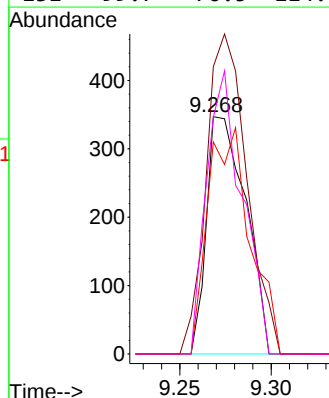
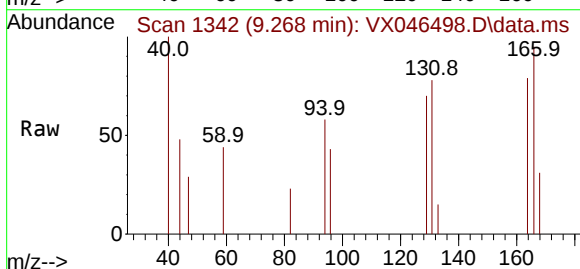
Ion Ratio Lower Upper

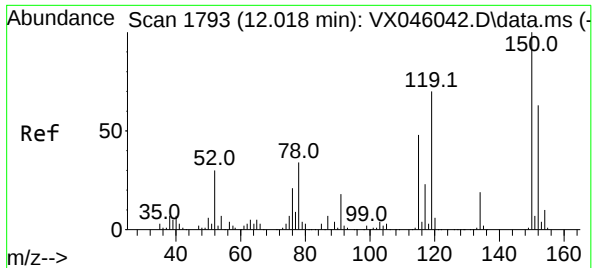
164 100

166 121.0 105.0 157.6

129 89.3 83.5 125.3

131 99.7 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046498.D

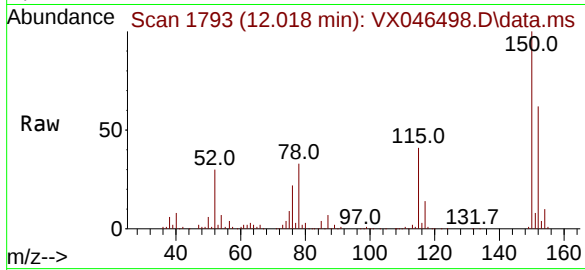
Acq: 04 Jun 2025 14:15

Instrument :

MSVOA_X

ClientSampleId :

RMW-02B-66-060325DL



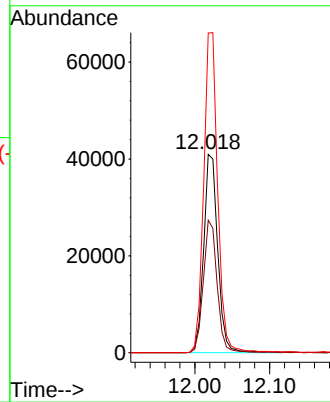
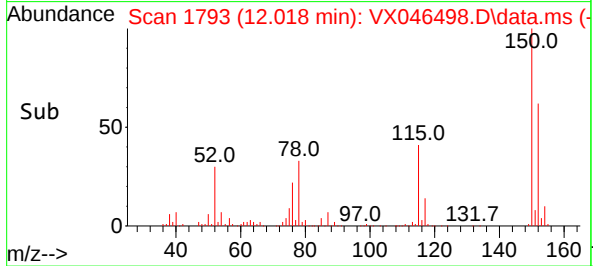
Tgt Ion:152 Resp: 53639

Ion Ratio Lower Upper

152 100

115 65.3 46.9 140.7

150 160.9 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046499.D
 Acq On : 04 Jun 2025 14:39
 Operator : JC/MD
 Sample : Q2200-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-03B-90-060325

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 05 01:55:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

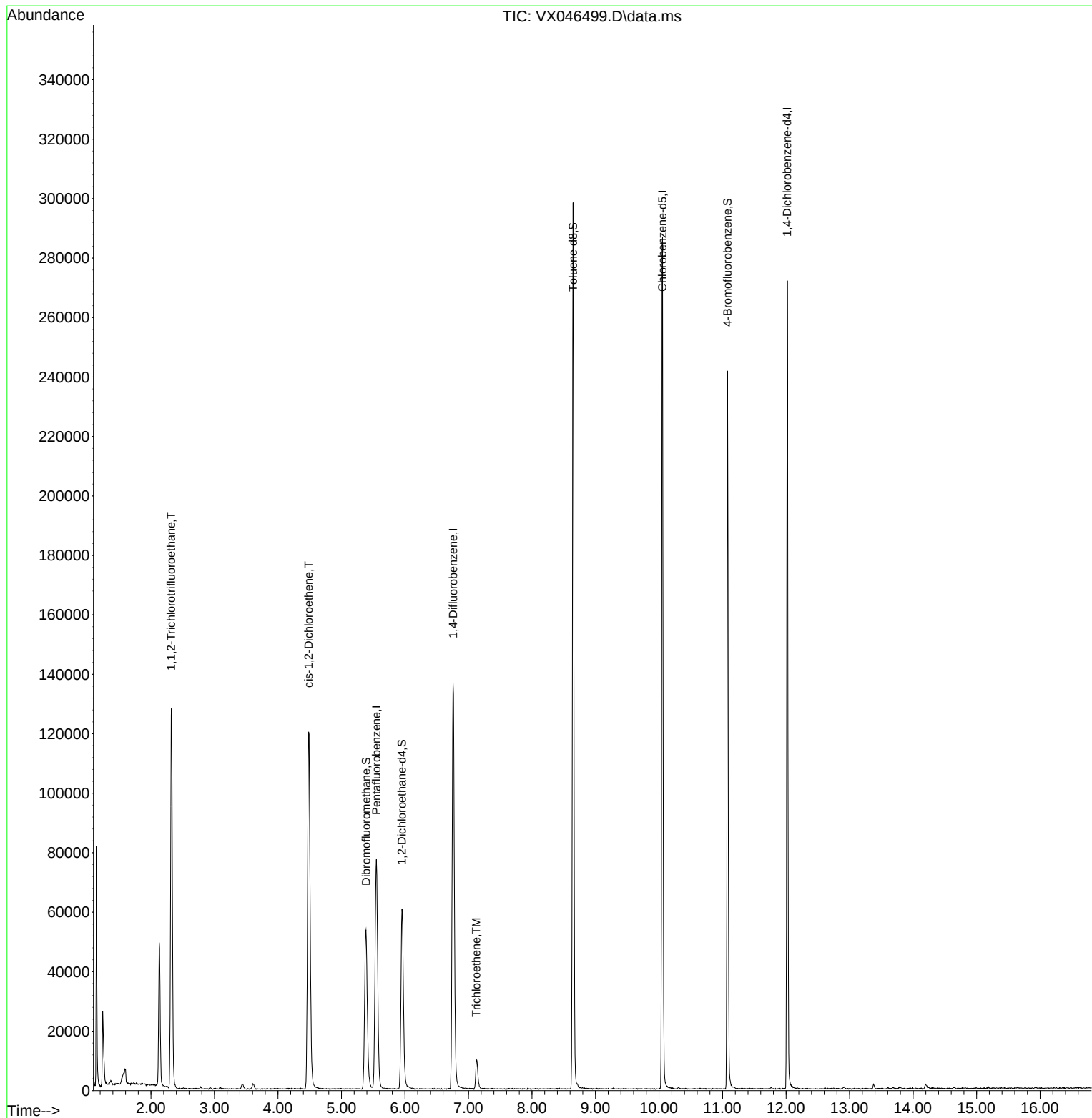
Internal Standards						
1) Pentafluorobenzene	5.550	168	65911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132066	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62626	50.965	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.940%	
35) Dibromofluoromethane	5.385	113	47755	50.215	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.420%	
50) Toluene-d8	8.647	98	165809	50.374	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.740%	
62) 4-Bromofluorobenzene	11.079	95	63901	50.610	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.220%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.319	101	51247	61.541	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	73087	77.246	ug/l	89
44) Trichloroethene	7.123	130	3998	4.438	ug/l	92

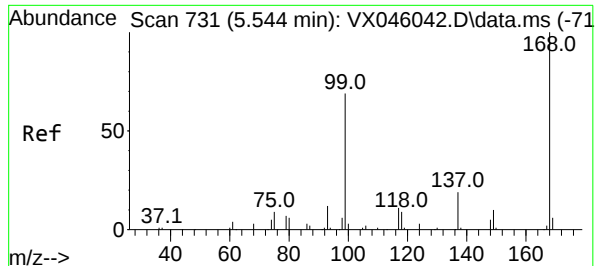
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046499.D
Acq On : 04 Jun 2025 14:39
Operator : JC/MD
Sample : Q2200-02 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-060325

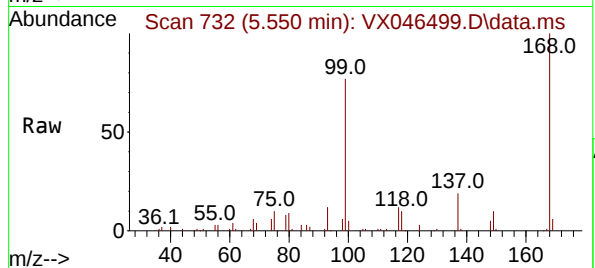
Quant Time: Jun 05 01:55:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



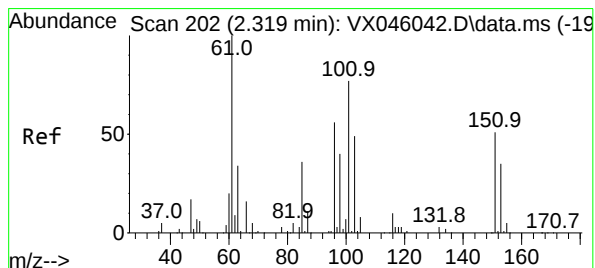
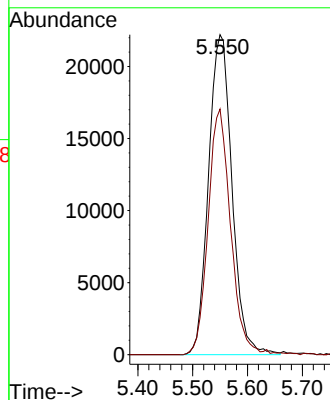
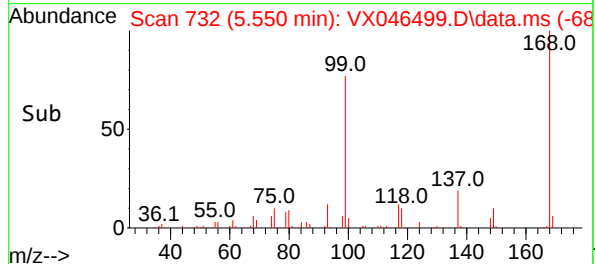


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046499.D
Acq: 04 Jun 2025 14:39

Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-060325

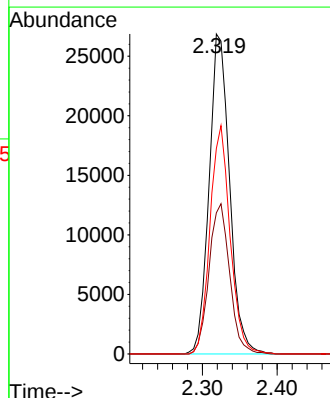
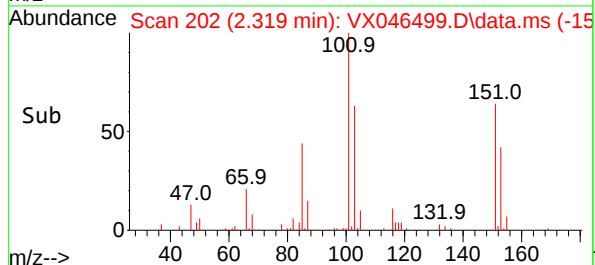
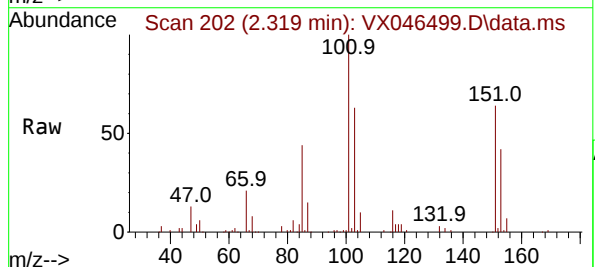


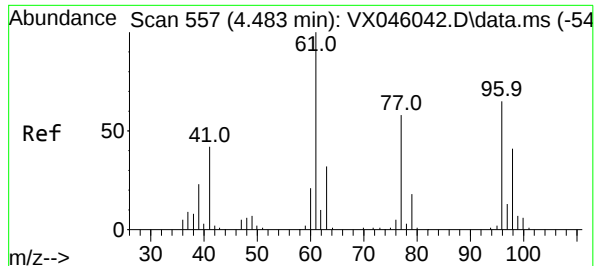
Tgt Ion:168 Resp: 65911
Ion Ratio Lower Upper
168 100
99 76.7 54.9 82.3



#9
1,1,2-Trichlorotrifluoroethane
Concen: 61.541 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX046499.D
Acq: 04 Jun 2025 14:39

Tgt Ion:101 Resp: 51247
Ion Ratio Lower Upper
101 100
85 47.4 38.6 58.0
151 70.2 55.2 82.8





#27

cis-1,2-Dichloroethene

Concen: 77.246 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX046499.D

Acq: 04 Jun 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

RMW-03B-90-060325

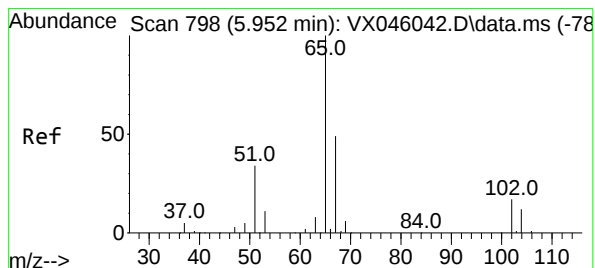
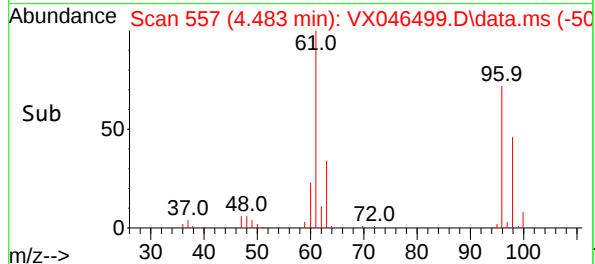
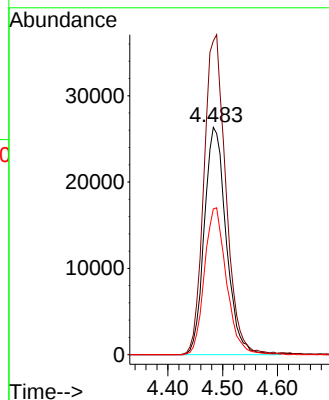
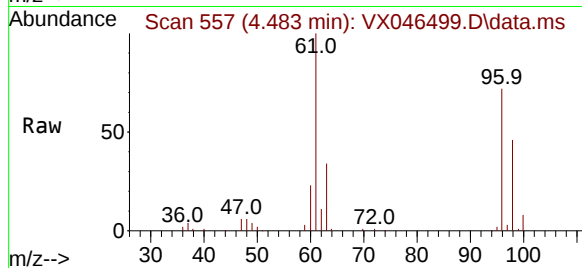
Tgt Ion: 96 Resp: 73087

Ion Ratio Lower Upper

96 100

61 140.7 0.0 322.8

98 64.8 0.0 129.0



#33

1,2-Dichloroethane-d4

Concen: 50.965 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046499.D

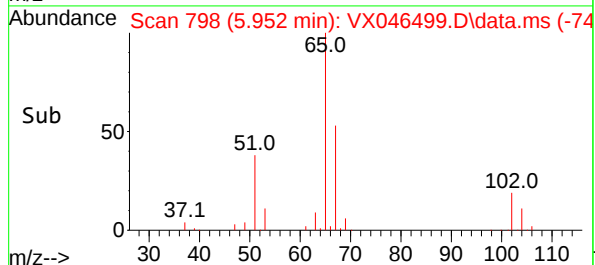
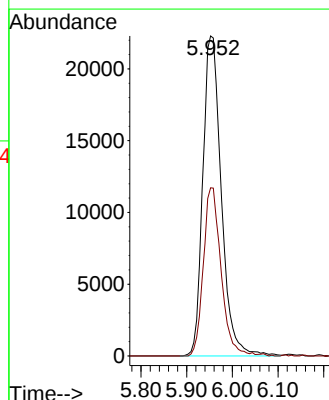
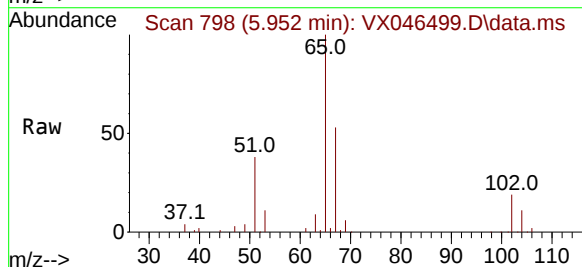
Acq: 04 Jun 2025 14:39

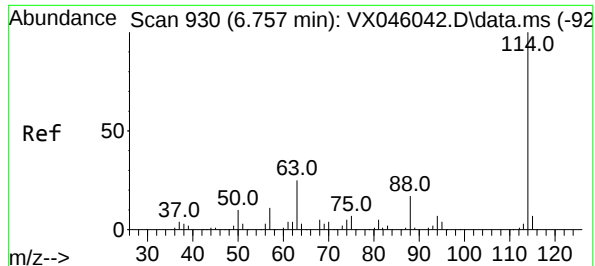
Tgt Ion: 65 Resp: 62626

Ion Ratio Lower Upper

65 100

67 50.3 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046499.D

Acq: 04 Jun 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

RMW-03B-90-060325

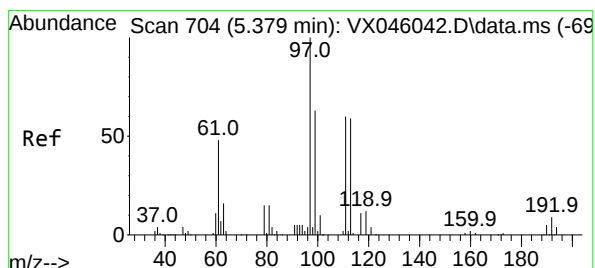
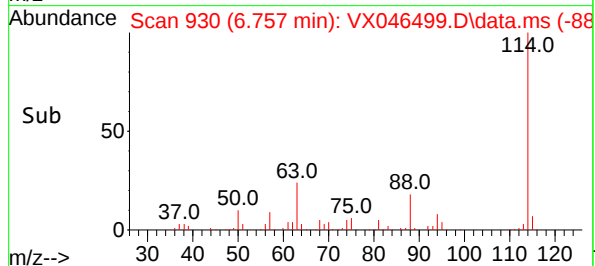
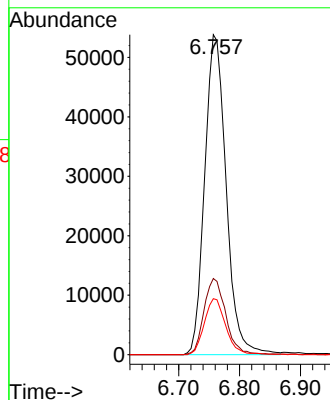
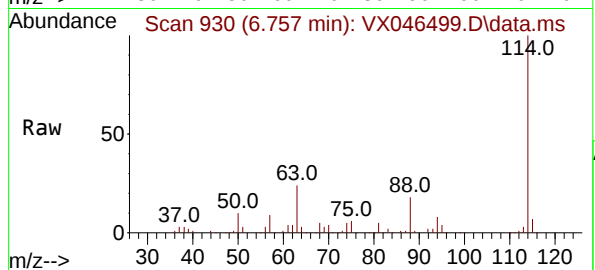
Tgt Ion:114 Resp: 132066

Ion Ratio Lower Upper

114 100

63 23.8 0.0 49.2

88 17.5 0.0 33.6



#35

Dibromofluoromethane

Concen: 50.215 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX046499.D

Acq: 04 Jun 2025 14:39

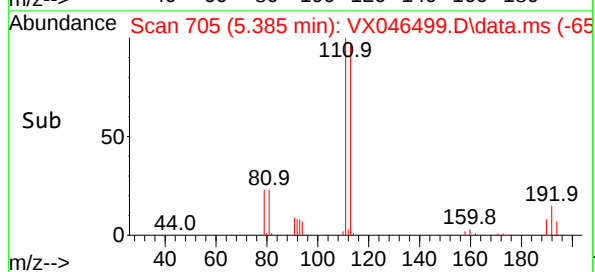
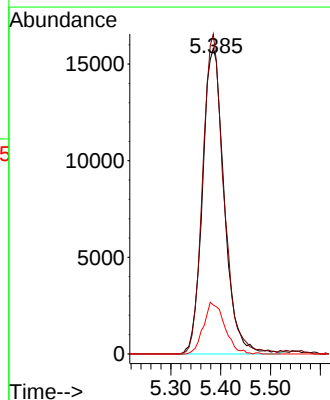
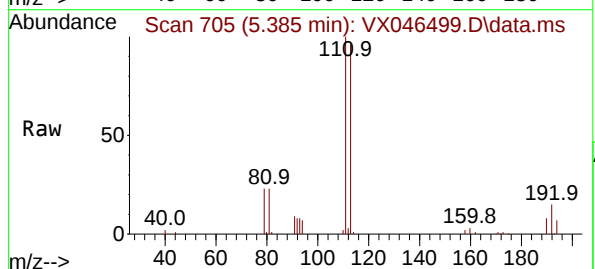
Tgt Ion:113 Resp: 47755

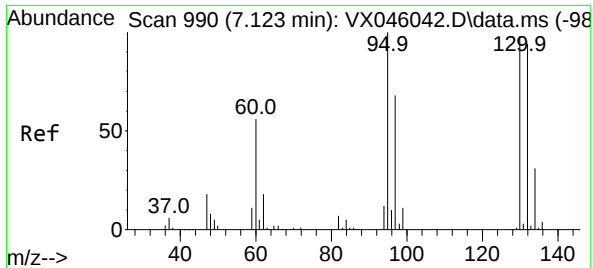
Ion Ratio Lower Upper

113 100

111 101.8 83.1 124.7

192 16.5 13.3 19.9

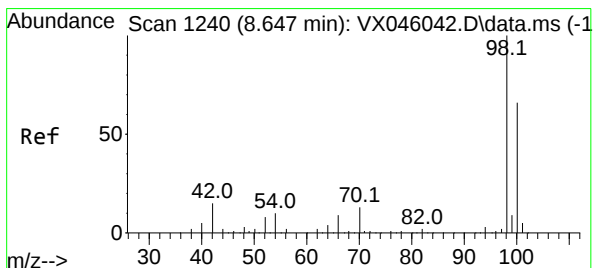
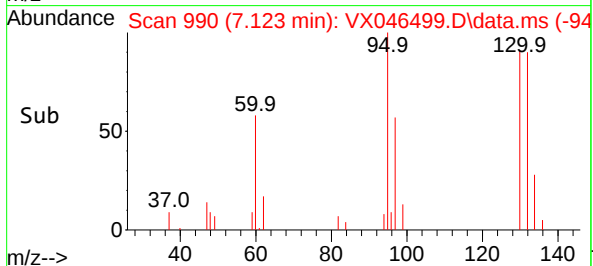
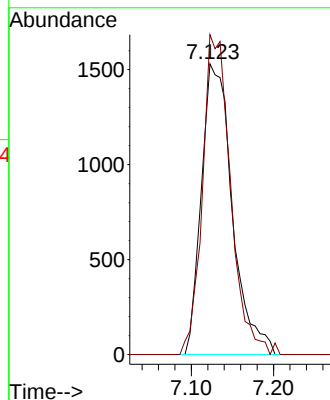
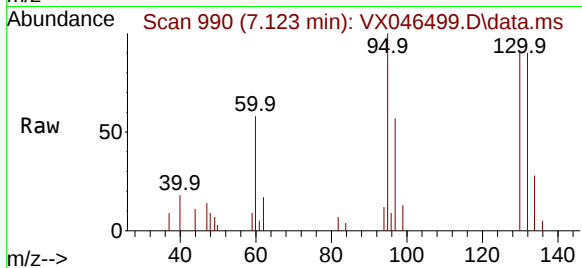




#44
Trichloroethene
Concen: 4.438 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046499.D
Acq: 04 Jun 2025 14:39

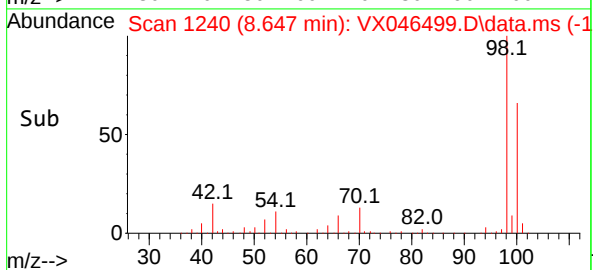
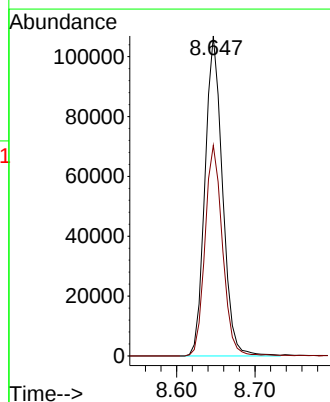
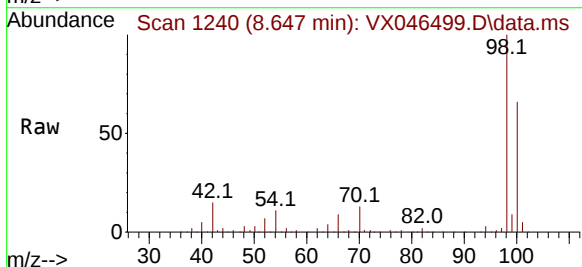
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-060325

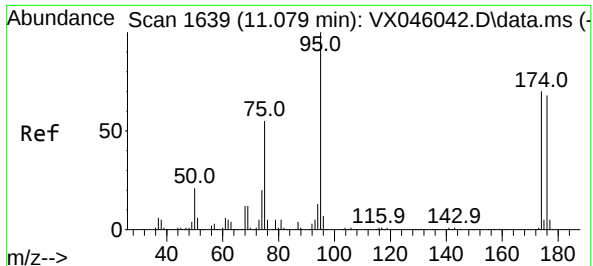
Tgt Ion:130 Resp: 3998
Ion Ratio Lower Upper
130 100
95 110.0 0.0 204.2



#50
Toluene-d8
Concen: 50.374 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046499.D
Acq: 04 Jun 2025 14:39

Tgt Ion: 98 Resp: 165809
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 50.610 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046499.D

Acq: 04 Jun 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

RMW-03B-90-060325

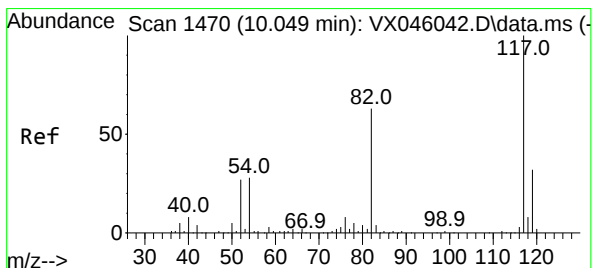
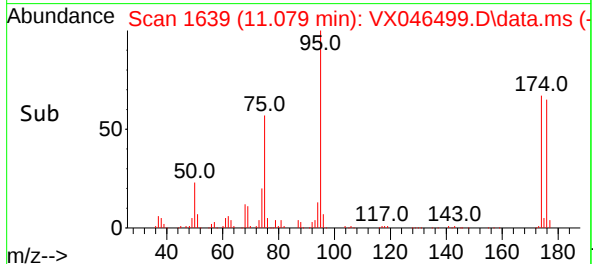
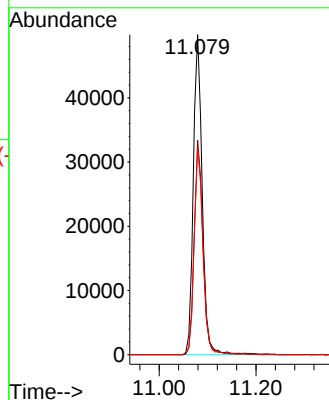
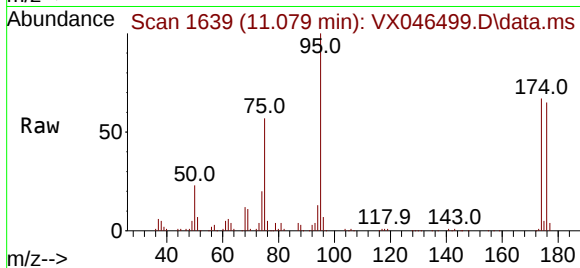
Tgt Ion: 95 Resp: 63901

Ion Ratio Lower Upper

95 100

174 65.9 0.0 135.8

176 63.6 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX046499.D

Acq: 04 Jun 2025 14:39

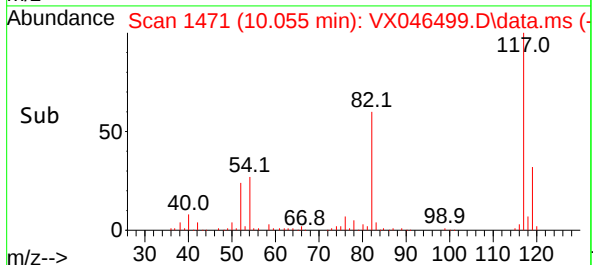
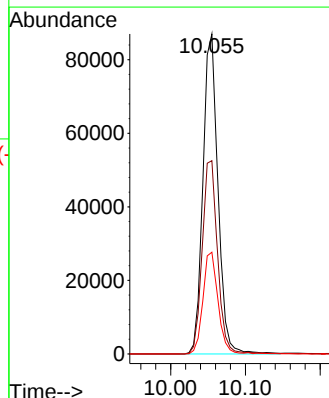
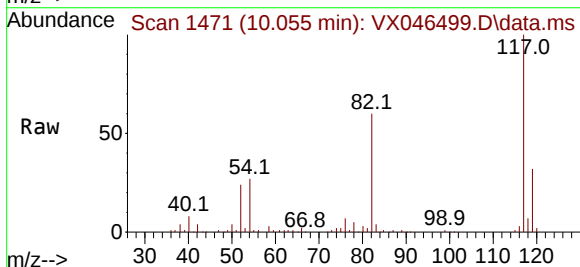
Tgt Ion: 117 Resp: 121549

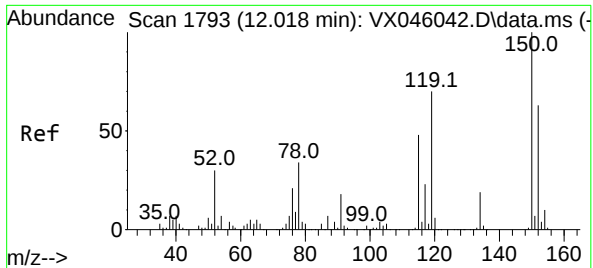
Ion Ratio Lower Upper

117 100

82 60.4 50.6 76.0

119 31.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046499.D

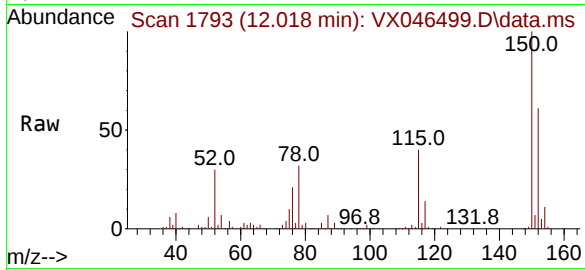
Acq: 04 Jun 2025 14:39

Instrument :

MSVOA_X

ClientSampleId :

RMW-03B-90-060325



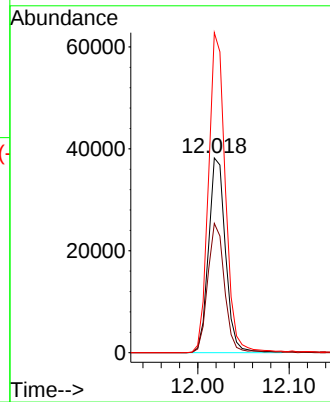
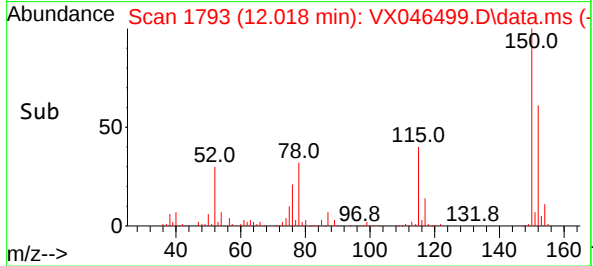
Tgt Ion:152 Resp: 49186

Ion Ratio Lower Upper

152 100

115 66.0 46.9 140.7

150 163.5 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046504.D
 Acq On : 04 Jun 2025 16:37
 Operator : JC/MD
 Sample : Q2200-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-060325

Quant Time: Jun 05 02:01:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

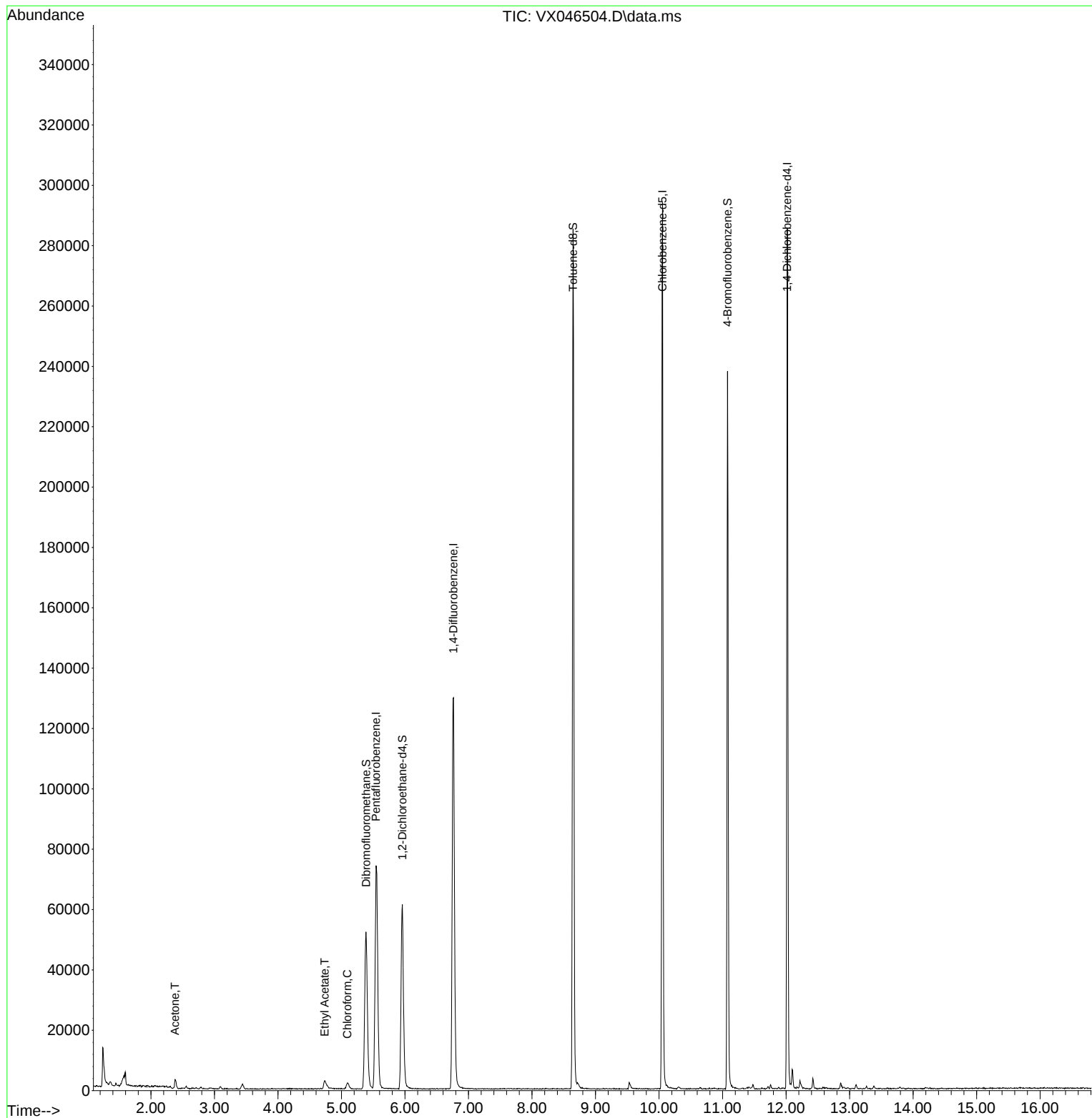
Internal Standards						
1) Pentafluorobenzene	5.544	168	64028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128366	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62415	52.288	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.580%
35) Dibromofluoromethane	5.385	113	45744	49.487	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.980%
50) Toluene-d8	8.647	98	162070	50.657	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.320%
62) 4-Bromofluorobenzene	11.079	95	64642	52.673	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.340%
Target Compounds						
						Qvalue
16) Acetone	2.380	43	3467	7.244	ug/l	96
30) Chloroform	5.092	83	2645	1.626	ug/l	96
37) Ethyl Acetate	4.733	43	5638	3.674	ug/l #	81

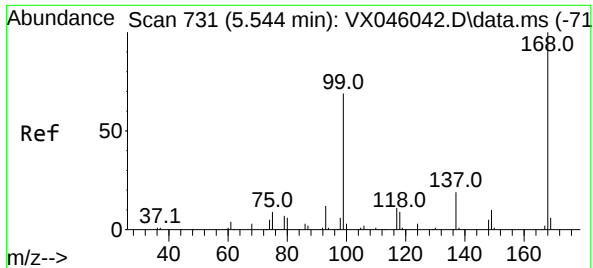
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046504.D
Acq On : 04 Jun 2025 16:37
Operator : JC/MD
Sample : Q2200-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

Quant Time: Jun 05 02:01:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

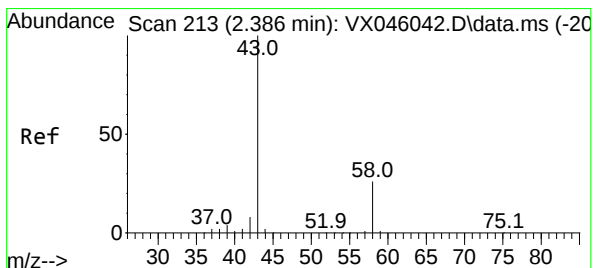
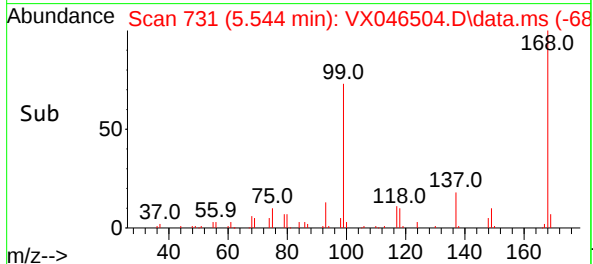
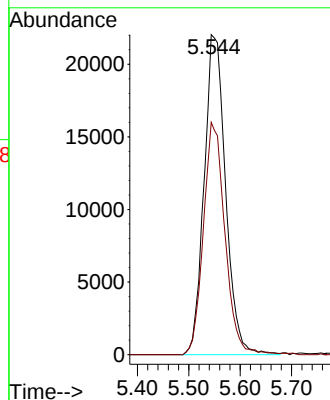
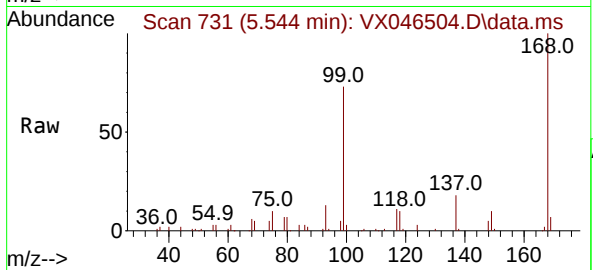




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

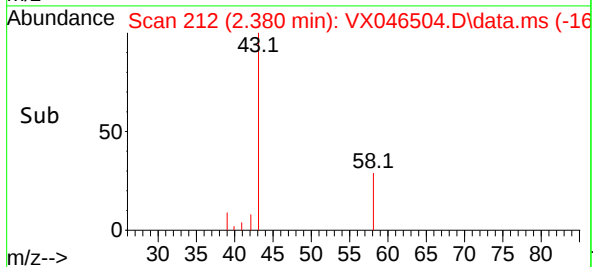
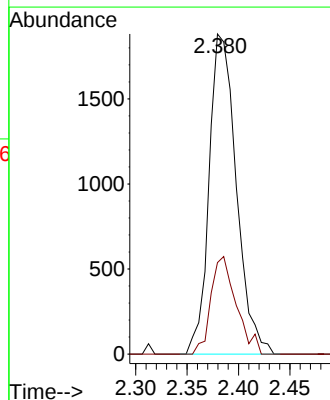
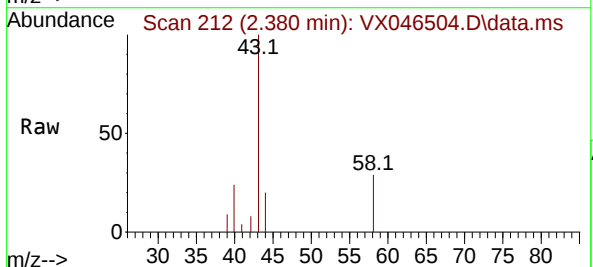
Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

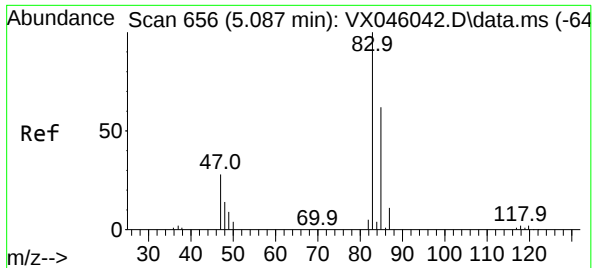
Tgt Ion:168 Resp: 64028
Ion Ratio Lower Upper
168 100
99 72.6 54.9 82.3



#16
Acetone
Concen: 7.244 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Tgt Ion: 43 Resp: 3467
Ion Ratio Lower Upper
43 100
58 28.6 21.2 31.8





#30

Chloroform

Concen: 1.626 ug/l

RT: 5.092 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX046504.D

Acq: 04 Jun 2025 16:37

Instrument :

MSVOA_X

ClientSampleId :

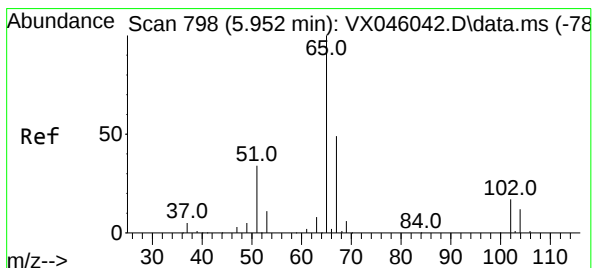
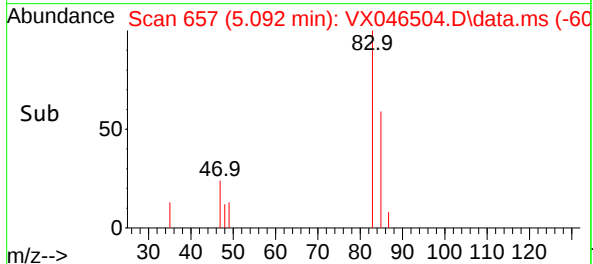
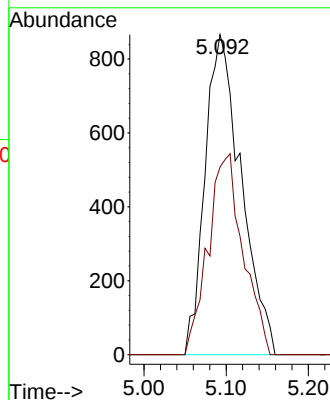
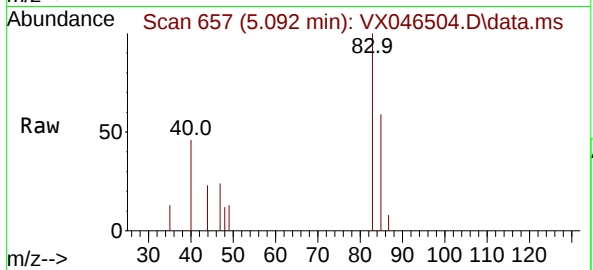
EB01-060325

Tgt Ion: 83 Resp: 2645

Ion Ratio Lower Upper

83 100

85 58.7 49.3 73.9



#33

1,2-Dichloroethane-d4

Concen: 52.288 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX046504.D

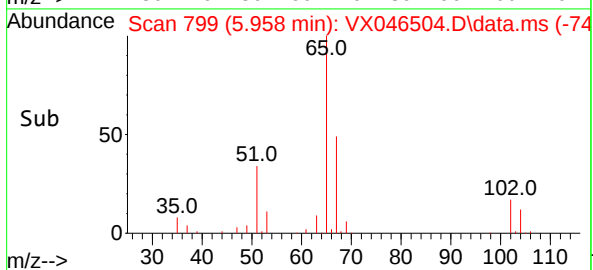
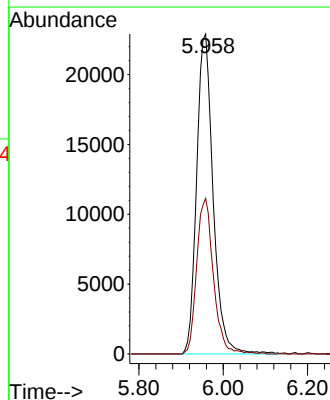
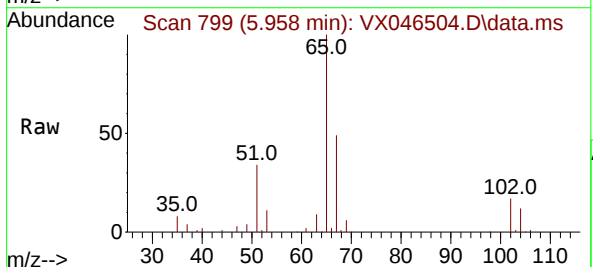
Acq: 04 Jun 2025 16:37

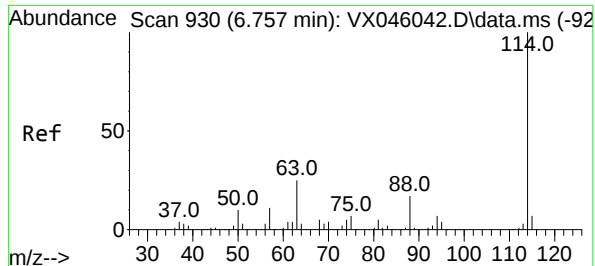
Tgt Ion: 65 Resp: 62415

Ion Ratio Lower Upper

65 100

67 49.2 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX046504.D

Acq: 04 Jun 2025 16:37

Instrument :

MSVOA_X

ClientSampleId :

EB01-060325

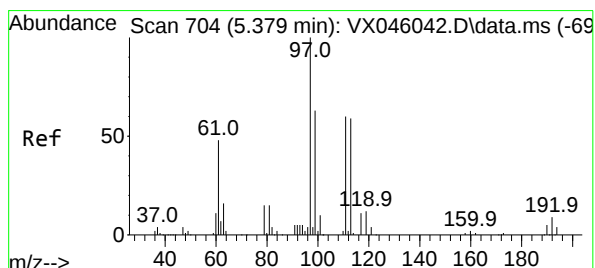
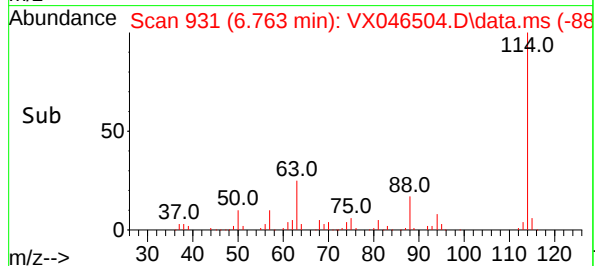
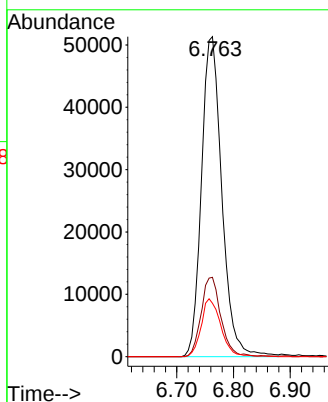
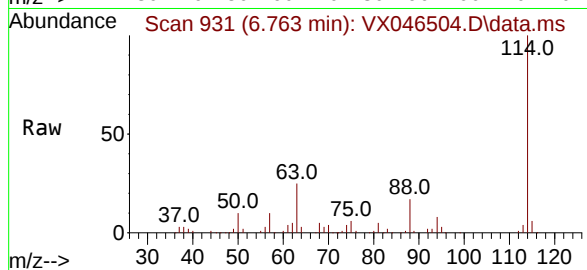
Tgt Ion:114 Resp: 128366

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

88 16.7 0.0 33.6



#35

Dibromofluoromethane

Concen: 49.487 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX046504.D

Acq: 04 Jun 2025 16:37

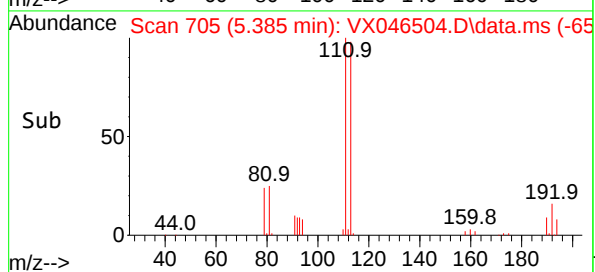
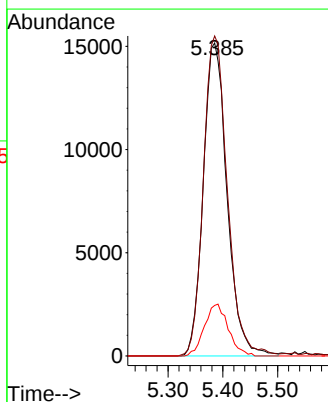
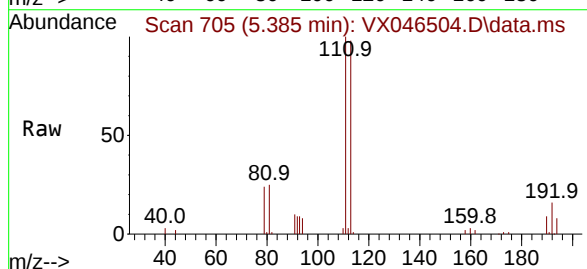
Tgt Ion:113 Resp: 45744

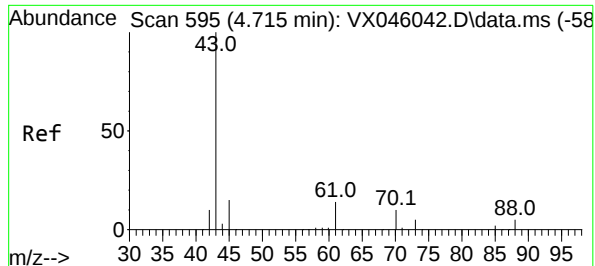
Ion Ratio Lower Upper

113 100

111 102.9 83.1 124.7

192 16.6 13.3 19.9





#37

Ethyl Acetate

Concen: 3.674 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

Lab File: VX046504.D

Acq: 04 Jun 2025 16:37

Instrument :

MSVOA_X

ClientSampleId :

EB01-060325

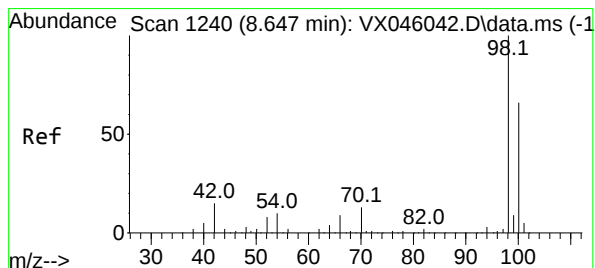
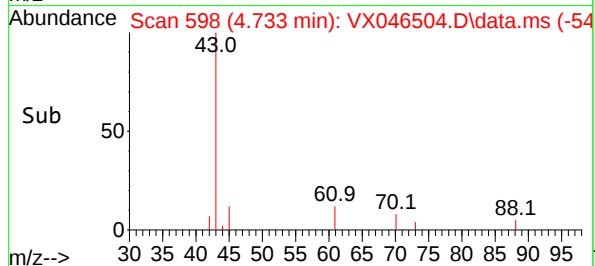
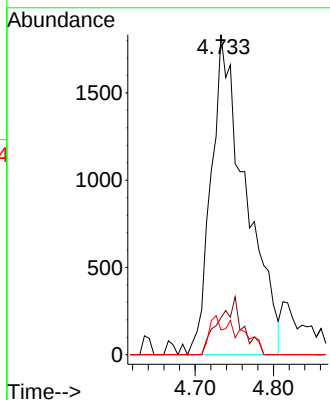
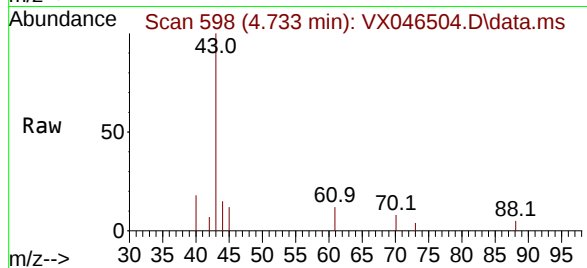
Tgt Ion: 43 Resp: 5638

Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

70 10.5 7.9 11.9



#50

Toluene-d8

Concen: 50.657 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046504.D

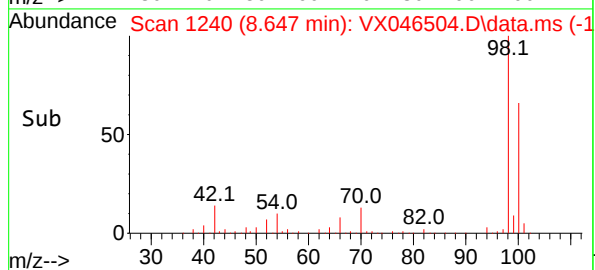
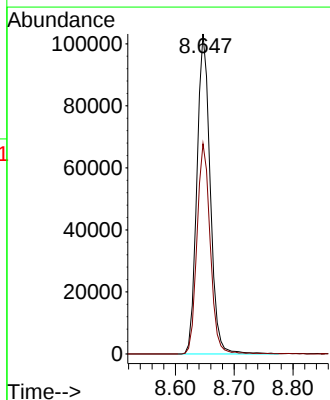
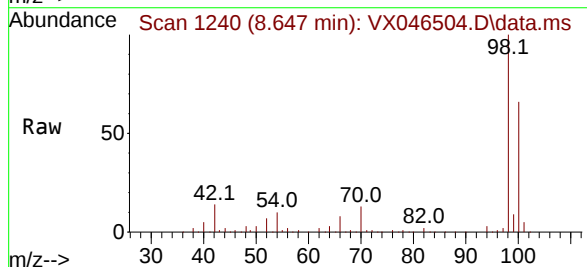
Acq: 04 Jun 2025 16:37

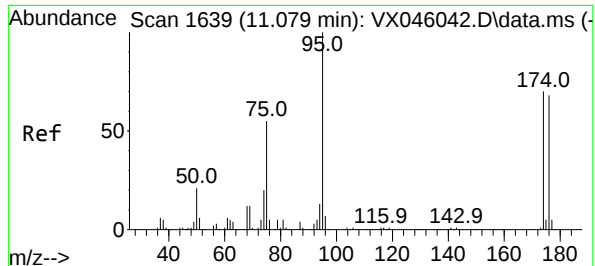
Tgt Ion: 98 Resp: 162070

Ion Ratio Lower Upper

98 100

100 65.3 53.5 80.3

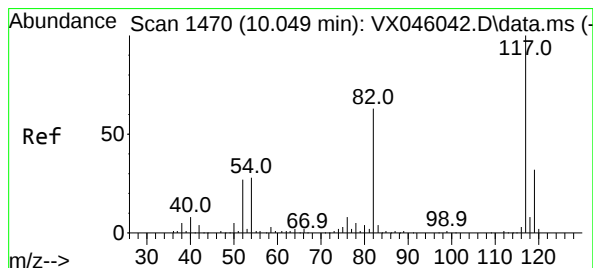
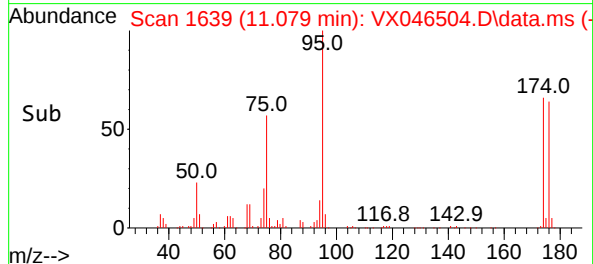
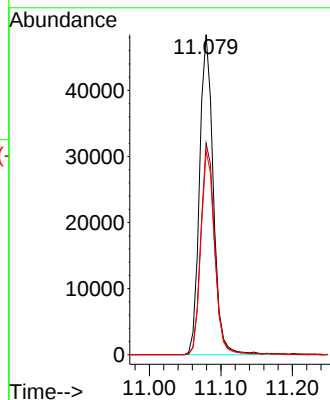
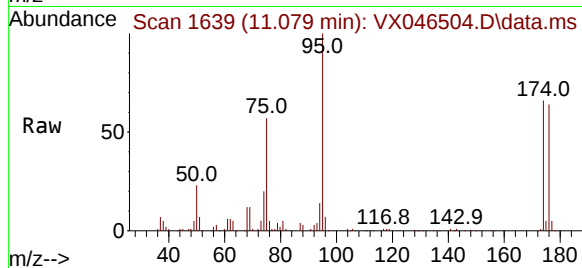




#62
4-Bromofluorobenzene
Concen: 52.673 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

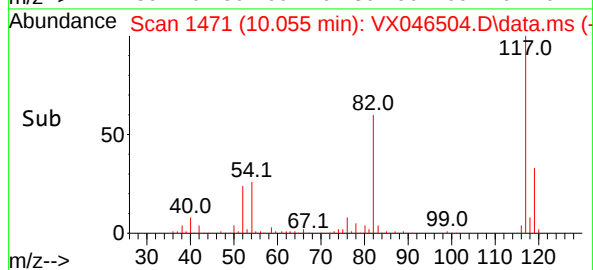
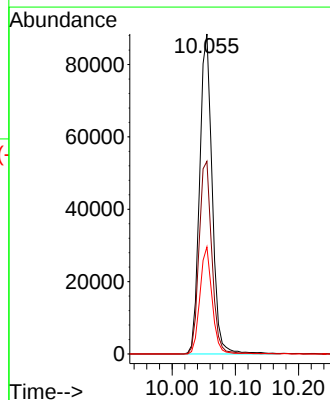
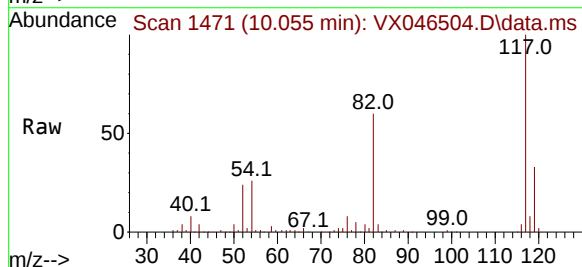
Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

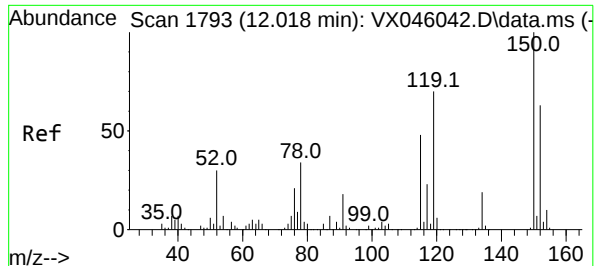
Tgt Ion: 95 Resp: 64642
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.8
176 63.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Tgt Ion: 117 Resp: 122354
Ion Ratio Lower Upper
117 100
82 60.2 50.6 76.0
119 33.5 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046504.D

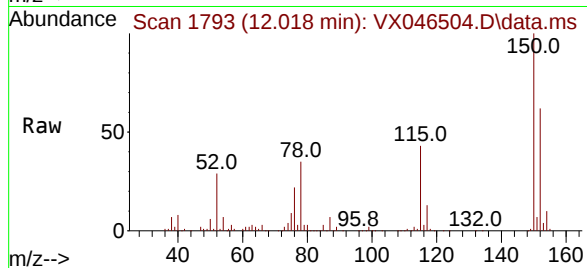
Acq: 04 Jun 2025 16:37

Instrument :

MSVOA_X

ClientSampleId :

EB01-060325



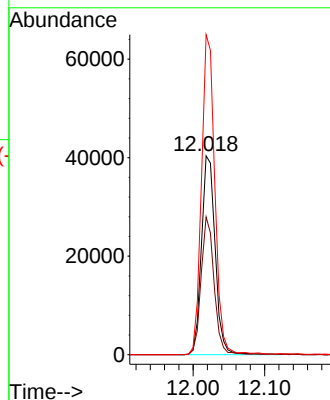
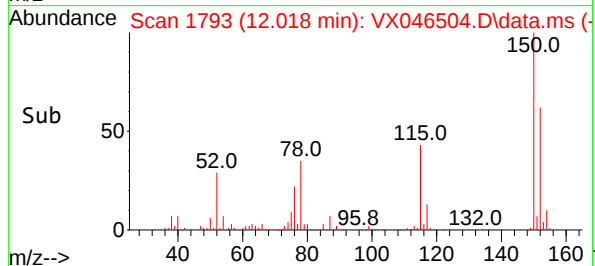
Tgt Ion:152 Resp: 53968

Ion Ratio Lower Upper

152 100

115 65.5 46.9 140.7

150 156.7 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046500.D
 Acq On : 04 Jun 2025 15:02
 Operator : JC/MD
 Sample : Q2200-05 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11B-37.5-060325

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 05 01:56:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

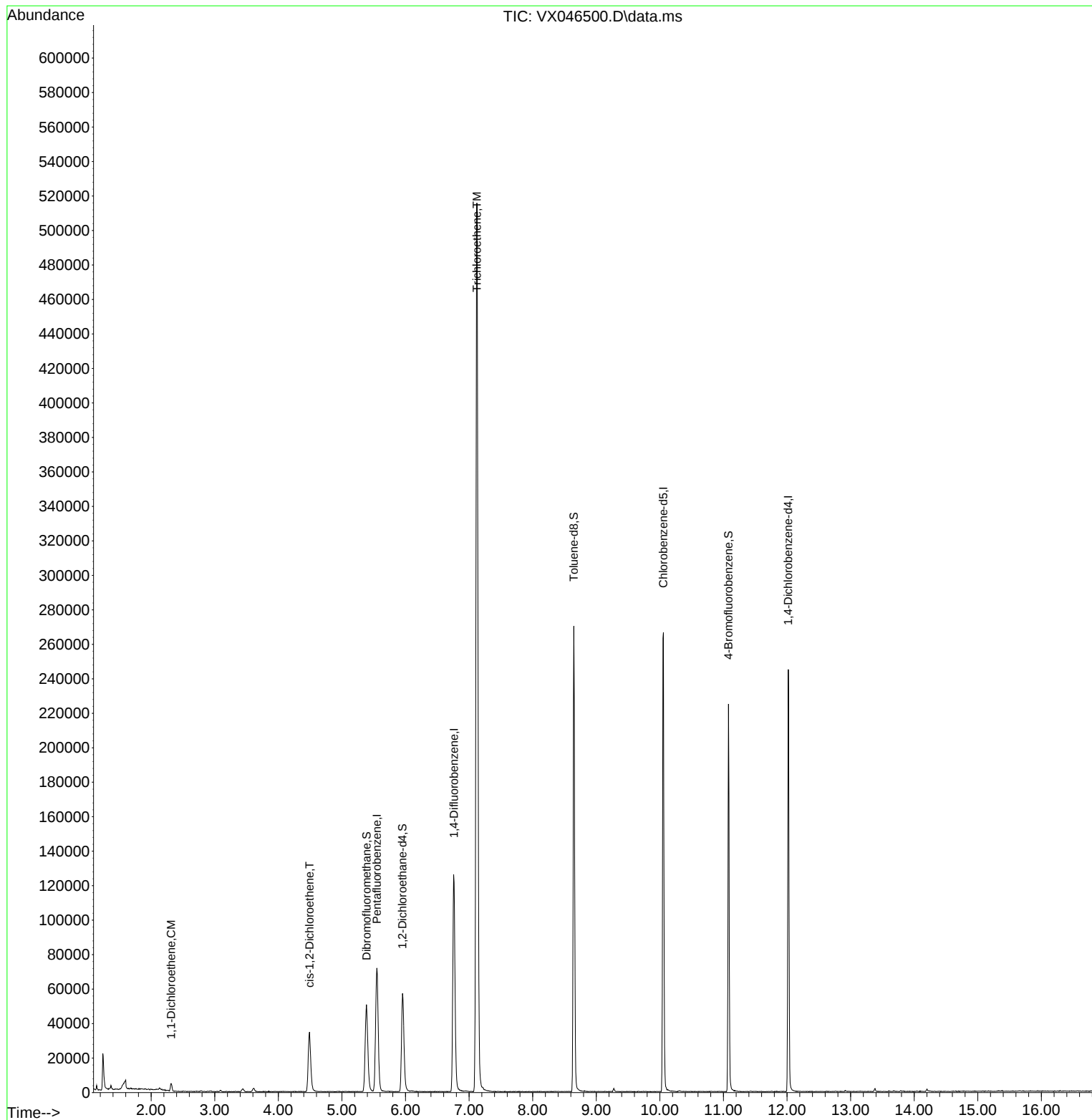
Internal Standards						
1) Pentafluorobenzene	5.550	168	61191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	121976	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59444	52.107	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.220%
35) Dibromofluoromethane	5.385	113	43765	49.826	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.660%
50) Toluene-d8	8.647	98	151455	49.819	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.640%
62) 4-Bromofluorobenzene	11.079	95	59009	50.602	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.200%
Target Compounds						
						Qvalue
12) 1,1-Dichloroethene	2.313	96	1260	1.737	ug/l	# 95
27) cis-1,2-Dichloroethene	4.489	96	20620	23.474	ug/l	89
44) Trichloroethene	7.123	130	188738	226.852	ug/l	96

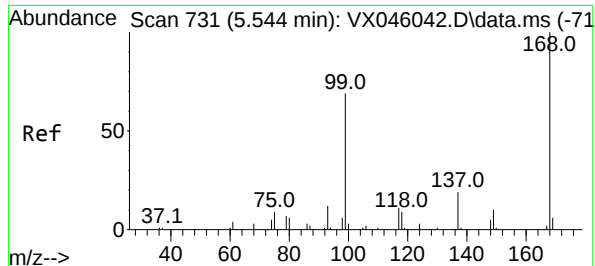
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046500.D
Acq On : 04 Jun 2025 15:02
Operator : JC/MD
Sample : Q2200-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325

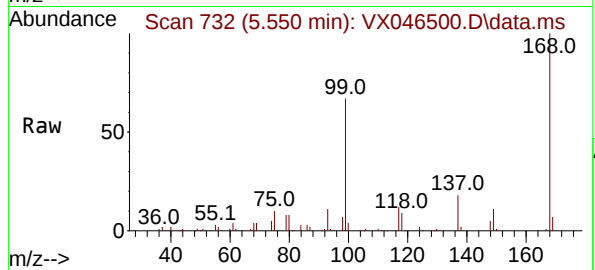
Quant Time: Jun 05 01:56:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



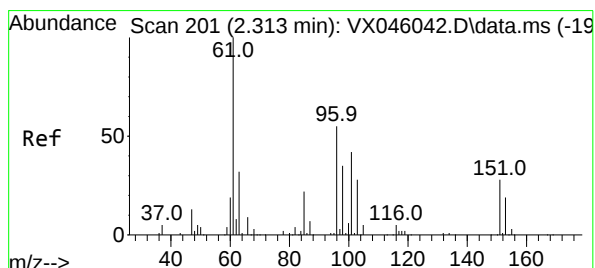
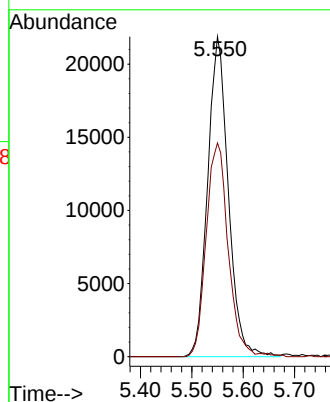
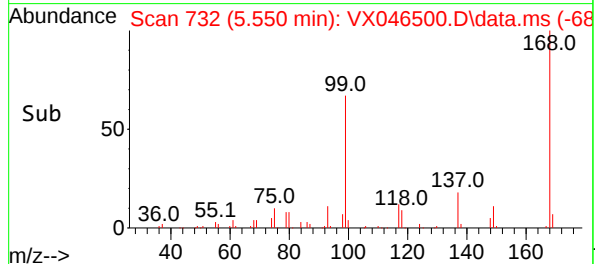


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325

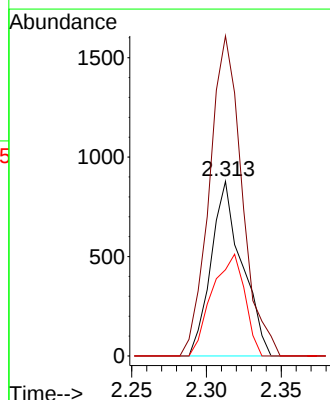
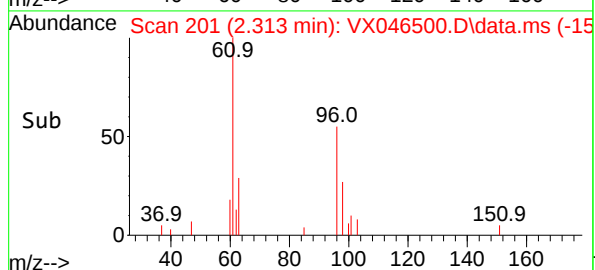
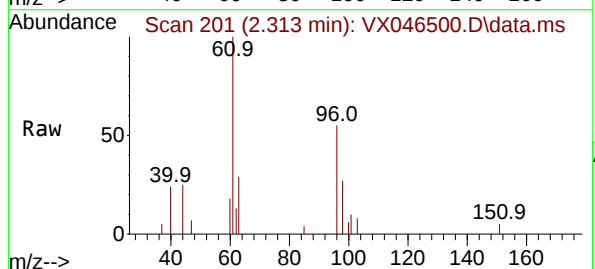


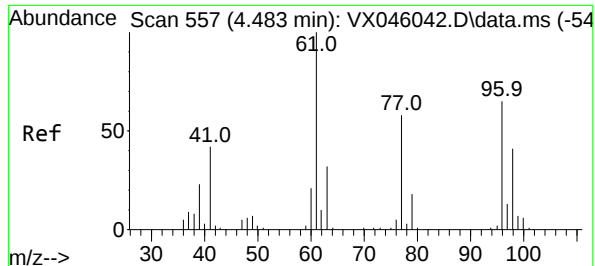
Tgt Ion:168 Resp: 61191
Ion Ratio Lower Upper
168 100
99 66.8 54.9 82.3



#12
1,1-Dichloroethene
Concen: 1.737 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046500.D
Acq: 04 Jun 2025 15:02

Tgt Ion: 96 Resp: 1260
Ion Ratio Lower Upper
96 100
61 183.3 146.2 219.2
98 49.4 51.0 76.6#





#27

cis-1,2-Dichloroethene

Concen: 23.474 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX046500.D

Acq: 04 Jun 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-37.5-060325

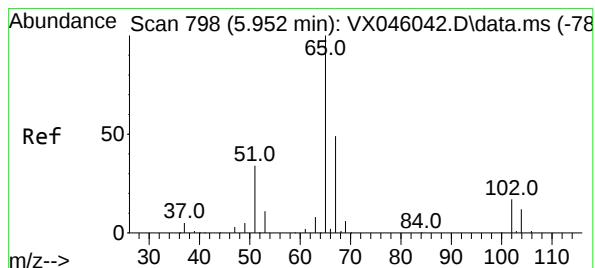
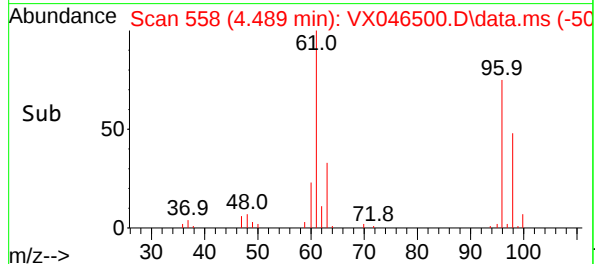
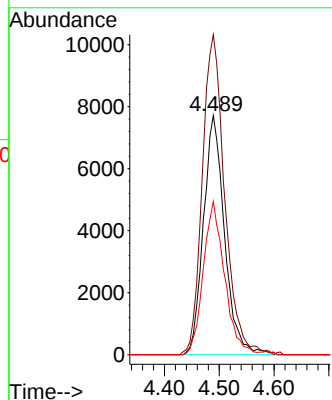
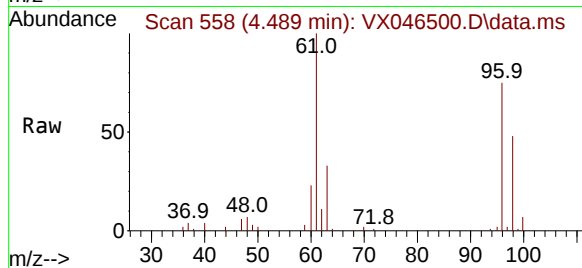
Tgt Ion: 96 Resp: 20620

Ion Ratio Lower Upper

96 100

61 141.8 0.0 322.8

98 64.3 0.0 129.0



#33

1,2-Dichloroethane-d4

Concen: 52.107 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046500.D

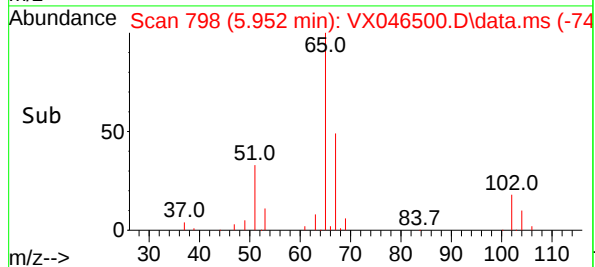
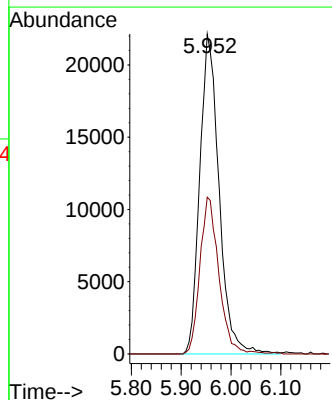
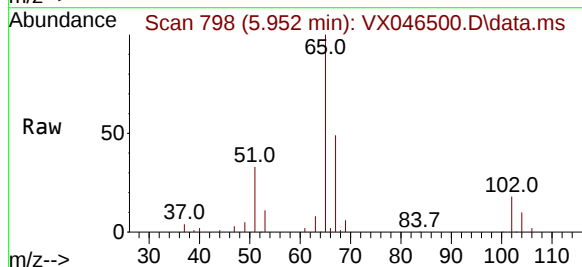
Acq: 04 Jun 2025 15:02

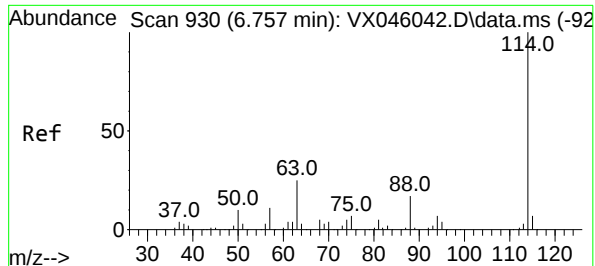
Tgt Ion: 65 Resp: 59444

Ion Ratio Lower Upper

65 100

67 48.2 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX046500.D

Acq: 04 Jun 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-37.5-060325

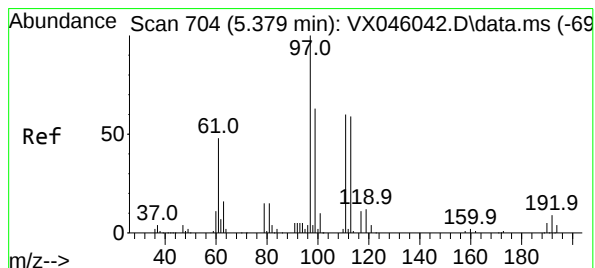
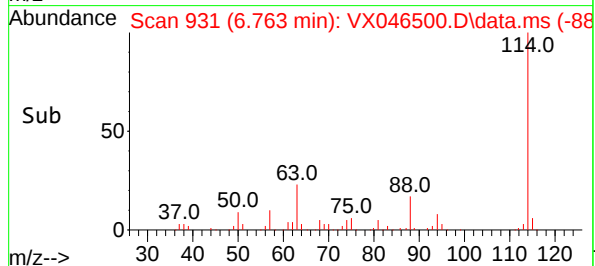
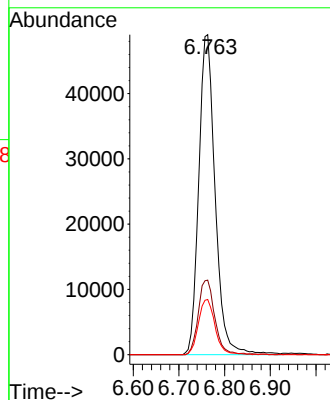
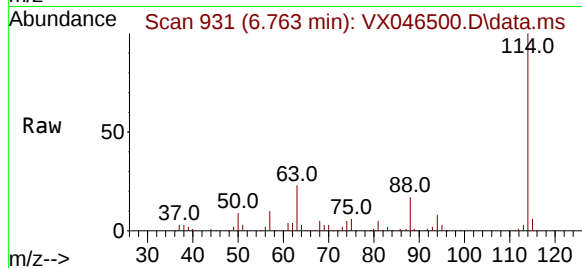
Tgt Ion:114 Resp: 121976

Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.2

88 17.3 0.0 33.6



#35

Dibromofluoromethane

Concen: 49.826 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX046500.D

Acq: 04 Jun 2025 15:02

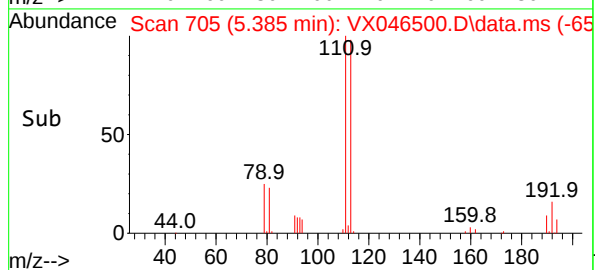
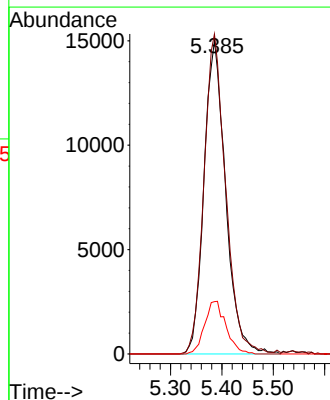
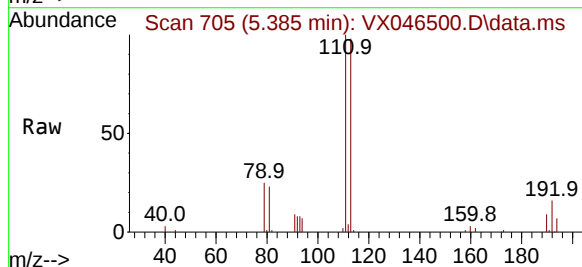
Tgt Ion:113 Resp: 43765

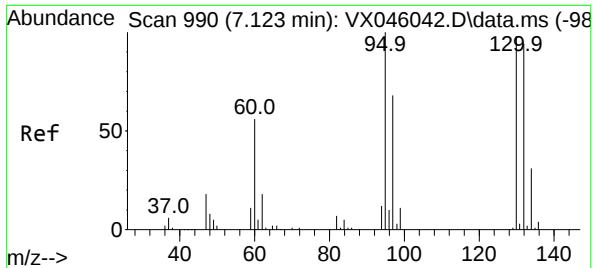
Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

192 16.6 13.3 19.9





#44

Trichloroethene

Concen: 226.852 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX046500.D

Acq: 04 Jun 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

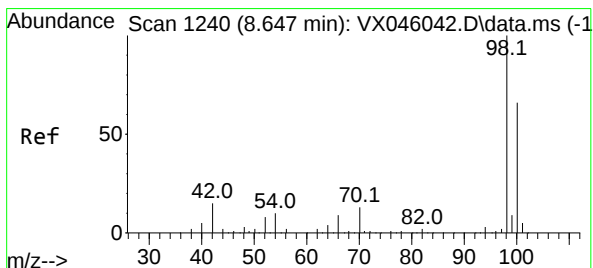
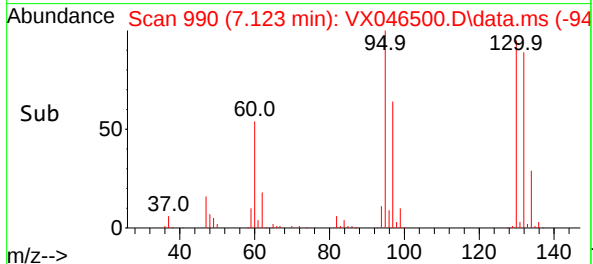
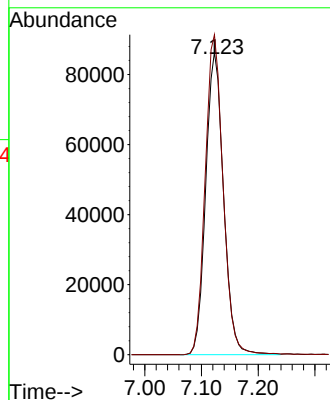
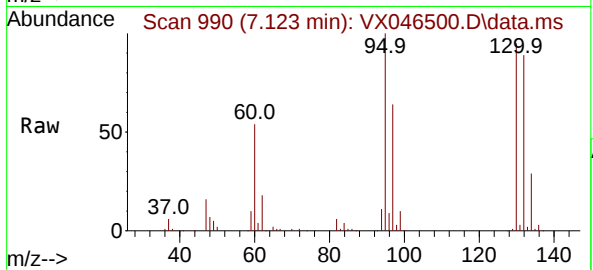
MW-11B-37.5-060325

Tgt Ion:130 Resp: 188738

Ion Ratio Lower Upper

130 100

95 105.8 0.0 204.2



#50

Toluene-d8

Concen: 49.819 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046500.D

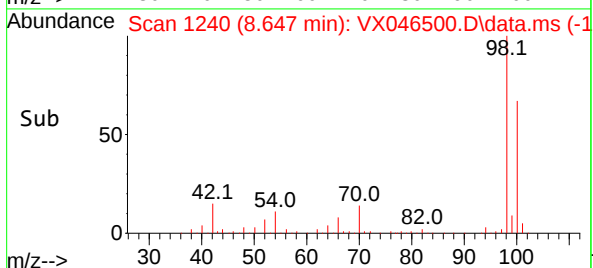
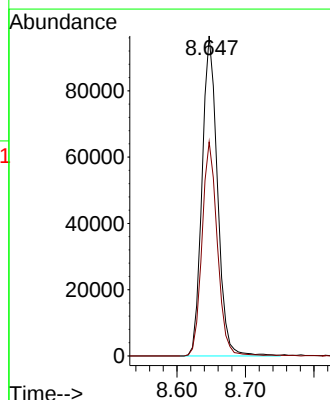
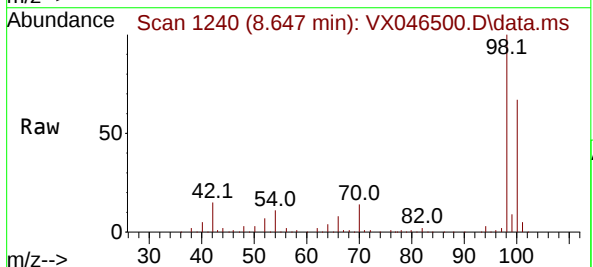
Acq: 04 Jun 2025 15:02

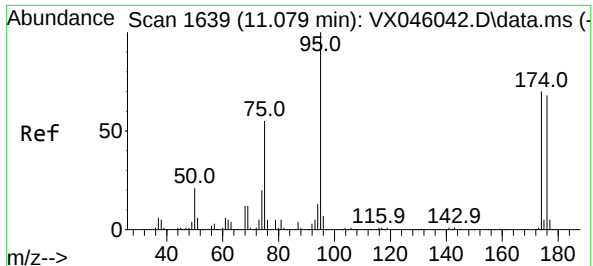
Tgt Ion: 98 Resp: 151455

Ion Ratio Lower Upper

98 100

100 66.5 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 50.602 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046500.D

Acq: 04 Jun 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-37.5-060325

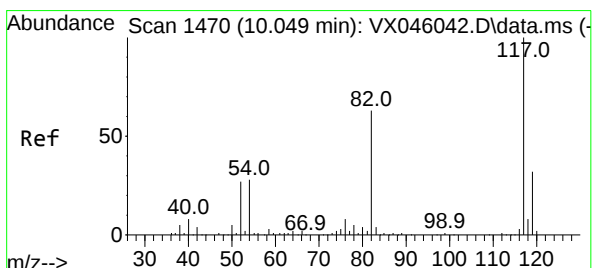
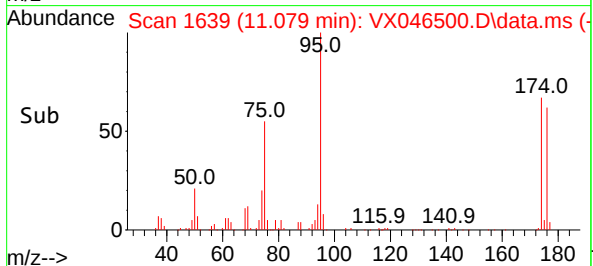
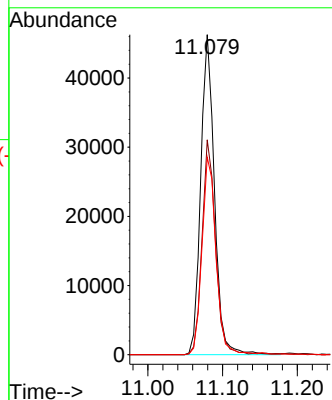
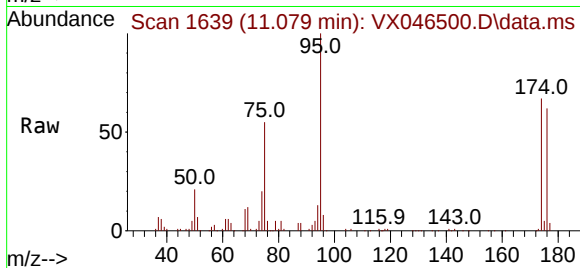
Tgt Ion: 95 Resp: 59009

Ion Ratio Lower Upper

95 100

174 65.9 0.0 135.8

176 62.9 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX046500.D

Acq: 04 Jun 2025 15:02

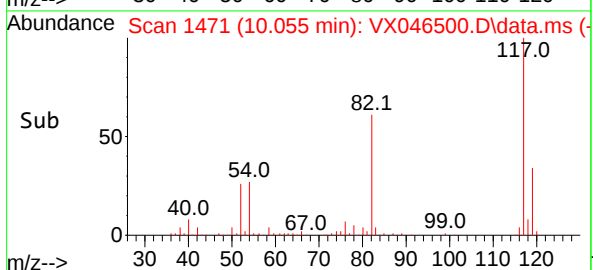
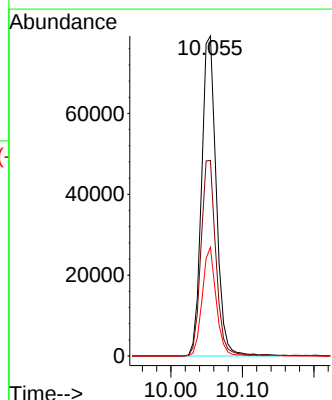
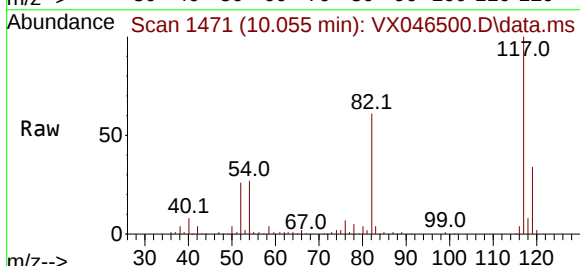
Tgt Ion: 117 Resp: 112952

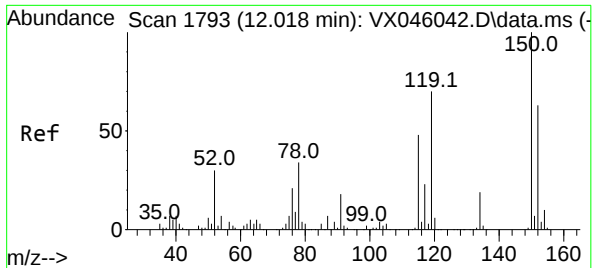
Ion Ratio Lower Upper

117 100

82 61.1 50.6 76.0

119 34.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046500.D

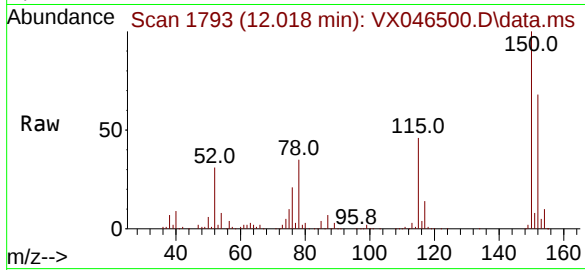
Acq: 04 Jun 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-37.5-060325



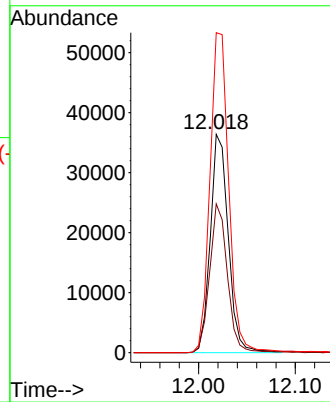
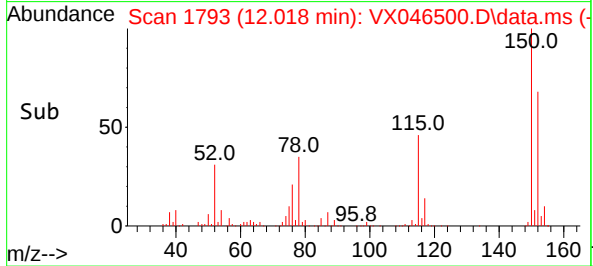
Tgt Ion:152 Resp: 47128

Ion Ratio Lower Upper

152 100

115 67.6 46.9 140.7

150 153.4 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046509.D
 Acq On : 04 Jun 2025 18:36
 Operator : JC/MD
 Sample : Q2200-05DL 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11B-37.5-060325DL

Quant Time: Jun 05 04:54:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

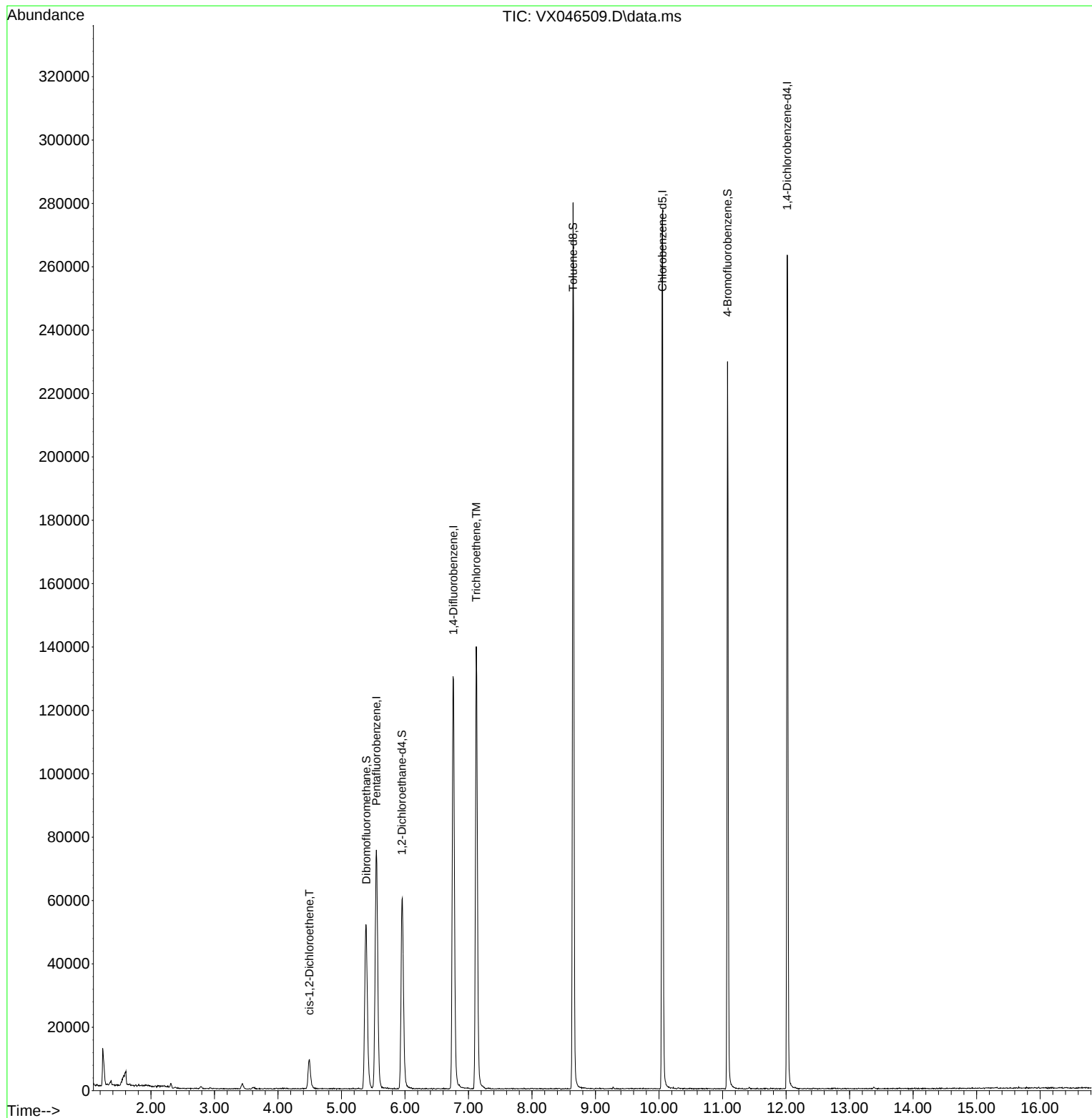
Internal Standards						
1) Pentafluorobenzene	5.550	168	63962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	127435	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62846	52.703	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.400%
35) Dibromofluoromethane	5.391	113	45821	49.932	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.860%
50) Toluene-d8	8.647	98	157691	49.648	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.300%
62) 4-Bromofluorobenzene	11.079	95	61278	50.297	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.600%
Target Compounds						
27) cis-1,2-Dichloroethene	4.495	96	5624	6.125	ug/l	Qvalue 90
44) Trichloroethene	7.123	130	48234	55.491	ug/l	94

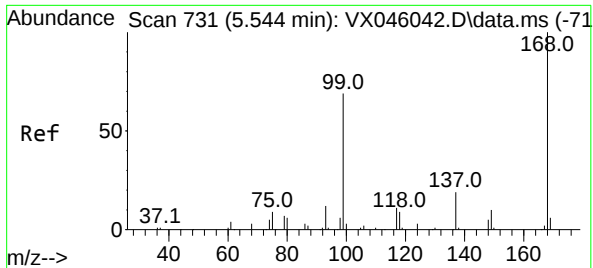
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046509.D
Acq On : 04 Jun 2025 18:36
Operator : JC/MD
Sample : Q2200-05DL 200X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325DL

Quant Time: Jun 05 04:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

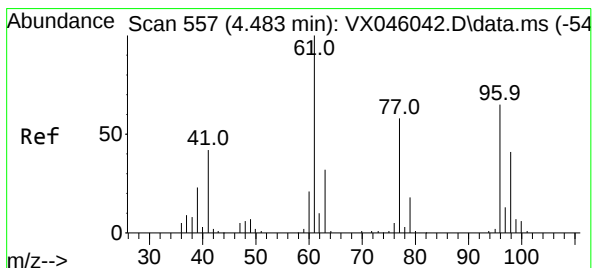
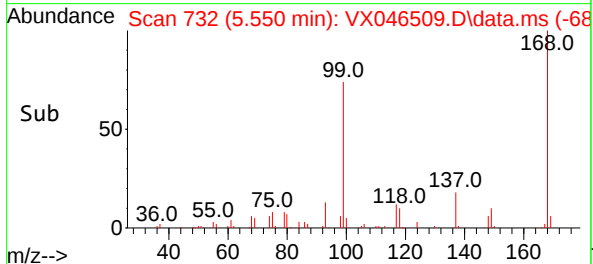
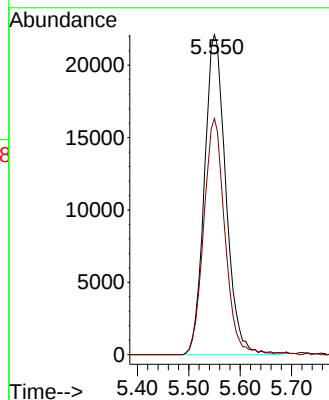
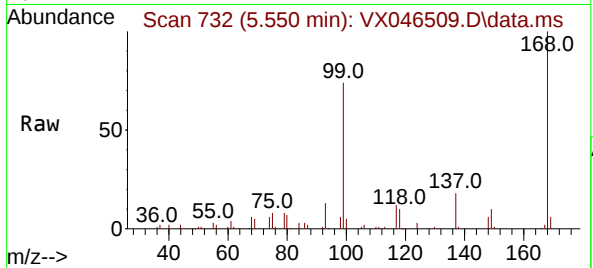




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046509.D
Acq: 04 Jun 2025 18:36

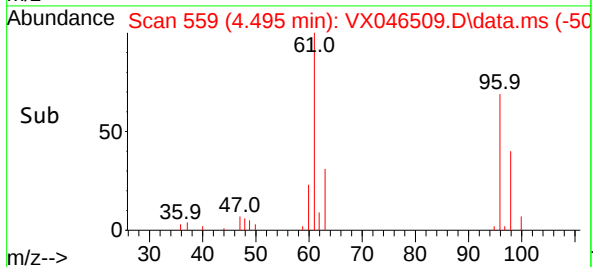
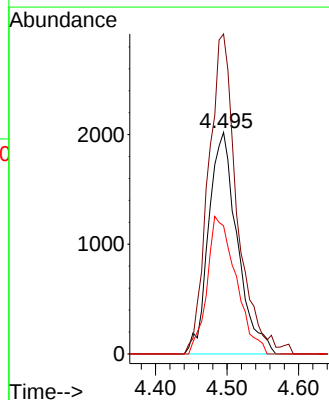
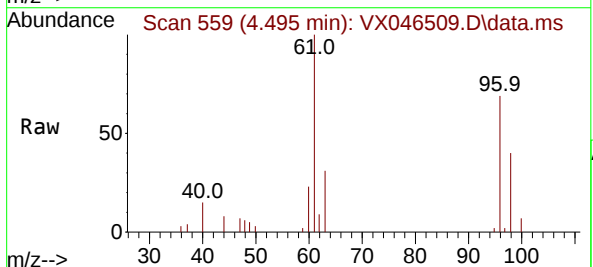
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-060325DL

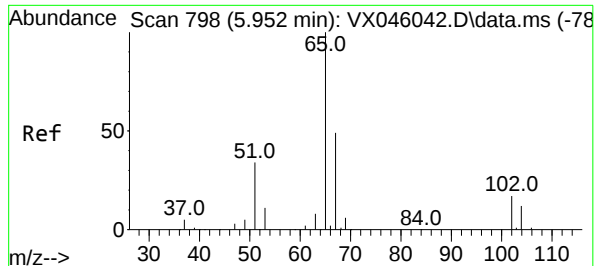
Tgt Ion:168 Resp: 63962
Ion Ratio Lower Upper
168 100
99 73.8 54.9 82.3



#27
cis-1,2-Dichloroethene
Concen: 6.125 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX046509.D
Acq: 04 Jun 2025 18:36

Tgt Ion: 96 Resp: 5624
Ion Ratio Lower Upper
96 100
61 143.6 0.0 322.8
98 62.4 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 52.703 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046509.D

Acq: 04 Jun 2025 18:36

Instrument :

MSVOA_X

ClientSampleId :

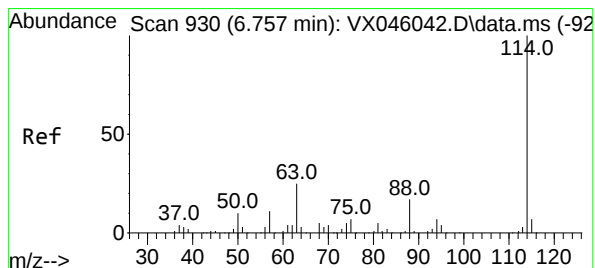
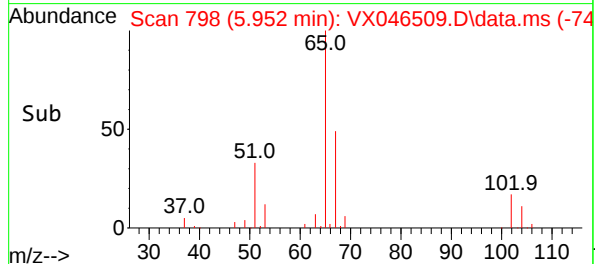
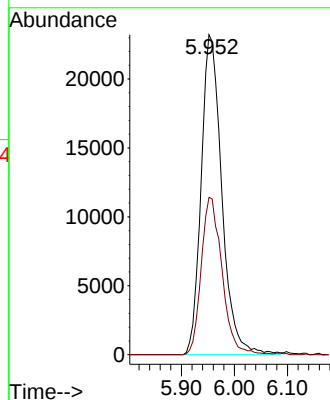
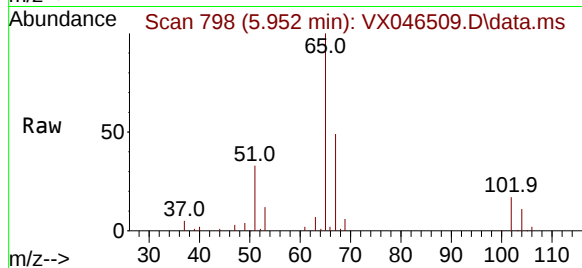
MW-11B-37.5-060325DL

Tgt Ion: 65 Resp: 62846

Ion Ratio Lower Upper

65 100

67 49.4 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX046509.D

Acq: 04 Jun 2025 18:36

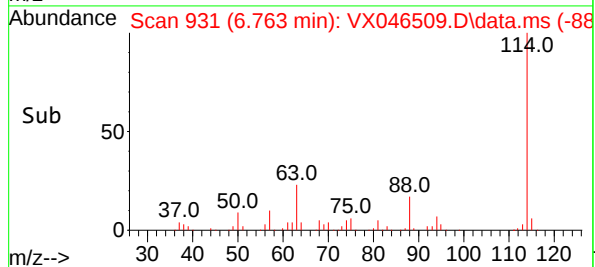
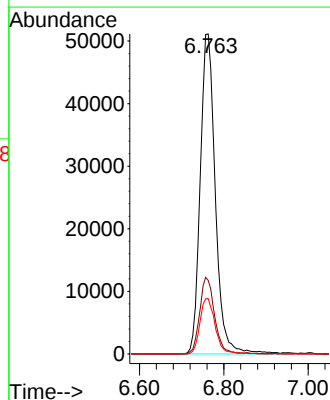
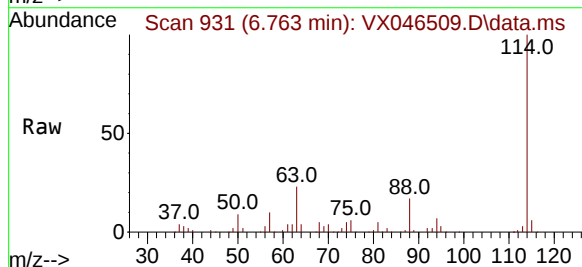
Tgt Ion: 114 Resp: 127435

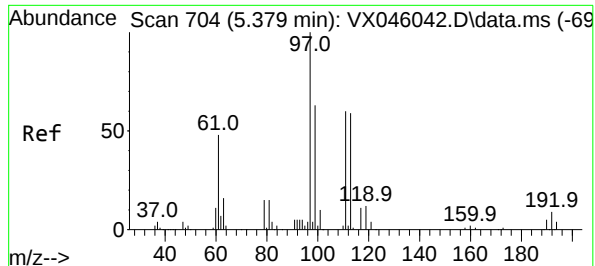
Ion Ratio Lower Upper

114 100

63 23.0 0.0 49.2

88 17.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 49.932 ug/l

RT: 5.391 min Scan# 704

Delta R.T. 0.012 min

Lab File: VX046509.D

Acq: 04 Jun 2025 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-37.5-060325DL

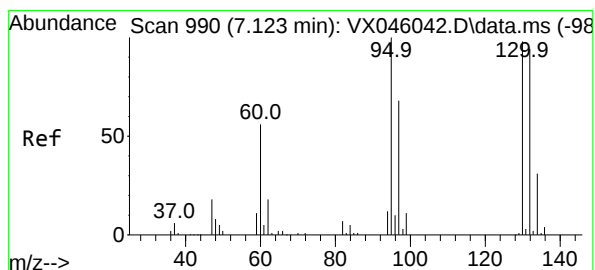
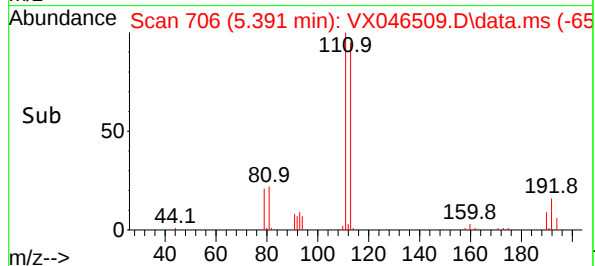
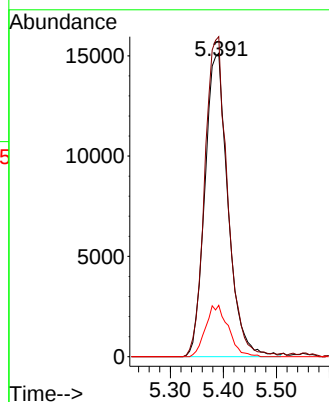
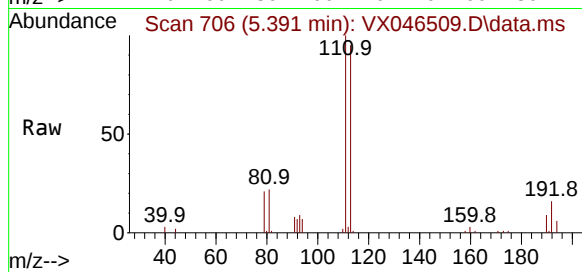
Tgt Ion:113 Resp: 45821

Ion Ratio Lower Upper

113 100

111 103.8 83.1 124.7

192 16.8 13.3 19.9



#44

Trichloroethene

Concen: 55.491 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX046509.D

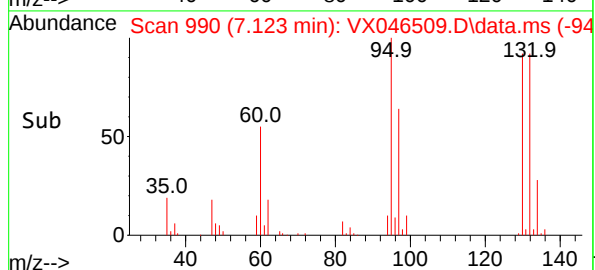
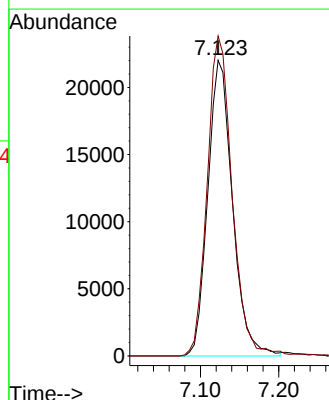
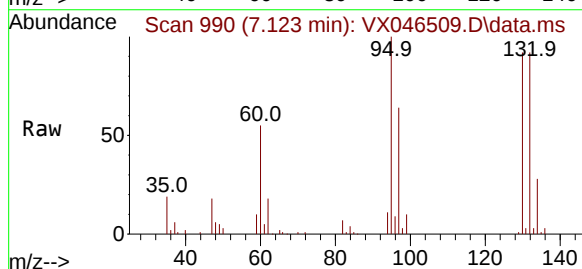
Acq: 04 Jun 2025 18:36

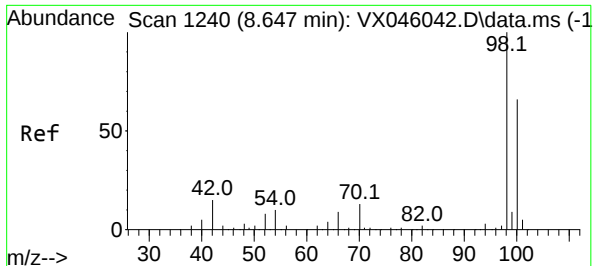
Tgt Ion:130 Resp: 48234

Ion Ratio Lower Upper

130 100

95 108.2 0.0 204.2





#50

Toluene-d8

Concen: 49.648 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046509.D

Acq: 04 Jun 2025 18:36

Instrument :

MSVOA_X

ClientSampleId :

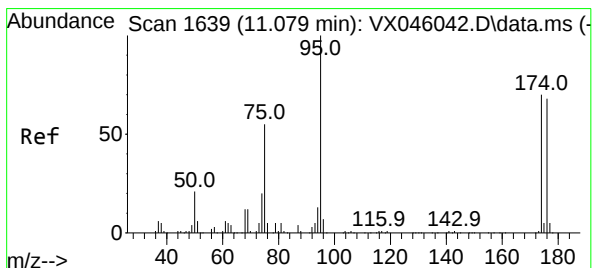
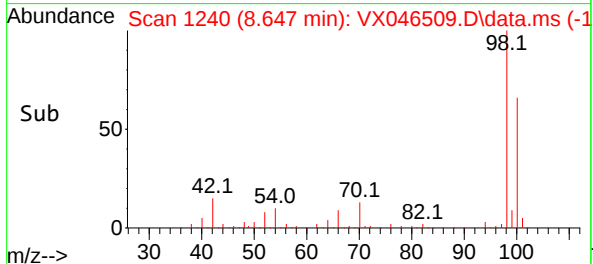
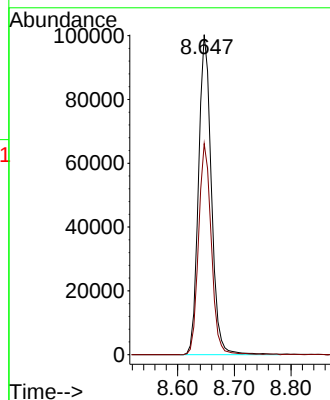
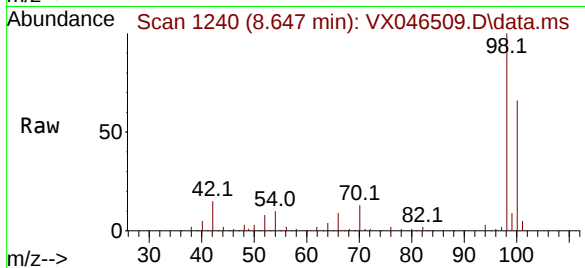
MW-11B-37.5-060325DL

Tgt Ion: 98 Resp: 157691

Ion Ratio Lower Upper

98 100

100 65.4 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 50.297 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046509.D

Acq: 04 Jun 2025 18:36

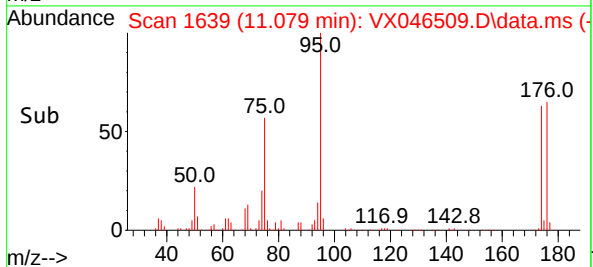
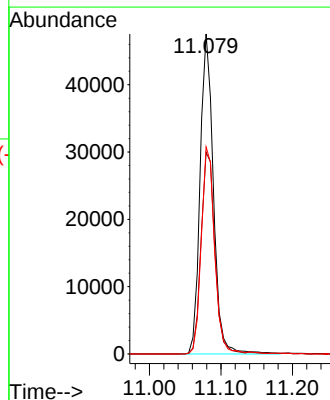
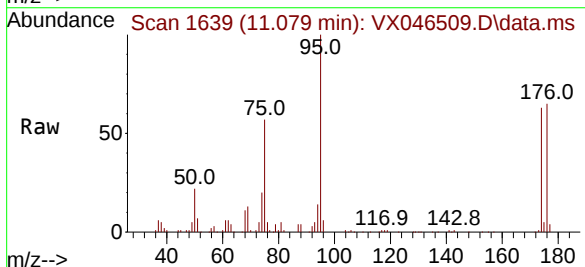
Tgt Ion: 95 Resp: 61278

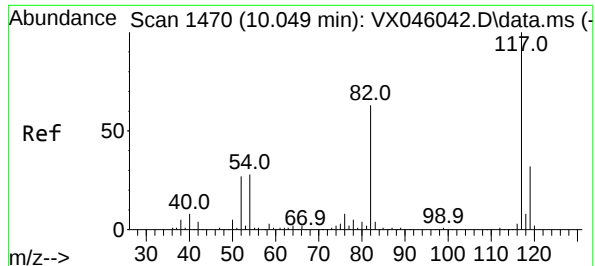
Ion Ratio Lower Upper

95 100

174 65.3 0.0 135.8

176 65.2 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX046509.D

Acq: 04 Jun 2025 18:36

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-37.5-060325DL

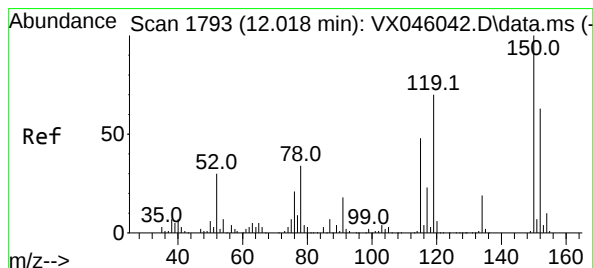
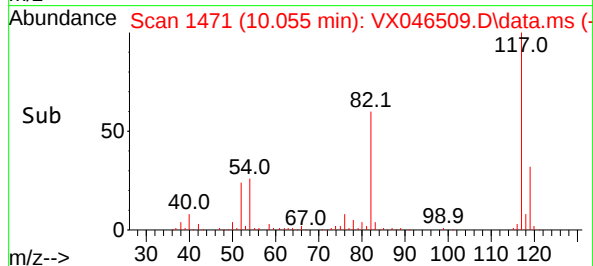
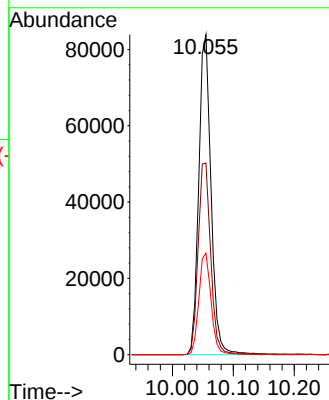
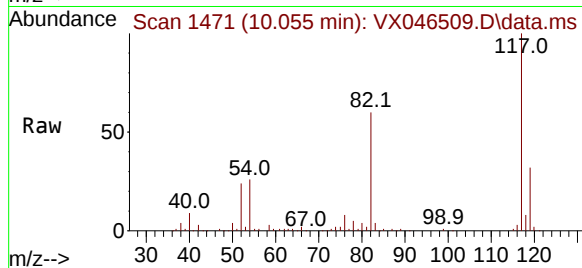
Tgt Ion:117 Resp: 117554

Ion Ratio Lower Upper

117 100

82 59.9 50.6 76.0

119 31.7 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046509.D

Acq: 04 Jun 2025 18:36

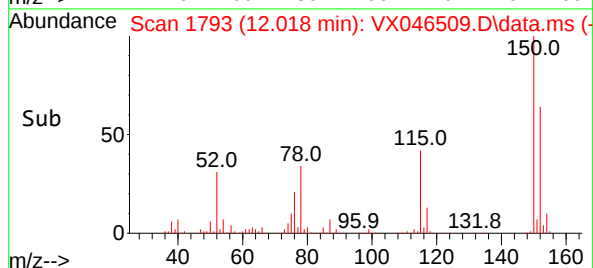
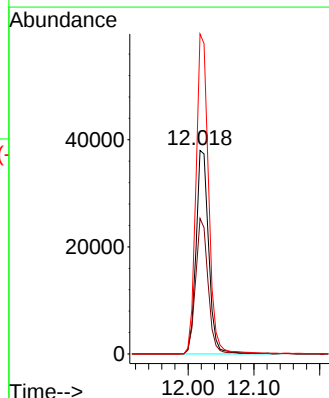
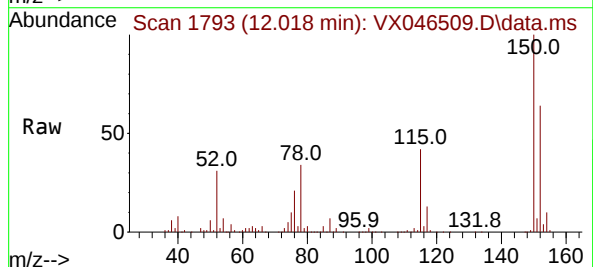
Tgt Ion:152 Resp: 50632

Ion Ratio Lower Upper

152 100

115 66.2 46.9 140.7

150 156.5 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046510.D
 Acq On : 04 Jun 2025 19:00
 Operator : JC/MD
 Sample : Q2200-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-060325

Quant Time: Jun 05 02:07:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	58762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	118020	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47922	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58326	53.241	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.480%
35) Dibromofluoromethane	5.385	113	42480	49.984	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.960%
50) Toluene-d8	8.646	98	146129	49.678	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.360%
62) 4-Bromofluorobenzene	11.079	95	57197	50.692	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.380%

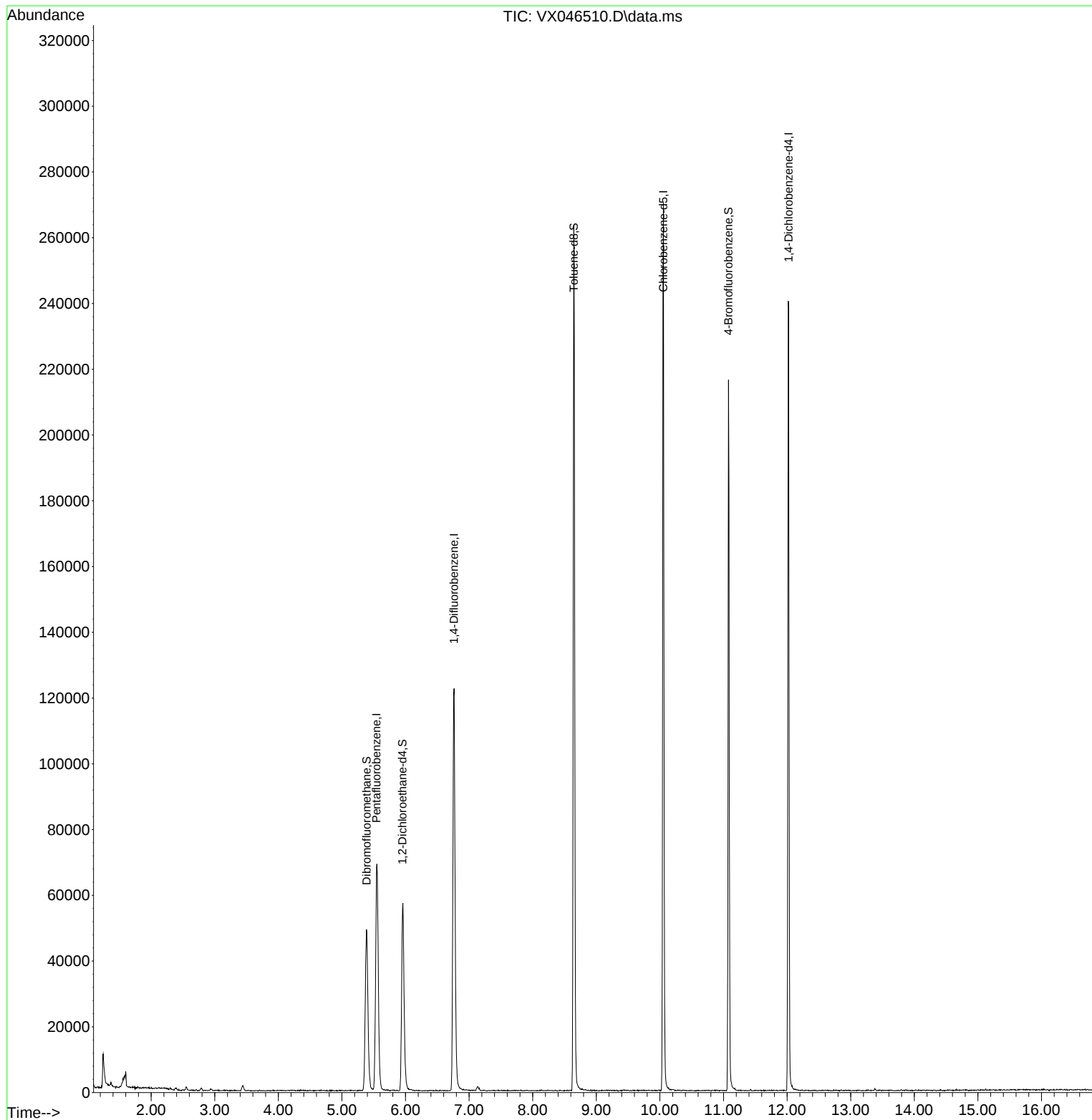
Target Compounds	Qvalue

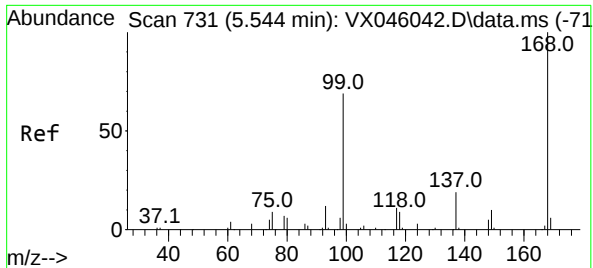
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046510.D
Acq On : 04 Jun 2025 19:00
Operator : JC/MD
Sample : Q2200-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-01-060325

Quant Time: Jun 05 02:07:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

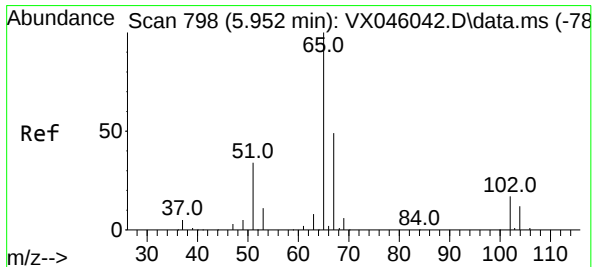
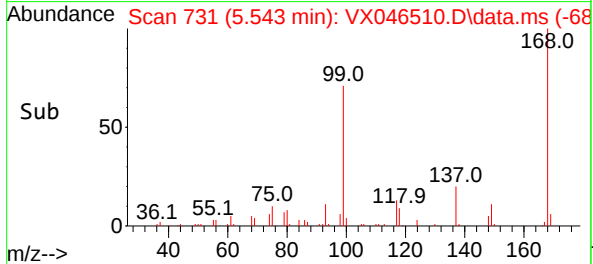
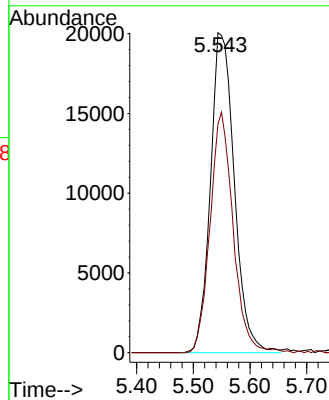
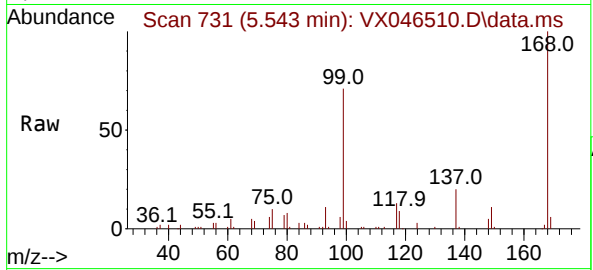




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.001 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

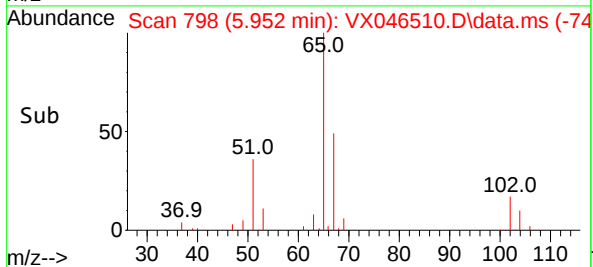
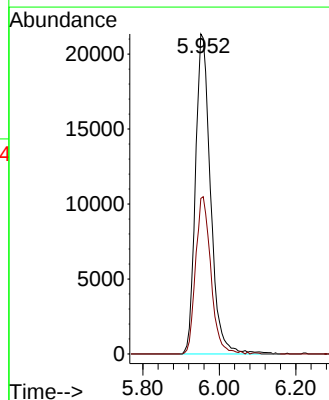
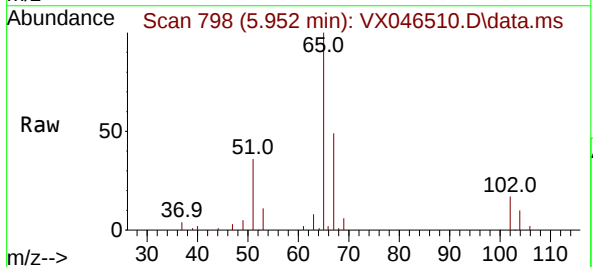
Instrument :
MSVOA_X
ClientSampleId :
TB-01-060325

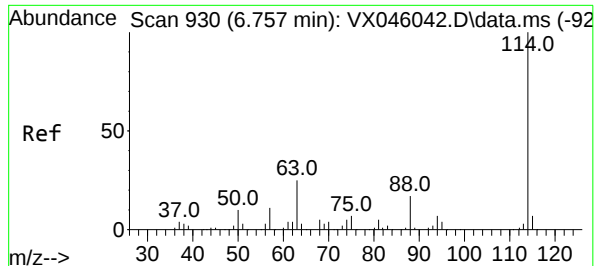
Tgt Ion:168 Resp: 58762
Ion Ratio Lower Upper
168 100
99 71.4 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 53.241 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

Tgt Ion: 65 Resp: 58326
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX046510.D

Acq: 04 Jun 2025 19:00

Instrument :

MSVOA_X

ClientSampleId :

TB-01-060325

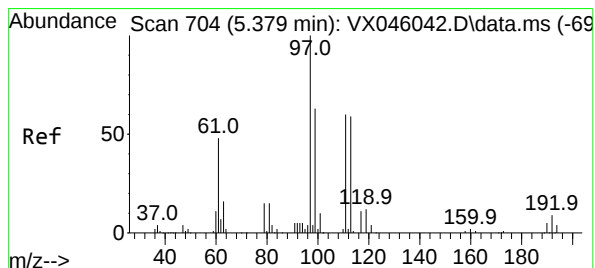
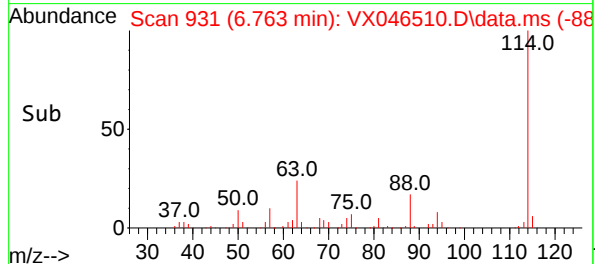
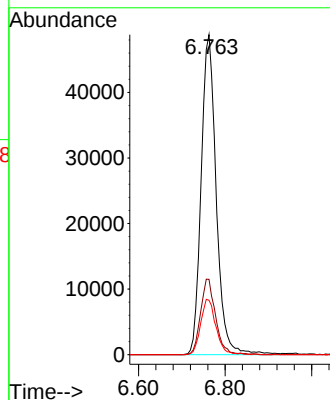
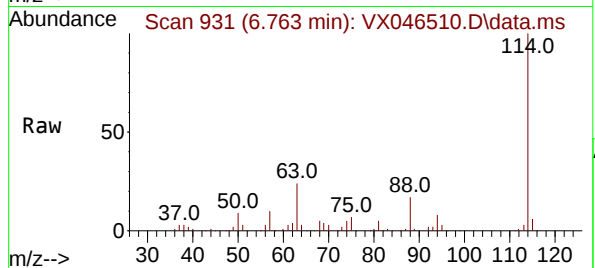
Tgt Ion:114 Resp: 118020

Ion Ratio Lower Upper

114 100

63 23.5 0.0 49.2

88 17.0 0.0 33.6



#35

Dibromofluoromethane

Concen: 49.984 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX046510.D

Acq: 04 Jun 2025 19:00

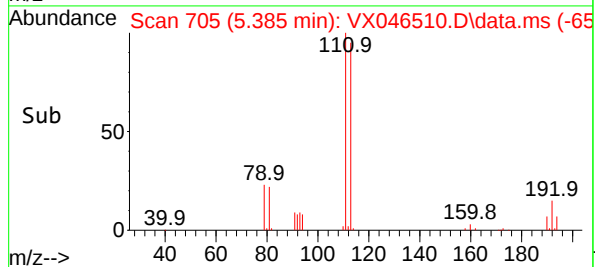
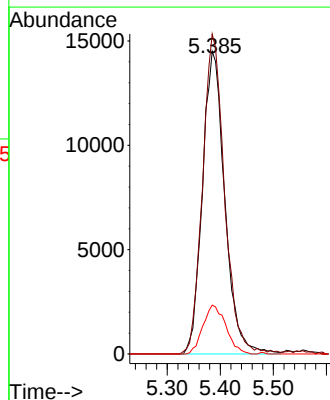
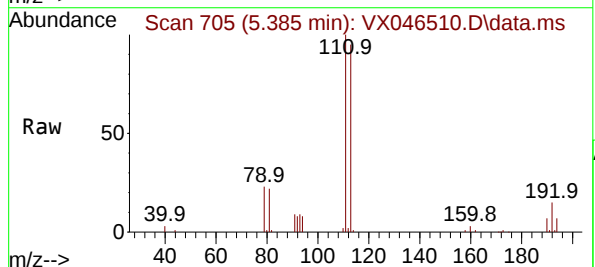
Tgt Ion:113 Resp: 42480

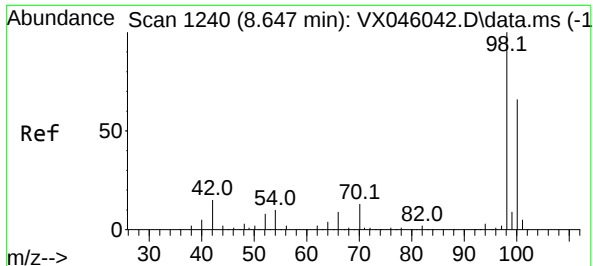
Ion Ratio Lower Upper

113 100

111 103.2 83.1 124.7

192 16.6 13.3 19.9





#50

Toluene-d8

Concen: 49.678 ug/l

RT: 8.646 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046510.D

Acq: 04 Jun 2025 19:00

Instrument :

MSVOA_X

ClientSampleId :

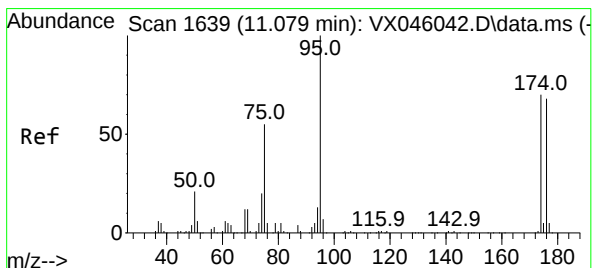
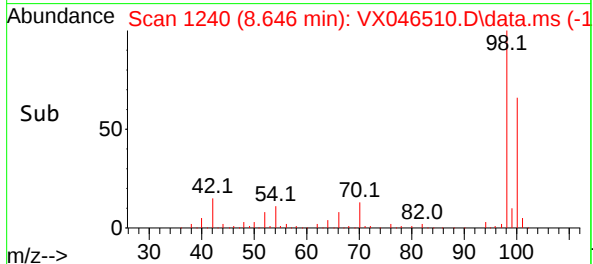
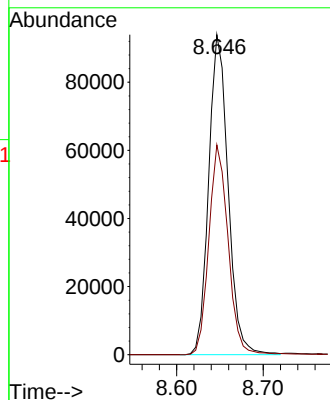
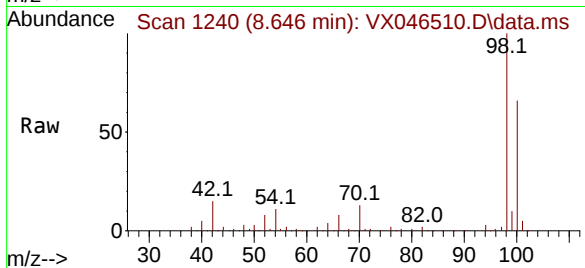
TB-01-060325

Tgt Ion: 98 Resp: 146129

Ion Ratio Lower Upper

98 100

100 65.5 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 50.692 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046510.D

Acq: 04 Jun 2025 19:00

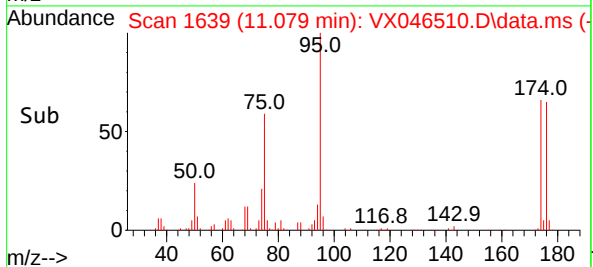
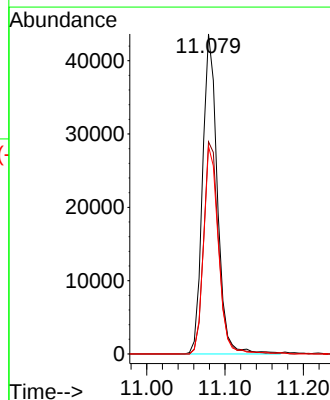
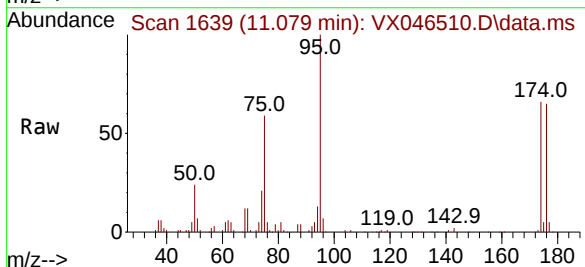
Tgt Ion: 95 Resp: 57197

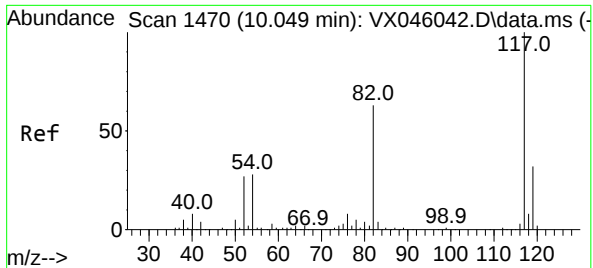
Ion Ratio Lower Upper

95 100

174 67.4 0.0 135.8

176 64.9 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX046510.D

Acq: 04 Jun 2025 19:00

Instrument :

MSVOA_X

ClientSampleId :

TB-01-060325

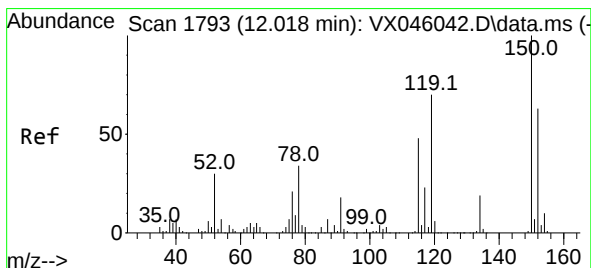
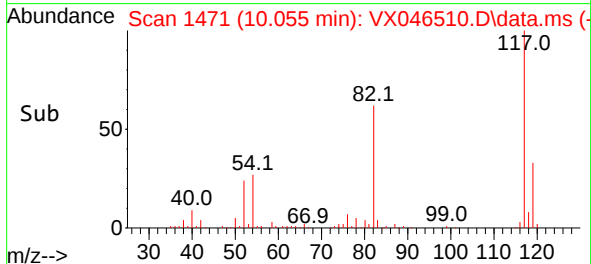
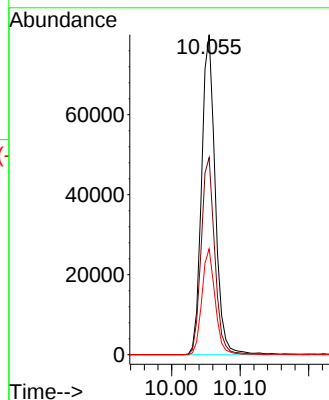
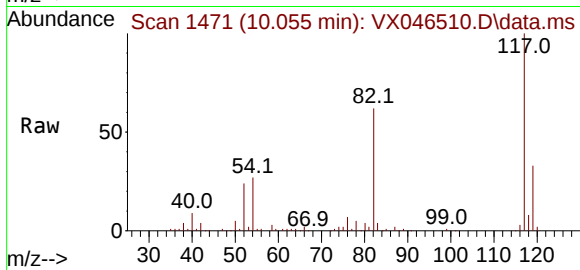
Tgt Ion:117 Resp: 111037

Ion Ratio Lower Upper

117 100

82 61.6 50.6 76.0

119 33.1 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX046510.D

Acq: 04 Jun 2025 19:00

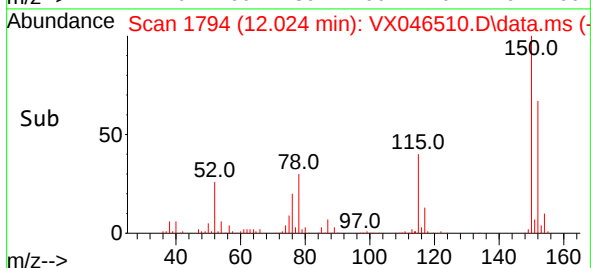
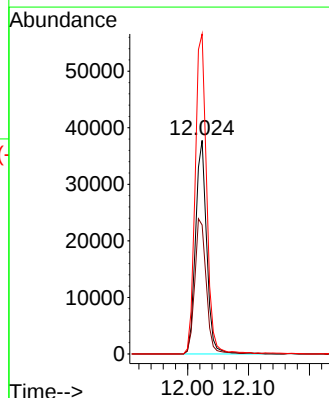
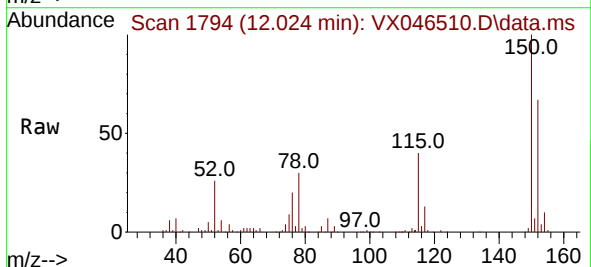
Tgt Ion:152 Resp: 47922

Ion Ratio Lower Upper

152 100

115 65.1 46.9 140.7

150 154.2 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046490.D
 Acq On : 04 Jun 2025 11:04
 Operator : JC/MD
 Sample : VX0604WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBL01

Quant Time: Jun 05 01:39:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	69580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139946	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59967	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69212	53.355	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.720%
35) Dibromofluoromethane	5.379	113	50780	50.389	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.780%
50) Toluene-d8	8.647	98	175770	50.393	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.780%
62) 4-Bromofluorobenzene	11.079	95	71016	53.079	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.160%

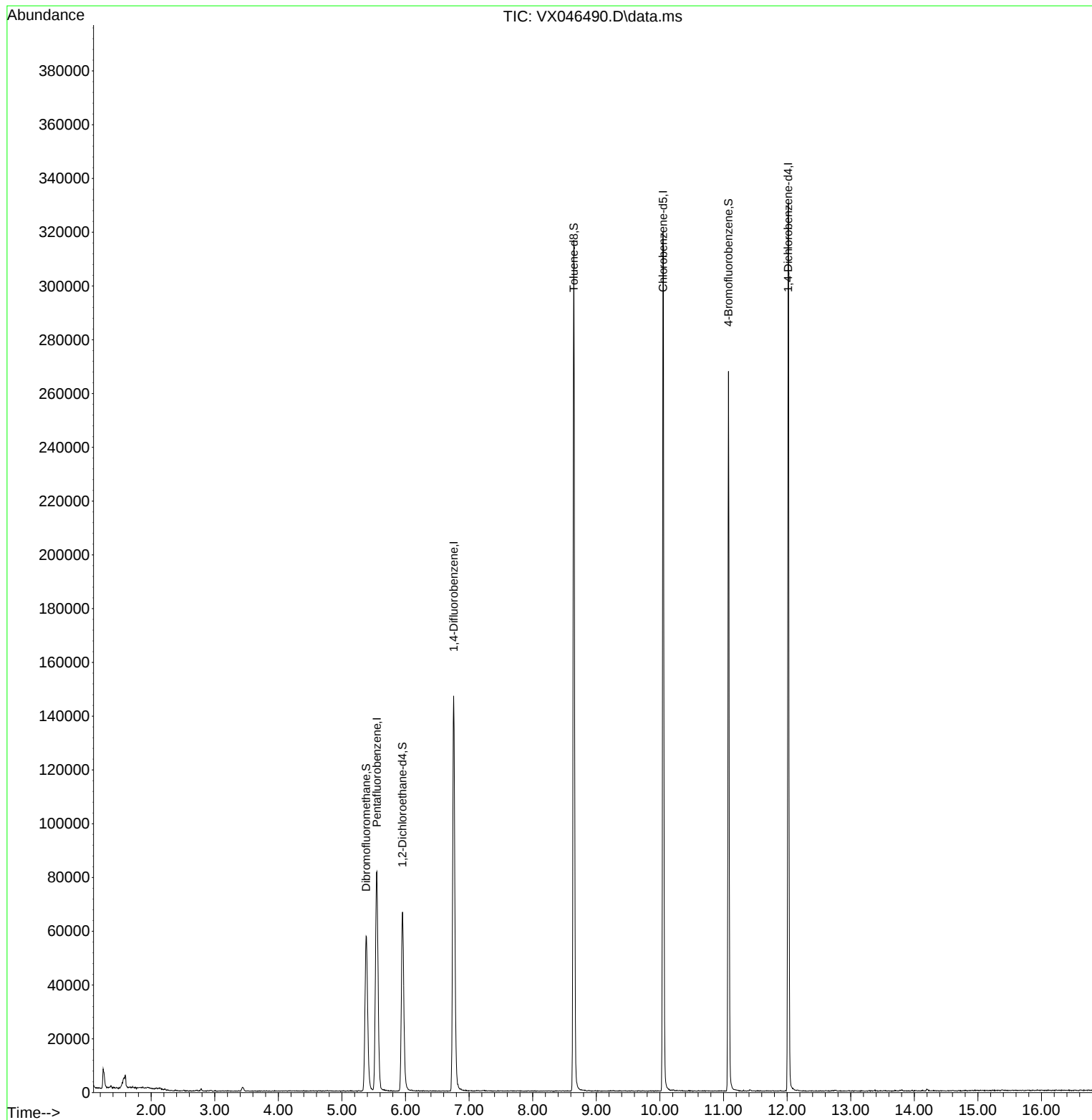
Target Compounds	Qvalue

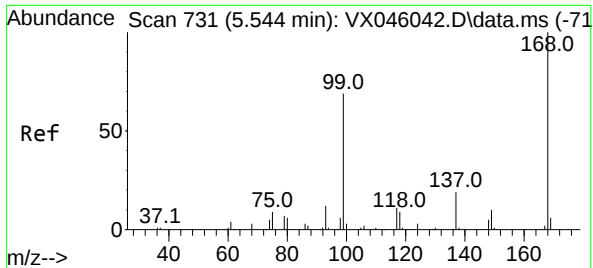
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046490.D
Acq On : 04 Jun 2025 11:04
Operator : JC/MD
Sample : VX0604WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Quant Time: Jun 05 01:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

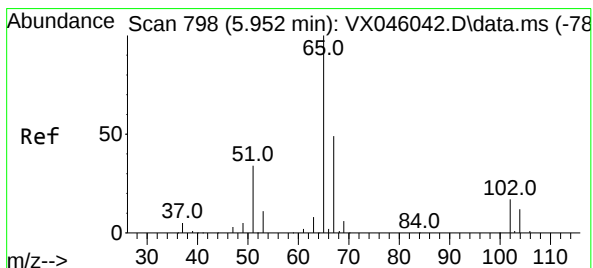
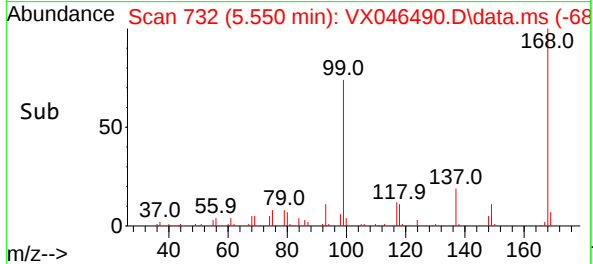
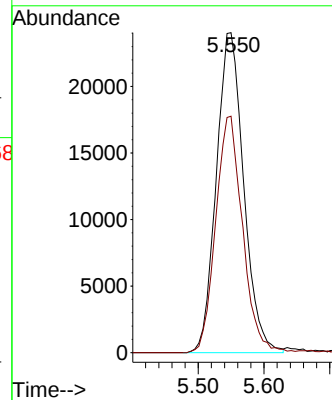
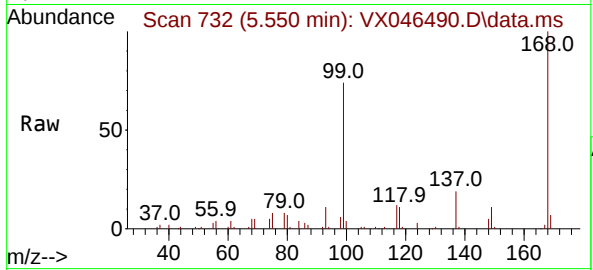




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 731
Delta R.T. 0.006 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

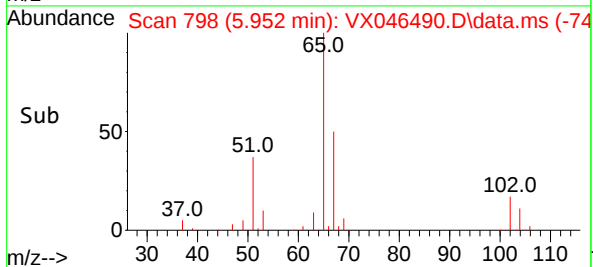
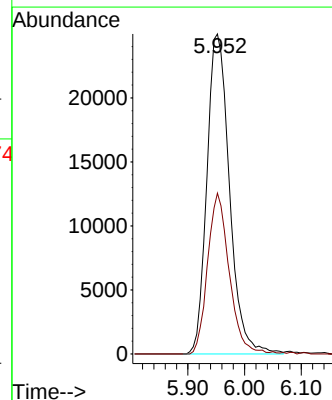
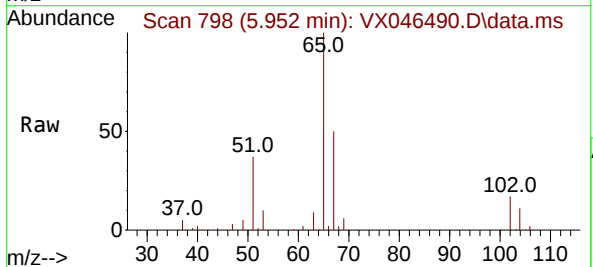
Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

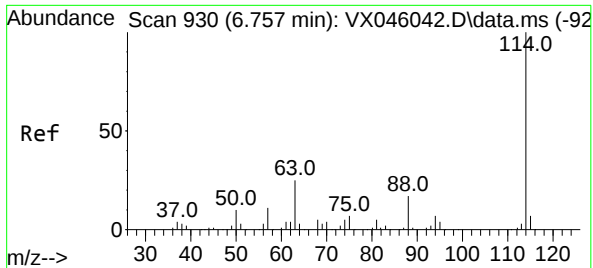
Tgt Ion:168 Resp: 69580
Ion Ratio Lower Upper
168 100
99 73.9 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 53.355 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Tgt Ion: 65 Resp: 69212
Ion Ratio Lower Upper
65 100
67 48.1 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046490.D

Acq: 04 Jun 2025 11:04

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBL01

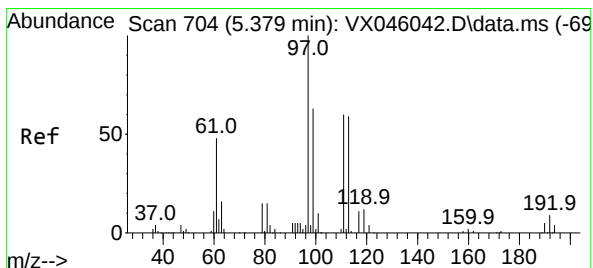
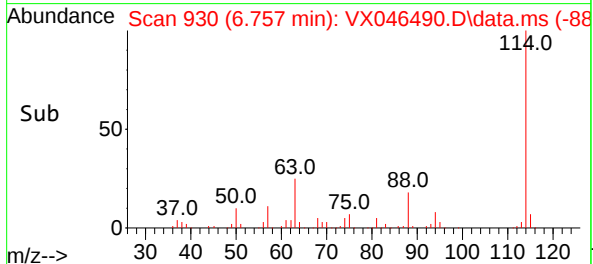
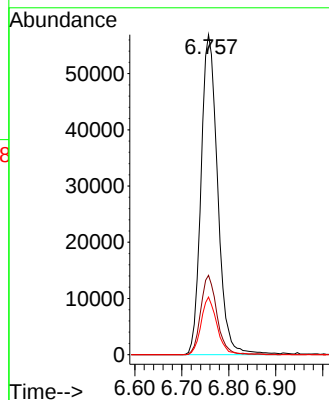
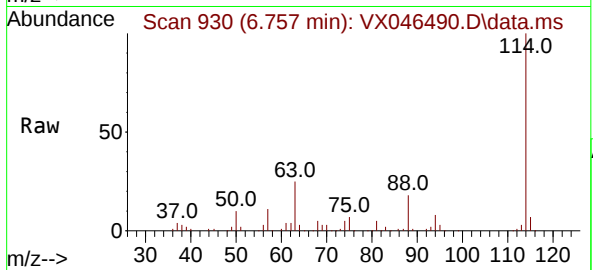
Tgt Ion:114 Resp: 139946

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

88 18.0 0.0 33.6



#35

Dibromofluoromethane

Concen: 50.389 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046490.D

Acq: 04 Jun 2025 11:04

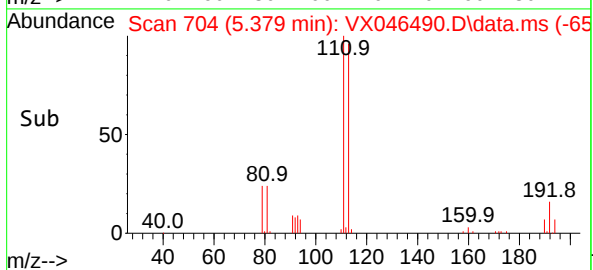
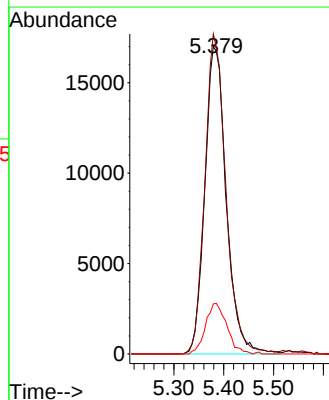
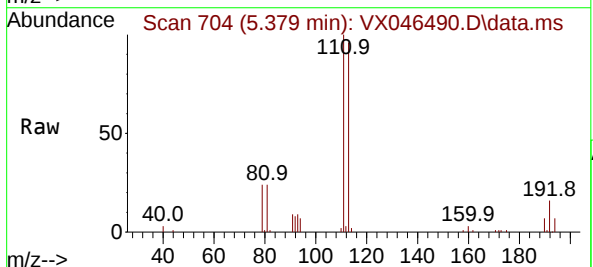
Tgt Ion:113 Resp: 50780

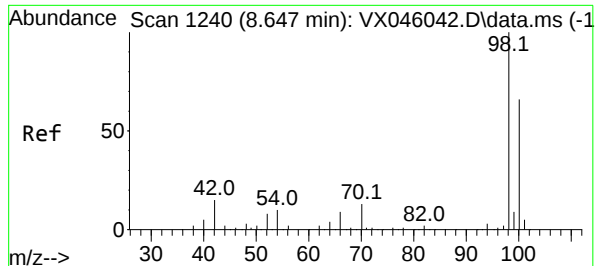
Ion Ratio Lower Upper

113 100

111 102.0 83.1 124.7

192 16.4 13.3 19.9





#50

Toluene-d8

Concen: 50.393 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046490.D

Acq: 04 Jun 2025 11:04

Instrument :

MSVOA_X

ClientSampleId :

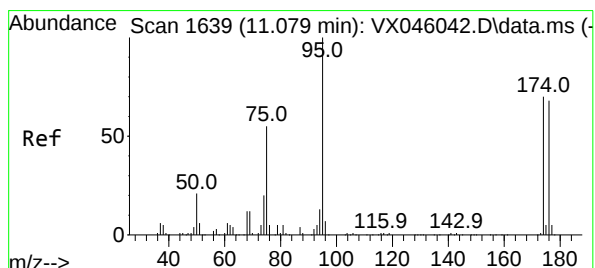
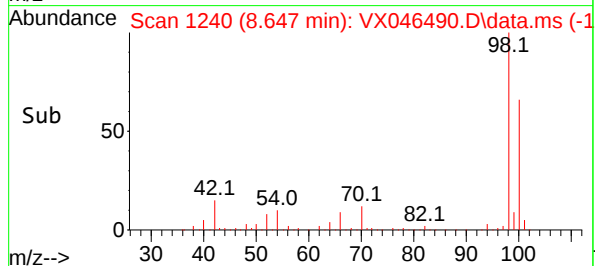
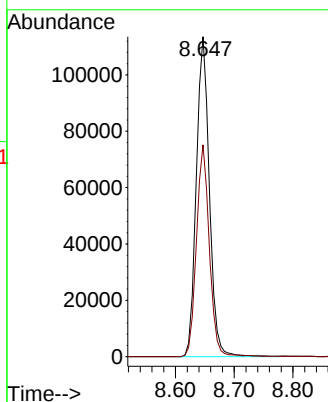
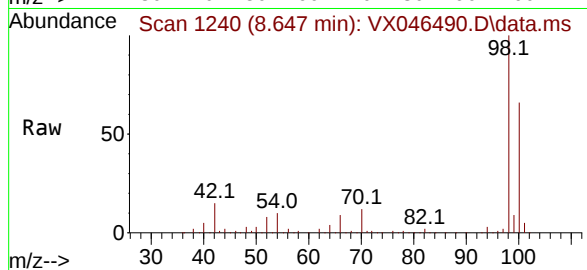
VX0604WBL01

Tgt Ion: 98 Resp: 175770

Ion Ratio Lower Upper

98 100

100 65.3 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 53.079 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046490.D

Acq: 04 Jun 2025 11:04

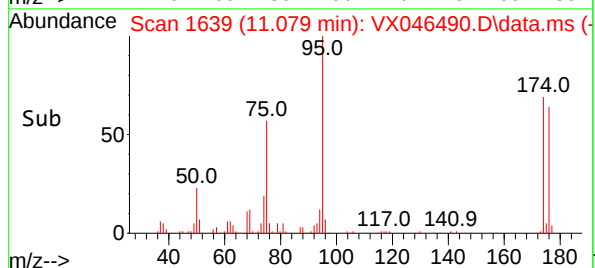
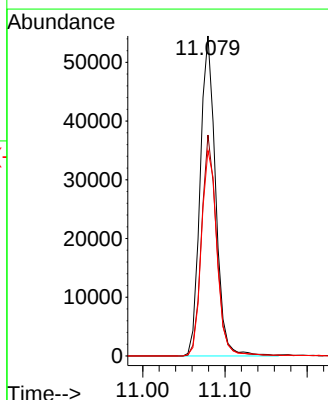
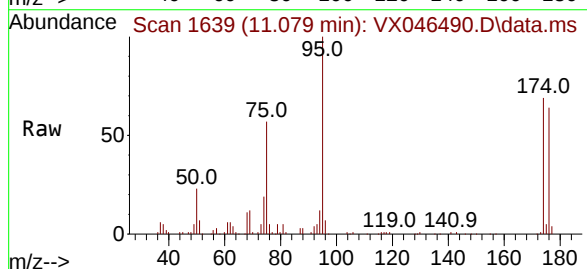
Tgt Ion: 95 Resp: 71016

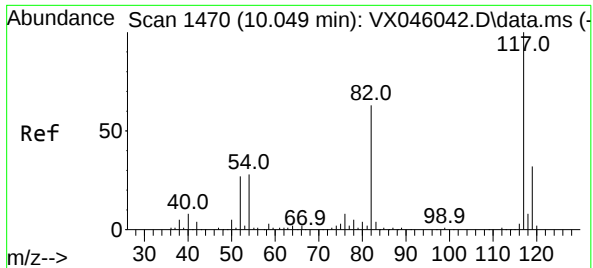
Ion Ratio Lower Upper

95 100

174 67.4 0.0 135.8

176 65.5 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX046490.D

Acq: 04 Jun 2025 11:04

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBL01

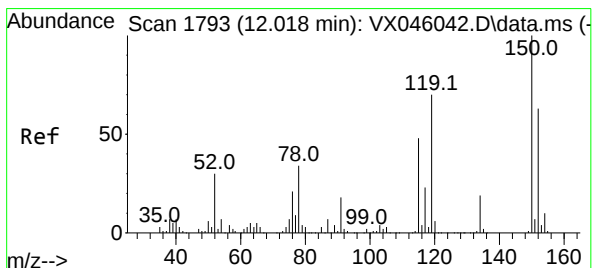
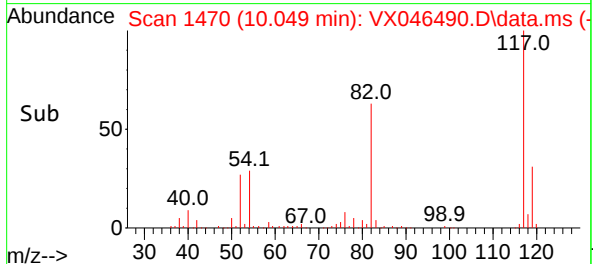
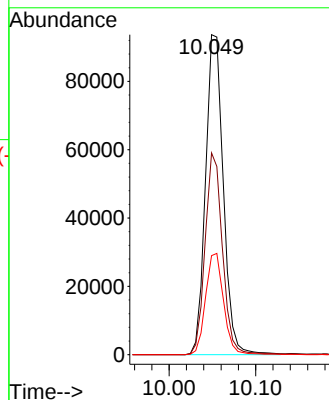
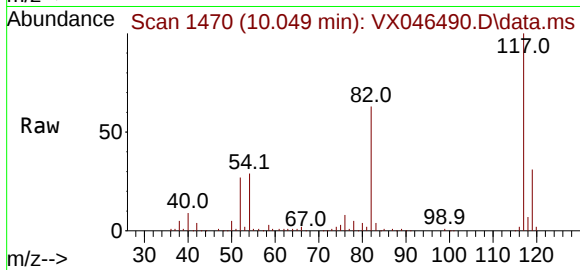
Tgt Ion:117 Resp: 133992

Ion Ratio Lower Upper

117 100

82 63.0 50.6 76.0

119 31.0 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046490.D

Acq: 04 Jun 2025 11:04

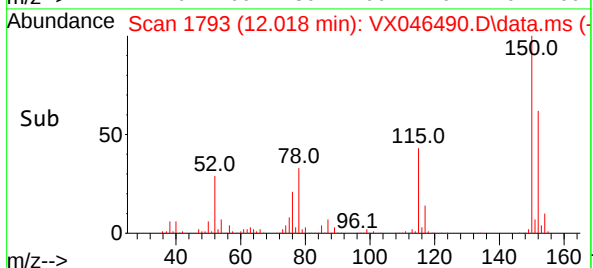
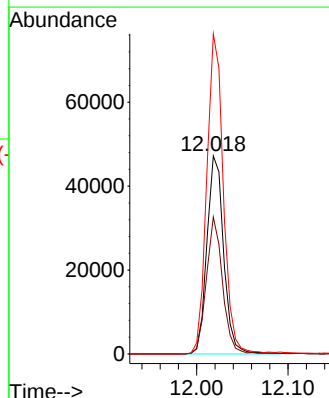
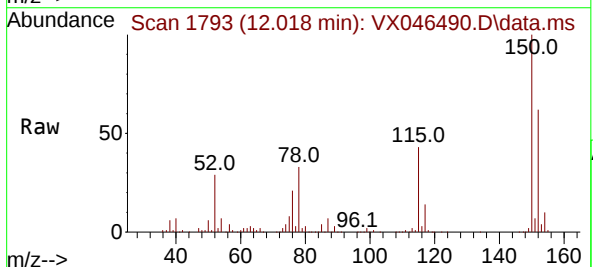
Tgt Ion:152 Resp: 59967

Ion Ratio Lower Upper

152 100

115 66.8 46.9 140.7

150 160.7 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046491.D
 Acq On : 04 Jun 2025 11:27
 Operator : JC/MD
 Sample : VX0604WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 01:39:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	92897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	164481	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63937	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	86820	50.130	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.260%	
35) Dibromofluoromethane	5.379	113	60723	51.267	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.540%	
50) Toluene-d8	8.647	98	193713	47.253	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.500%	
62) 4-Bromofluorobenzene	11.079	95	77214	49.102	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.200%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	22743	15.995	ug/l	99
3) Chloromethane	1.307	50	20855	15.125	ug/l	98
4) Vinyl Chloride	1.374	62	19920	15.523	ug/l	94
5) Bromomethane	1.599	94	9608	16.142	ug/l	100
6) Chloroethane	1.673	64	11730	17.122	ug/l	96
7) Trichlorofluoromethane	1.880	101	34089	17.974	ug/l	95
8) Diethyl Ether	2.130	74	11717	18.148	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	21471	18.294	ug/l	99
10) Methyl Iodide	2.447	142	20760	14.948	ug/l	99
11) Tert butyl alcohol	2.971	59	28971	119.170	ug/l	99
12) 1,1-Dichloroethene	2.313	96	18932	17.187	ug/l	97
13) Acrolein	2.233	56	29271	105.725	ug/l	98
14) Allyl chloride	2.660	41	40362	19.172	ug/l	96
15) Acrylonitrile	3.063	53	74090	106.582	ug/l	98
16) Acetone	2.380	43	73753	106.210	ug/l	99
17) Carbon Disulfide	2.508	76	33026	12.646	ug/l #	95
18) Methyl Acetate	2.703	43	44506	27.620	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	79431	20.568	ug/l	99
20) Methylene Chloride	2.782	84	23740	17.840	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	19363	17.479	ug/l	95
22) Diisopropyl ether	3.758	45	83789	20.604	ug/l	90
23) Vinyl Acetate	3.721	43	346082	96.761	ug/l	99
24) 1,1-Dichloroethane	3.605	63	44360	19.585	ug/l	99
25) 2-Butanone	4.556	43	111365	110.466	ug/l	97
26) 2,2-Dichloropropane	4.471	77	34526	19.475	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	26144	19.605	ug/l	97
28) Bromochloromethane	4.898	49	23833	21.860	ug/l	97
29) Tetrahydrofuran	5.007	42	69831	110.541	ug/l	99
30) Chloroform	5.093	83	47227	20.005	ug/l	97
31) Cyclohexane	5.465	56	34657	16.791	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	39783	19.440	ug/l	100
36) 1,1-Dichloropropene	5.690	75	27602	17.344	ug/l	98
37) Ethyl Acetate	4.721	43	39738	20.211	ug/l	99
38) Carbon Tetrachloride	5.672	117	32904	18.402	ug/l	95
39) Methylcyclohexane	7.373	83	33061	16.137	ug/l	98
40) Benzene	6.031	78	86835	18.629	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046491.D
 Acq On : 04 Jun 2025 11:27
 Operator : JC/MD
 Sample : VX0604WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 01:39:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	23318	22.671	ug/l	98
42) 1,2-Dichloroethane	6.086	62	39852	19.809	ug/l	99
43) Isopropyl Acetate	6.342	43	63564	21.191	ug/l	99
44) Trichloroethene	7.123	130	20599	18.361	ug/l	97
45) 1,2-Dichloropropane	7.428	63	22961	19.810	ug/l	96
46) Dibromomethane	7.580	93	17290	18.913	ug/l	98
47) Bromodichloromethane	7.818	83	35372	19.645	ug/l	99
48) Methyl methacrylate	7.696	41	32412	21.158	ug/l	98
49) 1,4-Dioxane	7.659	88	13462	462.828	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	215594	108.282	ug/l	100
52) Toluene	8.714	92	54715	19.143	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	30645	19.148	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	34352	19.420	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	23114	20.509	ug/l	98
56) Ethyl methacrylate	9.116	69	37067	20.636	ug/l	97
57) 1,3-Dichloropropane	9.305	76	39627	19.578	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	97808	106.806	ug/l	99
59) 2-Hexanone	9.427	43	163451	110.961	ug/l	100
60) Dibromochloromethane	9.519	129	25342	20.474	ug/l	98
61) 1,2-Dibromoethane	9.610	107	23528	20.086	ug/l	100
64) Tetrachloroethene	9.269	164	18715	18.968	ug/l	95
65) Chlorobenzene	10.080	112	59399	19.461	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21063	20.209	ug/l	98
67) Ethyl Benzene	10.189	91	105678	19.642	ug/l	99
68) m/p-Xylenes	10.299	106	78322	39.802	ug/l	99
69) o-Xylene	10.640	106	39544	20.613	ug/l	99
70) Styrene	10.653	104	64399	20.492	ug/l	99
71) Bromoform	10.799	173	15687	20.047	ug/l #	97
73) Isopropylbenzene	10.957	105	105573	21.209	ug/l	99
74) N-amyl acetate	10.842	43	53645	21.810	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	37218	21.336	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	32568m	21.162	ug/l	
77) Bromobenzene	11.195	156	23492	20.328	ug/l	99
78) n-propylbenzene	11.299	91	117360	20.277	ug/l	98
79) 2-Chlorotoluene	11.360	91	75768	20.296	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	85839	20.642	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9522	20.143	ug/l	99
82) 4-Chlorotoluene	11.451	91	83569	20.186	ug/l	98
83) tert-Butylbenzene	11.713	119	87673	20.930	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	86879	20.630	ug/l	100
85) sec-Butylbenzene	11.890	105	108045	21.008	ug/l	100
86) p-Isopropyltoluene	12.006	119	87255	20.553	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	42116	19.969	ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	44193	20.518	ug/l	98
89) n-Butylbenzene	12.329	91	75030	20.149	ug/l	99
90) Hexachloroethane	12.536	117	14661	19.602	ug/l	96
91) 1,2-Dichlorobenzene	12.329	146	44415	20.986	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9196	23.797	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	25497	20.975	ug/l	97
94) Hexachlorobutadiene	13.719	225	10415	19.618	ug/l	96
95) Naphthalene	13.774	128	94780	21.259	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	25741	20.522	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046491.D
Acq On : 04 Jun 2025 11:27
Operator : JC/MD
Sample : VX0604WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 01:39:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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

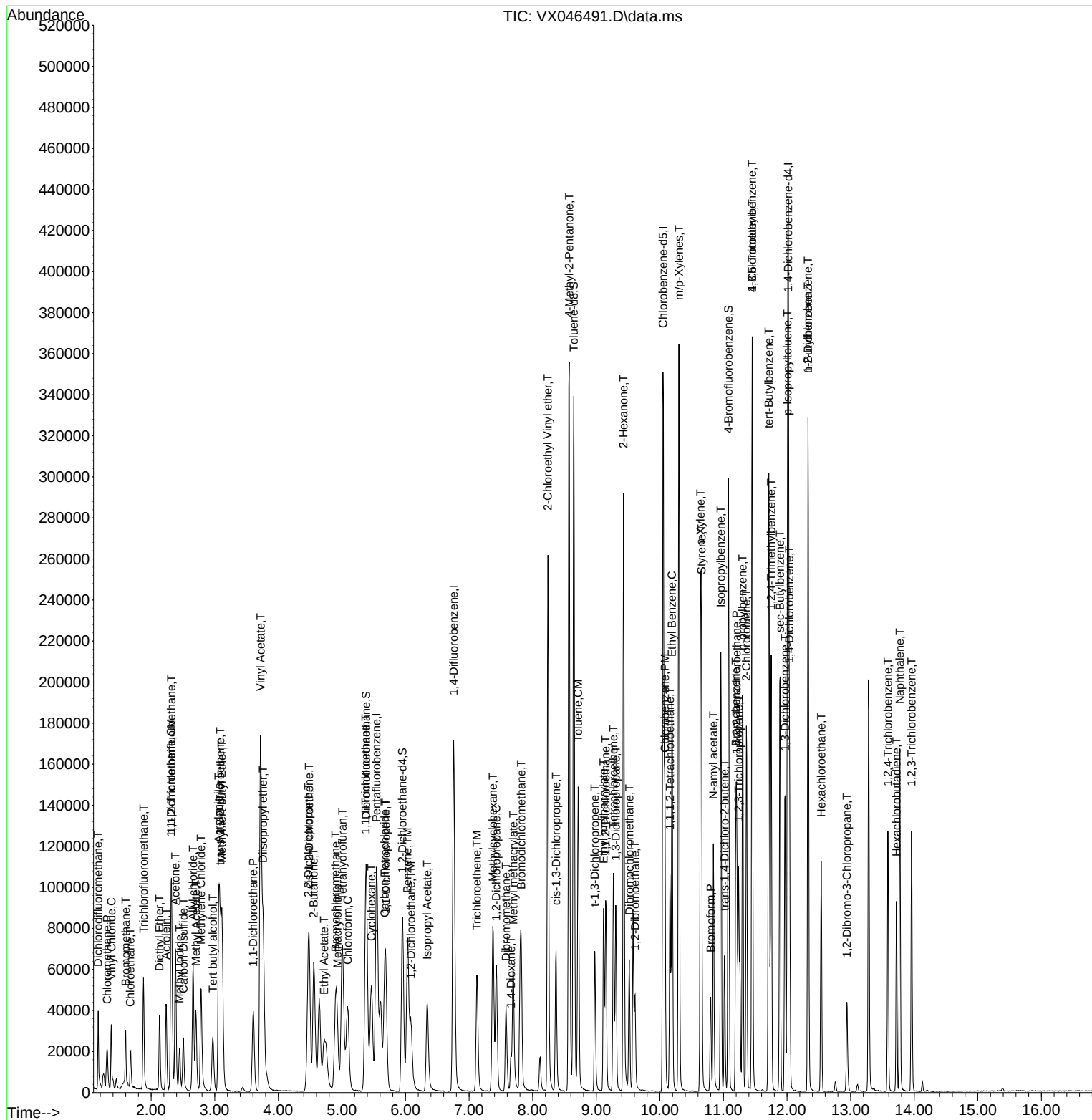
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046491.D
 Acq On : 04 Jun 2025 11:27
 Operator : JC/MD
 Sample : VX0604WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 01:39:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046497.D
 Acq On : 04 Jun 2025 13:52
 Operator : JC/MD
 Sample : VX0604WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 01:51:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	84483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152834	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62838	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	81368	51.661	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.320%	
35) Dibromofluoromethane	5.385	113	57316	52.079	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.160%	
50) Toluene-d8	8.647	98	186769	49.031	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.060%	
62) 4-Bromofluorobenzene	11.079	95	75026	51.347	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.700%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	24632	19.049	ug/l	99
3) Chloromethane	1.307	50	23757	18.946	ug/l	97
4) Vinyl Chloride	1.374	62	21918	18.781	ug/l	98
5) Bromomethane	1.593	94	9220	17.033	ug/l	98
6) Chloroethane	1.672	64	15446	24.792	ug/l	94
7) Trichlorofluoromethane	1.880	101	35809	20.761	ug/l	97
8) Diethyl Ether	2.136	74	12725	21.673	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	21610	20.246	ug/l	97
10) Methyl Iodide	2.447	142	24073	19.060	ug/l	100
11) Tert butyl alcohol	2.971	59	27971	126.516	ug/l	99
12) 1,1-Dichloroethene	2.312	96	20333	20.297	ug/l	100
13) Acrolein	2.233	56	25349	100.678	ug/l	97
14) Allyl chloride	2.660	41	42621	22.262	ug/l	95
15) Acrylonitrile	3.062	53	73994	117.045	ug/l	99
16) Acetone	2.386	43	72770	115.231	ug/l	98
17) Carbon Disulfide	2.501	76	39956	16.824	ug/l	100
18) Methyl Acetate	2.703	43	45782	31.241	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82120	23.382	ug/l	100
20) Methylene Chloride	2.782	84	24899	20.575	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	20553	20.402	ug/l	98
22) Diisopropyl ether	3.763	45	85964	23.245	ug/l	98
23) Vinyl Acetate	3.721	43	352257	108.297	ug/l	100
24) 1,1-Dichloroethane	3.605	63	45805	22.237	ug/l	98
25) 2-Butanone	4.562	43	110519	120.545	ug/l	99
26) 2,2-Dichloropropane	4.471	77	32995	20.465	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	26678	21.998	ug/l	98
28) Bromochloromethane	4.897	49	22848	23.044	ug/l	98
29) Tetrahydrofuran	5.013	42	69743	121.397	ug/l	99
30) Chloroform	5.092	83	48458	22.570	ug/l	97
31) Cyclohexane	5.458	56	39649	21.123	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	41875	22.500	ug/l	97
36) 1,1-Dichloropropene	5.690	75	30800	20.829	ug/l	99
37) Ethyl Acetate	4.721	43	40135	21.968	ug/l	98
38) Carbon Tetrachloride	5.678	117	33893	20.399	ug/l	97
39) Methylcyclohexane	7.379	83	37949	19.934	ug/l	92
40) Benzene	6.031	78	92846	21.436	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046497.D
 Acq On : 04 Jun 2025 13:52
 Operator : JC/MD
 Sample : VX0604WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 01:51:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	24996	26.155	ug/l	95
42) 1,2-Dichloroethane	6.086	62	40404	21.614	ug/l	99
43) Isopropyl Acetate	6.342	43	64639	23.192	ug/l	99
44) Trichloroethene	7.123	130	22185	21.281	ug/l	96
45) 1,2-Dichloropropane	7.427	63	23770	22.070	ug/l	98
46) Dibromomethane	7.580	93	18288	21.529	ug/l	99
47) Bromodichloromethane	7.818	83	36336	21.718	ug/l	99
48) Methyl methacrylate	7.696	41	33430	23.486	ug/l	99
49) 1,4-Dioxane	7.659	88	12861	475.862	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	220370	119.115	ug/l	99
52) Toluene	8.714	92	57666	21.713	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	30745	20.675	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	35234	21.437	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	23253	22.204	ug/l	96
56) Ethyl methacrylate	9.116	69	39616	23.736	ug/l	99
57) 1,3-Dichloropropane	9.305	76	41148	21.879	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	98765	116.070	ug/l	99
59) 2-Hexanone	9.427	43	168301	122.961	ug/l	99
60) Dibromochloromethane	9.518	129	24794	21.558	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23687	21.762	ug/l	96
64) Tetrachloroethene	9.269	164	19397	20.578	ug/l	94
65) Chlorobenzene	10.079	112	62199	21.331	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21656	21.749	ug/l	99
67) Ethyl Benzene	10.195	91	113326	22.048	ug/l	99
68) m/p-Xylenes	10.299	106	80924	43.046	ug/l	94
69) o-Xylene	10.640	106	41048	22.397	ug/l	97
70) Styrene	10.652	104	67392	22.447	ug/l	97
71) Bromoform	10.799	173	15427	20.636	ug/l #	98
73) Isopropylbenzene	10.963	105	110318	22.550	ug/l	100
74) N-amyl acetate	10.841	43	55422	22.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	38648	22.544	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	32723m	21.634	ug/l	
77) Bromobenzene	11.195	156	24841	21.872	ug/l	99
78) n-propylbenzene	11.305	91	124223	21.838	ug/l	99
79) 2-Chlorotoluene	11.360	91	78907	21.507	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	92894	22.729	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	9297	20.011	ug/l	99
82) 4-Chlorotoluene	11.451	91	88804	21.826	ug/l	99
83) tert-Butylbenzene	11.713	119	92557	22.483	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	92688	22.395	ug/l	99
85) sec-Butylbenzene	11.890	105	111854	22.129	ug/l	99
86) p-Isopropyltoluene	12.006	119	93040	22.299	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	44995	21.707	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	44540	21.040	ug/l	98
89) n-Butylbenzene	12.329	91	79526	21.729	ug/l	98
90) Hexachloroethane	12.536	117	15772	21.457	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	46207	22.214	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9047	23.821	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	25914	21.691	ug/l	99
94) Hexachlorobutadiene	13.725	225	11422	21.891	ug/l	100
95) Naphthalene	13.774	128	102748	23.449	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	26637	21.608	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046497.D
Acq On : 04 Jun 2025 13:52
Operator : JC/MD
Sample : VX0604WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 01:51:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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

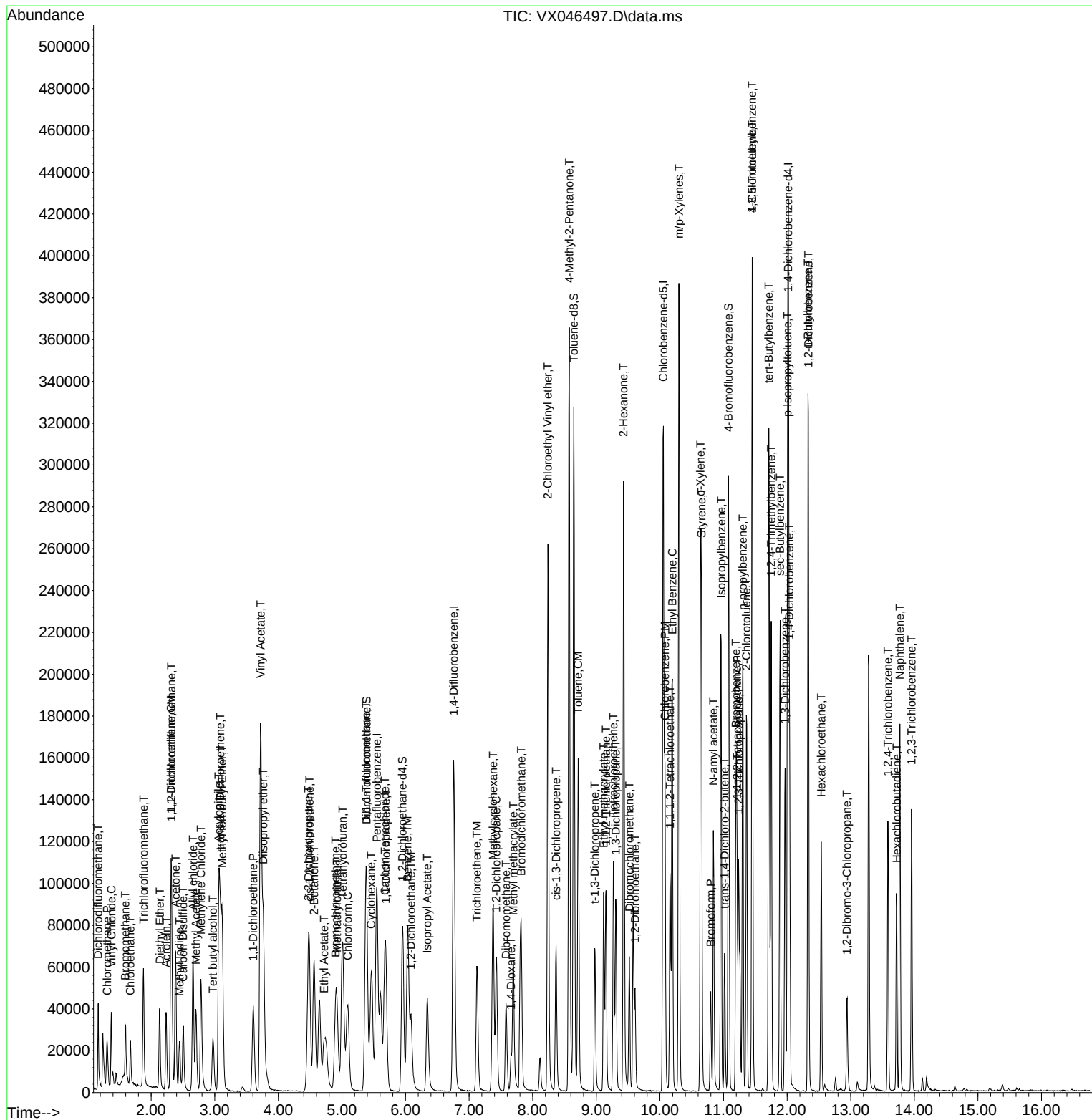
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046497.D
 Acq On : 04 Jun 2025 13:52
 Operator : JC/MD
 Sample : VX0604WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBSD01

Quant Time: Jun 05 01:51:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025



Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX046041.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:13 AM	MMDadoda	5/6/2025 12:42:46 PM	Peak Integrated by Software
VSTDICCC050	VX046042.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:18 AM	MMDadoda	5/6/2025 12:42:48 PM	Peak Integrated by Software
VSTDICC100	VX046043.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:22 AM	MMDadoda	5/6/2025 12:42:50 PM	Peak Integrated by Software
VSTDICC150	VX046044.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:27 AM	MMDadoda	5/6/2025 12:42:53 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	Ethyl Acetate	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,4-Dichlorobenzene	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Bromochloromethane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Ethyl Acetate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Methyl methacrylate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICV050	VX046048.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:45 AM	MMDadoda	5/6/2025 12:41:37 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:

VX060425

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046488.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:44:18 PM	SAM	6/5/2025 4:47:19 PM	Peak Integrated by Software
VSTDCCC050	VX046488.D	Methacrylonitrile	MMDadoda	6/5/2025 4:44:18 PM	SAM	6/5/2025 4:47:19 PM	Peak Integrated by Software
VX0604WBS01	VX046491.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:44:20 PM	SAM	6/5/2025 4:47:20 PM	Peak Integrated by Software
VX0604WBSD01	VX046497.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:44:23 PM	SAM	6/5/2025 4:47:24 PM	Peak Integrated by Software
VSTDCCC050	VX046515.D	1,2,3-Trichloropropane	SAM	6/5/2025 4:47:29 PM	MMdadoda	6/6/2025 1:00:26 AM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM
Supervise By	Maresh Dadoda	Supervise On	5/6/2025 12:43:00 PM
SubDirectory	VX050525	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133811		
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP133838		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046038.D	05 May 2025 09:37	JC/MD	Ok
2	VSTDIC001	VX046039.D	05 May 2025 10:49	JC/MD	Not Ok
3	VSTDIC005	VX046040.D	05 May 2025 11:12	JC/MD	Not Ok
4	VSTDIC020	VX046041.D	05 May 2025 11:35	JC/MD	Ok,M
5	VSTDIC050	VX046042.D	05 May 2025 11:58	JC/MD	Ok,M
6	VSTDIC100	VX046043.D	05 May 2025 12:21	JC/MD	Ok,M
7	VSTDIC150	VX046044.D	05 May 2025 12:45	JC/MD	Ok,M
8	IBLK	VX046045.D	05 May 2025 13:08	JC/MD	Ok
9	VSTDIC005	VX046046.D	05 May 2025 16:04	JC/MD	Ok,M
10	VSTDIC001	VX046047.D	05 May 2025 16:27	JC/MD	Ok,M
11	VSTDICV050	VX046048.D	05 May 2025 16:50	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:44:40 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:48:33 PM
SubDirectory	VX060425	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134124		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134125,VP134126		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046487.D	04 Jun 2025 09:43	JC/MD	Ok
2	VSTDCCC050	VX046488.D	04 Jun 2025 10:12	JC/MD	Ok,M
3	VX0604MBL01	VX046489.D	04 Jun 2025 10:40	JC/MD	Ok
4	VX0604WBL01	VX046490.D	04 Jun 2025 11:04	JC/MD	Ok
5	VX0604WBS01	VX046491.D	04 Jun 2025 11:27	JC/MD	Ok,M
6	Q2169-03DL	VX046492.D	04 Jun 2025 11:55	JC/MD	Ok
7	Q2168-08DL	VX046493.D	04 Jun 2025 12:18	JC/MD	Ok
8	Q2168-12DL	VX046494.D	04 Jun 2025 12:41	JC/MD	Ok
9	Q2169-01	VX046495.D	04 Jun 2025 13:05	JC/MD	Dilution
10	Q2175-05	VX046496.D	04 Jun 2025 13:28	JC/MD	Ok
11	VX0604WBSD01	VX046497.D	04 Jun 2025 13:52	JC/MD	Ok,M
12	Q2200-01DL	VX046498.D	04 Jun 2025 14:15	JC/MD	Ok
13	Q2200-02	VX046499.D	04 Jun 2025 14:39	JC/MD	Ok
14	Q2200-05	VX046500.D	04 Jun 2025 15:02	JC/MD	Dilution
15	Q2175-06	VX046501.D	04 Jun 2025 15:26	JC/MD	Dilution
16	IBLK	VX046502.D	04 Jun 2025 15:50	JC/MD	Ok
17	IBLK	VX046503.D	04 Jun 2025 16:13	JC/MD	Ok
18	Q2200-03	VX046504.D	04 Jun 2025 16:37	JC/MD	Ok
19	Q2201-01	VX046505.D	04 Jun 2025 17:01	JC/MD	Ok
20	Q2198-05	VX046506.D	04 Jun 2025 17:25	JC/MD	ReRun
21	IBLK	VX046507.D	04 Jun 2025 17:49	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:44:40 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:48:33 PM
SubDirectory	VX060425	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134124		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134125,VP134126		

22	Q2200-01	VX046508.D	04 Jun 2025 18:12	JC/MD	Dilution
23	Q2200-05DL	VX046509.D	04 Jun 2025 18:36	JC/MD	Ok
24	Q2200-06	VX046510.D	04 Jun 2025 19:00	JC/MD	Ok
25	Q2175-06DL	VX046511.D	04 Jun 2025 19:24	JC/MD	Ok,M
26	VX0604MBS01	VX046512.D	04 Jun 2025 19:47	JC/MD	Ok,M
27	Q2168-11ME	VX046513.D	04 Jun 2025 20:11	JC/MD	Dilution
28	Q2168-07ME	VX046514.D	04 Jun 2025 20:35	JC/MD	Ok
29	VSTDCCC050	VX046515.D	04 Jun 2025 20:59	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM
Supervise By	Maresh Dadoda	Supervise On	5/6/2025 12:43:00 PM
SubDirectory	VX050525	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133811		
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP133838		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046038.D	05 May 2025 09:37		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX046039.D	05 May 2025 10:49	Not used	JC/MD	Not Ok
3	VSTDIC005	VSTDIC005	VX046040.D	05 May 2025 11:12	Not used	JC/MD	Not Ok
4	VSTDIC020	VSTDIC020	VX046041.D	05 May 2025 11:35		JC/MD	Ok,M
5	VSTDIC050	VSTDIC050	VX046042.D	05 May 2025 11:58		JC/MD	Ok,M
6	VSTDIC100	VSTDIC100	VX046043.D	05 May 2025 12:21		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX046044.D	05 May 2025 12:45		JC/MD	Ok,M
8	IBLK	IBLK	VX046045.D	05 May 2025 13:08		JC/MD	Ok
9	VSTDIC005	VSTDIC005	VX046046.D	05 May 2025 16:04		JC/MD	Ok,M
10	VSTDIC001	VSTDIC001	VX046047.D	05 May 2025 16:27		JC/MD	Ok,M
11	VSTDICV050	ICVVX050525	VX046048.D	05 May 2025 16:50		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:44:40 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:48:33 PM
SubDirectory	VX060425	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134124		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134125,VP134126		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046487.D	04 Jun 2025 09:43		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046488.D	04 Jun 2025 10:12	pH#Lot#V12668	JC/MD	Ok,M
3	VX0604MBL01	VX0604MBL01	VX046489.D	04 Jun 2025 10:40		JC/MD	Ok
4	VX0604WBL01	VX0604WBL01	VX046490.D	04 Jun 2025 11:04		JC/MD	Ok
5	VX0604WBS01	VX0604WBS01	VX046491.D	04 Jun 2025 11:27	BS failed low for comp. #17	JC/MD	Ok,M
6	Q2169-03DL	303-PPR-2DL	VX046492.D	04 Jun 2025 11:55	vial B pH<2	JC/MD	Ok
7	Q2168-08DL	B3DL	VX046493.D	04 Jun 2025 12:18	vial B pH#5.0	JC/MD	Ok
8	Q2168-12DL	C2DL	VX046494.D	04 Jun 2025 12:41	vial B pH#5.0	JC/MD	Ok
9	Q2169-01	303-PPR-1	VX046495.D	04 Jun 2025 13:05	vial B pH<2;Need 2X	JC/MD	Dilution
10	Q2175-05	52525-B	VX046496.D	04 Jun 2025 13:28	vial A pH<2 foamy sample	JC/MD	Ok
11	VX0604WBSD01	VX0604WBSD01	VX046497.D	04 Jun 2025 13:52		JC/MD	Ok,M
12	Q2200-01DL	RMW-02B-66-060325D	VX046498.D	04 Jun 2025 14:15		JC/MD	Ok
13	Q2200-02	RMW-03B-90-060325	VX046499.D	04 Jun 2025 14:39		JC/MD	Ok
14	Q2200-05	MW-11B-37.5-060325	VX046500.D	04 Jun 2025 15:02	Need 200X	JC/MD	Dilution
15	Q2175-06	EGR-LIQUID	VX046501.D	04 Jun 2025 15:26	Need 2000X	JC/MD	Dilution
16	IBLK	IBLK	VX046502.D	04 Jun 2025 15:50		JC/MD	Ok
17	IBLK	IBLK	VX046503.D	04 Jun 2025 16:13		JC/MD	Ok
18	Q2200-03	EB01-060325	VX046504.D	04 Jun 2025 16:37	EB	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX060425

Review By	Maresh Dadoda	Review On	6/5/2025 4:44:40 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:48:33 PM
SubDirectory	VX060425	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134124		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134125,VP134126		

19	Q2201-01	MW-01-6.5-060225	VX046505.D	04 Jun 2025 17:01	vial A pH<2	JC/MD	Ok
20	Q2198-05	B-202-GW01	VX046506.D	04 Jun 2025 17:25	BS failed low for comp. #17	JC/MD	ReRun
21	IBLK	IBLK	VX046507.D	04 Jun 2025 17:49		JC/MD	Ok
22	Q2200-01	RMW-02B-66-060325	VX046508.D	04 Jun 2025 18:12	Need 100X	JC/MD	Dilution
23	Q2200-05DL	MW-11B-37.5-060325D	VX046509.D	04 Jun 2025 18:36		JC/MD	Ok
24	Q2200-06	TB-01-060325	VX046510.D	04 Jun 2025 19:00	TB	JC/MD	Ok
25	Q2175-06DL	EGR-LIQUIDDL	VX046511.D	04 Jun 2025 19:24		JC/MD	Ok,M
26	VX0604MBS01	VX0604MBS01	VX046512.D	04 Jun 2025 19:47		JC/MD	Ok,M
27	Q2168-11ME	C2ME	VX046513.D	04 Jun 2025 20:11	Need 10X	JC/MD	Dilution
28	Q2168-07ME	B3ME	VX046514.D	04 Jun 2025 20:35		JC/MD	Ok
29	VSTDCCC050	VSTDCCC050EC	VX046515.D	04 Jun 2025 20:59		JC/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q2200	OrderDate:	6/3/2025 4:06:00 PM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2200-01	RMW-02B-66-060325	Water	VOCMS Group3	8260-Low	06/03/25		06/04/25	06/03/25
Q2200-01DL	RMW-02B-66-060325 DL	Water	VOCMS Group3	8260-Low	06/03/25		06/04/25	06/03/25
Q2200-02	RMW-03B-90-060325	Water	VOCMS Group3	8260-Low	06/03/25		06/04/25	06/03/25
Q2200-03	EB01-060325	Water	VOCMS Group3	8260-Low	06/03/25		06/04/25	06/03/25
Q2200-05	MW-11B-37.5-060325	Water	VOCMS Group3	8260-Low	06/03/25		06/04/25	06/03/25
Q2200-05DL	MW-11B-37.5-060325 DL	Water	VOCMS Group3	8260-Low	06/03/25		06/04/25	06/03/25
Q2200-06	TB-01-060325	Water	VOCMS Group3	8260-Low	06/03/25		06/04/25	06/03/25