

Hit Summary Sheet
SW-846

SDG No.: Q2233

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: MW-18B-56-060425								
Q2233-01	MW-18B-56-06042	Water	Vinyl Chloride	31.6		0.26	1.00	ug/L
Q2233-01	MW-18B-56-06042	Water	1,1-Dichloroethene	5.60		0.23	1.00	ug/L
Q2233-01	MW-18B-56-06042	Water	1,1-Dichloroethane	4.50		0.23	1.00	ug/L
Q2233-01	MW-18B-56-06042	Water	cis-1,2-Dichloroethene	410	E	0.19	1.00	ug/L
Q2233-01	MW-18B-56-06042	Water	Benzene	0.54	J	0.15	1.00	ug/L
Q2233-01	MW-18B-56-06042	Water	1,2-Dichloroethane	1.10		0.22	1.00	ug/L
Q2233-01	MW-18B-56-06042	Water	Trichloroethene	110		0.090	1.00	ug/L
Q2233-01	MW-18B-56-06042	Water	Tetrachloroethene	0.66	J	0.23	1.00	ug/L
Total Voc :				564				
Total Concentration:				564				
Client ID: MW-18B-56-060425DL								
Q2233-01DL	MW-18B-56-06042	Water	Vinyl Chloride	33.4	D	2.60	10.0	ug/L
Q2233-01DL	MW-18B-56-06042	Water	cis-1,2-Dichloroethene	400	D	1.90	10.0	ug/L
Q2233-01DL	MW-18B-56-06042	Water	Trichloroethene	120	D	0.93	10.0	ug/L
Total Voc :				553				
Total Concentration:				553				
Client ID: MW-18B-56-060425-FD								
Q2233-03	MW-18B-56-06042	Water	Vinyl Chloride	42.1		0.26	1.00	ug/L
Q2233-03	MW-18B-56-06042	Water	1,1-Dichloroethene	6.40		0.23	1.00	ug/L
Q2233-03	MW-18B-56-06042	Water	1,1-Dichloroethane	5.50		0.23	1.00	ug/L
Q2233-03	MW-18B-56-06042	Water	cis-1,2-Dichloroethene	570	E	0.19	1.00	ug/L
Q2233-03	MW-18B-56-06042	Water	Benzene	0.55	J	0.15	1.00	ug/L
Q2233-03	MW-18B-56-06042	Water	1,2-Dichloroethane	1.70		0.22	1.00	ug/L
Q2233-03	MW-18B-56-06042	Water	Trichloroethene	79.6		0.090	1.00	ug/L
Q2233-03	MW-18B-56-06042	Water	Tetrachloroethene	0.59	J	0.23	1.00	ug/L
Total Voc :				706				
Total Concentration:				706				
Client ID: MW-18B-56-060425-FDDL								
Q2233-03DL	MW-18B-56-06042	Water	Vinyl Chloride	42.4	D	2.60	10.0	ug/L
Q2233-03DL	MW-18B-56-06042	Water	1,1-Dichloroethene	5.40	JD	2.30	10.0	ug/L
Q2233-03DL	MW-18B-56-06042	Water	cis-1,2-Dichloroethene	520	D	1.90	10.0	ug/L
Q2233-03DL	MW-18B-56-06042	Water	Trichloroethene	76.2	D	0.93	10.0	ug/L
Total Voc :				644				
Total Concentration:				644				
Client ID: MW-19B-72-060425								
Q2233-04	MW-19B-72-06042	Water	Vinyl Chloride	15.0		2.60	10.0	ug/L
Q2233-04	MW-19B-72-06042	Water	1,1-Dichloroethene	34.7		2.30	10.0	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q2233

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2233-04	MW-19B-72-06042	Water	cis-1,2-Dichloroethene	4500	E	1.90	10.0	ug/L
Q2233-04	MW-19B-72-06042	Water	Trichloroethene	3300	E	0.93	10.0	ug/L
Q2233-04	MW-19B-72-06042	Water	Tetrachloroethene	170		2.30	10.0	ug/L
Total Voc :				8020				
Total Concentration:				8020				
Client ID:	MW-19B-72-060425DL							
Q2233-04DL	MW-19B-72-06042	Water	cis-1,2-Dichloroethene	4300	D	19.0	100	ug/L
Q2233-04DL	MW-19B-72-06042	Water	Trichloroethene	3400	D	9.30	100	ug/L
Q2233-04DL	MW-19B-72-06042	Water	Tetrachloroethene	180	D	23.0	100	ug/L
Total Voc :				7880				
Total Concentration:				7880				



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-18B-56-060425	SDG No.:	Q2233
Lab Sample ID:	Q2233-01	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
VX046608.D	1		06/10/25 17:07	VX061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	31.6		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	5.60		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	4.50		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	410	E	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	0.54	J	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.10		0.22	1.00	ug/L
79-01-6	Trichloroethene	110		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	0.66	J	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	54.1		70 (86) - 130 (113)	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		70 (77) - 130 (121)	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	113000	5.562			
540-36-3	1,4-Difluorobenzene	223000	6.769			
3114-55-4	Chlorobenzene-d5	230000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	117000	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:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-18B-56-060425DL	SDG No.:	Q2233
Lab Sample ID:	Q2233-01DL	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
VX046596.D	10		06/10/25 12:51	VX061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	33.4	D	2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	UD	2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	UD	2.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	400	D	1.90	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	2.00	10.0	ug/L
71-43-2	Benzene	1.50	UD	1.50	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	UD	2.20	10.0	ug/L
79-01-6	Trichloroethene	120	D	0.93	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	UD	2.10	10.0	ug/L
127-18-4	Tetrachloroethene	2.30	UD	2.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	54.5		70 (86) - 130 (113)	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.1		70 (77) - 130 (121)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	113000	5.562			
540-36-3	1,4-Difluorobenzene	220000	6.769			
3114-55-4	Chlorobenzene-d5	226000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	112000	12.018			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-18B-56-060425-FD	SDG No.:	Q2233
Lab Sample ID:	Q2233-03	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
VX046609.D	1		06/10/25 17:28	VX061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	42.1		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	6.40		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	5.50		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	570	E	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	0.55	J	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.70		0.22	1.00	ug/L
79-01-6	Trichloroethene	79.6		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	0.59	J	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	54.9		70 (86) - 130 (113)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		70 (77) - 130 (121)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	107000	5.568			
540-36-3	1,4-Difluorobenzene	210000	6.769			
3114-55-4	Chlorobenzene-d5	218000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	111000	12.018			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/04/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-18B-56-060425-FDDL	SDG No.:	Q2233
Lab Sample ID:	Q2233-03DL	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
VX046597.D	10		06/10/25 13:13	VX061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	42.4	D	2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	5.40	JD	2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	UD	2.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	520	D	1.90	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	2.00	10.0	ug/L
71-43-2	Benzene	1.50	UD	1.50	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	UD	2.20	10.0	ug/L
79-01-6	Trichloroethene	76.2	D	0.93	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	UD	2.10	10.0	ug/L
127-18-4	Tetrachloroethene	2.30	UD	2.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	54.8		70 (86) - 130 (113)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.8		70 (77) - 130 (121)	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	114000	5.562			
540-36-3	1,4-Difluorobenzene	221000	6.769			
3114-55-4	Chlorobenzene-d5	228000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	114000	12.018			

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QC SUMMARY

Surrogate Summary

SDG No.: Q2233

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2233-01	MW-18B-56-060425	1,2-Dichloroethane-d4	50	48.4	97	70 (74)	130 (125)
		Dibromofluoromethane	50	49.1	98	70 (75)	130 (124)
		Toluene-d8	50	54.1	108	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.9	112	70 (77)	130 (121)
Q2233-01DL	MW-18B-56-060425DL	1,2-Dichloroethane-d4	50	48.5	97	70 (74)	130 (125)
		Dibromofluoromethane	50	50.0	100	70 (75)	130 (124)
		Toluene-d8	50	54.5	109	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.1	110	70 (77)	130 (121)
Q2233-03	MW-18B-56-060425-FD	1,2-Dichloroethane-d4	50	49.1	98	70 (74)	130 (125)
		Dibromofluoromethane	50	49.7	99	70 (75)	130 (124)
		Toluene-d8	50	54.9	110	70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.5	113	70 (77)	130 (121)
Q2233-03DL	MW-18B-56-060425-FDDL	1,2-Dichloroethane-d4	50	49.2	98	70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102	70 (75)	130 (124)
		Toluene-d8	50	54.8	110	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.8	112	70 (77)	130 (121)
Q2233-04	MW-19B-72-060425	1,2-Dichloroethane-d4	50	49.6	99	70 (74)	130 (125)
		Dibromofluoromethane	50	50.1	100	70 (75)	130 (124)
		Toluene-d8	50	54.0	108	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.9	112	70 (77)	130 (121)
Q2233-04DL	MW-19B-72-060425DL	1,2-Dichloroethane-d4	50	46.3	93	70 (74)	130 (125)
		Dibromofluoromethane	50	48.1	96	70 (75)	130 (124)
		Toluene-d8	50	54.8	110	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.5	109	70 (77)	130 (121)
VX0610WBL01	VX0610WBL01	1,2-Dichloroethane-d4	50	50.1	100	70 (74)	130 (125)
		Dibromofluoromethane	50	50.1	100	70 (75)	130 (124)
		Toluene-d8	50	54.3	109	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.8	110	70 (77)	130 (121)
VX0610WBS01	VX0610WBS01	1,2-Dichloroethane-d4	50	47.4	95	70 (74)	130 (125)
		Dibromofluoromethane	50	53.0	106	70 (75)	130 (124)
		Toluene-d8	50	51.5	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.1	106	70 (77)	130 (121)
VX0610WBSD01	VX0610WBSD01	1,2-Dichloroethane-d4	50	49.3	99	70 (74)	130 (125)
		Dibromofluoromethane	50	52.3	105	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.4	105	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2233

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VX046589.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0610WBS01	Vinyl chloride	20	18.7	ug/L	94			70 (65)	130 (117)	
	1,1-Dichloroethene	20	19.2	ug/L	96			70 (74)	130 (110)	
	1,1-Dichloroethane	20	20.4	ug/L	102			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	20.6	ug/L	103			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	20.6	ug/L	103			70 (80)	130 (108)	
	Benzene	20	21.0	ug/L	105			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.8	ug/L	104			70 (80)	130 (115)	
	Trichloroethene	20	20.1	ug/L	101			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	21.6	ug/L	108			70 (83)	130 (112)	
	Tetrachloroethene	20	20.3	ug/L	102			70 (67)	130 (123)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2233

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VX046590.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0610WBSD01	Vinyl chloride	20	19.1	ug/L	96	2		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	19.8	ug/L	99	3		70 (74)	130 (110)	20 (20)
	1,1-Dichloroethane	20	20.7	ug/L	104	2		70 (78)	130 (112)	20 (20)
	cis-1,2-Dichloroethene	20	20.5	ug/L	103	0		70 (77)	130 (110)	20 (20)
	1,1,1-Trichloroethane	20	20.9	ug/L	104	1		70 (80)	130 (108)	20 (20)
	Benzene	20	20.6	ug/L	103	2		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	20.6	ug/L	103	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.8	ug/L	99	2		70 (77)	130 (113)	20 (15)
	1,1,2-Trichloroethane	20	22.3	ug/L	112	4		70 (83)	130 (112)	20 (20)
	Tetrachloroethene	20	19.8	ug/L	99	3		70 (67)	130 (123)	20 (15)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0610WBL01

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q2233

SAS No.: Q2233 SDG NO.: Q2233

Lab File ID: VX046588.D

Lab Sample ID: VX0610WBL01

Date Analyzed: 06/10/2025

Time Analyzed: 09:57

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
VX0610WBS01	VX0610WBS01	VX046589.D	06/10/2025
VX0610WBSD01	VX0610WBSD01	VX046590.D	06/10/2025
MW-18B-56-060425DL	Q2233-01DL	VX046596.D	06/10/2025
MW-18B-56-060425-FDDL	Q2233-03DL	VX046597.D	06/10/2025
MW-19B-72-060425DL	Q2233-04DL	VX046598.D	06/10/2025
MW-18B-56-060425	Q2233-01	VX046608.D	06/10/2025
MW-18B-56-060425-FD	Q2233-03	VX046609.D	06/10/2025
MW-19B-72-060425	Q2233-04	VX046610.D	06/10/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2233 SAS No.: Q2233 SDG NO.: Q2233
Lab File ID: VX046516.D BFB Injection Date: 06/06/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:47
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	21
75	30.0 - 60.0% of mass 95	56.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (1) 1
174	50.0 - 100.0% of mass 95	65.2
175	5.0 - 9.0% of mass 174	5 (7.7) 1
176	95.0 - 101.0% of mass 174	62.7 (96.1) 1
177	5.0 - 9.0% of mass 176	4.2 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VX046518.D	06/06/2025	09:42
VSTDIC020	VSTDIC020	VX046519.D	06/06/2025	10:18
VSTDIC050	VSTDIC050	VX046520.D	06/06/2025	10:40
VSTDIC100	VSTDIC100	VX046521.D	06/06/2025	11:02
VSTDIC150	VSTDIC150	VX046522.D	06/06/2025	11:25
VSTDIC001	VSTDIC001	VX046524.D	06/06/2025	12:57

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2233 SAS No.: Q2233 SDG NO.: Q2233
Lab File ID: VX046585.D BFB Injection Date: 06/10/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:36
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	20.5
75	30.0 - 60.0% of mass 95	55
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	70.1
175	5.0 - 9.0% of mass 174	5.3 (7.6) 1
176	95.0 - 101.0% of mass 174	68.4 (97.6) 1
177	5.0 - 9.0% of mass 176	4.6 (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	VX046586.D	06/10/2025	09:07
VX0610WBL01	VX0610WBL01	VX046588.D	06/10/2025	09:57
VX0610WBS01	VX0610WBS01	VX046589.D	06/10/2025	10:18
VX0610WBSD01	VX0610WBSD01	VX046590.D	06/10/2025	10:44
MW-18B-56-060425DL	Q2233-01DL	VX046596.D	06/10/2025	12:51
MW-18B-56-060425-FDDL	Q2233-03DL	VX046597.D	06/10/2025	13:13
MW-19B-72-060425DL	Q2233-04DL	VX046598.D	06/10/2025	13:34
MW-18B-56-060425	Q2233-01	VX046608.D	06/10/2025	17:07
MW-18B-56-060425-FD	Q2233-03	VX046609.D	06/10/2025	17:28
MW-19B-72-060425	Q2233-04	VX046610.D	06/10/2025	17:50

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2233 SAS No.: Q2233 SDG NO.: Q2233
Lab File ID: VX046586.D Date Analyzed: 06/10/2025
Instrument ID: MSVOA_X Time Analyzed: 09:07
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	90758	5.56	150623	6.76	134767	10.06
UPPER LIMIT	181516	6.056	301246	7.263	269534	10.555
LOWER LIMIT	45379	5.056	75311.5	6.263	67383.5	9.555
EPA SAMPLE NO.						
MW-18B-56-060425	112905	5.56	222507	6.77	229917	10.06
MW-18B-56-060425DL	113282	5.56	219800	6.77	225853	10.06
MW-18B-56-060425-FD	107308	5.57	209766	6.77	218031	10.06
MW-18B-56-060425-FDDL	114089	5.56	221007	6.77	228335	10.06
MW-19B-72-060425	109464	5.56	216135	6.77	222806	10.06
MW-19B-72-060425DL	114321	5.56	223942	6.77	230937	10.06
VX0610WBL01	106110	5.56	211553	6.77	217338	10.06
VX0610WBS01	84052	5.56	143506	6.77	131426	10.06
VX0610WBSD01	79698	5.56	139229	6.77	126313	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.: Q2233 SAS No.: Q2233 SDG NO.: Q2233
 Lab File ID: VX046586.D Date Analyzed: 06/10/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:07
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	66941	12.018				
UPPER LIMIT	133882	12.518				
LOWER LIMIT	33470.5	11.518				
EPA SAMPLE NO.						
MW-18B-56-060425	116937	12.02				
MW-18B-56-060425DL	112325	12.02				
MW-18B-56-060425-FD	110562	12.02				
MW-18B-56-060425-FDDL	113693	12.02				
MW-19B-72-060425	113207	12.02				
MW-19B-72-060425DL	116361	12.02				
VX0610WBL01	104374	12.02				
VX0610WBS01	68222	12.02				
VX0610WBSD01	65284	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

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:	VX0610WBS01	SDG No.:	Q2233
Lab Sample ID:	VX0610WBS01	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
VX046589.D	1		06/10/25 10:18	VX061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.7		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.4		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.6		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.6		0.20	1.00	ug/L
71-43-2	Benzene	21.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.1		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	20.3		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.4		70 (74) - 130 (125)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	84100	5.562			
540-36-3	1,4-Difluorobenzene	144000	6.769			
3114-55-4	Chlorobenzene-d5	131000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	68200	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:	VX0610WBSD01	SDG No.:	Q2233
Lab Sample ID:	VX0610WBSD01	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
VX046590.D	1		06/10/25 10:44	VX061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.1		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.7		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.5		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.9		0.20	1.00	ug/L
71-43-2	Benzene	20.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.8		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.3		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	79700	5.562			
540-36-3	1,4-Difluorobenzene	139000	6.769			
3114-55-4	Chlorobenzene-d5	126000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	65300	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



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JAC005
 Lab Code: CHEM Case No.: Q2233 SAS No.: Q2233 SDG No.: Q2233
 Instrument ID: MSVOA_X Calibration Date(s): 06/06/2025 06/06/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:42 12:57
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF005 = VX046518.D		RRF020 = VX046519.D		RRF050 = VX046520.D		
		RRF100 = VX046521.D		RRF150 = VX046522.D		RRF001 = VX046524.D		
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	RRF	% RSD
Vinyl Chloride	0.697	0.593	0.596	0.591	0.622	0.679	0.630	7.5
1,1-Dichloroethene	0.663	0.550	0.567	0.561	0.585	0.635	0.594	7.6
1,1-Dichloroethane	1.349	1.266	1.259	1.234	1.297	1.281	1.281	3.1
cis-1,2-Dichloroethene	0.786	0.752	0.741	0.728	0.767	0.866	0.773	6.4
1,1,1-Trichloroethane	1.170	1.131	1.141	1.128	1.188	1.131	1.148	2.2
Benzene	1.597	1.503	1.427	1.380	1.442	1.522	1.479	5.3
1,2-Dichloroethane	0.646	0.641	0.610	0.586	0.602	0.606	0.615	3.8
Trichloroethene	0.385	0.356	0.351	0.332	0.354	0.476	0.376	13.8
1,1,2-Trichloroethane	0.375	0.389	0.366	0.356	0.372	0.331	0.365	5.4
Tetrachloroethene	0.347	0.324	0.310	0.301	0.314	0.410	0.334	12.1
1,2-Dichloroethane-d4	0.997	0.848	0.873	0.828	0.900		0.890	7.4
Dibromofluoromethane	0.392	0.353	0.368	0.347	0.379		0.368	5
Toluene-d8	1.362	1.159	1.188	1.132	1.220		1.212	7.4
4-Bromofluorobenzene	0.564	0.482	0.493	0.468	0.501		0.502	7.4

* 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.: Q2233 SAS No.: Q2233 SDG No.: Q2233

Instrument ID: MSVOA_X Calibration Date/Time: 06/10/2025 09:07

Lab File ID: VX046586.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:42 12:57

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.630	0.640		1.59	20
1,1-Dichloroethene	0.594	0.603		1.51	20
1,1-Dichloroethane	1.281	1.282	0.1	0.08	20
cis-1,2-Dichloroethene	0.773	0.814		5.3	20
1,1,1-Trichloroethane	1.148	1.224		6.62	20
Benzene	1.479	1.615		9.19	20
1,2-Dichloroethane	0.615	0.657		6.83	20
Trichloroethene	0.376	0.395		5.05	20
1,1,2-Trichloroethane	0.365	0.402		10.14	20
Tetrachloroethene	0.334	0.336		0.6	20
1,2-Dichloroethane-d4	0.890	0.757		-14.94	20
Dibromofluoromethane	0.368	0.360		-2.17	20
Toluene-d8	1.212	1.152		-4.95	20
4-Bromofluorobenzene	0.502	0.468		-6.77	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\VX061025\
 Data File : VX046608.D
 Acq On : 10 Jun 2025 17:07
 Operator : JC/MD
 Sample : Q2233-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-060425

Quant Time: Jun 11 01:51:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

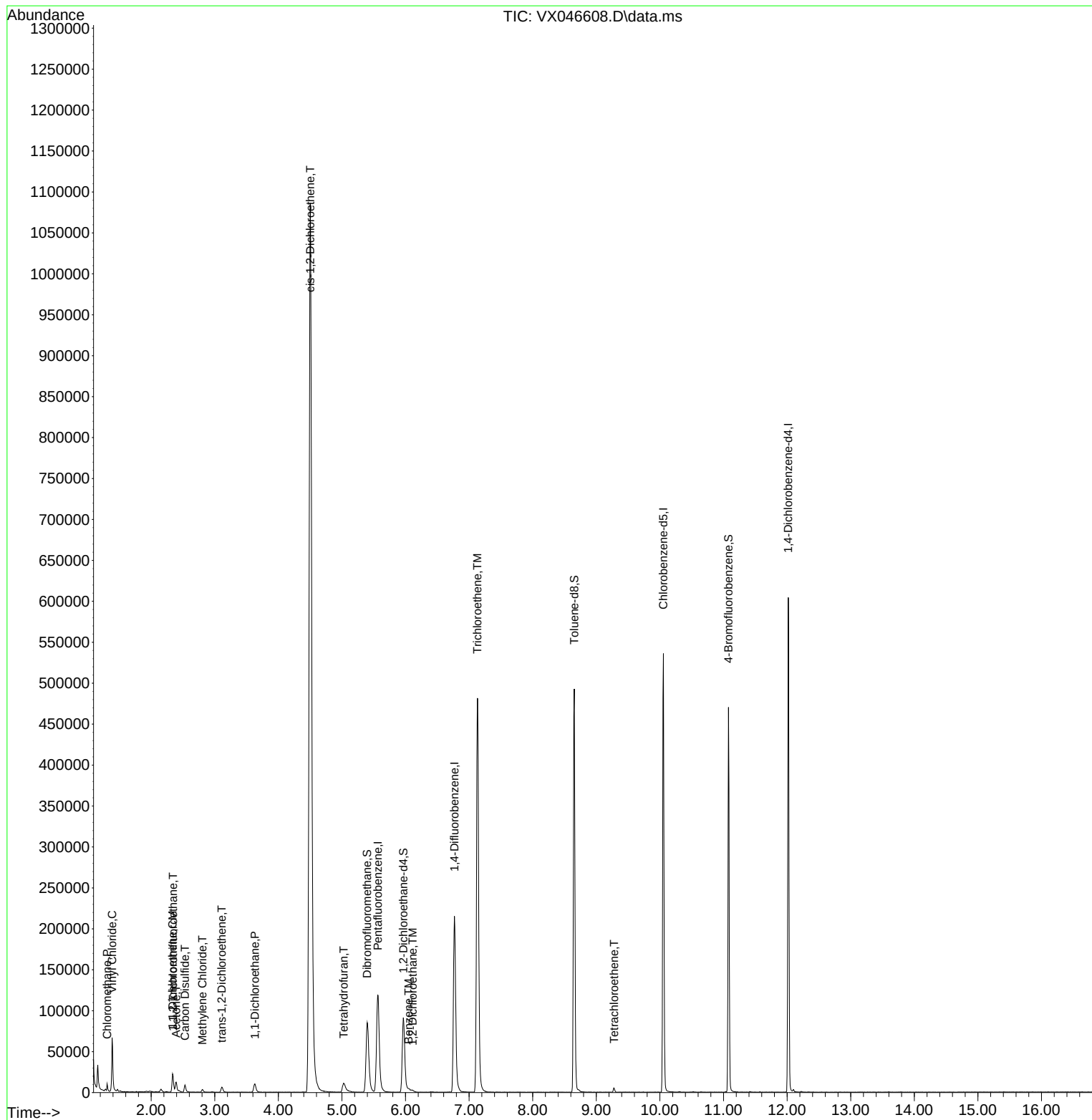
Internal Standards						
1) Pentafluorobenzene	5.562	168	112905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	222507	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	116937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97279	48.429	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.860%
35) Dibromofluoromethane	5.397	113	80294	49.070	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.140%
50) Toluene-d8	8.653	98	291744	54.080	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.160%
62) 4-Bromofluorobenzene	11.079	95	124809	55.917	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	111.840%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	4970	3.483	ug/l	100
4) Vinyl Chloride	1.386	62	44919	31.583	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	1112	0.750	ug/l	98
12) 1,1-Dichloroethene	2.337	96	7556	5.637	ug/l	93
16) Acetone	2.392	43	15268	23.595	ug/l	94
17) Carbon Disulfide	2.532	76	9593	3.559	ug/l	97
20) Methylene Chloride	2.806	84	1536	0.953	ug/l	94
21) trans-1,2-Dichloroethene	3.111	96	2911	2.052	ug/l	90
24) 1,1-Dichloroethane	3.629	63	13107	4.531	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	722609	413.793	ug/l	86
29) Tetrahydrofuran	5.025	42	13100	18.550	ug/l	96
40) Benzene	6.050	78	3567	0.542	ug/l #	90
42) 1,2-Dichloroethane	6.111	62	2891	1.056	ug/l	94
44) Trichloroethene	7.129	130	190281	113.812	ug/l	96
64) Tetrachloroethene	9.281	164	1016	0.661	ug/l	97

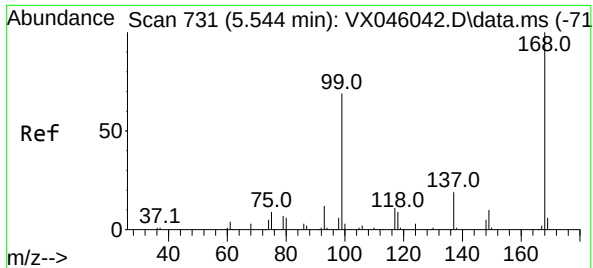
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046608.D
Acq On : 10 Jun 2025 17:07
Operator : JC/MD
Sample : Q2233-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425

Quant Time: Jun 11 01:51:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

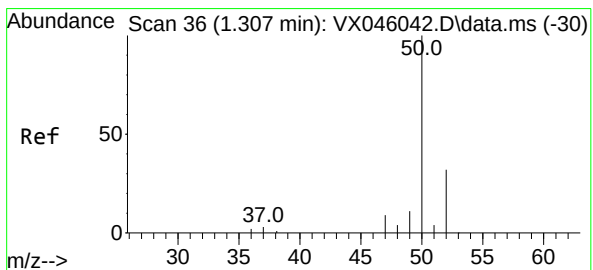
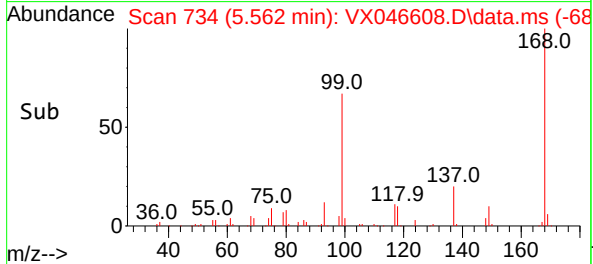
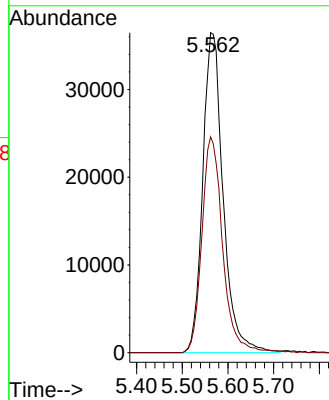
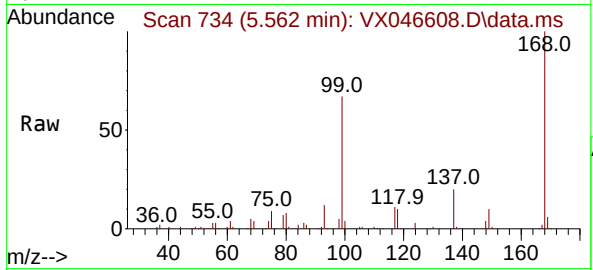




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046608.D
Acq: 10 Jun 2025 17:07

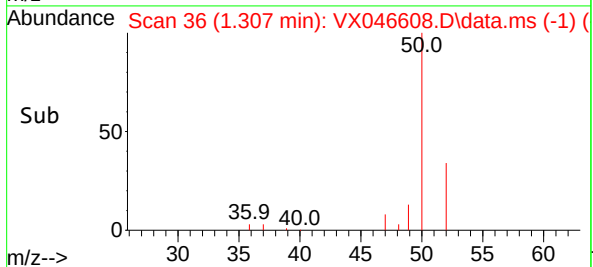
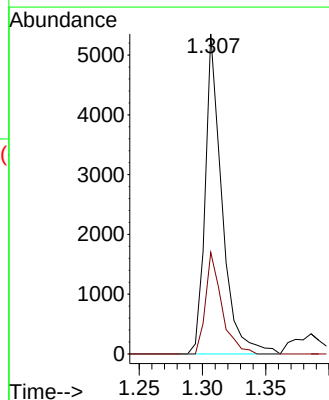
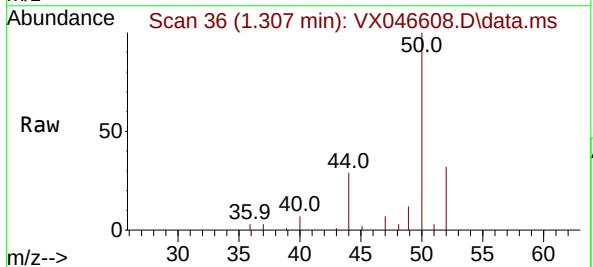
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425

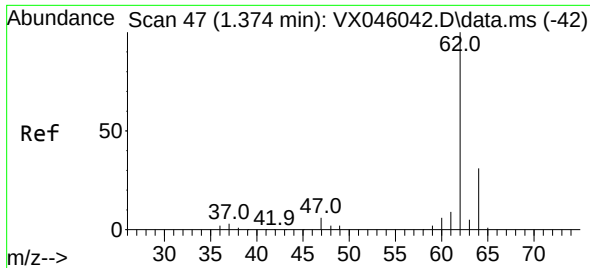
Tgt Ion:168 Resp: 112905
Ion Ratio Lower Upper
168 100
99 67.5 54.9 82.3



#3
Chloromethane
Concen: 3.483 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046608.D
Acq: 10 Jun 2025 17:07

Tgt Ion: 50 Resp: 4970
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.2





#4
Vinyl Chloride

Concen: 31.583 ug/l

RT: 1.386 min Scan# 49

Delta R.T. -0.000 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

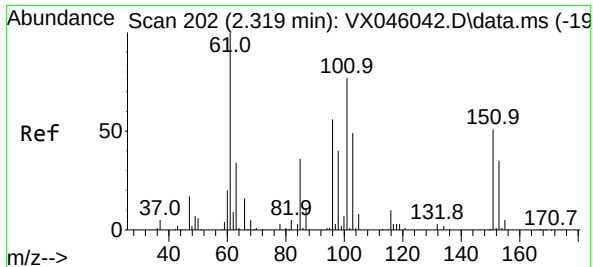
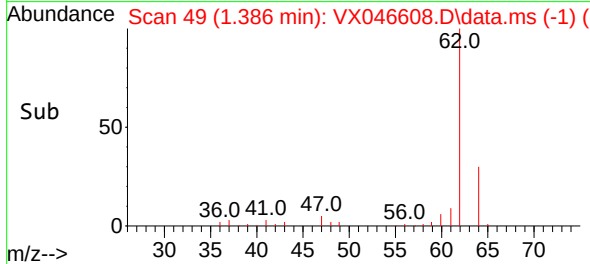
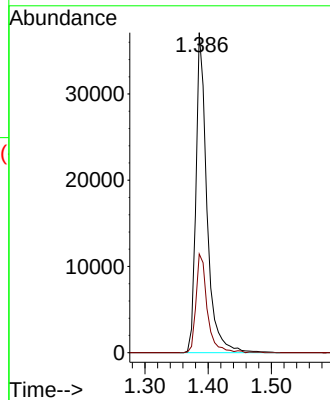
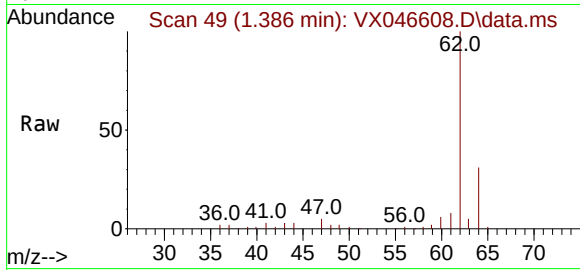
MW-18B-56-060425

Tgt Ion: 62 Resp: 44919

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.750 ug/l

RT: 2.343 min Scan# 206

Delta R.T. -0.006 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

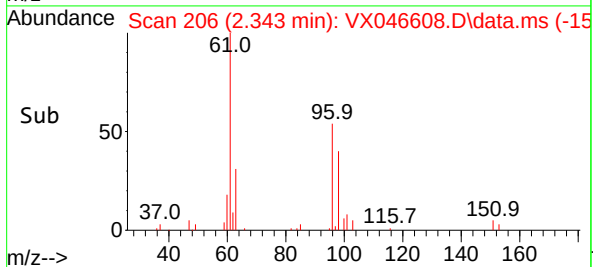
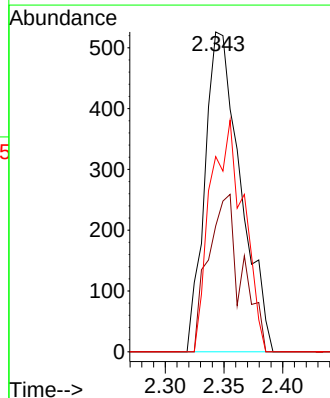
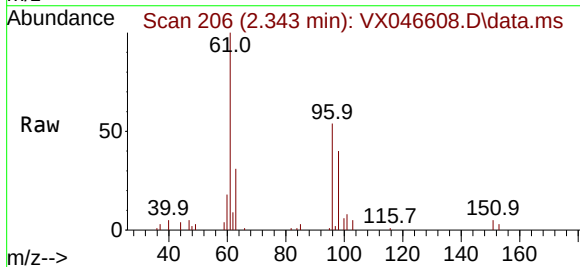
Tgt Ion: 101 Resp: 1112

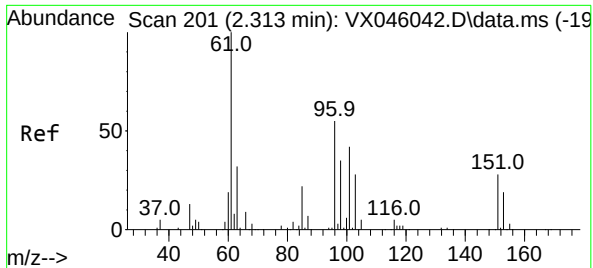
Ion Ratio Lower Upper

101 100

85 45.9 38.6 58.0

151 67.9 55.2 82.8





#12

1,1-Dichloroethene

Concen: 5.637 ug/l

RT: 2.337 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425

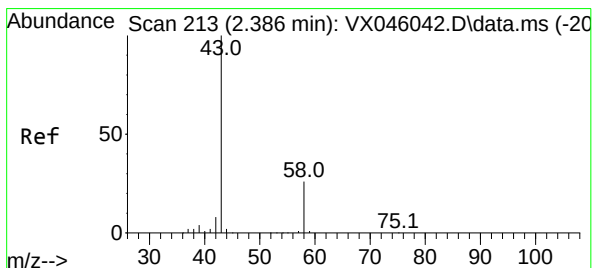
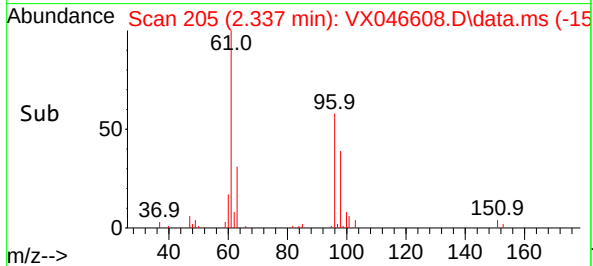
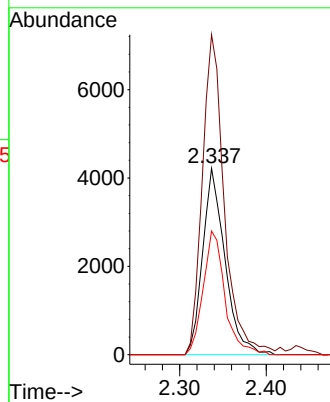
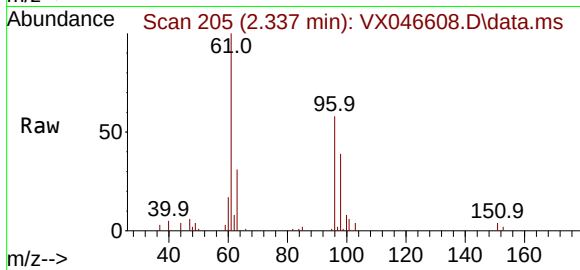
Tgt Ion: 96 Resp: 7556

Ion Ratio Lower Upper

96 100

61 171.7 146.2 219.2

98 66.4 51.0 76.6



#16

Acetone

Concen: 23.595 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX046608.D

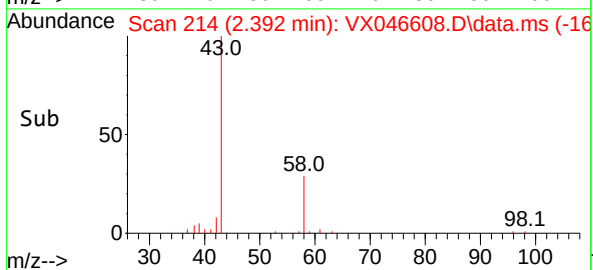
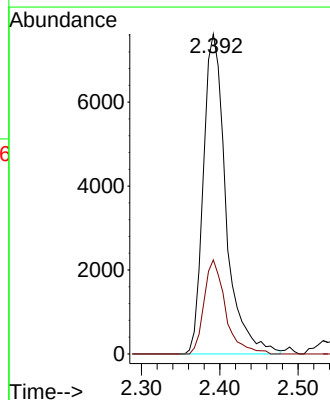
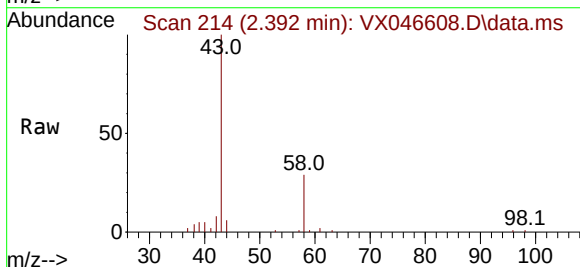
Acq: 10 Jun 2025 17:07

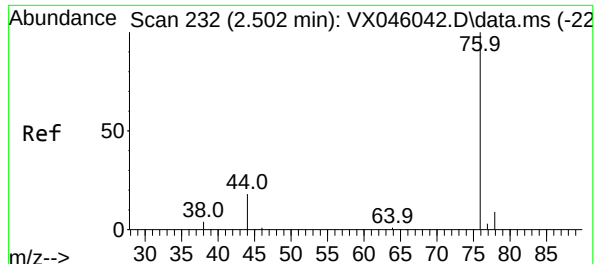
Tgt Ion: 43 Resp: 15268

Ion Ratio Lower Upper

43 100

58 29.4 21.2 31.8





#17

Carbon Disulfide

Concen: 3.559 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

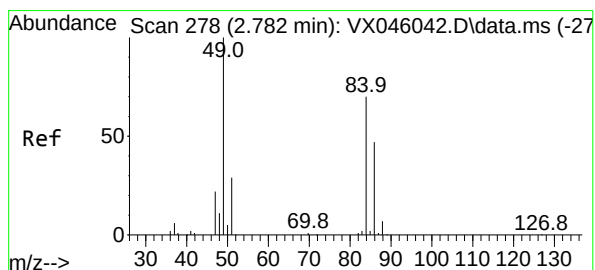
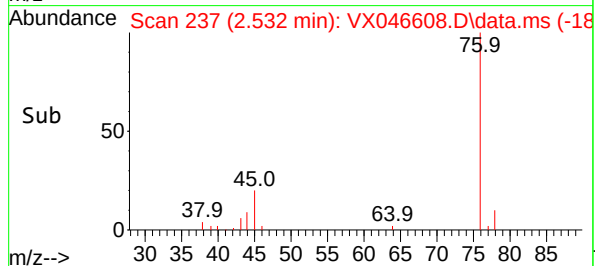
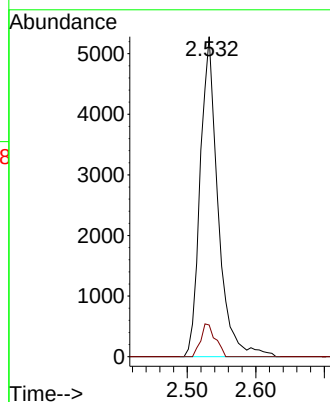
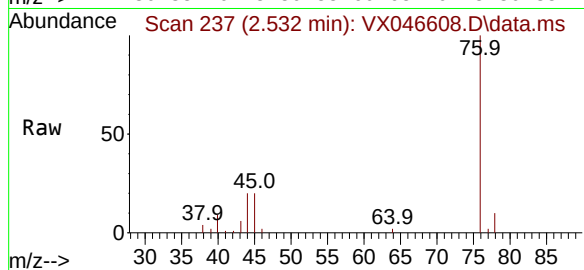
MW-18B-56-060425

Tgt Ion: 76 Resp: 9593

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.4



#20

Methylene Chloride

Concen: 0.953 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Tgt Ion: 84 Resp: 1536

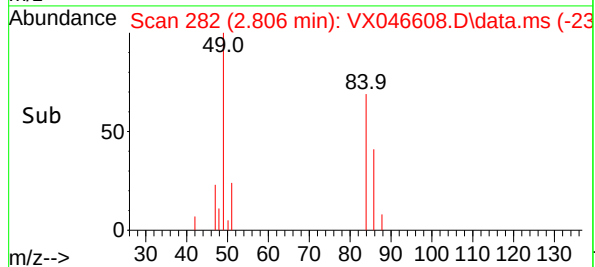
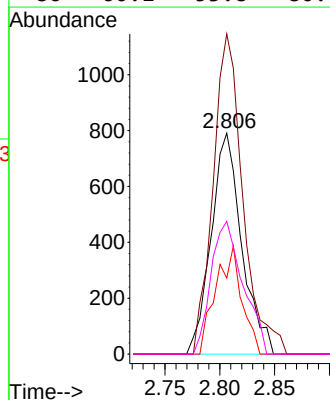
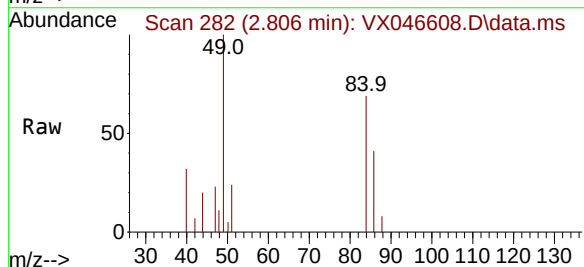
Ion Ratio Lower Upper

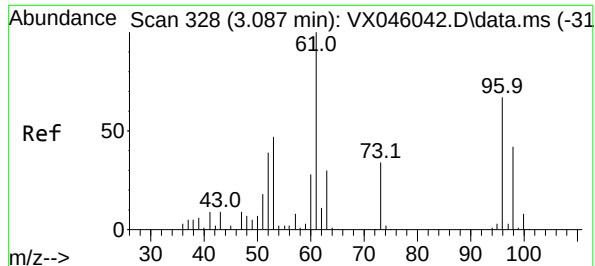
84 100

49 144.9 113.9 170.9

51 34.4 33.5 50.3

86 60.1 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 2.052 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425

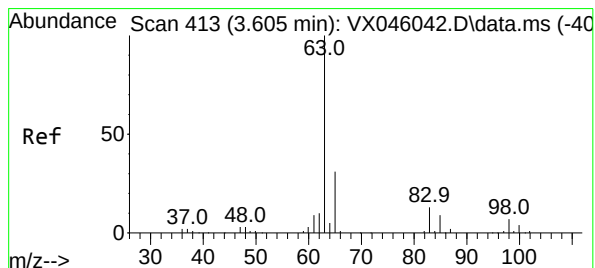
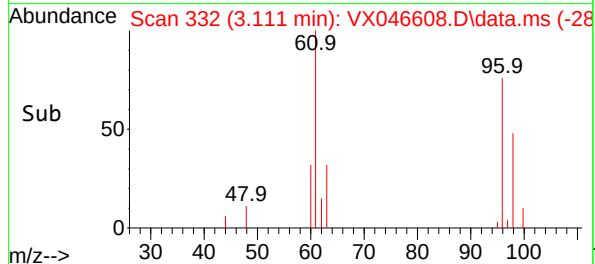
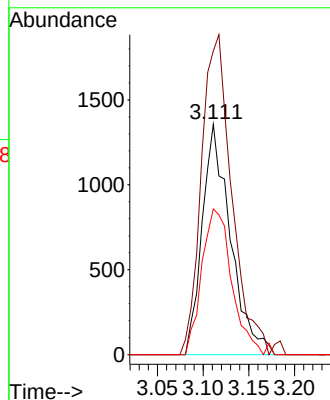
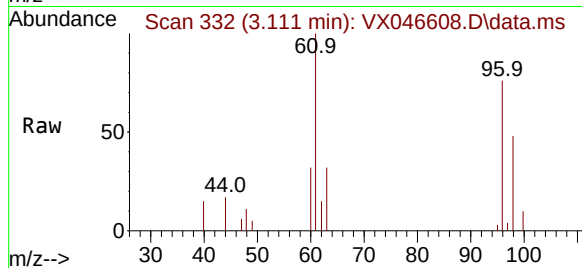
Tgt Ion: 96 Resp: 2911

Ion Ratio Lower Upper

96 100

61 131.9 119.5 179.3

98 63.3 50.0 75.0



#24

1,1-Dichloroethane

Concen: 4.531 ug/l

RT: 3.629 min Scan# 417

Delta R.T. 0.000 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

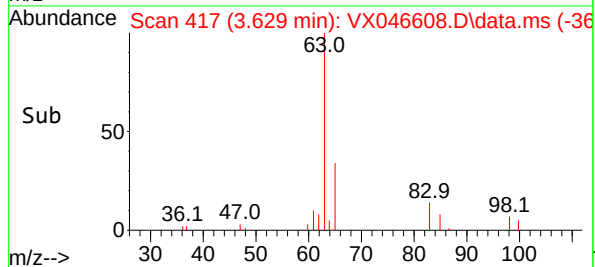
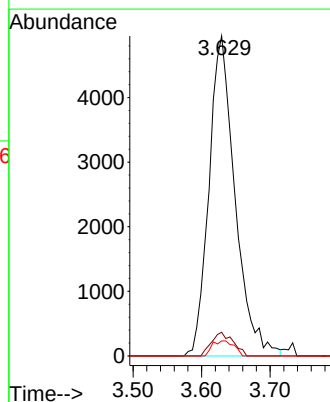
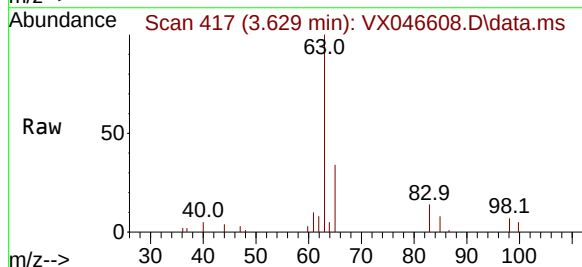
Tgt Ion: 63 Resp: 13107

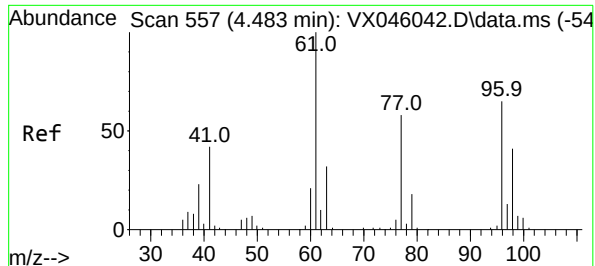
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.7 2.1 6.3





#27

cis-1,2-Dichloroethene

Concen: 413.793 ug/l

RT: 4.501 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425

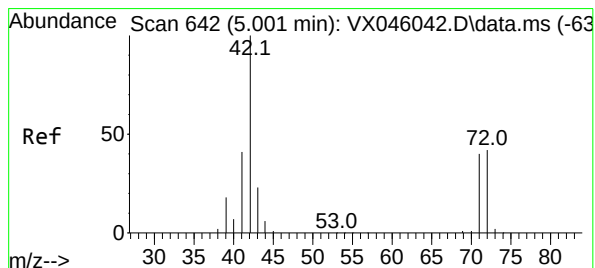
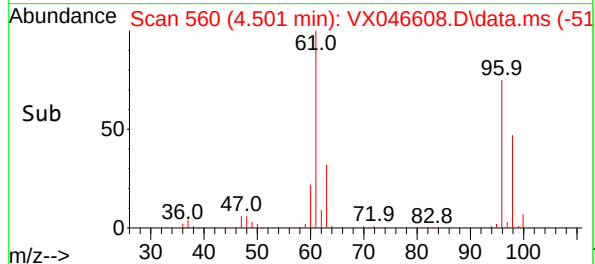
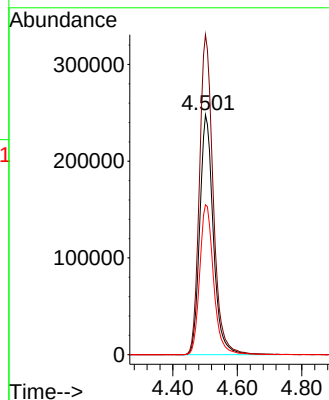
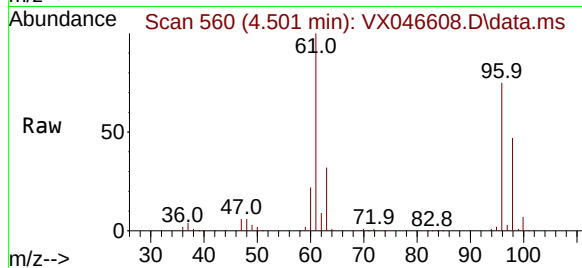
Tgt Ion: 96 Resp: 722609

Ion Ratio Lower Upper

96 100

61 135.0 0.0 322.8

98 64.1 0.0 129.0



#29

Tetrahydrofuran

Concen: 18.550 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.006 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

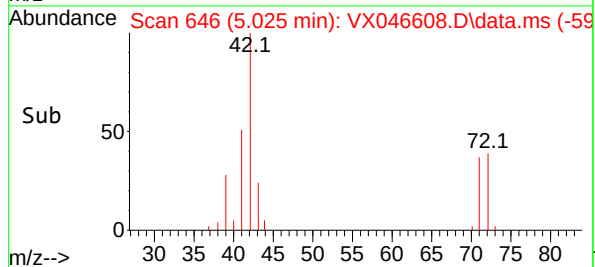
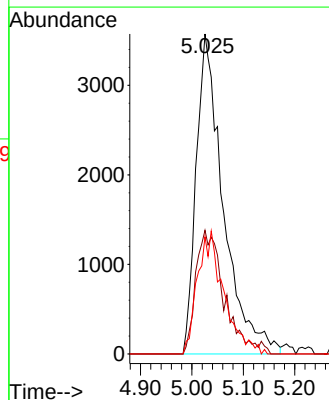
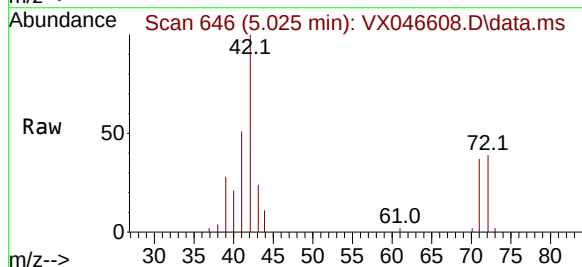
Tgt Ion: 42 Resp: 13100

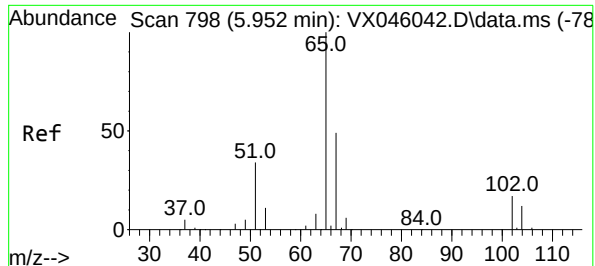
Ion Ratio Lower Upper

42 100

72 39.7 33.7 50.5

71 37.3 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 48.429 ug/l

RT: 5.964 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

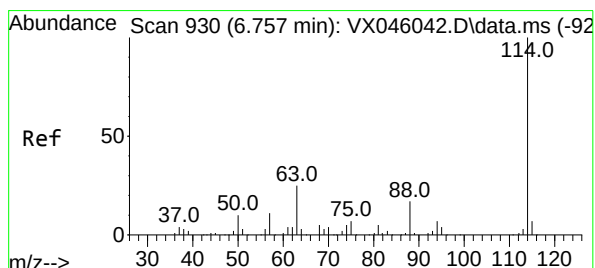
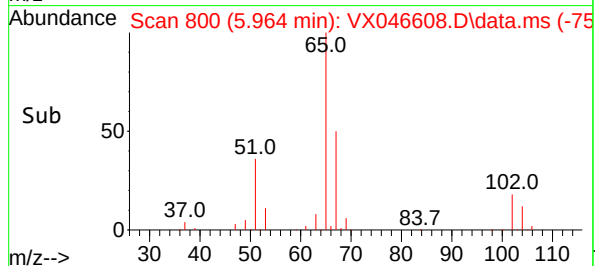
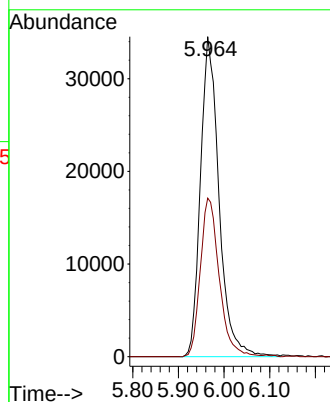
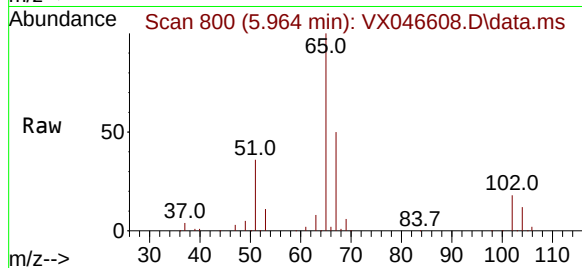
MW-18B-56-060425

Tgt Ion: 65 Resp: 97279

Ion Ratio Lower Upper

65 100

67 50.5 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.006 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

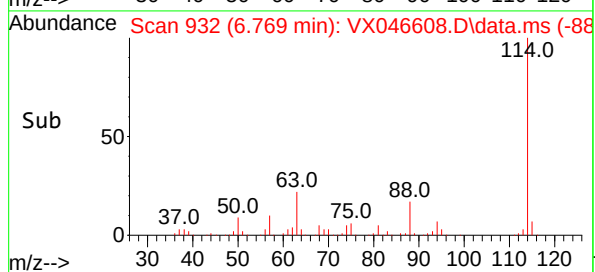
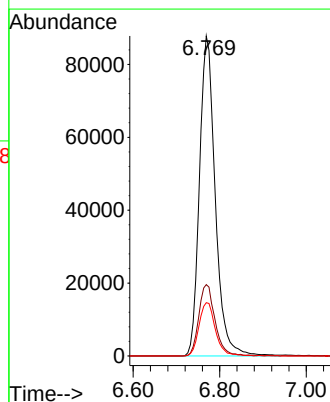
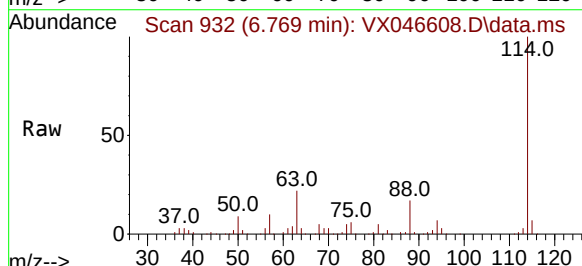
Tgt Ion: 114 Resp: 222507

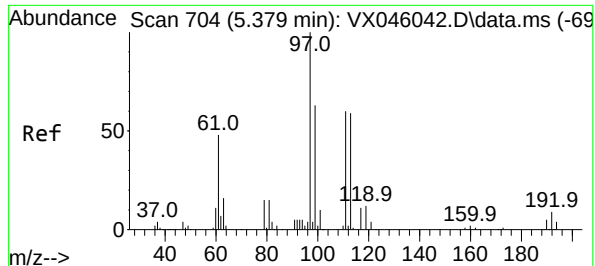
Ion Ratio Lower Upper

114 100

63 22.3 0.0 49.2

88 16.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 49.070 ug/l

RT: 5.397 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX046608.D

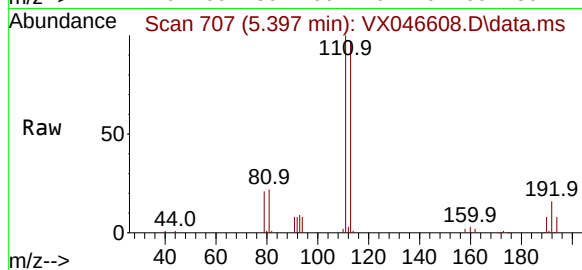
Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425



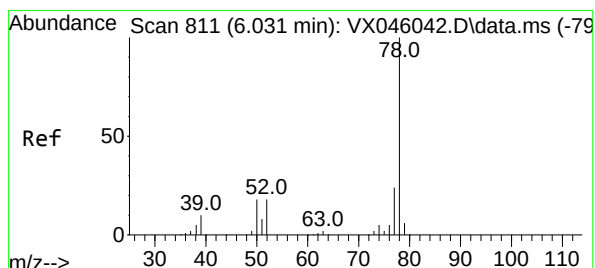
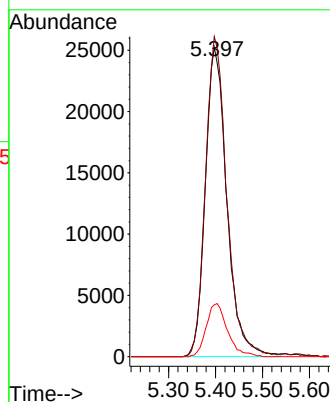
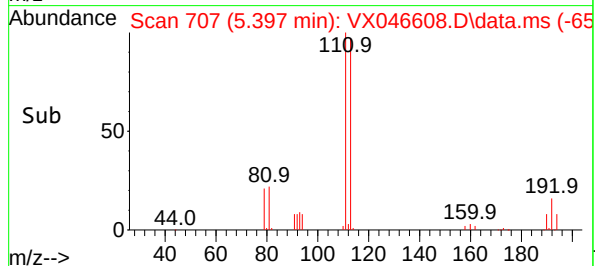
Tgt Ion:113 Resp: 80294

Ion Ratio Lower Upper

113 100

111 102.5 83.1 124.7

192 17.0 13.3 19.9



#40

Benzene

Concen: 0.542 ug/l

RT: 6.050 min Scan# 814

Delta R.T. -0.006 min

Lab File: VX046608.D

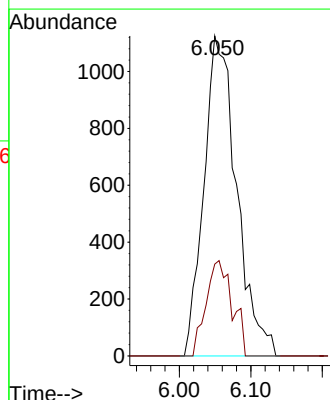
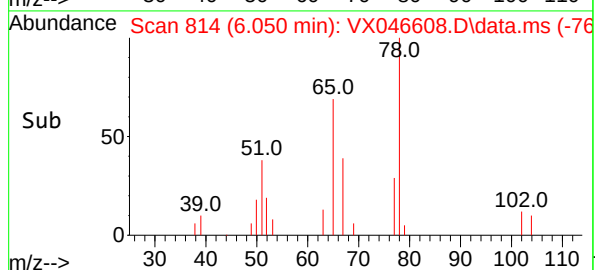
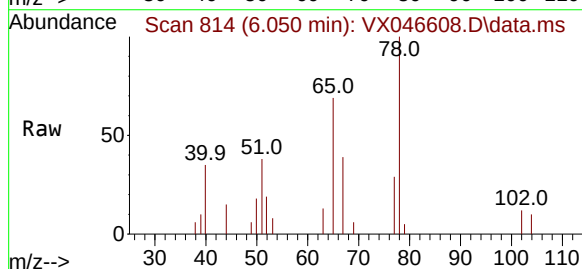
Acq: 10 Jun 2025 17:07

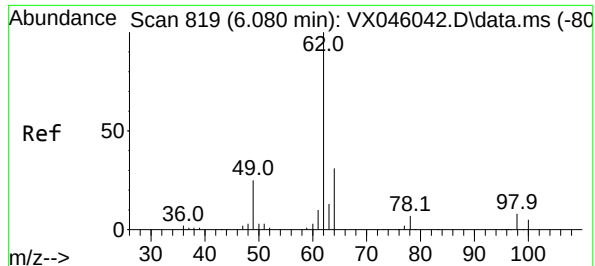
Tgt Ion: 78 Resp: 3567

Ion Ratio Lower Upper

78 100

77 28.7 19.0 28.4#





#42

1,2-Dichloroethane

Concen: 1.056 ug/l

RT: 6.111 min Scan# 819

Delta R.T. 0.013 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

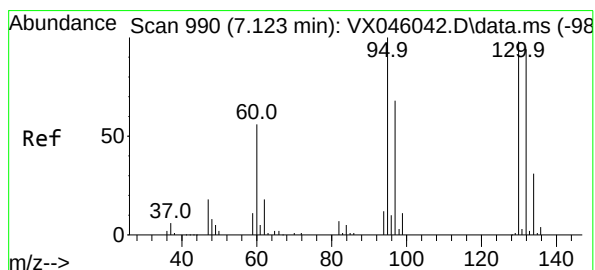
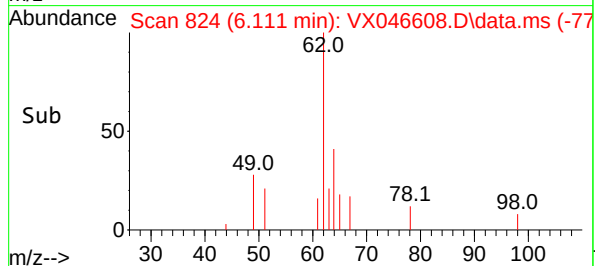
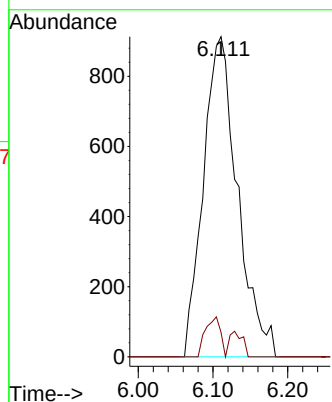
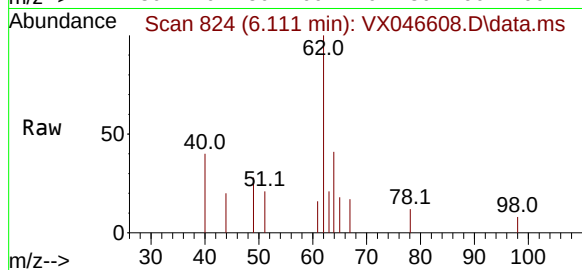
MW-18B-56-060425

Tgt Ion: 62 Resp: 2891

Ion Ratio Lower Upper

62 100

98 5.5 0.0 15.2



#44

Trichloroethene

Concen: 113.812 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.006 min

Lab File: VX046608.D

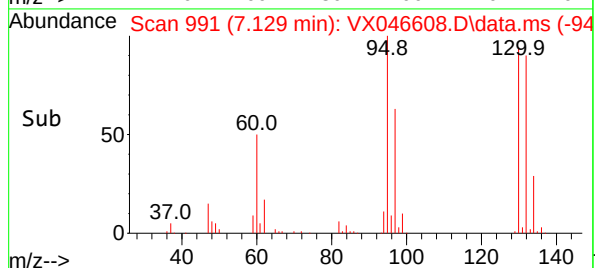
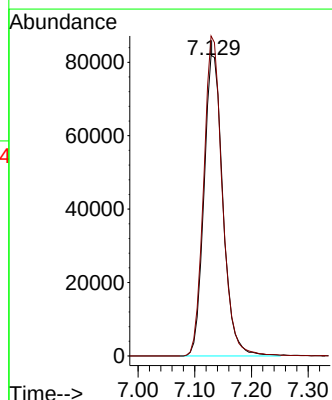
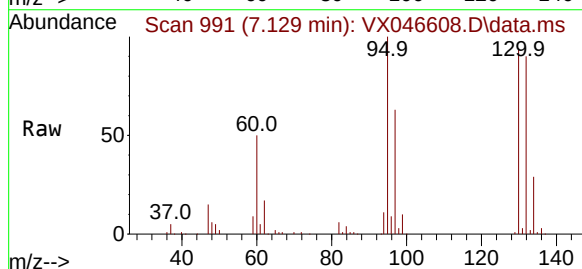
Acq: 10 Jun 2025 17:07

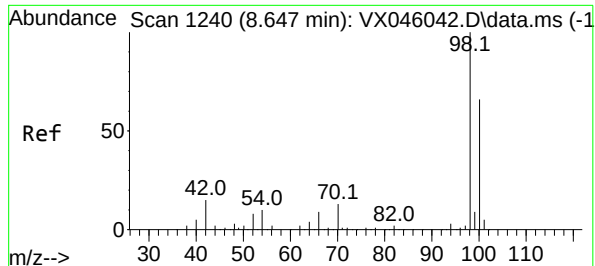
Tgt Ion:130 Resp: 190281

Ion Ratio Lower Upper

130 100

95 106.5 0.0 204.2





#50

Toluene-d8

Concen: 54.080 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

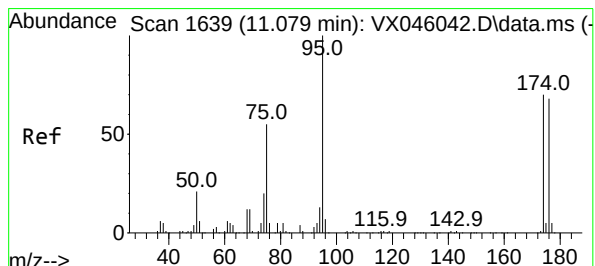
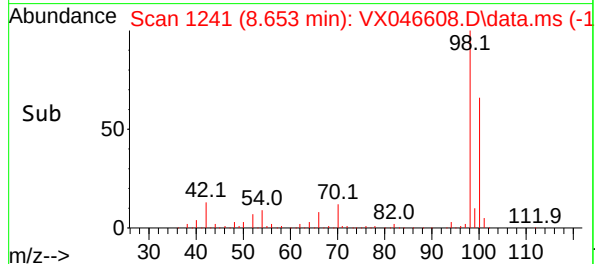
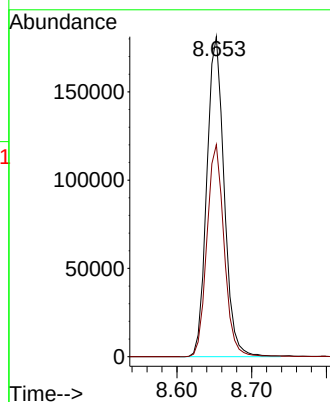
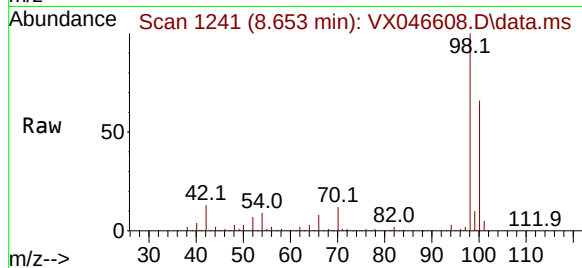
MW-18B-56-060425

Tgt Ion: 98 Resp: 291744

Ion Ratio Lower Upper

98 100

100 66.0 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 55.917 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

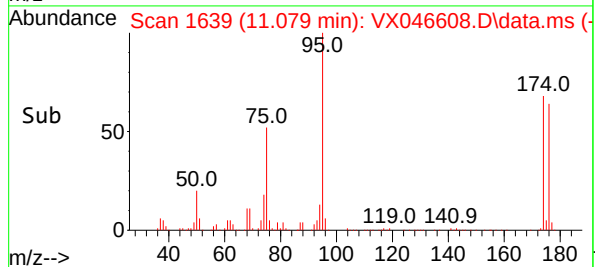
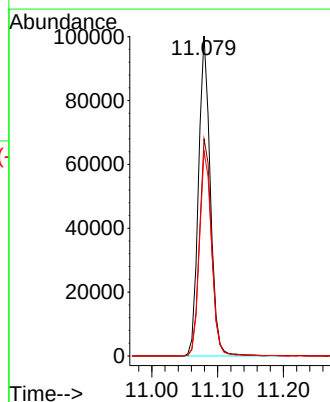
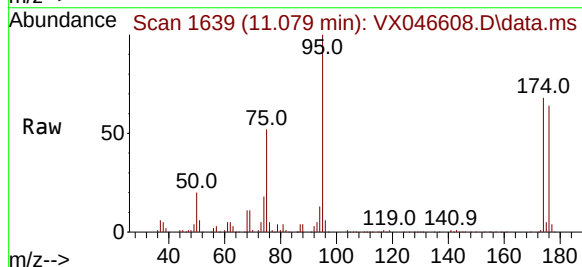
Tgt Ion: 95 Resp: 124809

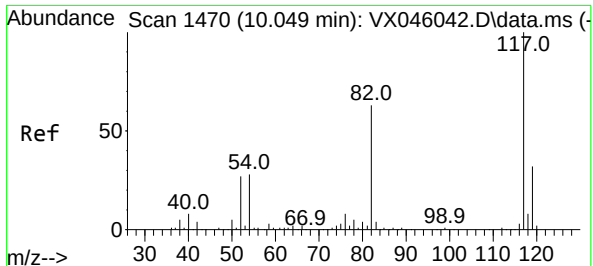
Ion Ratio Lower Upper

95 100

174 69.3 0.0 135.8

176 66.2 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425

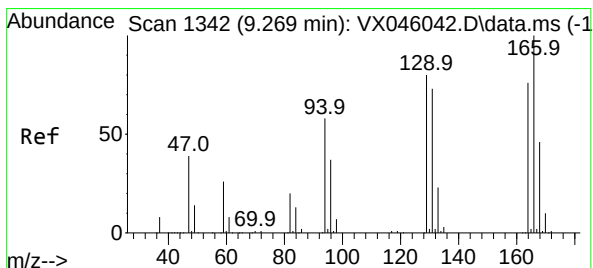
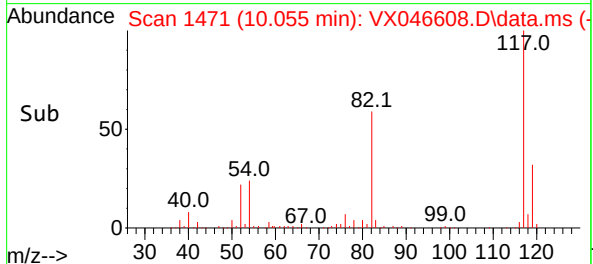
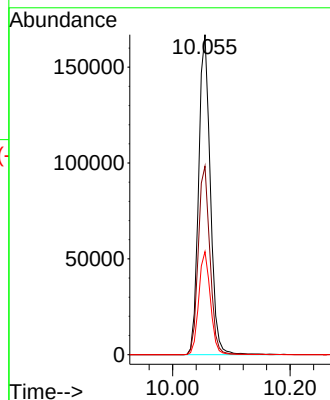
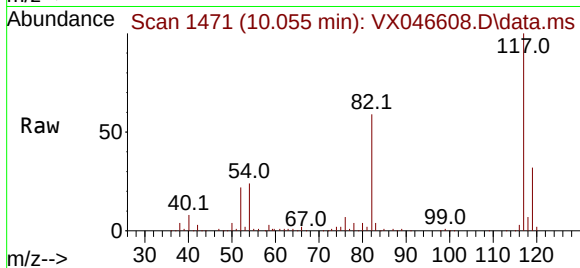
Tgt Ion:117 Resp: 229917

Ion Ratio Lower Upper

117 100

82 58.9 50.6 76.0

119 32.2 25.8 38.6



#64

Tetrachloroethene

Concen: 0.661 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX046608.D

Acq: 10 Jun 2025 17:07

Tgt Ion:164 Resp: 1016

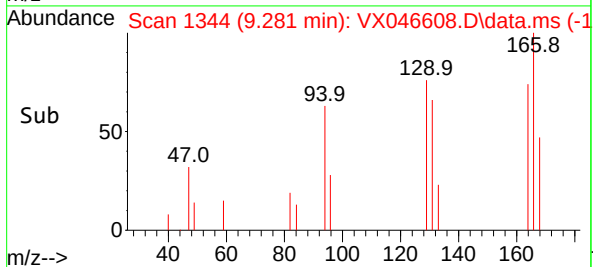
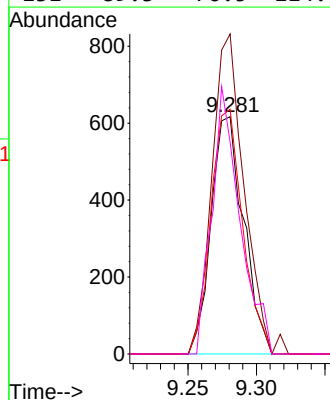
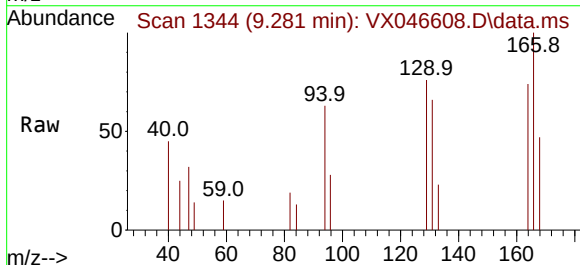
Ion Ratio Lower Upper

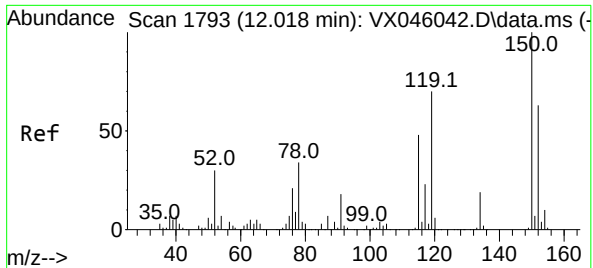
164 100

166 134.8 105.0 157.6

129 103.1 83.5 125.3

131 89.3 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX046608.D

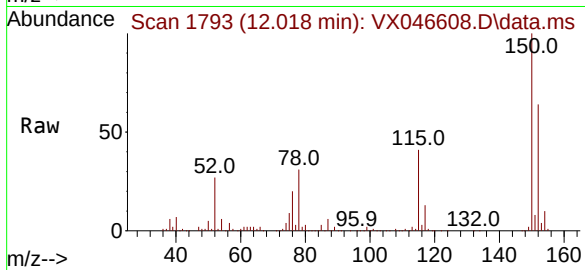
Acq: 10 Jun 2025 17:07

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425



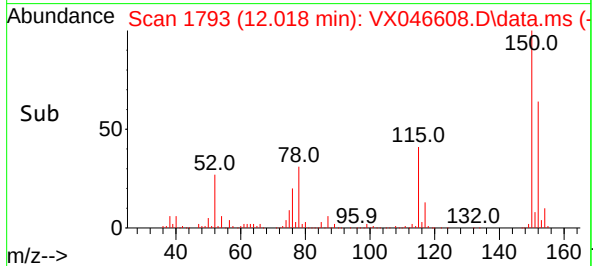
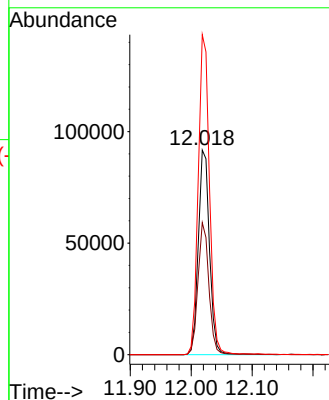
Tgt Ion:152 Resp: 116937

Ion Ratio Lower Upper

152 100

115 63.2 46.9 140.7

150 156.3 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046596.D
 Acq On : 10 Jun 2025 12:51
 Operator : JC/MD
 Sample : Q2233-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-060425DL

Quant Time: Jun 11 01:46:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

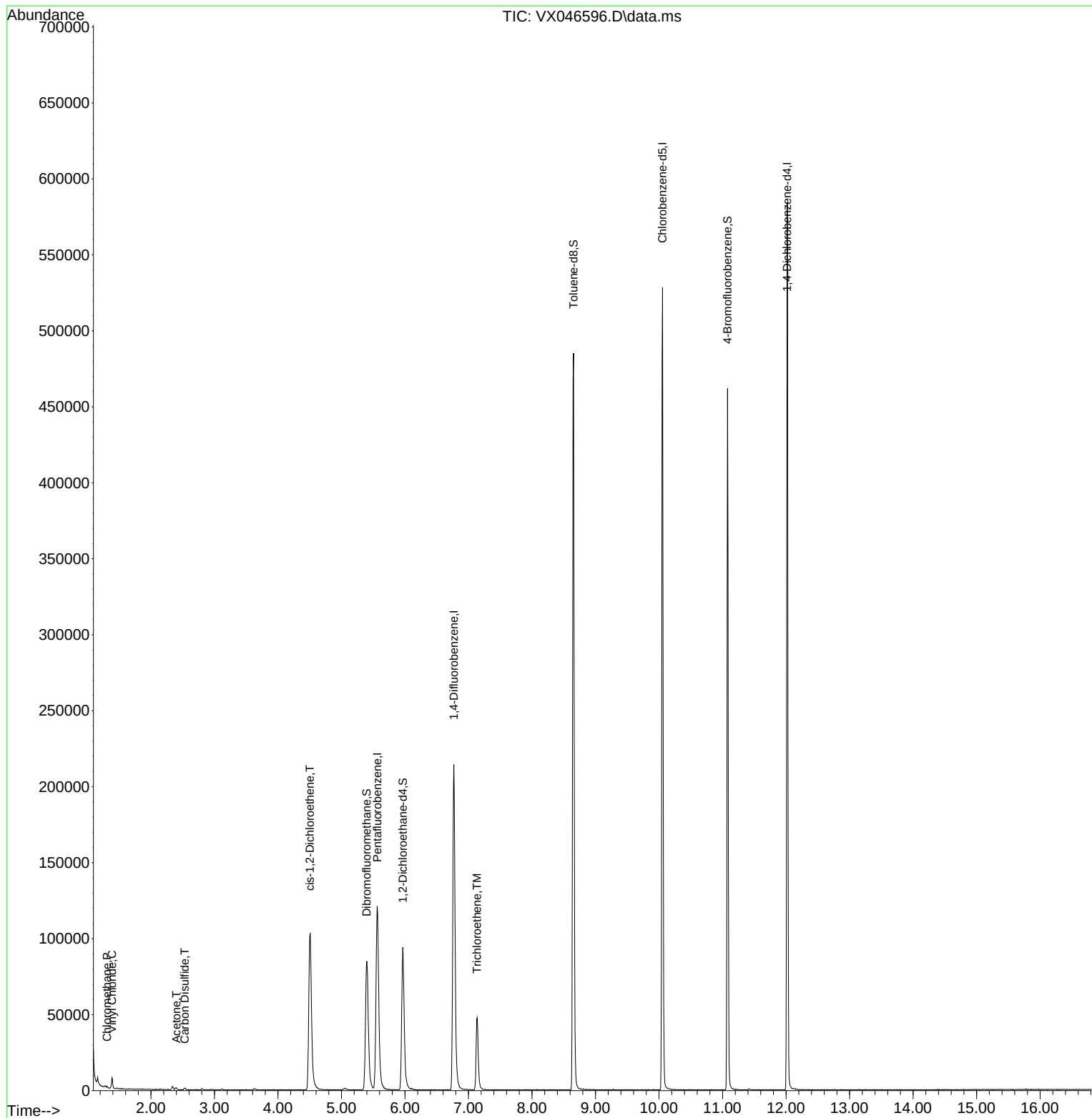
Internal Standards						
1) Pentafluorobenzene	5.562	168	113282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	219800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	112325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97673	48.463	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.920%
35) Dibromofluoromethane	5.397	113	80813	49.996	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.000%
50) Toluene-d8	8.653	98	290211	54.458	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.920%
62) 4-Bromofluorobenzene	11.079	95	121540	55.123	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.240%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	651	0.455	ug/l	99
4) Vinyl Chloride	1.386	62	4768	3.341	ug/l	97
16) Acetone	2.398	43	1914	6.968	ug/l	98
17) Carbon Disulfide	2.532	76	1157	0.606	ug/l #	84
27) cis-1,2-Dichloroethene	4.501	96	70421	40.192	ug/l	86
44) Trichloroethene	7.135	130	19008	11.509	ug/l	96

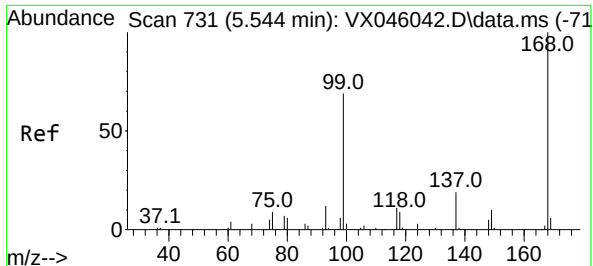
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046596.D
Acq On : 10 Jun 2025 12:51
Operator : JC/MD
Sample : Q2233-01DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425DL

Quant Time: Jun 11 01:46:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

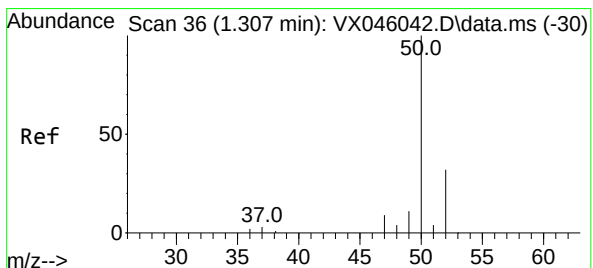
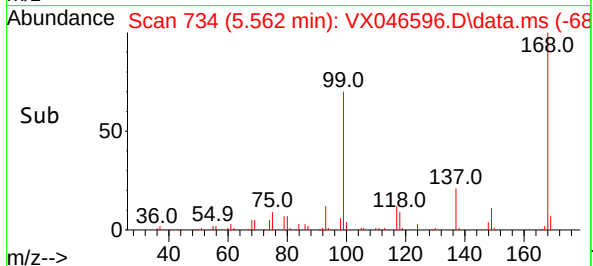
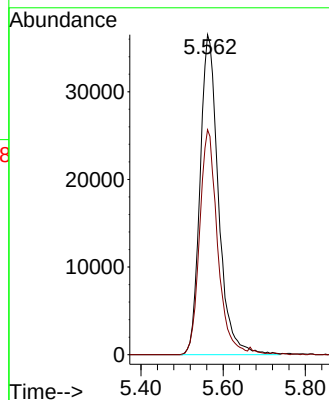
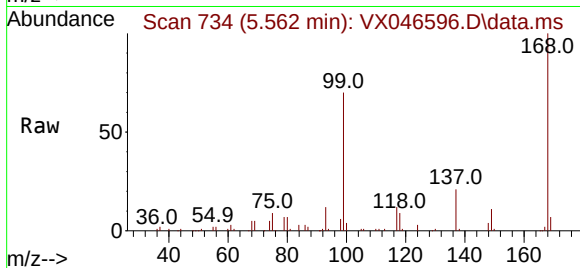
MW-18B-56-060425DL

Tgt Ion:168 Resp: 113282

Ion Ratio Lower Upper

168 100

99 70.3 54.9 82.3



#3

Chloromethane

Concen: 0.455 ug/l

RT: 1.307 min Scan# 36

Delta R.T. -0.000 min

Lab File: VX046596.D

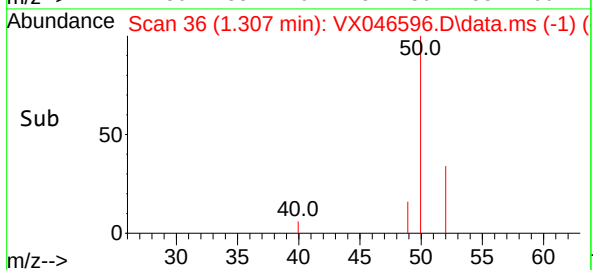
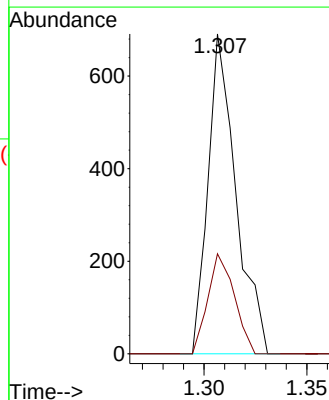
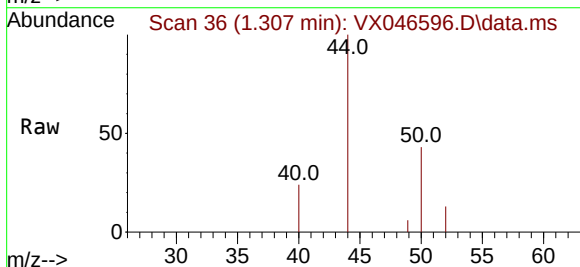
Acq: 10 Jun 2025 12:51

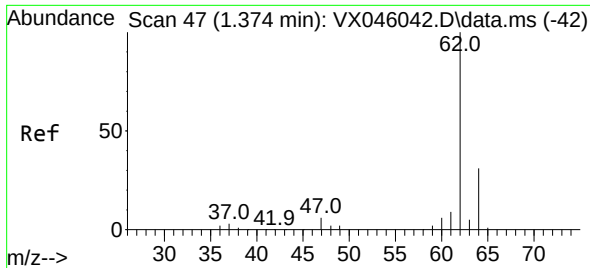
Tgt Ion: 50 Resp: 651

Ion Ratio Lower Upper

50 100

52 31.3 25.4 38.2



#4
Vinyl Chloride

Concen: 3.341 ug/l

RT: 1.386 min Scan# 49

Delta R.T. -0.000 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

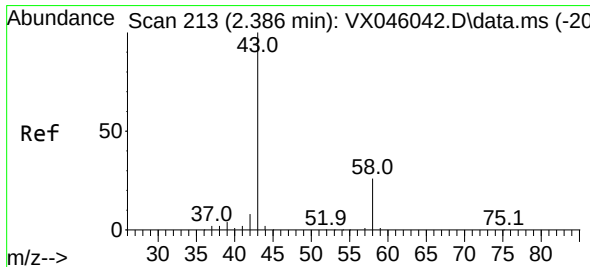
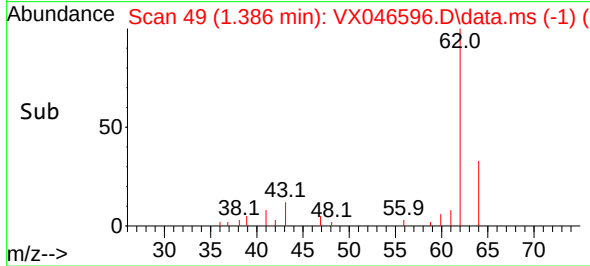
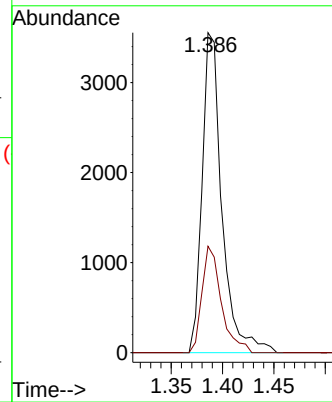
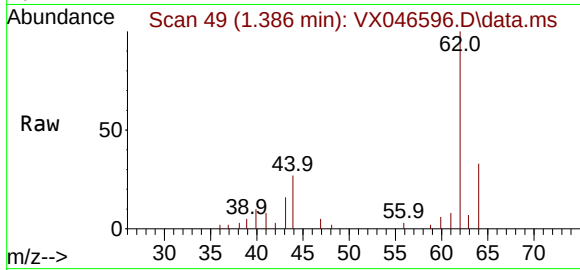
MW-18B-56-060425DL

Tgt Ion: 62 Resp: 4768

Ion Ratio Lower Upper

62 100

64 33.2 25.2 37.8



#16

Acetone

Concen: 6.968 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.006 min

Lab File: VX046596.D

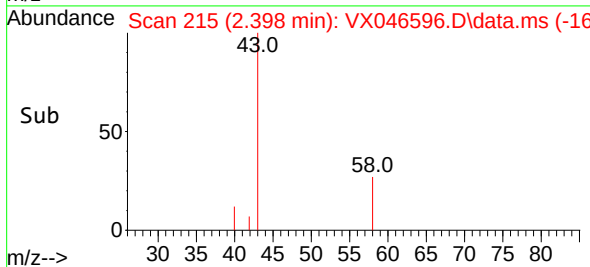
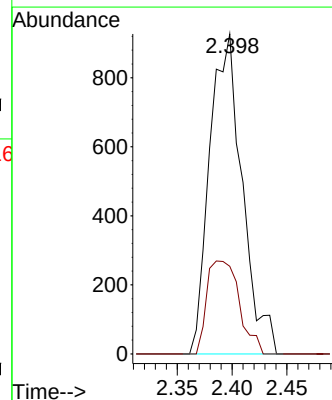
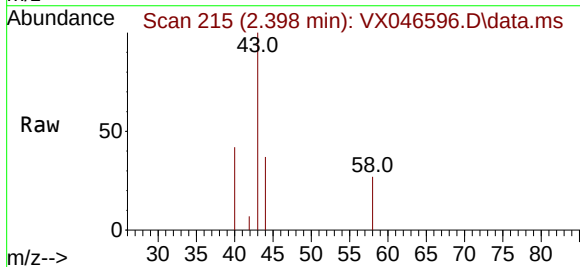
Acq: 10 Jun 2025 12:51

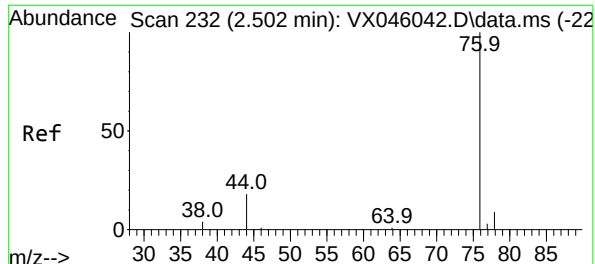
Tgt Ion: 43 Resp: 1914

Ion Ratio Lower Upper

43 100

58 27.4 21.2 31.8





#17

Carbon Disulfide

Concen: 0.606 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

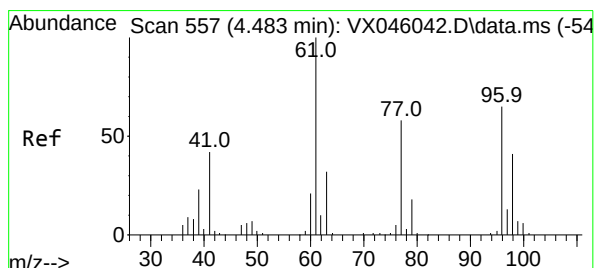
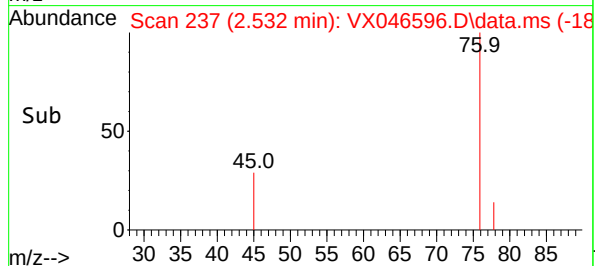
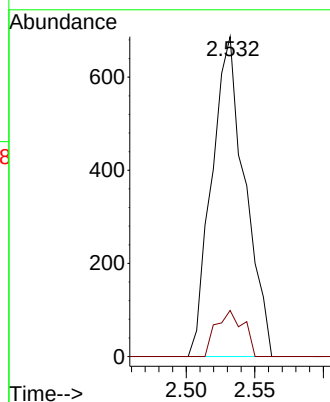
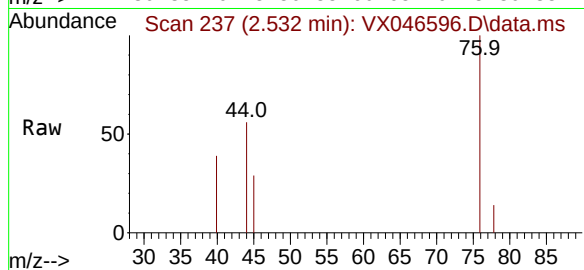
MW-18B-56-060425DL

Tgt Ion: 76 Resp: 1157

Ion Ratio Lower Upper

76 100

78 14.4 7.0 10.4#



#27

cis-1,2-Dichloroethene

Concen: 40.192 ug/l

RT: 4.501 min Scan# 560

Delta R.T. -0.006 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

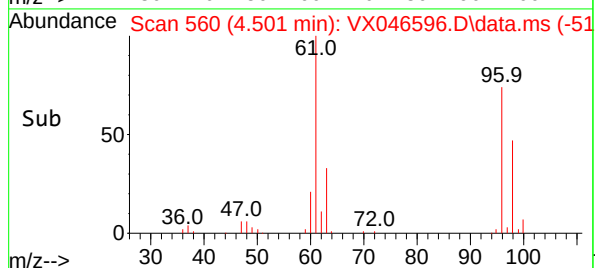
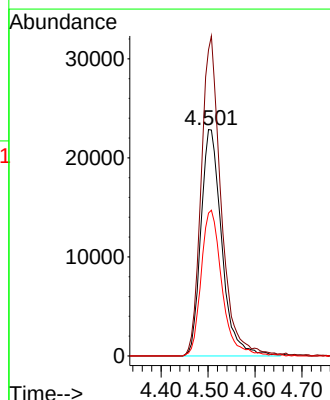
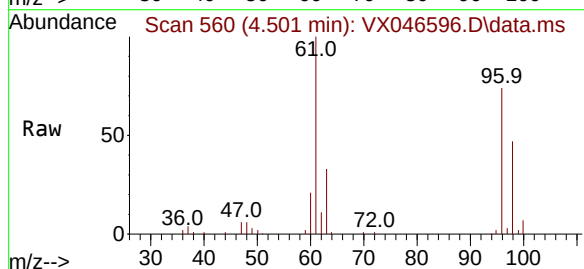
Tgt Ion: 96 Resp: 70421

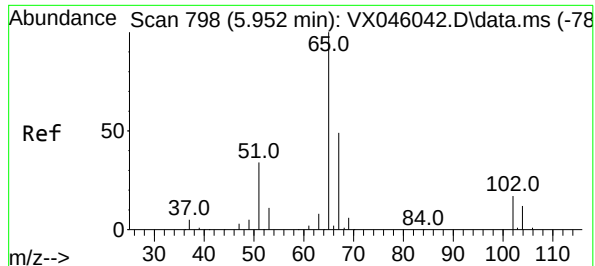
Ion Ratio Lower Upper

96 100

61 135.0 0.0 322.8

98 64.1 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 48.463 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.006 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

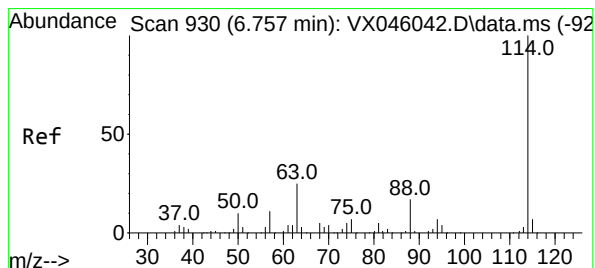
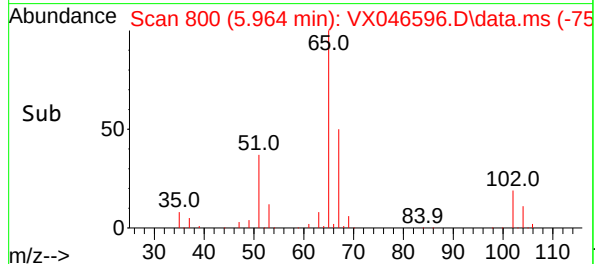
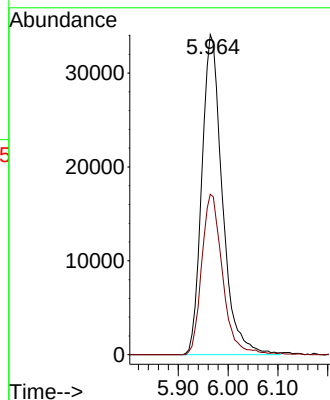
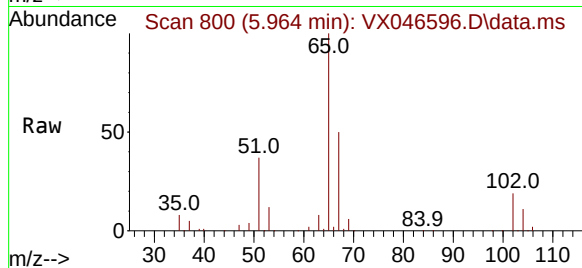
MW-18B-56-060425DL

Tgt Ion: 65 Resp: 97673

Ion Ratio Lower Upper

65 100

67 50.8 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.006 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

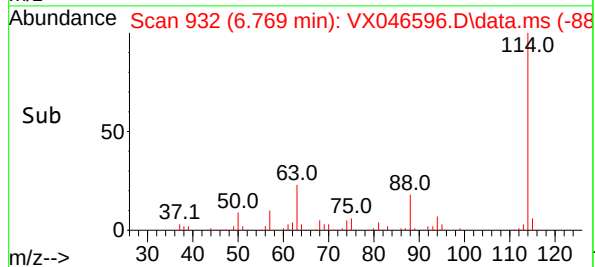
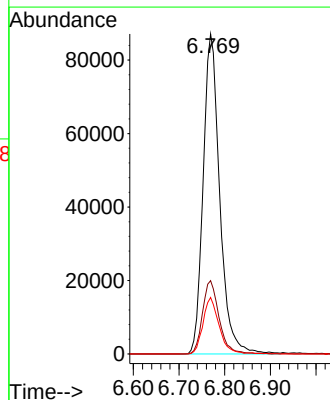
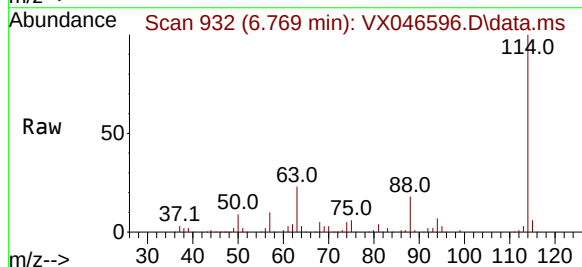
Tgt Ion: 114 Resp: 219800

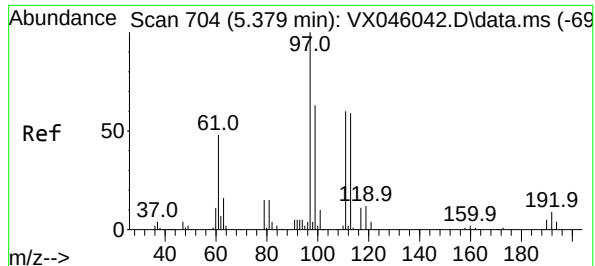
Ion Ratio Lower Upper

114 100

63 22.9 0.0 49.2

88 17.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 49.996 ug/l

RT: 5.397 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX046596.D

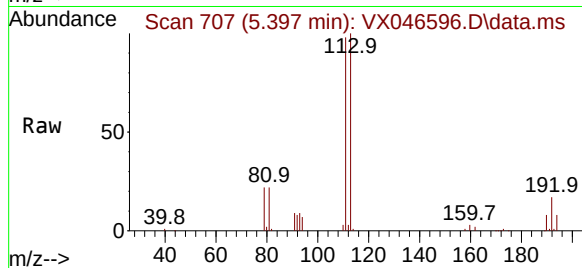
Acq: 10 Jun 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425DL



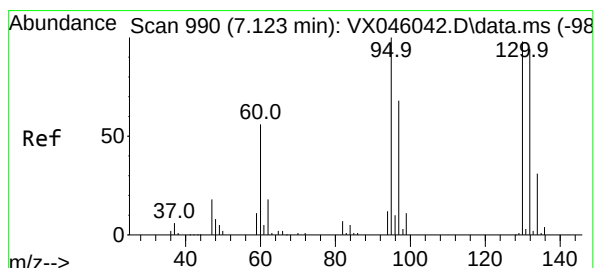
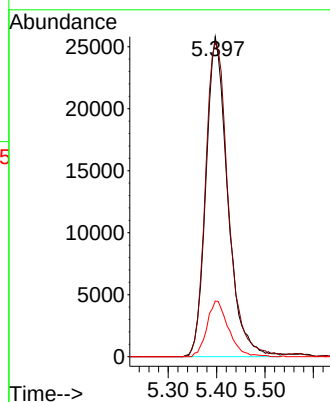
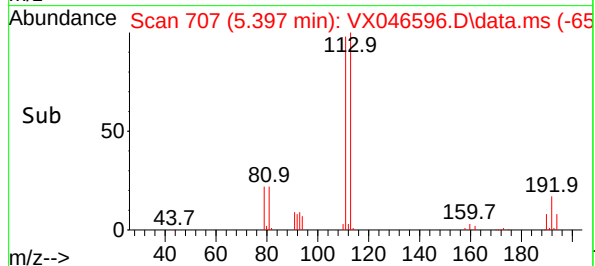
Tgt Ion:113 Resp: 80813

Ion Ratio Lower Upper

113 100

111 103.1 83.1 124.7

192 17.2 13.3 19.9



#44

Trichloroethene

Concen: 11.509 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.000 min

Lab File: VX046596.D

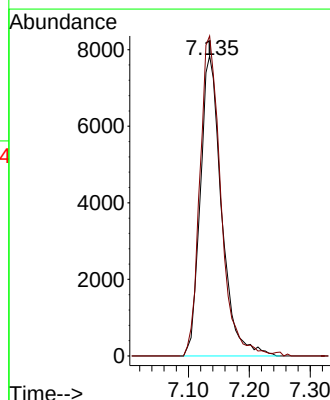
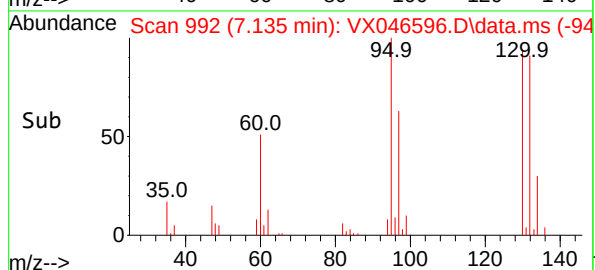
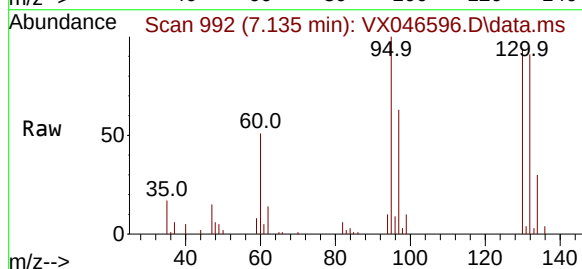
Acq: 10 Jun 2025 12:51

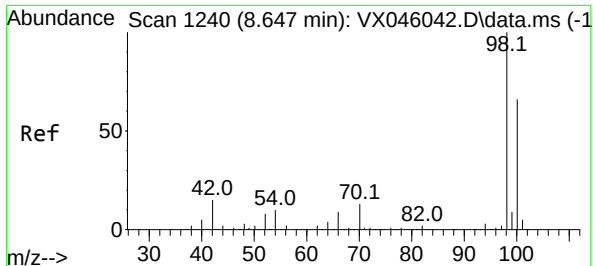
Tgt Ion:130 Resp: 19008

Ion Ratio Lower Upper

130 100

95 106.6 0.0 204.2





#50

Toluene-d8

Concen: 54.458 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

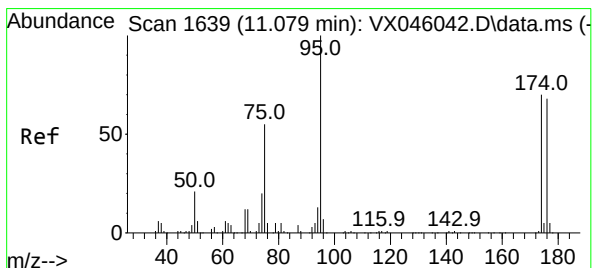
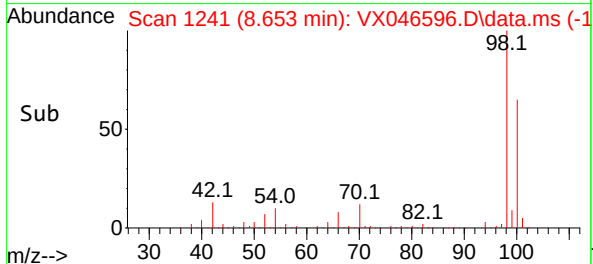
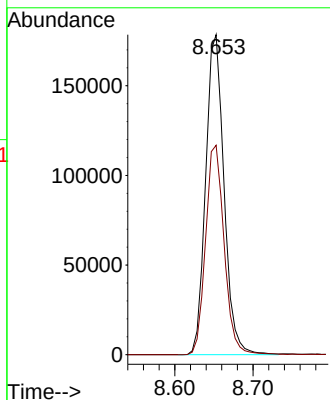
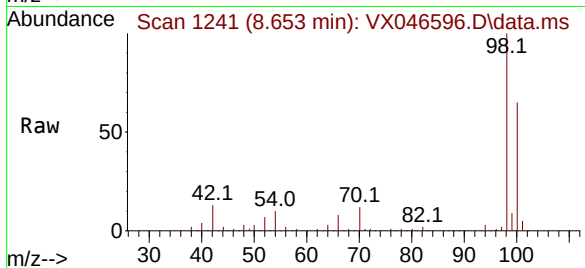
MW-18B-56-060425DL

Tgt Ion: 98 Resp: 290211

Ion Ratio Lower Upper

98 100

100 66.2 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 55.123 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

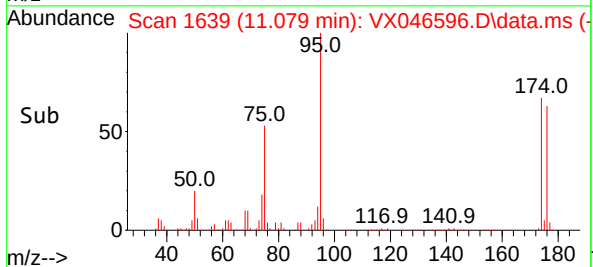
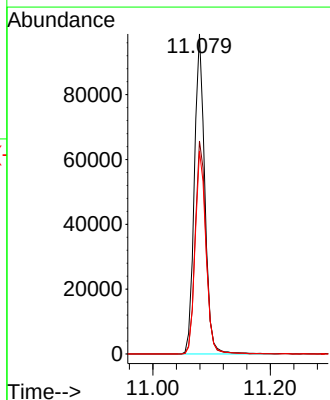
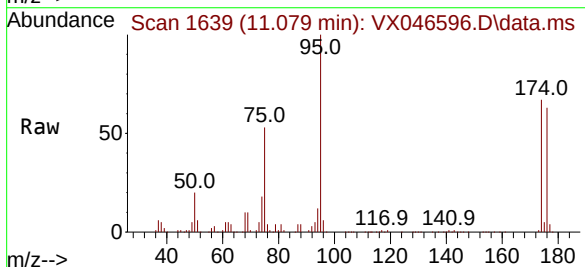
Tgt Ion: 95 Resp: 121540

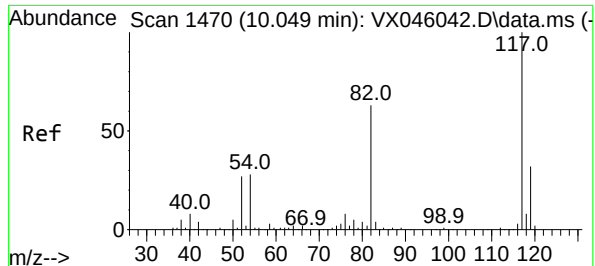
Ion Ratio Lower Upper

95 100

174 69.2 0.0 135.8

176 65.6 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425DL

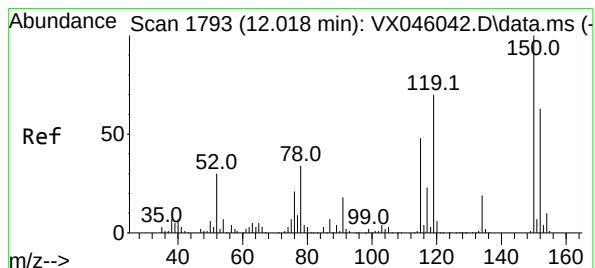
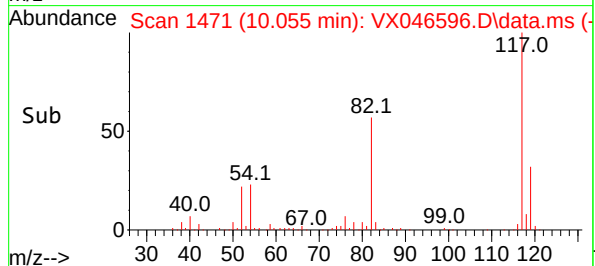
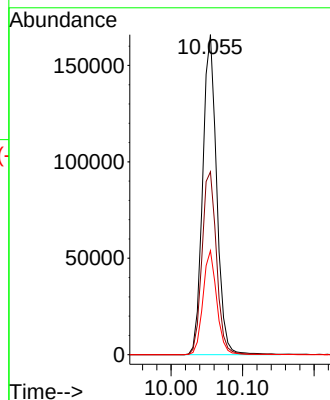
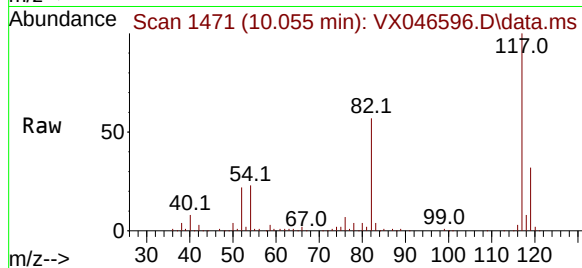
Tgt Ion:117 Resp: 225853

Ion Ratio Lower Upper

117 100

82 57.2 50.6 76.0

119 32.5 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX046596.D

Acq: 10 Jun 2025 12:51

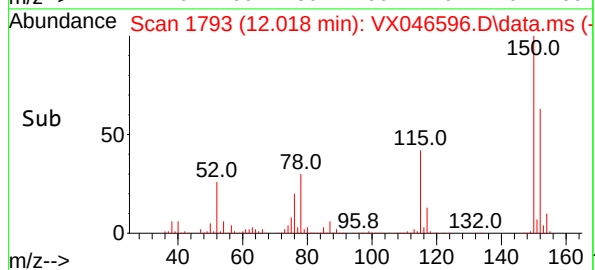
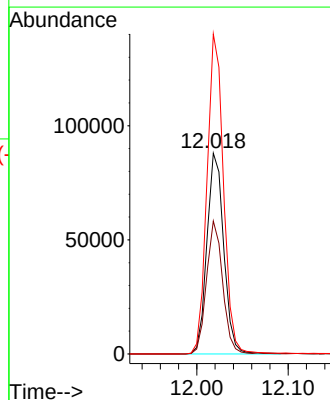
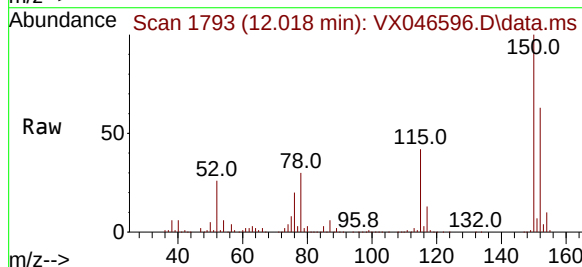
Tgt Ion:152 Resp: 112325

Ion Ratio Lower Upper

152 100

115 63.5 46.9 140.7

150 156.1 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046609.D
 Acq On : 10 Jun 2025 17:28
 Operator : JC/MD
 Sample : Q2233-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-060425-FD

Quant Time: Jun 11 01:52:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

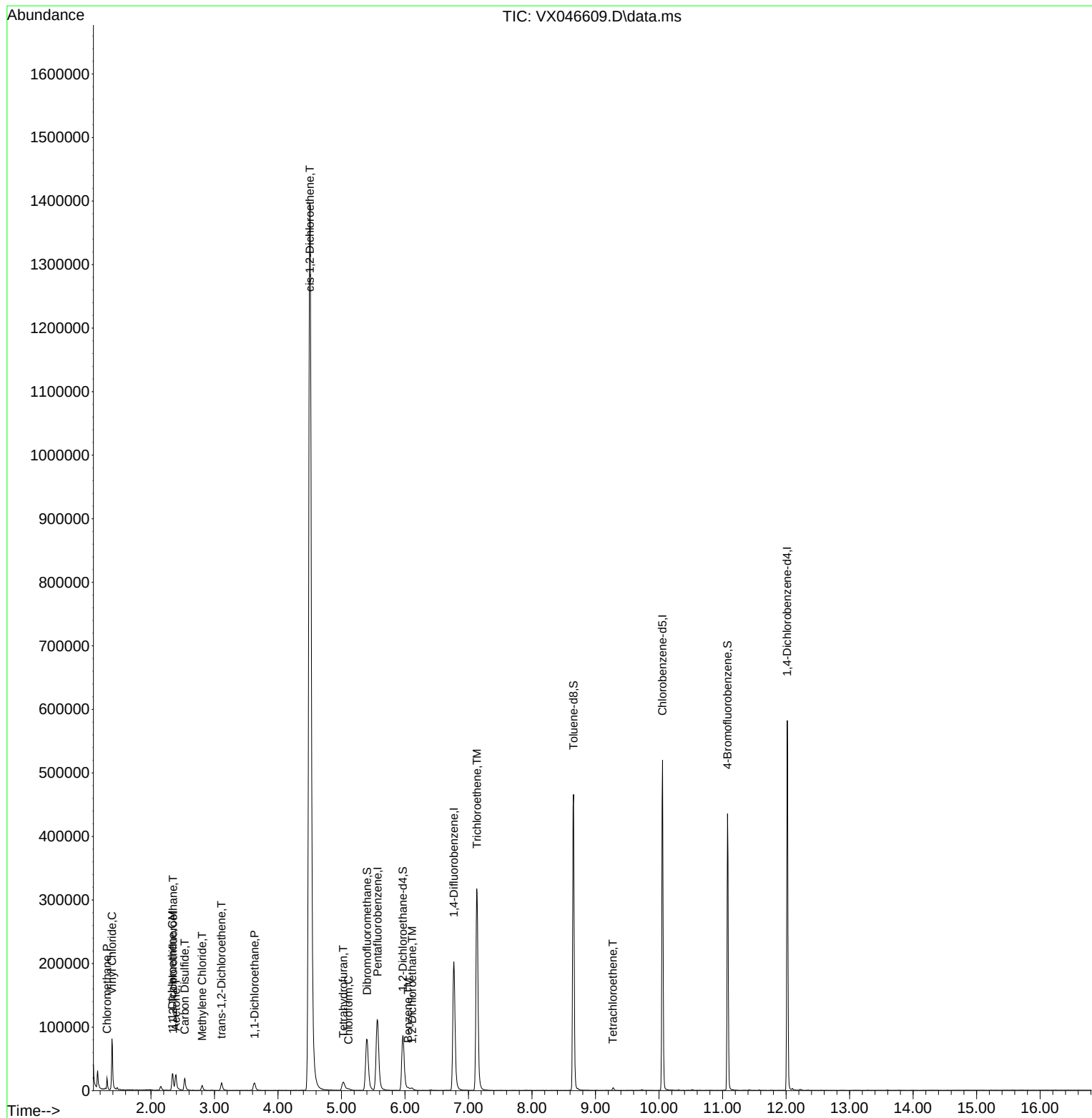
Internal Standards						
1) Pentafluorobenzene	5.568	168	107308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	209766	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	110562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	93697	49.079	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.160%
35) Dibromofluoromethane	5.403	113	76718	49.733	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.460%
50) Toluene-d8	8.653	98	279093	54.877	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.760%
62) 4-Bromofluorobenzene	11.079	95	118825	56.470	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.940%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	11098	8.184	ug/l	96
4) Vinyl Chloride	1.386	62	56899	42.093	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	2375	1.685	ug/l	98
12) 1,1-Dichloroethene	2.337	96	8125	6.378	ug/l	98
16) Acetone	2.392	43	30875	45.021	ug/l	94
17) Carbon Disulfide	2.532	76	22966	8.658	ug/l	99
20) Methylene Chloride	2.806	84	3437	2.244	ug/l	95
21) trans-1,2-Dichloroethene	3.111	96	5287	3.921	ug/l	89
24) 1,1-Dichloroethane	3.629	63	15235	5.541	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	940302	566.537	ug/l	86
29) Tetrahydrofuran	5.025	42	14607	21.763	ug/l	97
30) Chloroform	5.111	83	1874	0.651	ug/l	93
40) Benzene	6.050	78	3398	0.548	ug/l #	90
42) 1,2-Dichloroethane	6.111	62	4384	1.699	ug/l	99
44) Trichloroethene	7.135	130	125428	79.579	ug/l	97
64) Tetrachloroethene	9.275	164	855	0.586	ug/l #	81

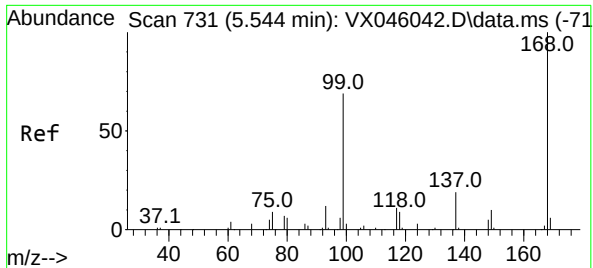
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046609.D
Acq On : 10 Jun 2025 17:28
Operator : JC/MD
Sample : Q2233-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FD

Quant Time: Jun 11 01:52:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.568 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

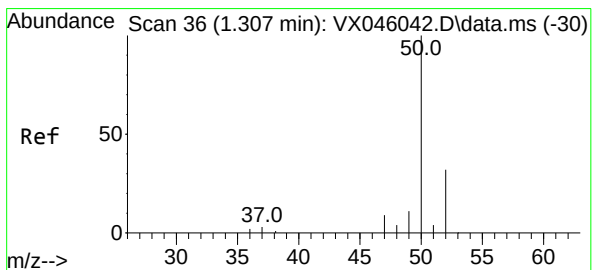
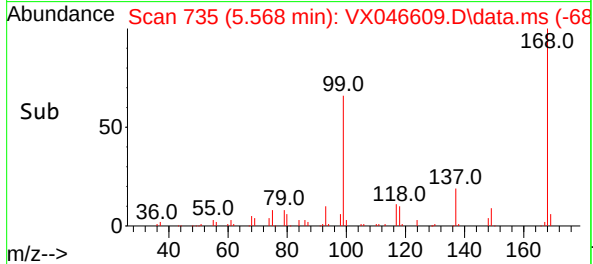
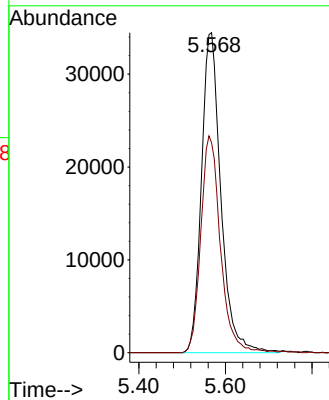
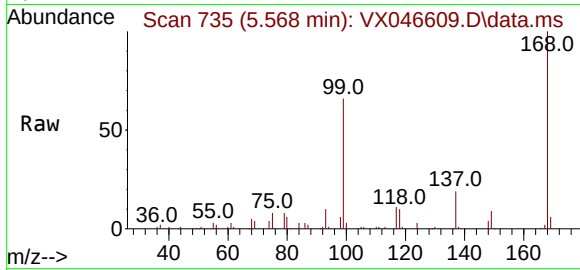
MW-18B-56-060425-FD

Tgt Ion:168 Resp: 107308

Ion Ratio Lower Upper

168 100

99 65.6 54.9 82.3



#3

Chloromethane

Concen: 8.184 ug/l

RT: 1.307 min Scan# 36

Delta R.T. -0.000 min

Lab File: VX046609.D

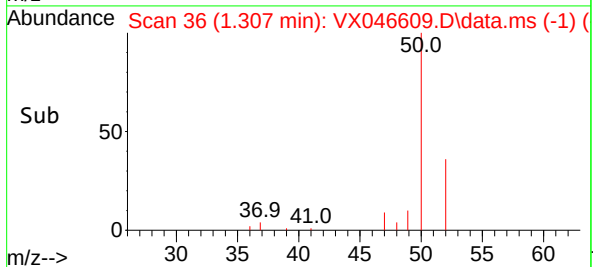
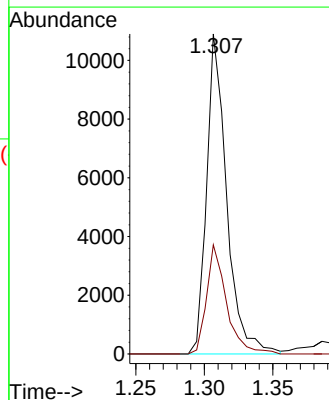
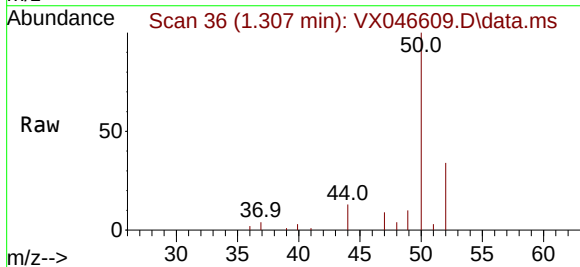
Acq: 10 Jun 2025 17:28

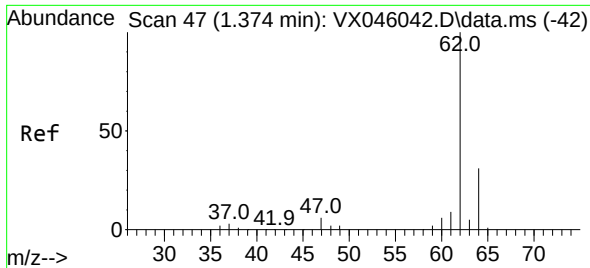
Tgt Ion: 50 Resp: 11098

Ion Ratio Lower Upper

50 100

52 34.1 25.4 38.2

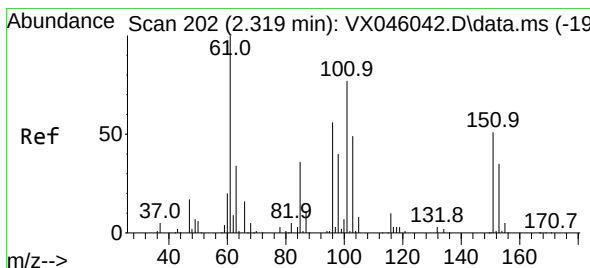
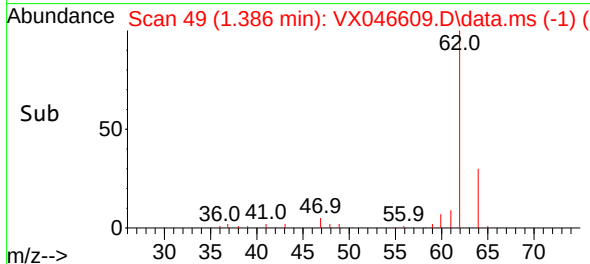
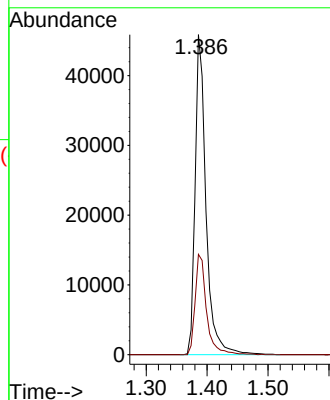
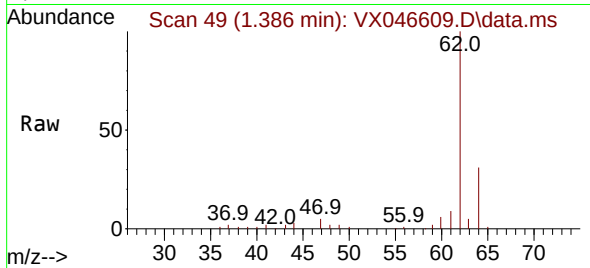




#4
 Vinyl Chloride
 Concen: 42.093 ug/l
 RT: 1.386 min Scan# 49
 Delta R.T. -0.000 min
 Lab File: VX046609.D
 Acq: 10 Jun 2025 17:28

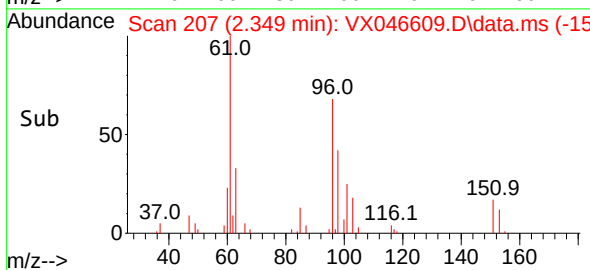
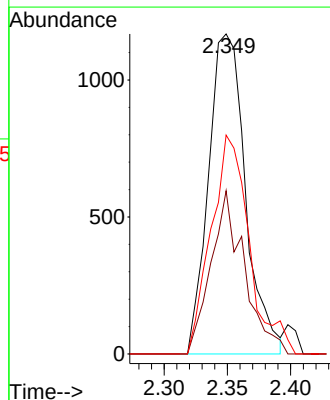
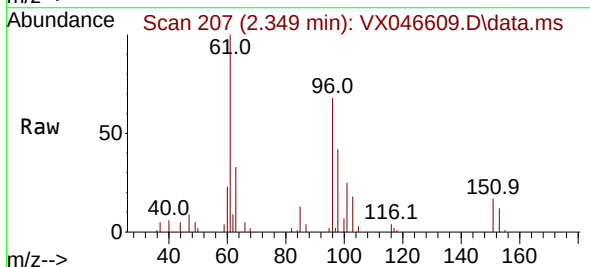
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-060425-FD

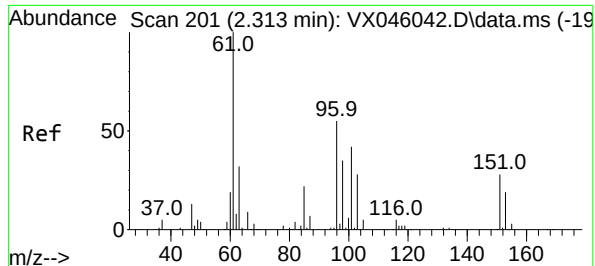
Tgt Ion: 62 Resp: 56899
 Ion Ratio Lower Upper
 62 100
 64 31.3 25.2 37.8



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.685 ug/l
 RT: 2.349 min Scan# 207
 Delta R.T. 0.000 min
 Lab File: VX046609.D
 Acq: 10 Jun 2025 17:28

Tgt Ion: 101 Resp: 2375
 Ion Ratio Lower Upper
 101 100
 85 46.2 38.6 58.0
 151 70.6 55.2 82.8





#12

1,1-Dichloroethene

Concen: 6.378 ug/l

RT: 2.337 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425-FD

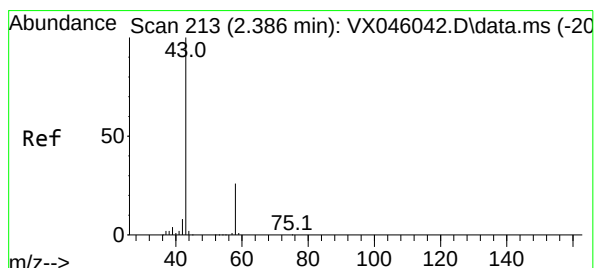
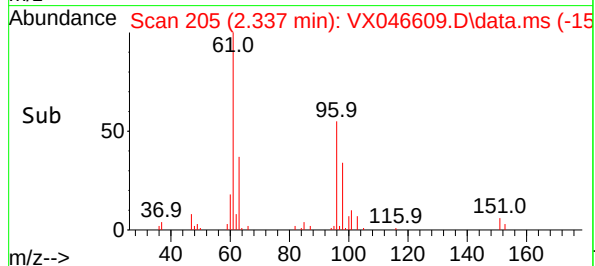
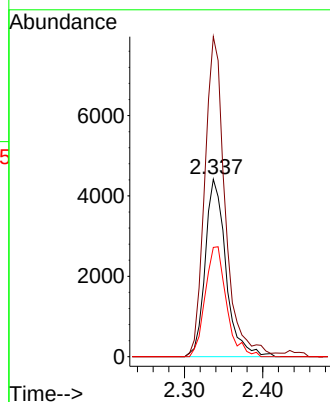
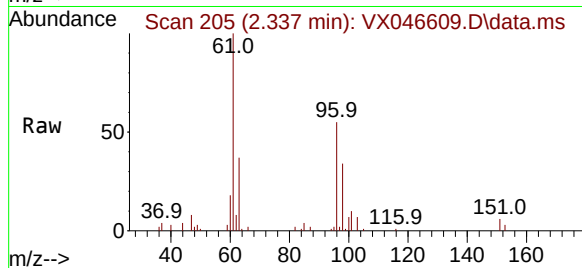
Tgt Ion: 96 Resp: 8125

Ion Ratio Lower Upper

96 100

61 180.4 146.2 219.2

98 61.6 51.0 76.6



#16

Acetone

Concen: 45.021 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX046609.D

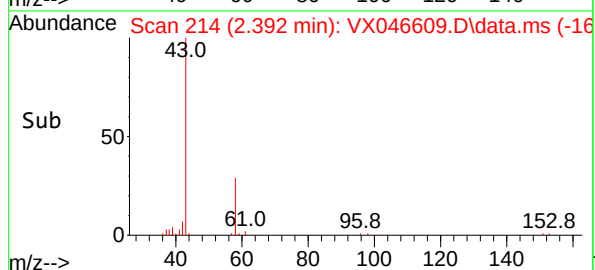
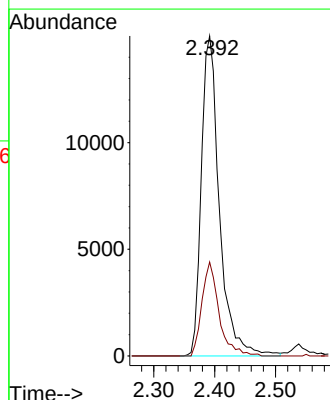
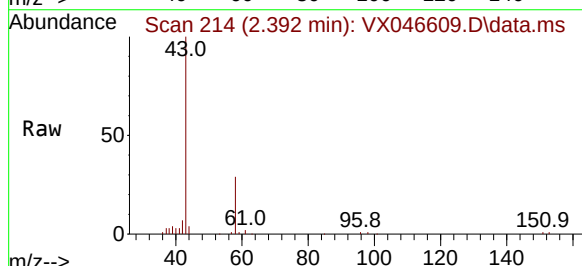
Acq: 10 Jun 2025 17:28

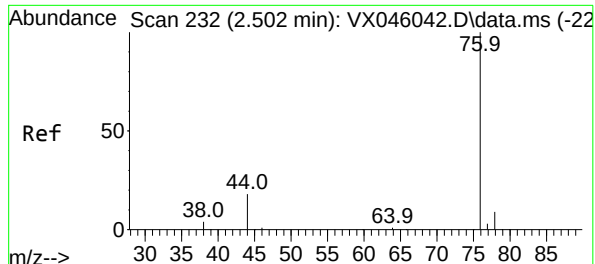
Tgt Ion: 43 Resp: 30875

Ion Ratio Lower Upper

43 100

58 29.4 21.2 31.8





#17

Carbon Disulfide

Concen: 8.658 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

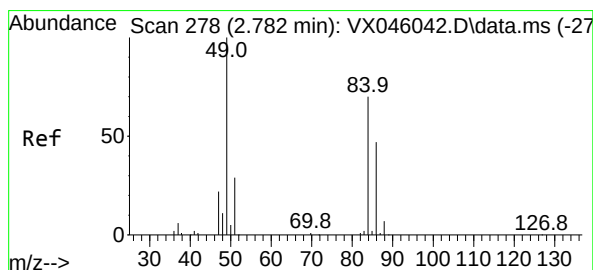
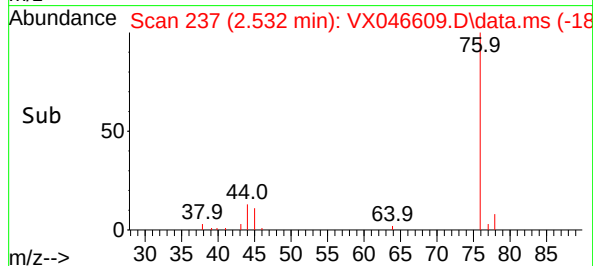
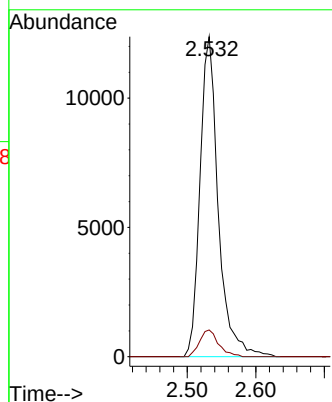
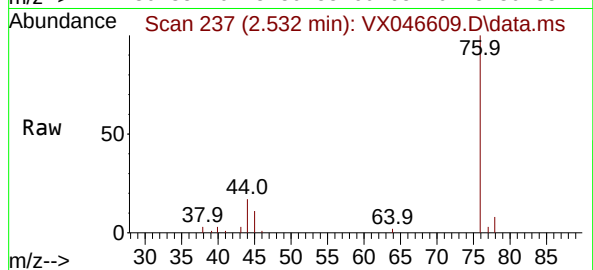
MW-18B-56-060425-FD

Tgt Ion: 76 Resp: 22966

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.4



#20

Methylene Chloride

Concen: 2.244 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Tgt Ion: 84 Resp: 3437

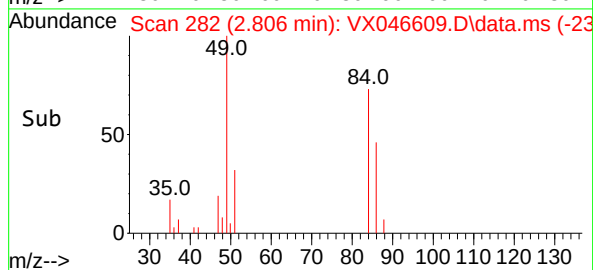
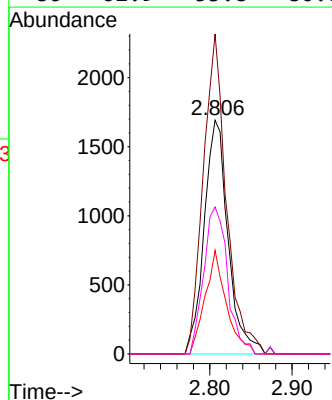
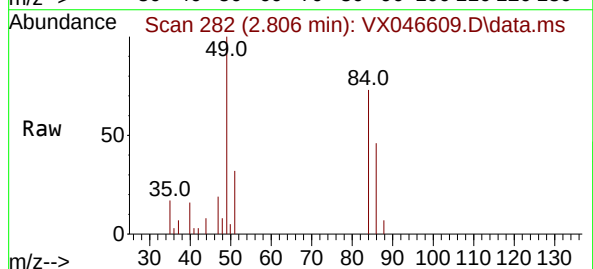
Ion Ratio Lower Upper

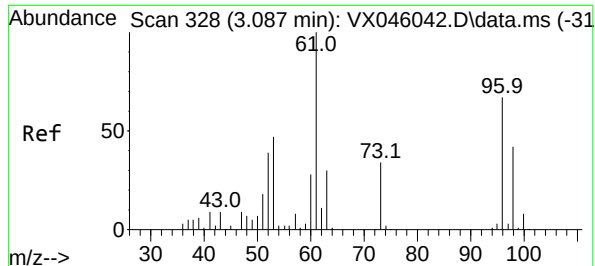
84 100

49 136.9 113.9 170.9

51 44.3 33.5 50.3

86 62.9 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 3.921 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425-FD

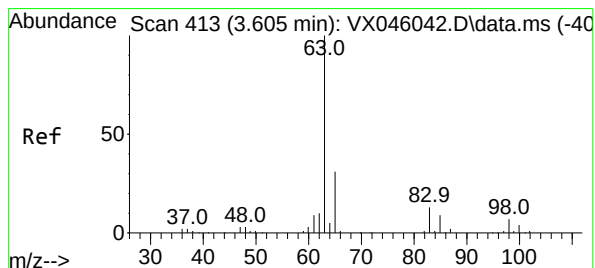
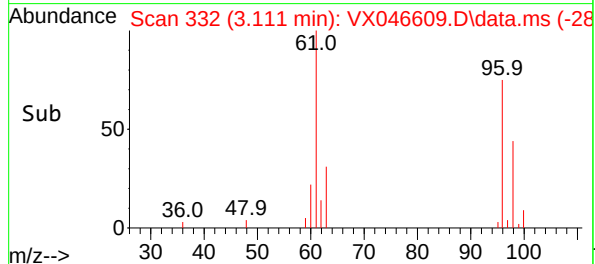
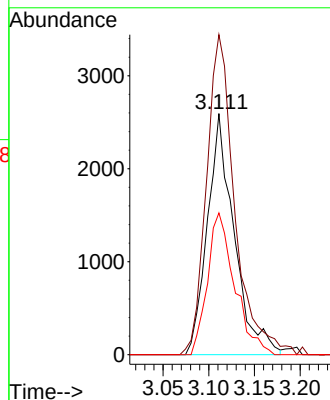
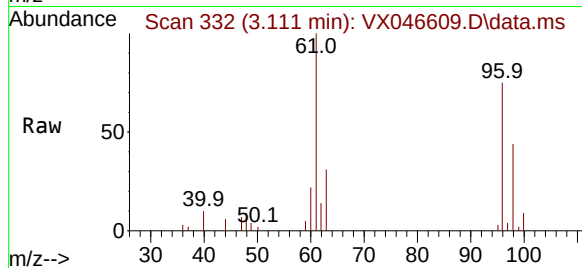
Tgt Ion: 96 Resp: 5287

Ion Ratio Lower Upper

96 100

61 132.7 119.5 179.3

98 58.8 50.0 75.0



#24

1,1-Dichloroethane

Concen: 5.541 ug/l

RT: 3.629 min Scan# 417

Delta R.T. 0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

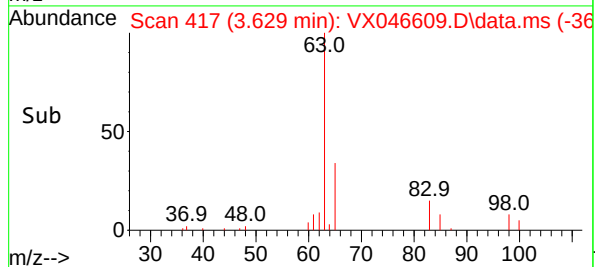
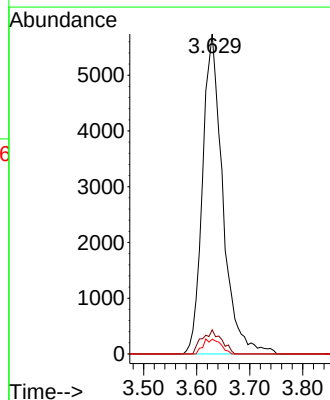
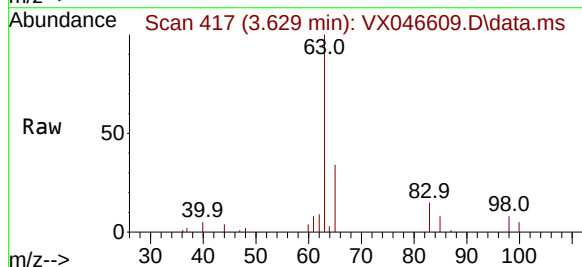
Tgt Ion: 63 Resp: 15235

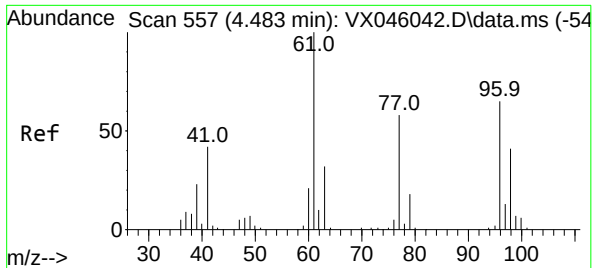
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.8

100 4.6 2.1 6.3





#27

cis-1,2-Dichloroethene

Concen: 566.537 ug/l

RT: 4.501 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425-FD

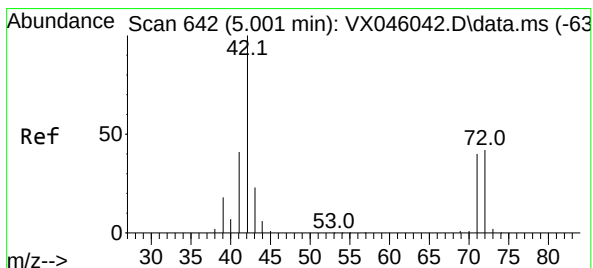
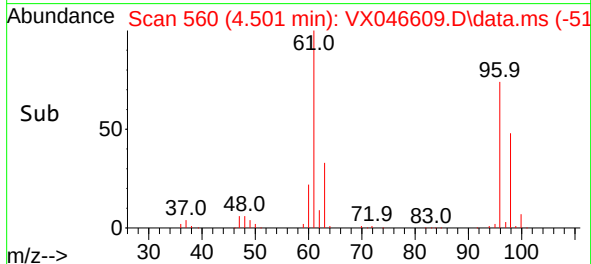
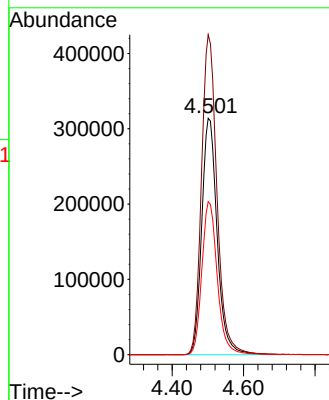
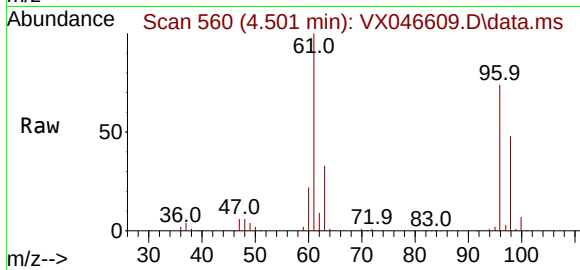
Tgt Ion: 96 Resp: 940302

Ion Ratio Lower Upper

96 100

61 135.7 0.0 322.8

98 64.7 0.0 129.0



#29

Tetrahydrofuran

Concen: 21.763 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.006 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

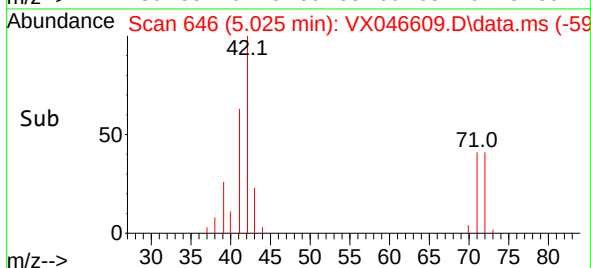
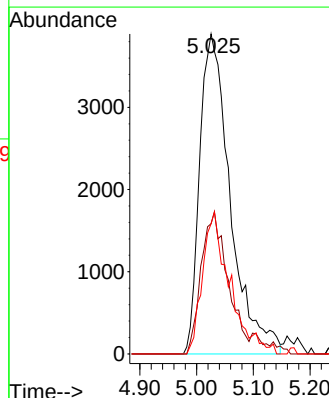
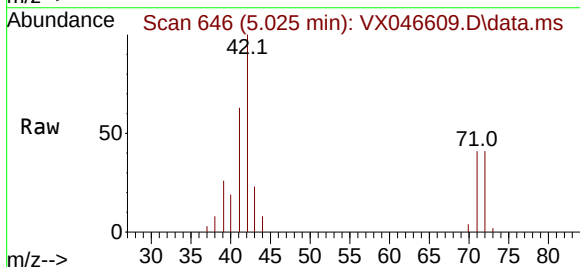
Tgt Ion: 42 Resp: 14607

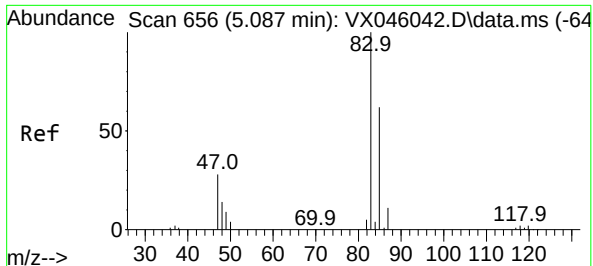
Ion Ratio Lower Upper

42 100

72 38.6 33.7 50.5

71 39.5 31.4 47.2





#30

Chloroform

Concen: 0.651 ug/l

RT: 5.111 min Scan# 60

Delta R.T. -0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

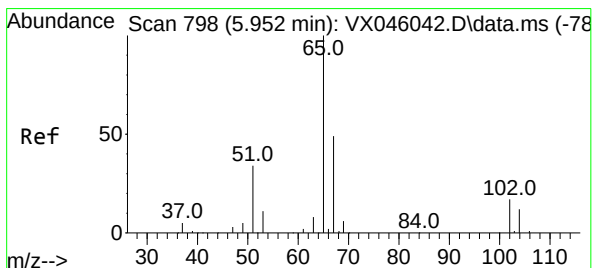
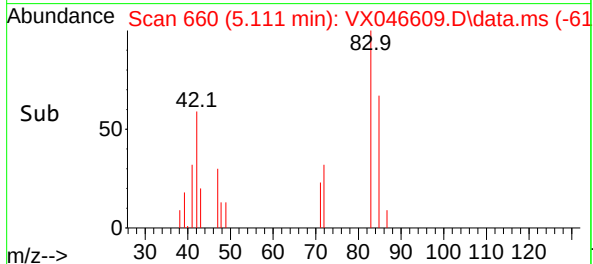
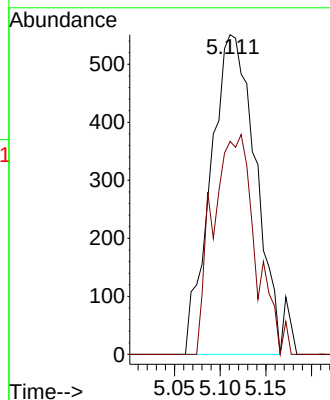
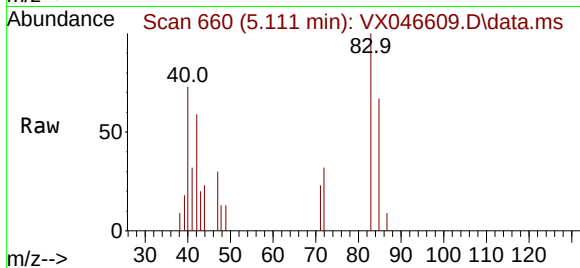
MW-18B-56-060425-FD

Tgt Ion: 83 Resp: 1874

Ion Ratio Lower Upper

83 100

85 66.6 49.3 73.9



#33

1,2-Dichloroethane-d4

Concen: 49.079 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.006 min

Lab File: VX046609.D

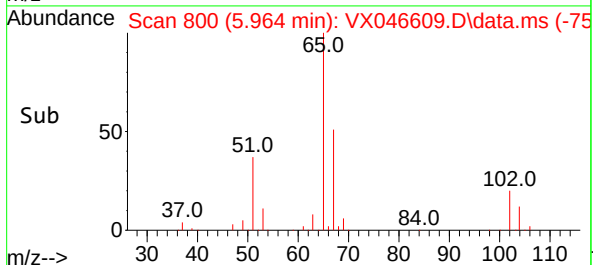
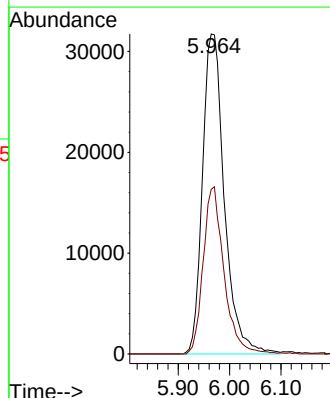
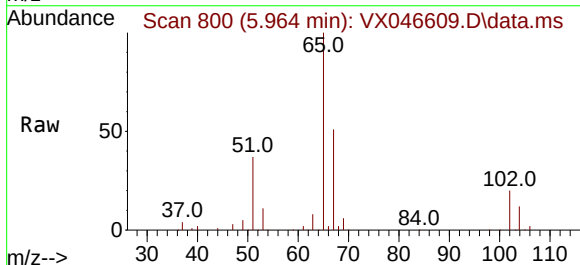
Acq: 10 Jun 2025 17:28

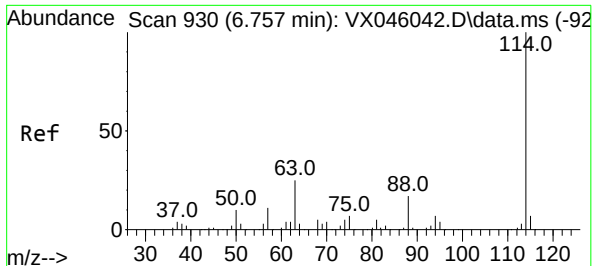
Tgt Ion: 65 Resp: 93697

Ion Ratio Lower Upper

65 100

67 49.8 0.0 99.0

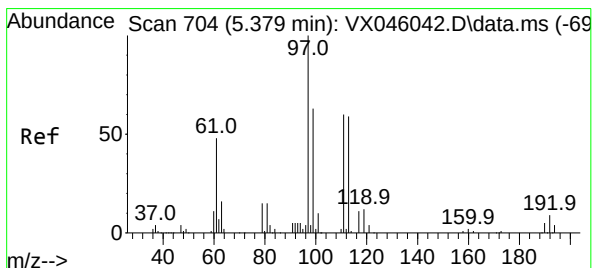
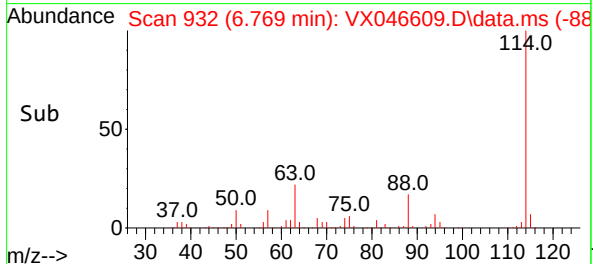
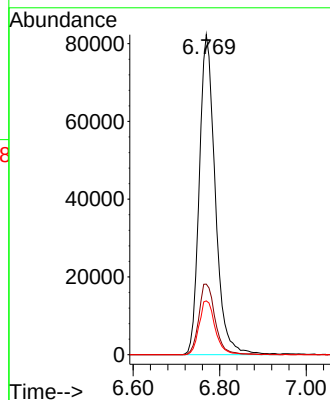
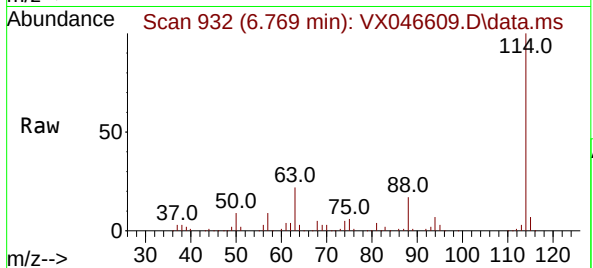




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

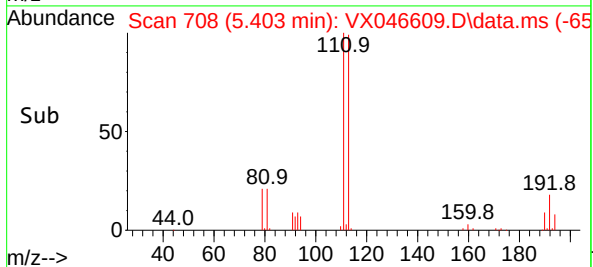
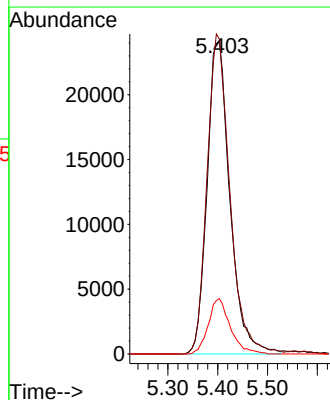
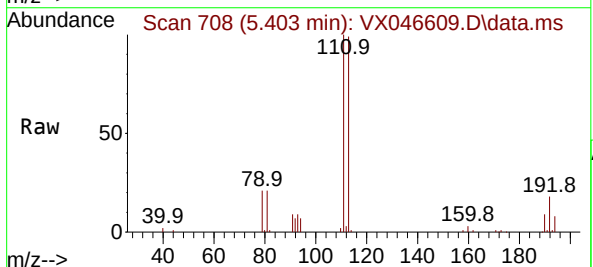
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FD

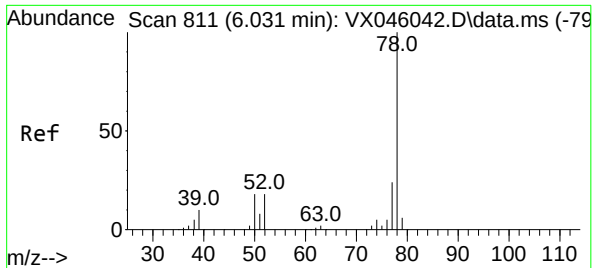
Tgt Ion:114 Resp: 209766
Ion Ratio Lower Upper
114 100
63 22.0 0.0 49.2
88 16.8 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.733 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

Tgt Ion:113 Resp: 76718
Ion Ratio Lower Upper
113 100
111 102.0 83.1 124.7
192 17.1 13.3 19.9

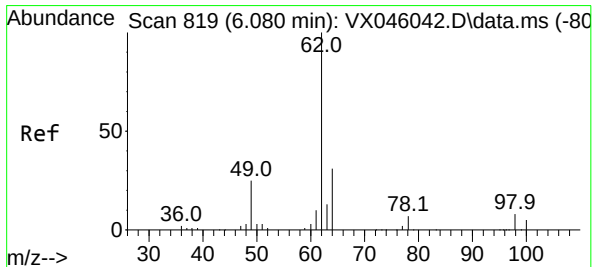
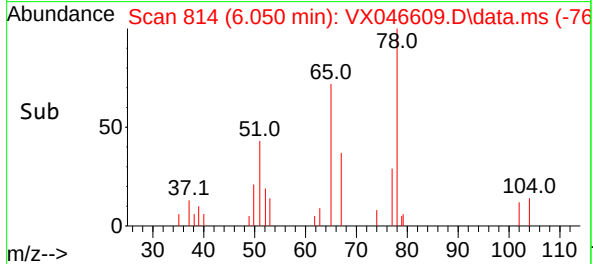
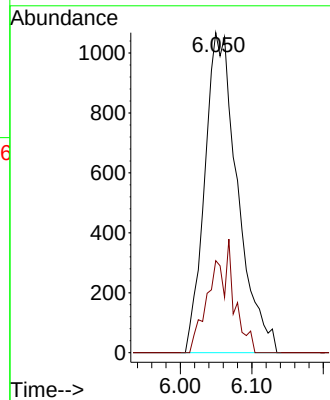
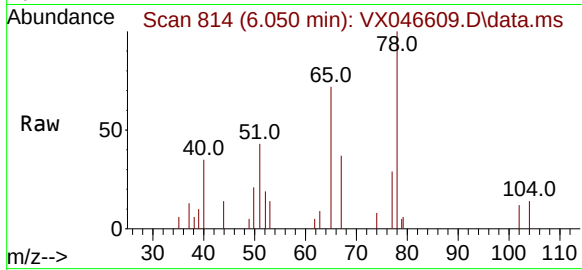




#40
Benzene
Concen: 0.548 ug/l
RT: 6.050 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

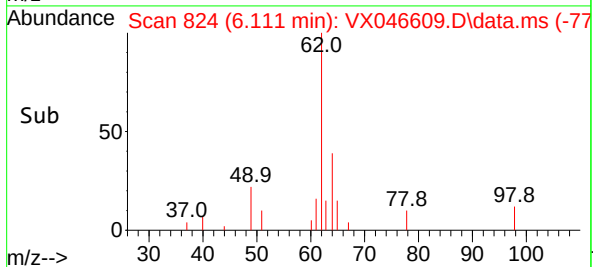
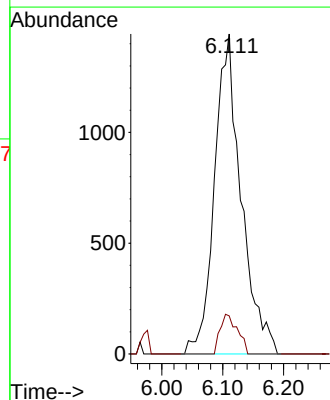
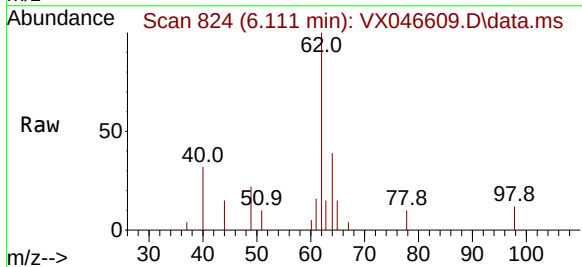
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FD

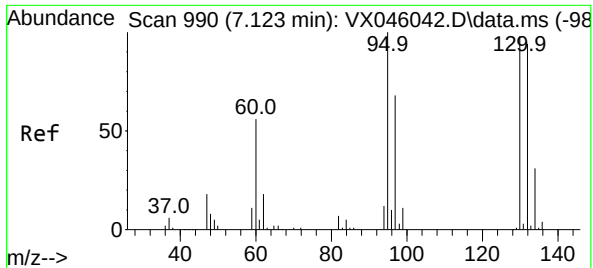
Tgt Ion: 78 Resp: 3398
Ion Ratio Lower Upper
78 100
77 28.7 19.0 28.4#



#42
1,2-Dichloroethane
Concen: 1.699 ug/l
RT: 6.111 min Scan# 824
Delta R.T. 0.013 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

Tgt Ion: 62 Resp: 4384
Ion Ratio Lower Upper
62 100
98 8.1 0.0 15.2

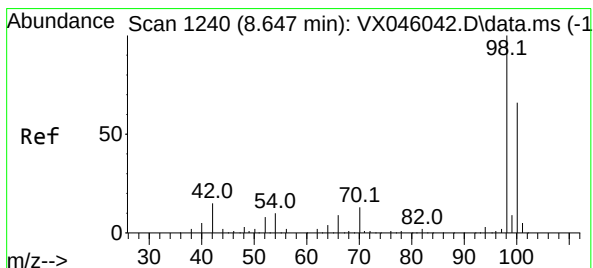
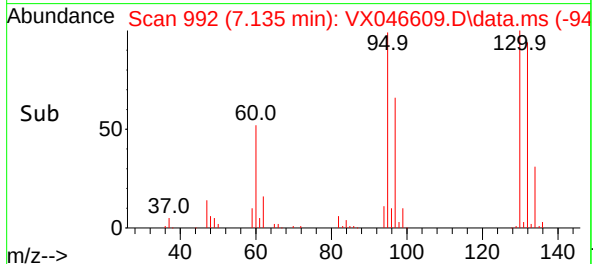
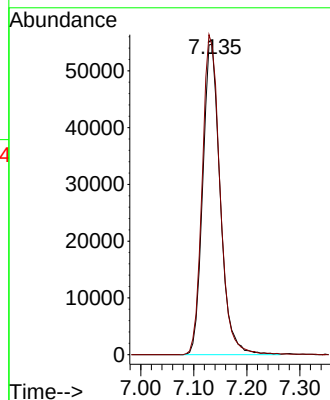
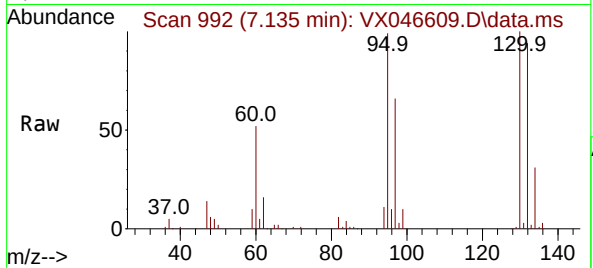




#44
Trichloroethene
Concen: 79.579 ug/l
RT: 7.135 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

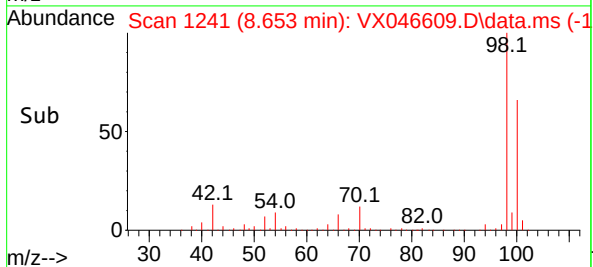
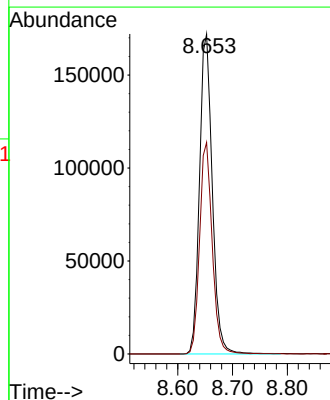
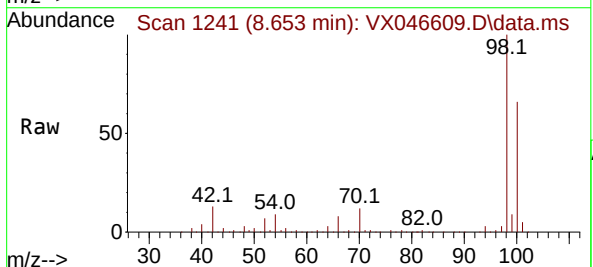
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FD

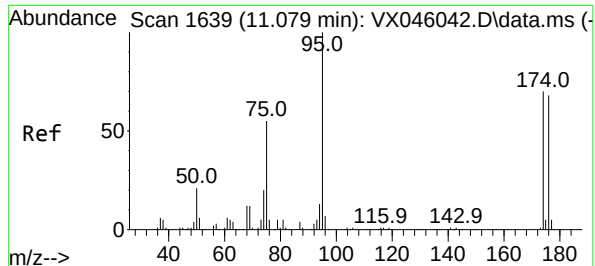
Tgt Ion:130 Resp: 125428
Ion Ratio Lower Upper
130 100
95 99.4 0.0 204.2



#50
Toluene-d8
Concen: 54.877 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046609.D
Acq: 10 Jun 2025 17:28

Tgt Ion: 98 Resp: 279093
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 56.470 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425-FD

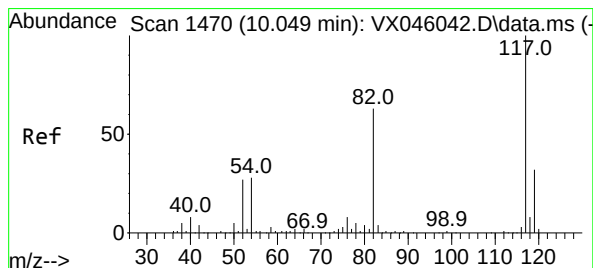
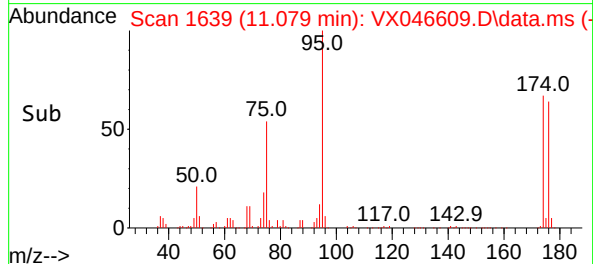
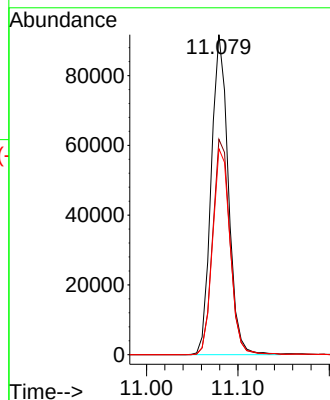
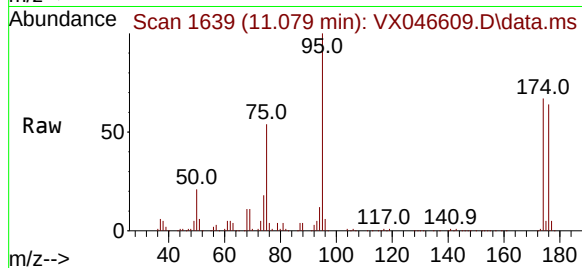
Tgt Ion: 95 Resp: 118825

Ion Ratio Lower Upper

95 100

174 68.1 0.0 135.8

176 66.3 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

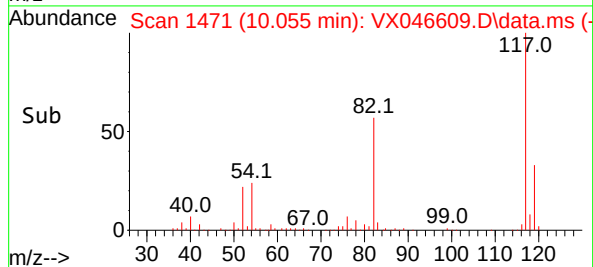
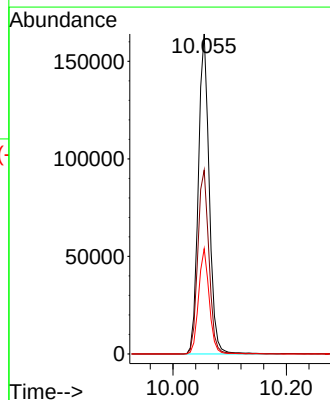
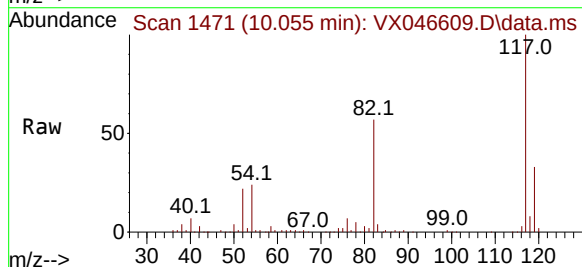
Tgt Ion: 117 Resp: 218031

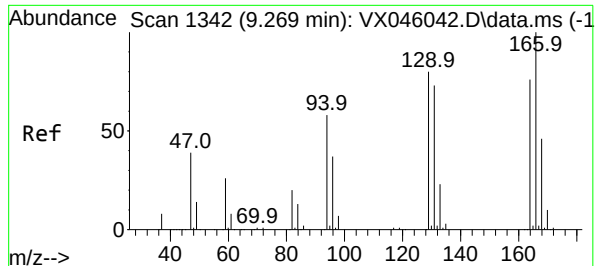
Ion Ratio Lower Upper

117 100

82 57.5 50.6 76.0

119 32.9 25.8 38.6





#64

Tetrachloroethene

Concen: 0.586 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425-FD

Tgt Ion:164 Resp: 855

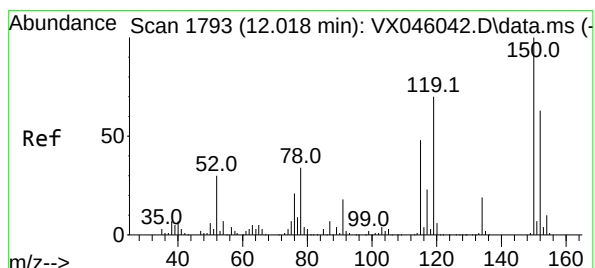
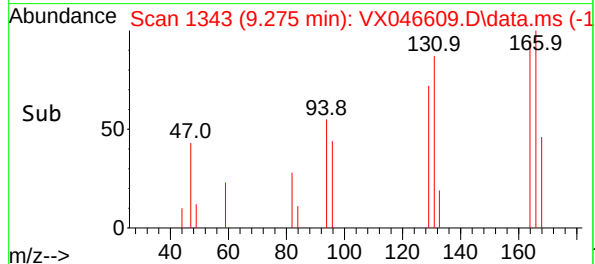
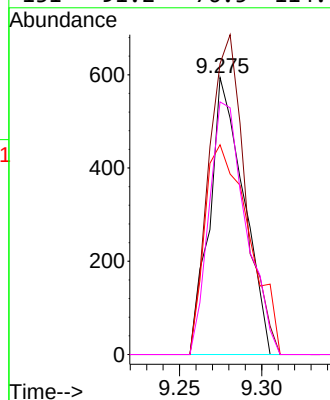
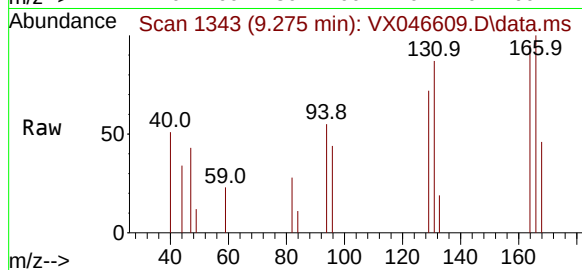
Ion Ratio Lower Upper

164 100

166 105.1 105.0 157.6

129 75.8 83.5 125.3#

131 91.2 76.5 114.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX046609.D

Acq: 10 Jun 2025 17:28

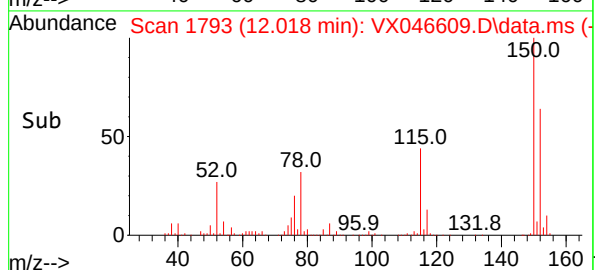
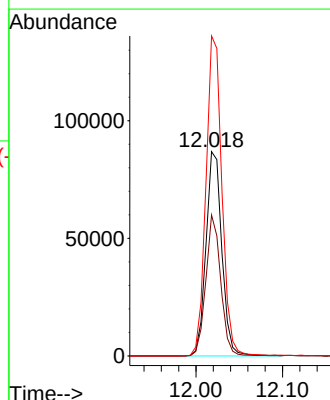
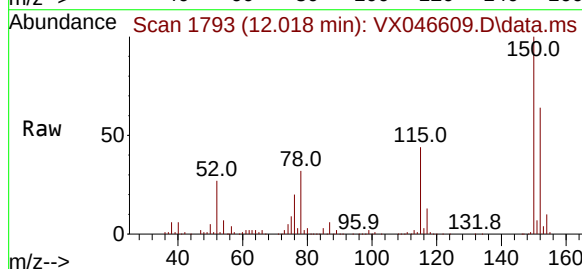
Tgt Ion:152 Resp: 110562

Ion Ratio Lower Upper

152 100

115 64.8 46.9 140.7

150 157.2 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046597.D
 Acq On : 10 Jun 2025 13:13
 Operator : JC/MD
 Sample : Q2233-03DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-56-060425-FDDL

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 11 01:46:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

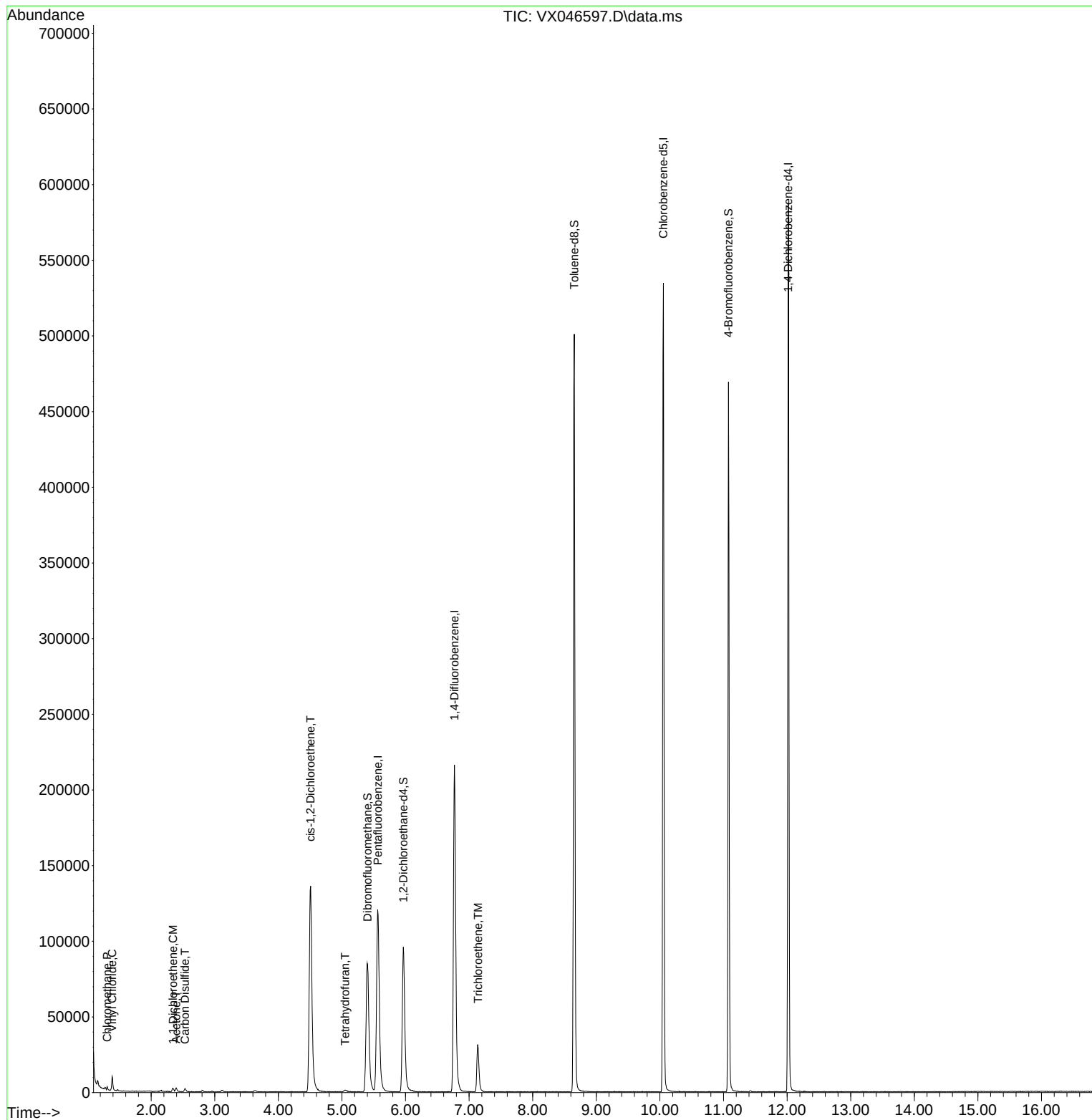
Internal Standards						
1) Pentafluorobenzene	5.562	168	114089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	221007	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99818	49.177	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.360%			
35) Dibromofluoromethane	5.403	113	82683	50.873	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.740%			
50) Toluene-d8	8.653	98	293804	54.831	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.660%			
62) 4-Bromofluorobenzene	11.079	95	123653	55.775	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.560%			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	1462	1.014	ug/l	100
4) Vinyl Chloride	1.386	62	6093	4.240	ug/l	93
12) 1,1-Dichloroethene	2.343	96	730	0.539	ug/l	82
16) Acetone	2.392	43	3207	8.544	ug/l #	81
17) Carbon Disulfide	2.532	76	2517	1.074	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	91409	51.801	ug/l	86
29) Tetrahydrofuran	5.050	42	1290	1.808	ug/l #	71
44) Trichloroethene	7.141	130	12652	7.619	ug/l	97

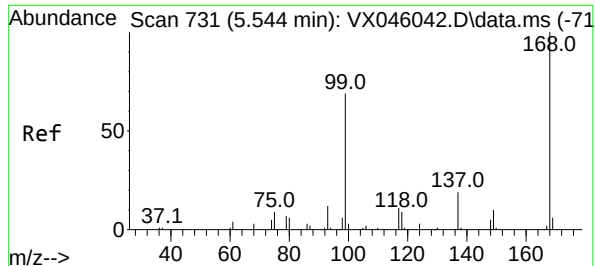
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046597.D
Acq On : 10 Jun 2025 13:13
Operator : JC/MD
Sample : Q2233-03DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FDDL

Quant Time: Jun 11 01:46:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

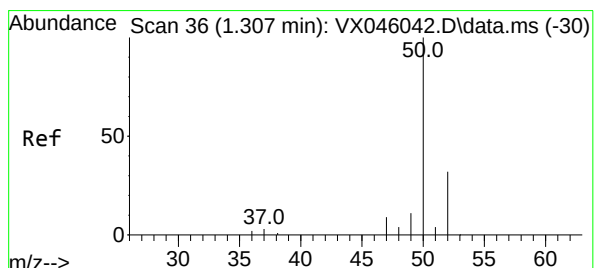
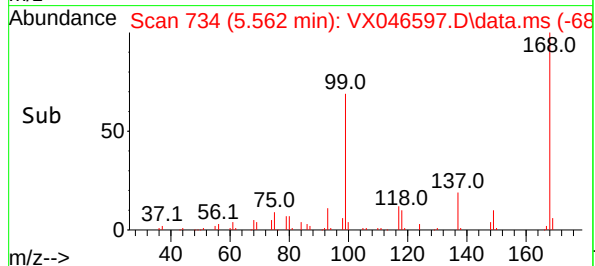
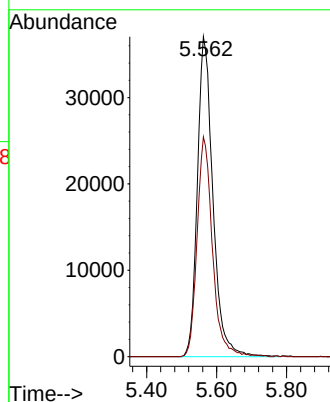
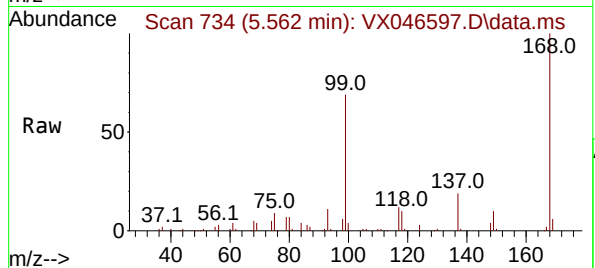




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

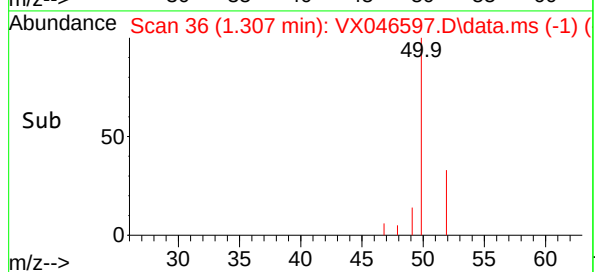
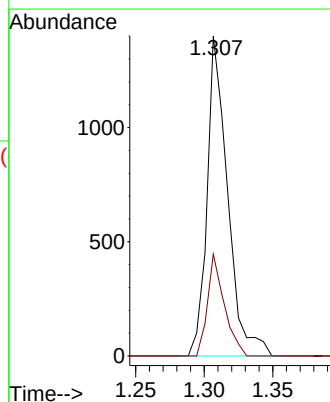
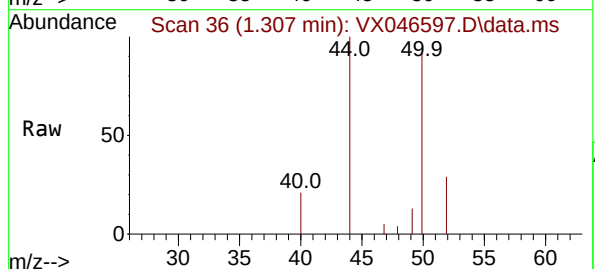
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-56-060425-FDDL

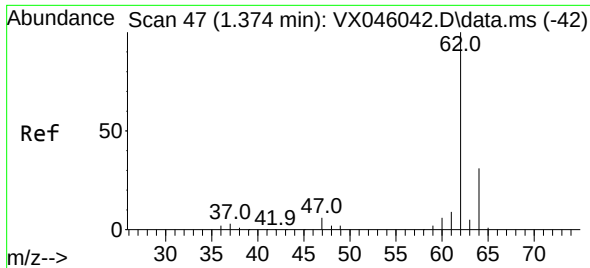
Tgt Ion:168 Resp: 114089
Ion Ratio Lower Upper
168 100
99 68.7 54.9 82.3



#3
Chloromethane
Concen: 1.014 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046597.D
Acq: 10 Jun 2025 13:13

Tgt Ion: 50 Resp: 1462
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.2





#4
Vinyl Chloride

Concen: 4.240 ug/l

RT: 1.386 min Scan# 49

Delta R.T. -0.000 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

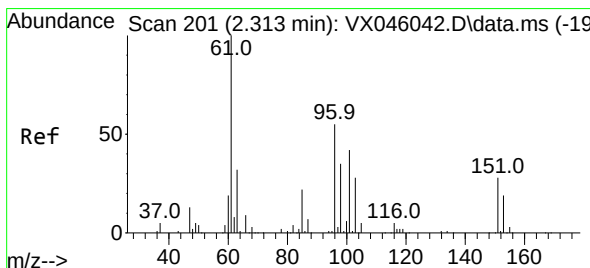
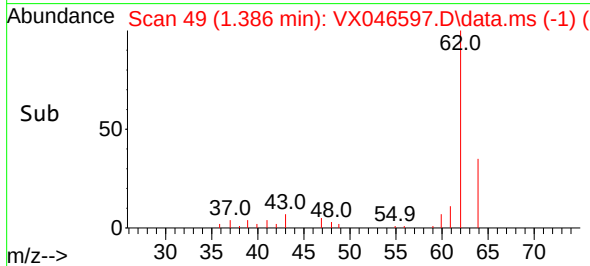
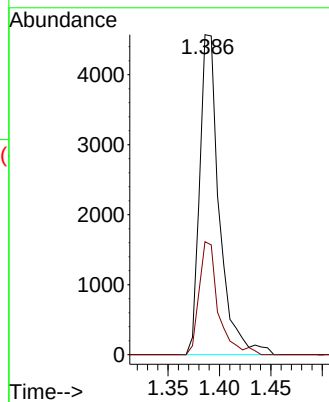
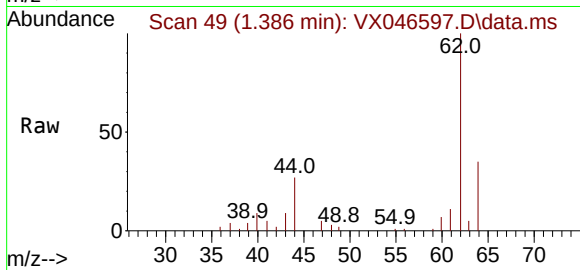
MW-18B-56-060425-FDDL

Tgt Ion: 62 Resp: 6093

Ion Ratio Lower Upper

62 100

64 35.3 25.2 37.8



#12

1,1-Dichloroethene

Concen: 0.539 ug/l

RT: 2.343 min Scan# 206

Delta R.T. 0.006 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

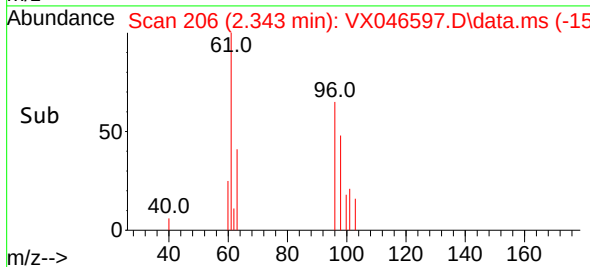
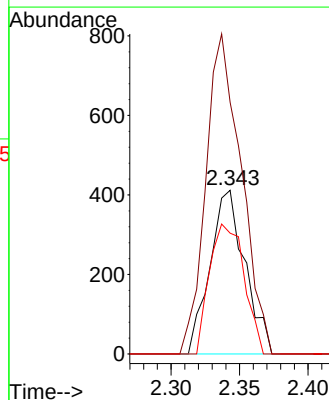
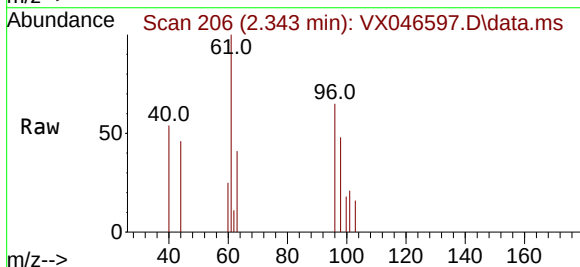
Tgt Ion: 96 Resp: 730

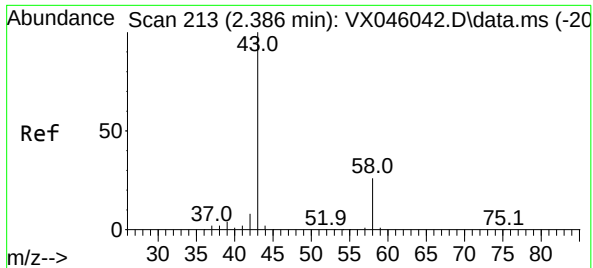
Ion Ratio Lower Upper

96 100

61 153.6 146.2 219.2

98 73.8 51.0 76.6





#16

Acetone

Concen: 8.544 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

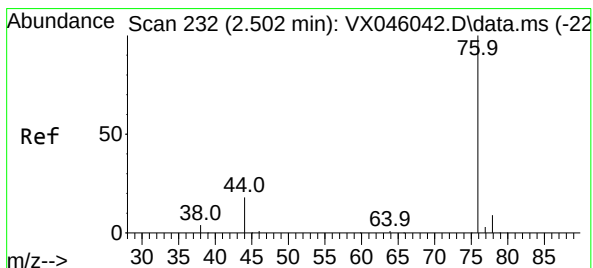
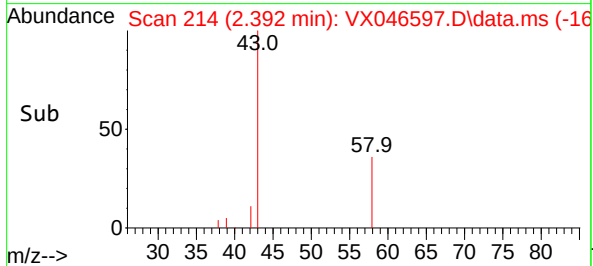
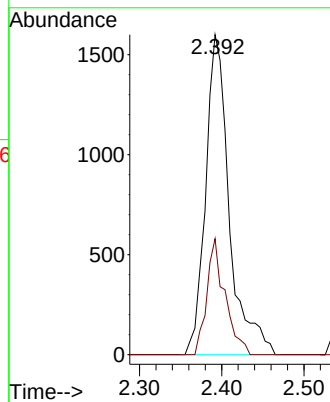
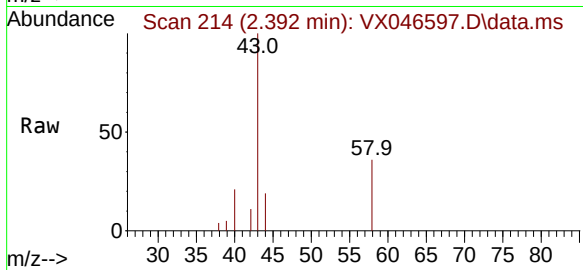
MW-18B-56-060425-FDDL

Tgt Ion: 43 Resp: 3207

Ion Ratio Lower Upper

43 100

58 36.3 21.2 31.8#



#17

Carbon Disulfide

Concen: 1.074 ug/l

RT: 2.532 min Scan# 237

Delta R.T. 0.000 min

Lab File: VX046597.D

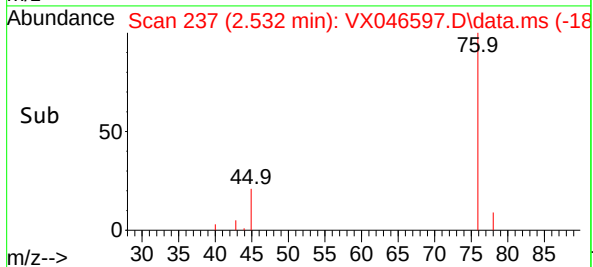
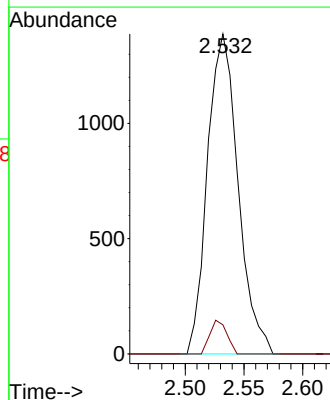
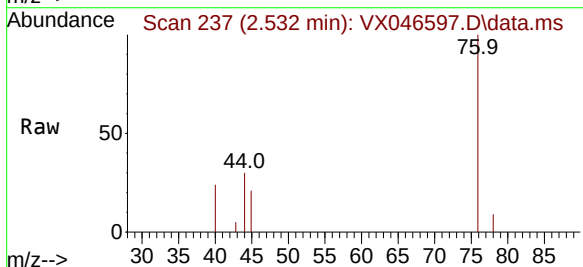
Acq: 10 Jun 2025 13:13

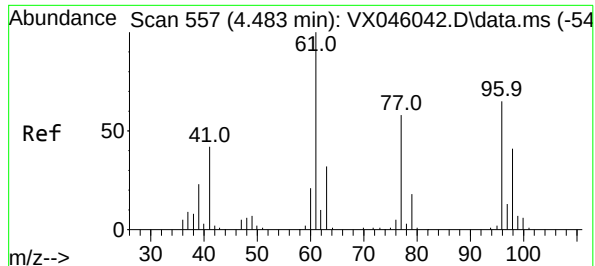
Tgt Ion: 76 Resp: 2517

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4





#27

cis-1,2-Dichloroethene

Concen: 51.801 ug/l

RT: 4.507 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425-FDDL

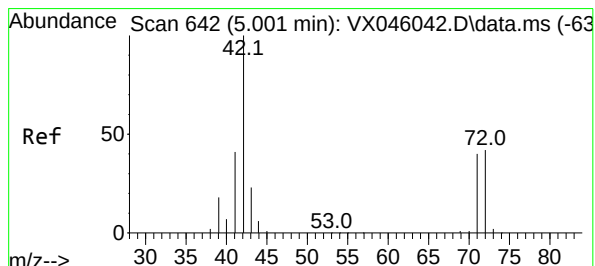
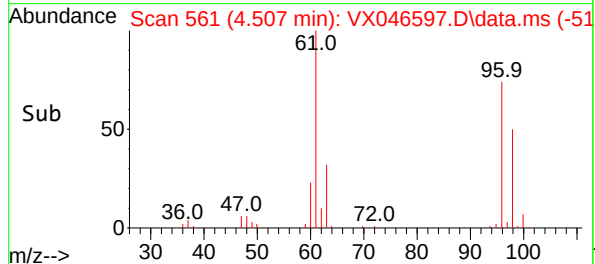
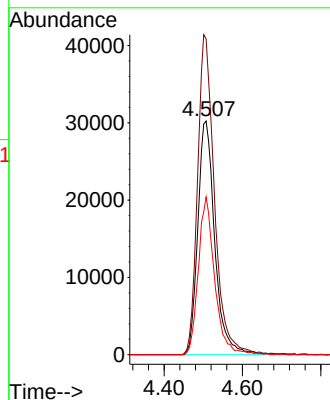
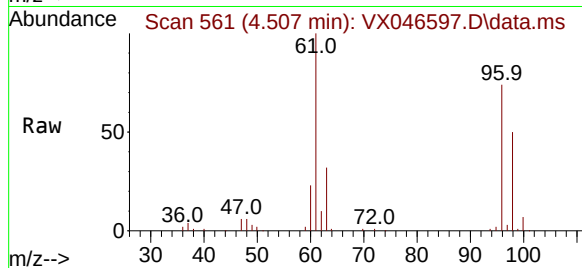
Tgt Ion: 96 Resp: 91409

Ion Ratio Lower Upper

96 100

61 135.6 0.0 322.8

98 64.6 0.0 129.0



#29

Tetrahydrofuran

Concen: 1.808 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.031 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

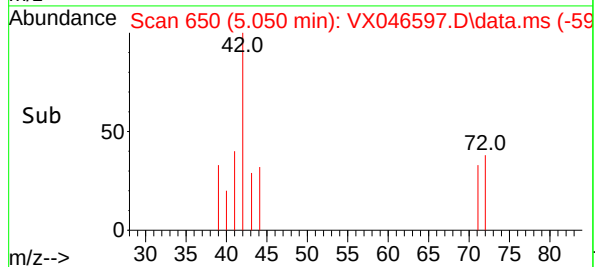
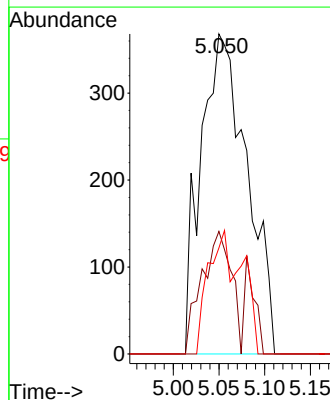
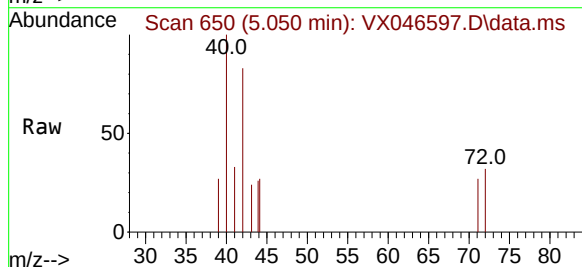
Tgt Ion: 42 Resp: 1290

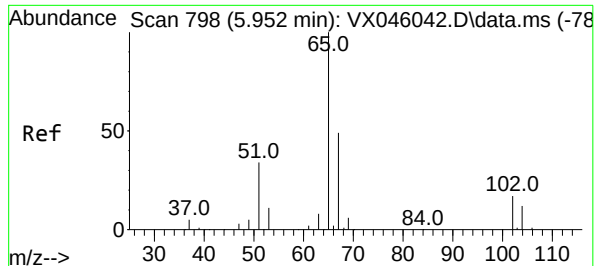
Ion Ratio Lower Upper

42 100

72 24.7 33.7 50.5#

71 20.2 31.4 47.2#





#33

1,2-Dichloroethane-d4

Concen: 49.177 ug/l

RT: 5.964 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

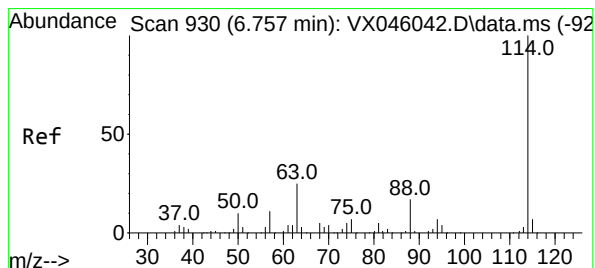
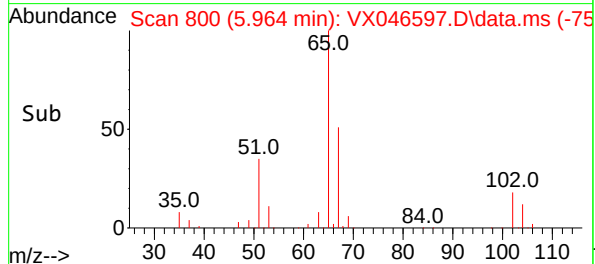
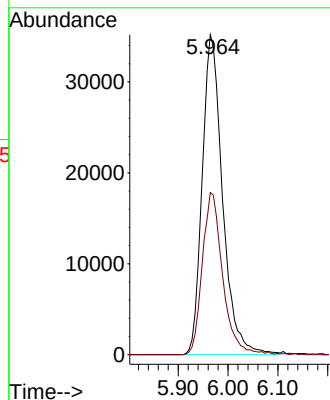
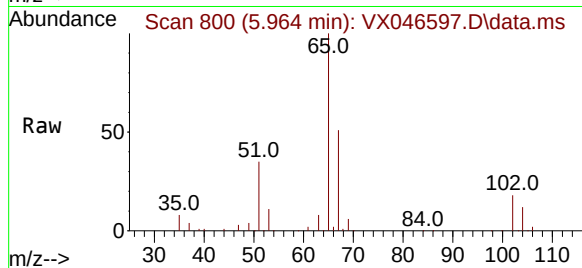
MW-18B-56-060425-FDDL

Tgt Ion: 65 Resp: 99818

Ion Ratio Lower Upper

65 100

67 50.6 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.006 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

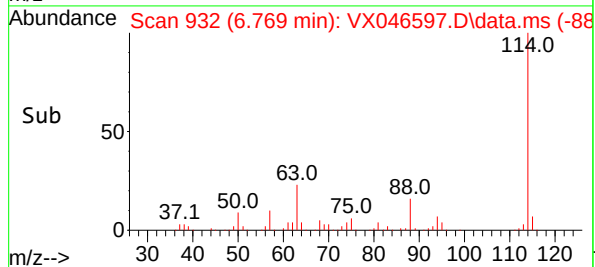
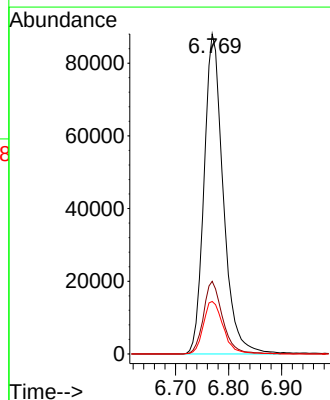
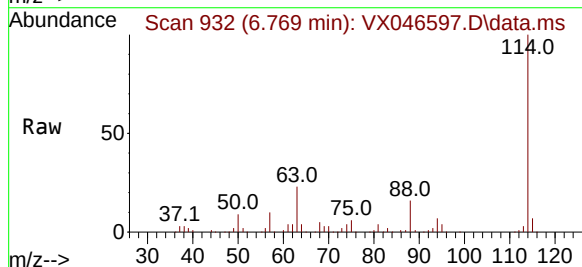
Tgt Ion: 114 Resp: 221007

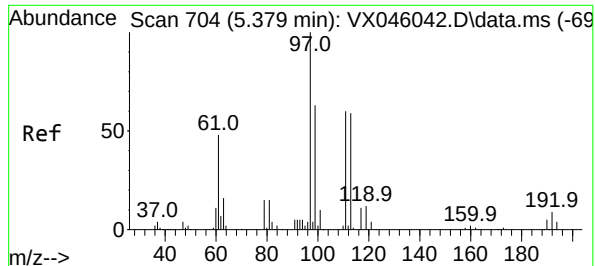
Ion Ratio Lower Upper

114 100

63 22.7 0.0 49.2

88 16.4 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.873 ug/l

RT: 5.403 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046597.D

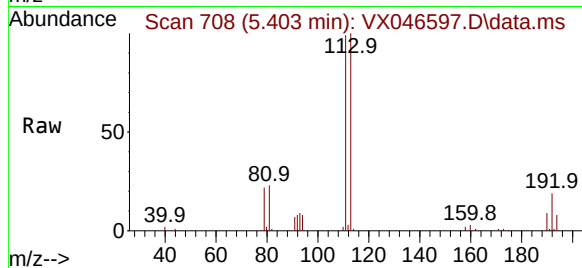
Acq: 10 Jun 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425-FDDL



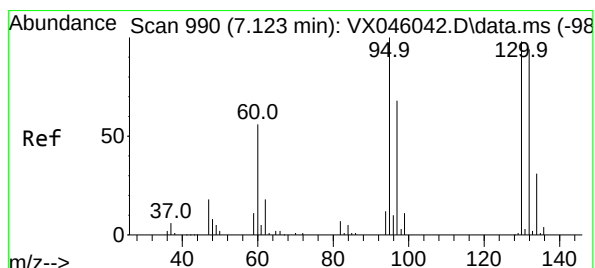
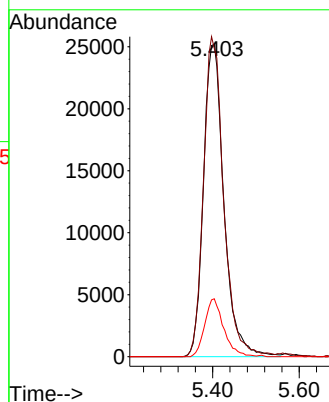
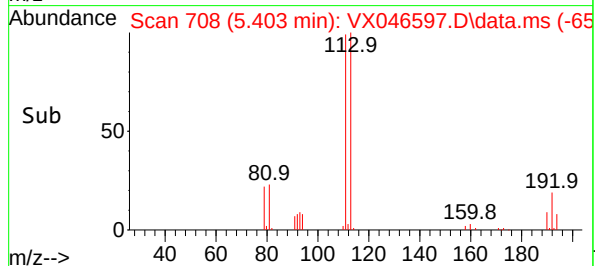
Tgt Ion:113 Resp: 82683

Ion Ratio Lower Upper

113 100

111 100.9 83.1 124.7

192 17.2 13.3 19.9



#44

Trichloroethene

Concen: 7.619 ug/l

RT: 7.141 min Scan# 993

Delta R.T. 0.006 min

Lab File: VX046597.D

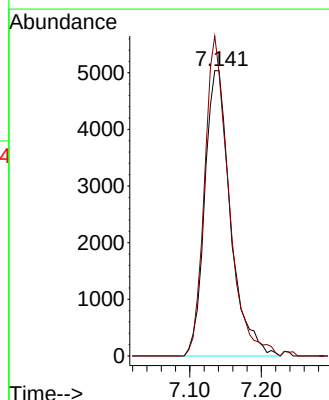
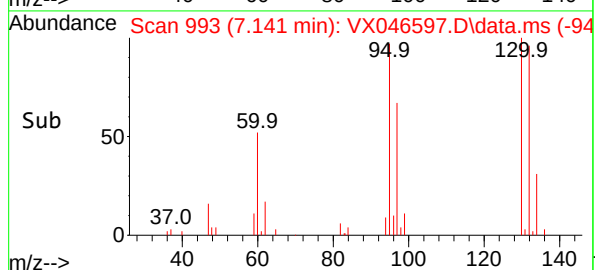
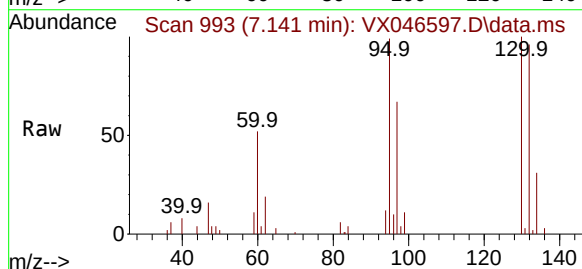
Acq: 10 Jun 2025 13:13

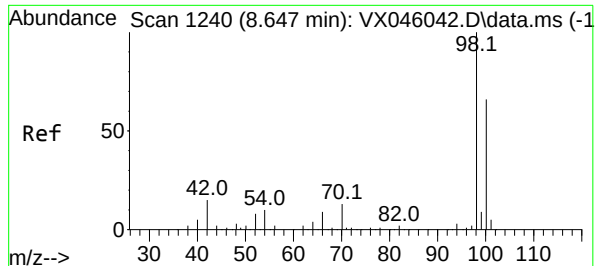
Tgt Ion:130 Resp: 12652

Ion Ratio Lower Upper

130 100

95 99.1 0.0 204.2





#50

Toluene-d8

Concen: 54.831 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

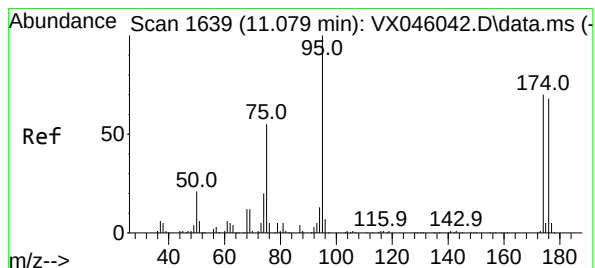
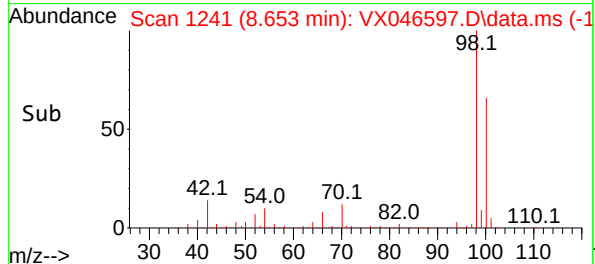
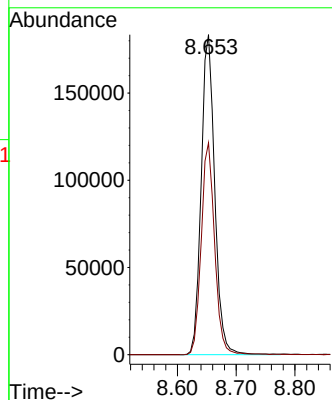
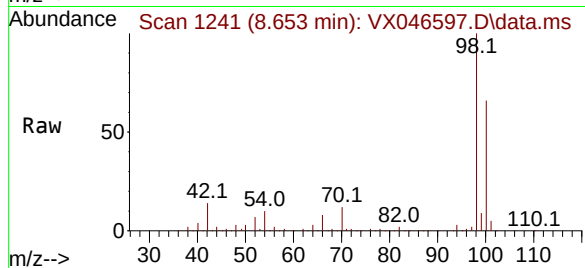
MW-18B-56-060425-FDDL

Tgt Ion: 98 Resp: 293804

Ion Ratio Lower Upper

98 100

100 65.6 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 55.775 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

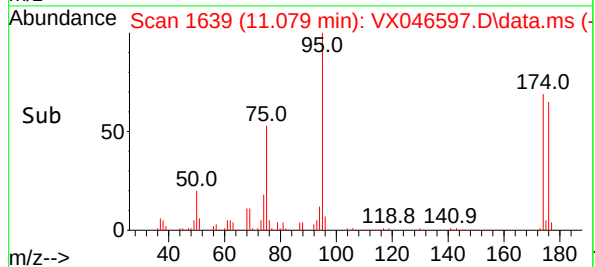
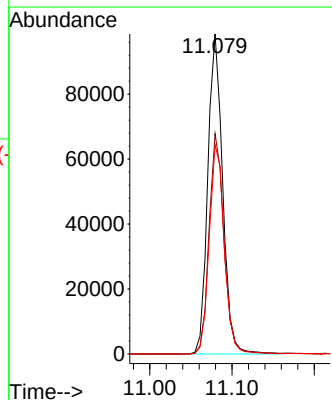
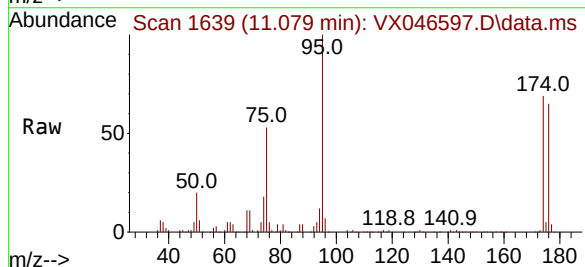
Tgt Ion: 95 Resp: 123653

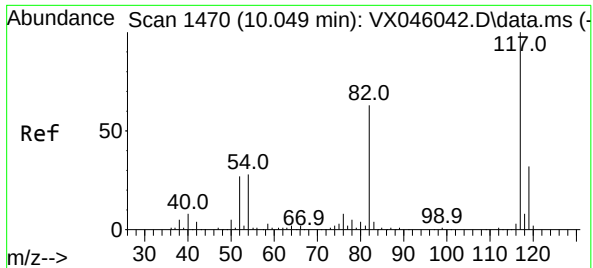
Ion Ratio Lower Upper

95 100

174 68.8 0.0 135.8

176 66.4 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-56-060425-FDDL

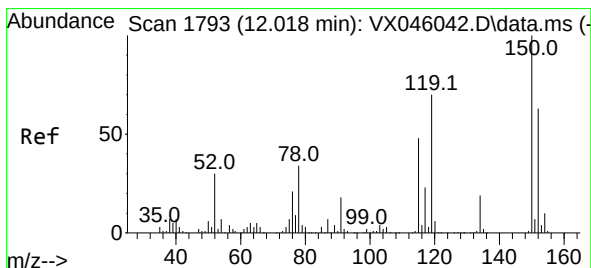
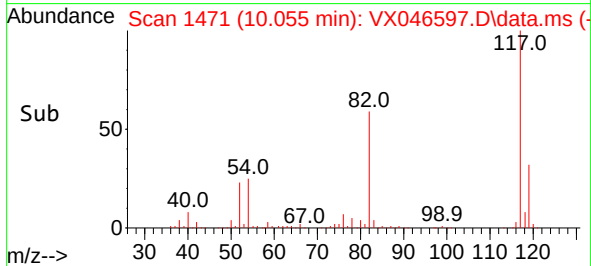
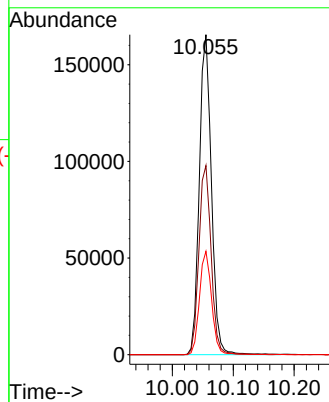
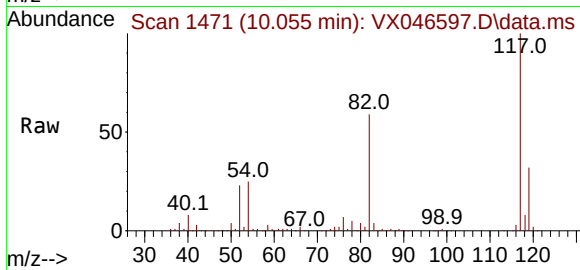
Tgt Ion:117 Resp: 228335

Ion Ratio Lower Upper

117 100

82 59.1 50.6 76.0

119 32.3 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX046597.D

Acq: 10 Jun 2025 13:13

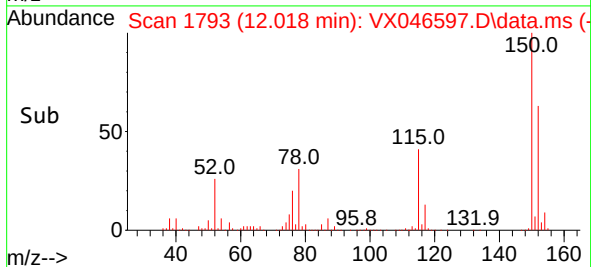
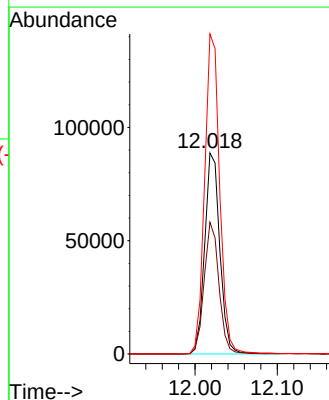
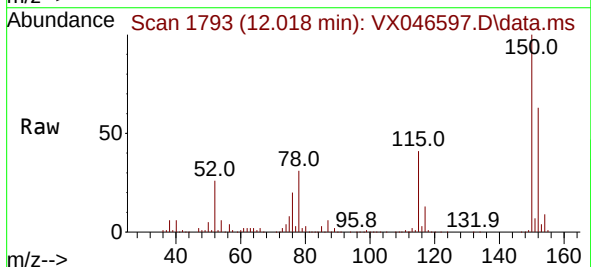
Tgt Ion:152 Resp: 113693

Ion Ratio Lower Upper

152 100

115 64.1 46.9 140.7

150 158.7 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046610.D
 Acq On : 10 Jun 2025 17:50
 Operator : JC/MD
 Sample : Q2233-04 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-72-060425

Quant Time: Jun 11 01:53:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

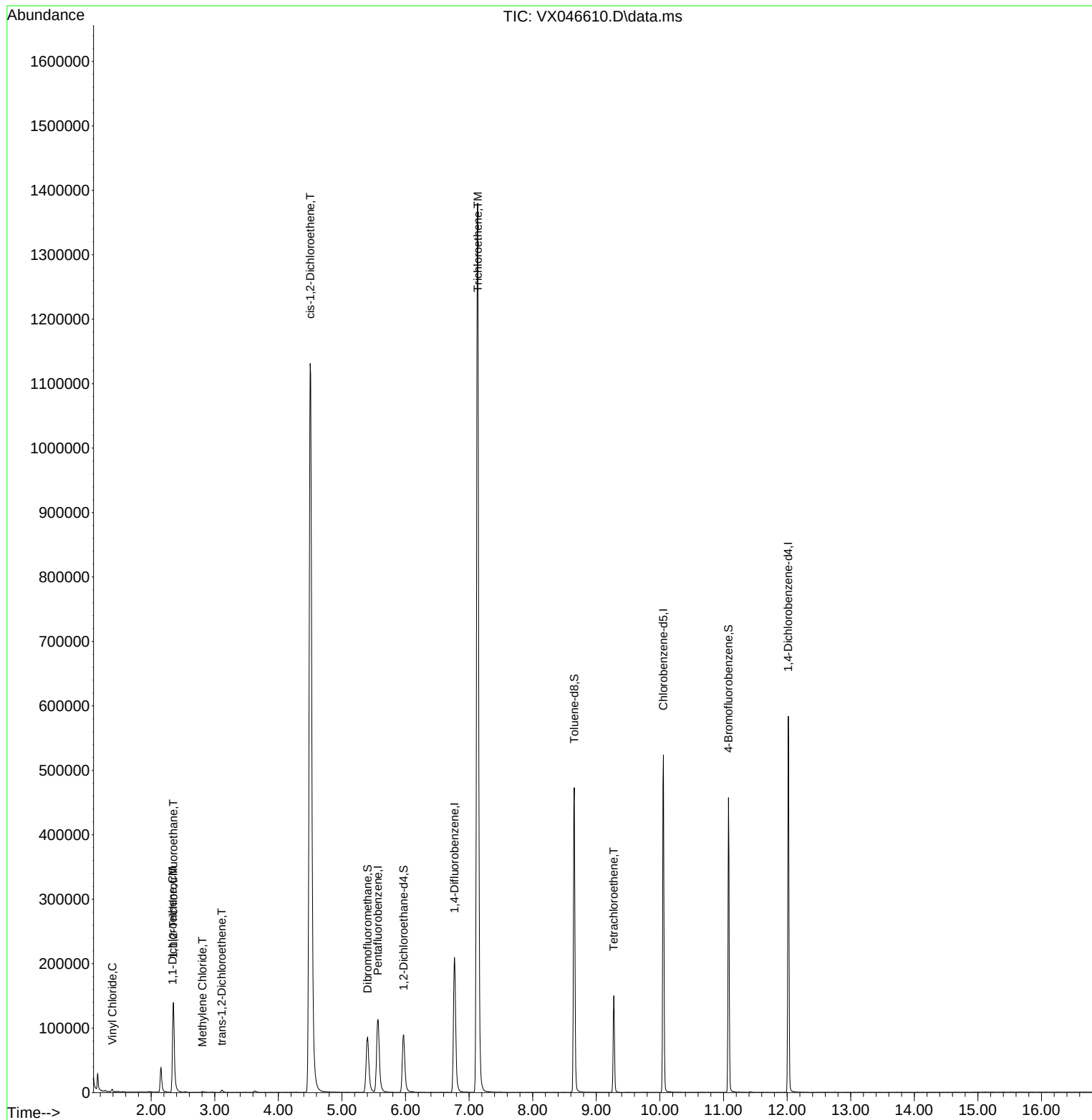
Internal Standards						
1) Pentafluorobenzene	5.562	168	109464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	216135	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	96616	49.611	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.220%
35) Dibromofluoromethane	5.403	113	79699	50.143	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.280%
50) Toluene-d8	8.653	98	283167	54.037	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.080%
62) 4-Bromofluorobenzene	11.079	95	121181	55.892	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	111.780%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.392	62	2064	1.497	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	61002	42.439	ug/l	98
12) 1,1-Dichloroethene	2.337	96	4513	3.473	ug/l	92
20) Methylene Chloride	2.806	84	617	0.395	ug/l #	76
21) trans-1,2-Dichloroethene	3.111	96	1678	1.220	ug/l	95
27) cis-1,2-Dichloroethene	4.501	96	760857	449.392	ug/l	86
44) Trichloroethene	7.135	130	542537	334.073	ug/l	98
64) Tetrachloroethene	9.275	164	26022	17.466	ug/l	95

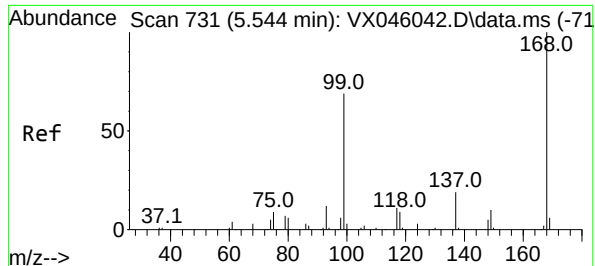
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046610.D
Acq On : 10 Jun 2025 17:50
Operator : JC/MD
Sample : Q2233-04 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

Quant Time: Jun 11 01:53:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

Instrument :

MSVOA_X

ClientSampleId :

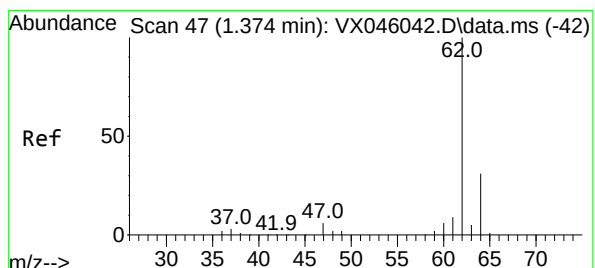
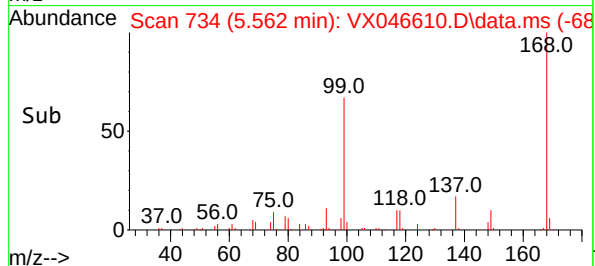
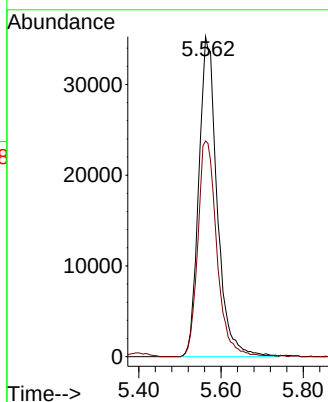
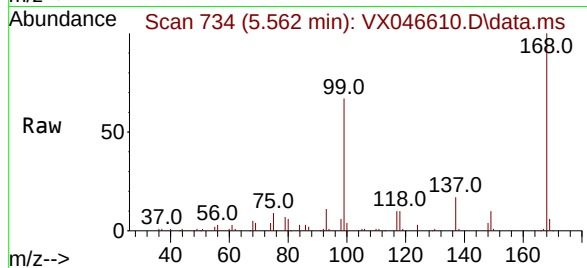
MW-19B-72-060425

Tgt Ion:168 Resp: 109464

Ion Ratio Lower Upper

168 100

99 67.4 54.9 82.3



#4

Vinyl Chloride

Concen: 1.497 ug/l

RT: 1.392 min Scan# 50

Delta R.T. 0.006 min

Lab File: VX046610.D

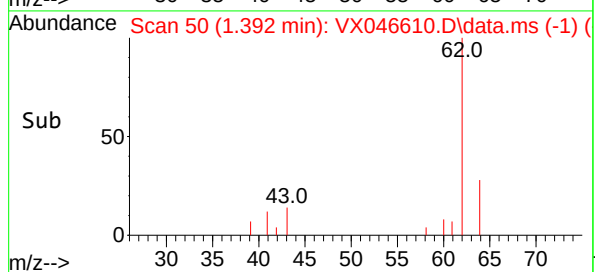
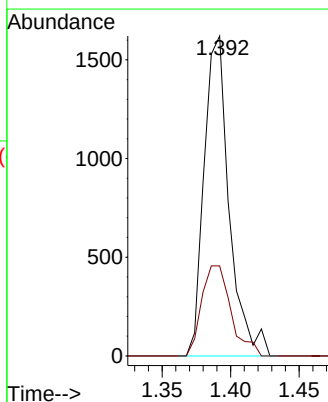
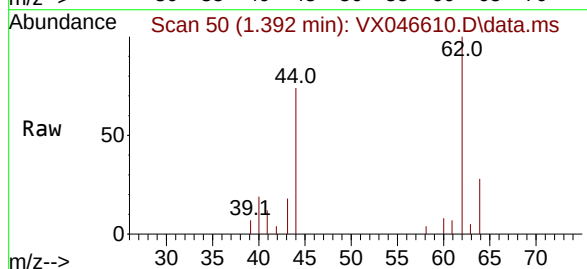
Acq: 10 Jun 2025 17:50

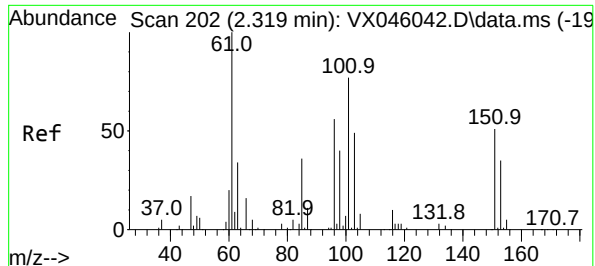
Tgt Ion: 62 Resp: 2064

Ion Ratio Lower Upper

62 100

64 28.1 25.2 37.8

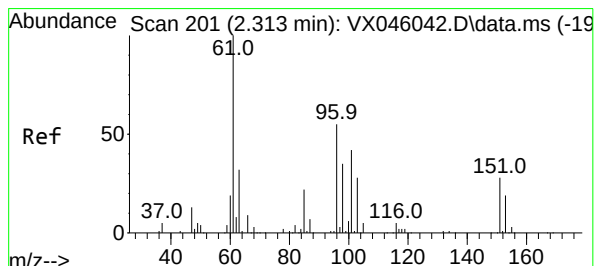
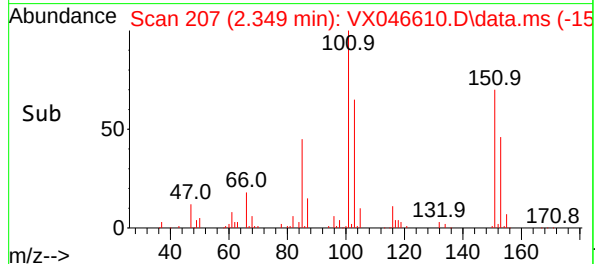
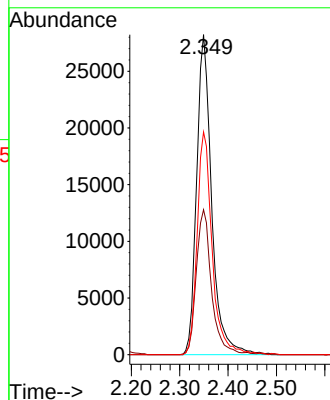
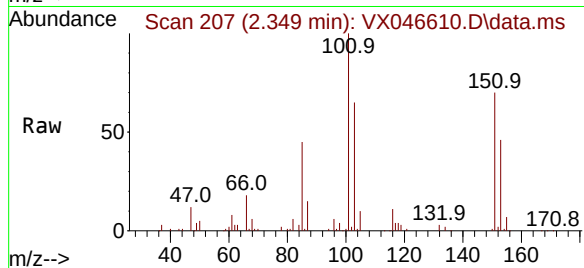




#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.439 ug/l
RT: 2.349 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

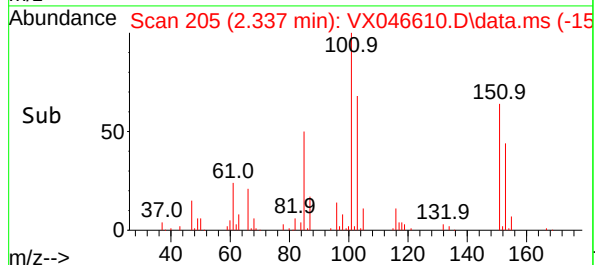
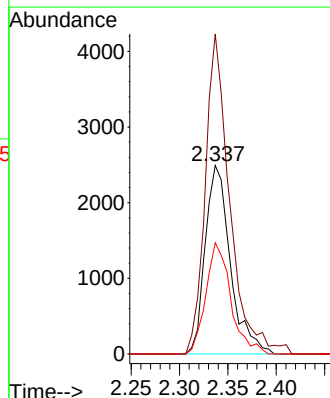
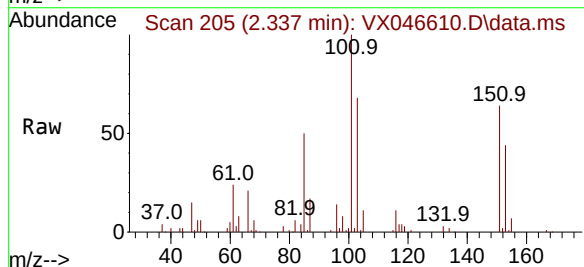
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

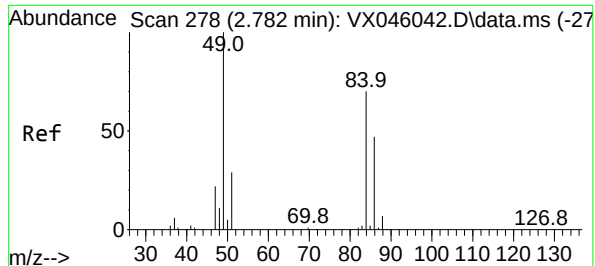
Tgt Ion:101 Resp: 61002
Ion Ratio Lower Upper
101 100
85 46.0 38.6 58.0
151 69.5 55.2 82.8



#12
1,1-Dichloroethene
Concen: 3.473 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion: 96 Resp: 4513
Ion Ratio Lower Upper
96 100
61 169.7 146.2 219.2
98 59.0 51.0 76.6





#20

Methylene Chloride

Concen: 0.395 ug/l

RT: 2.806 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

Instrument :

MSVOA_X

ClientSampleId :

MW-19B-72-060425

Tgt Ion: 84 Resp: 617

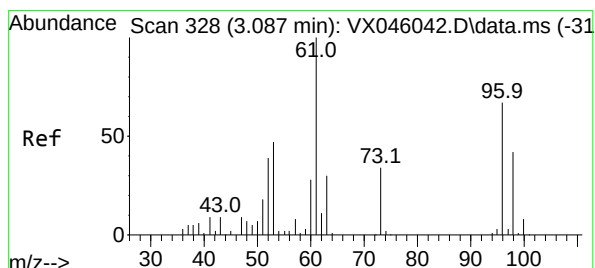
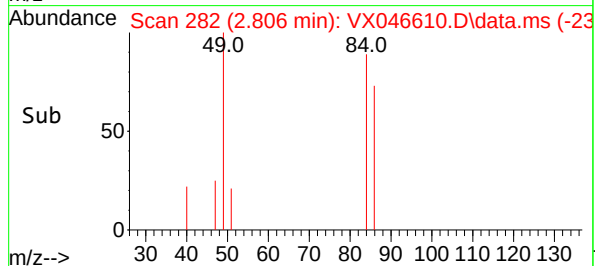
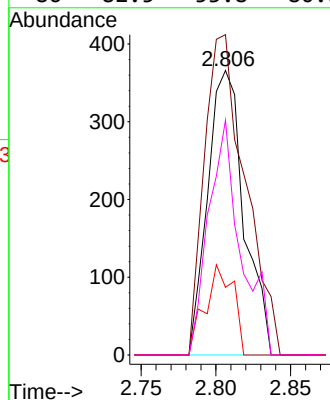
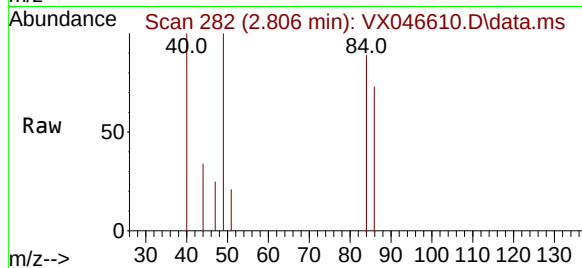
Ion Ratio Lower Upper

84 100

49 112.6 113.9 170.9#

51 23.8 33.5 50.3#

86 82.5 53.8 80.8#



#21

trans-1,2-Dichloroethene

Concen: 1.220 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

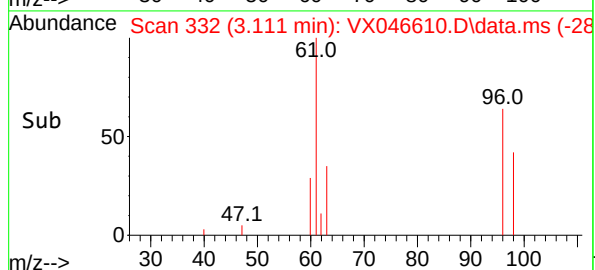
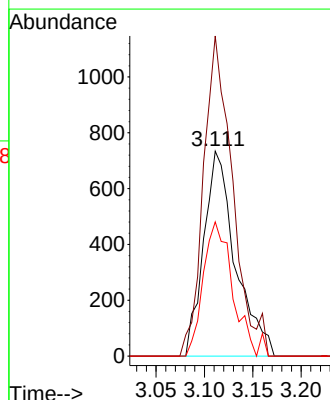
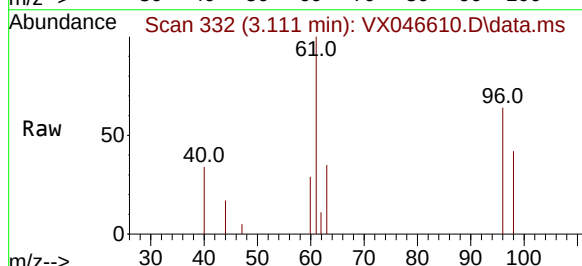
Tgt Ion: 96 Resp: 1678

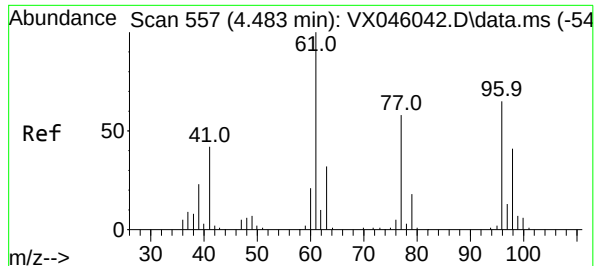
Ion Ratio Lower Upper

96 100

61 156.3 119.5 179.3

98 65.5 50.0 75.0





#27

cis-1,2-Dichloroethene

Concen: 449.392 ug/l

RT: 4.501 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

Instrument :

MSVOA_X

ClientSampleId :

MW-19B-72-060425

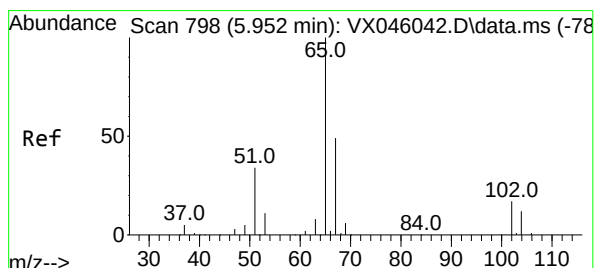
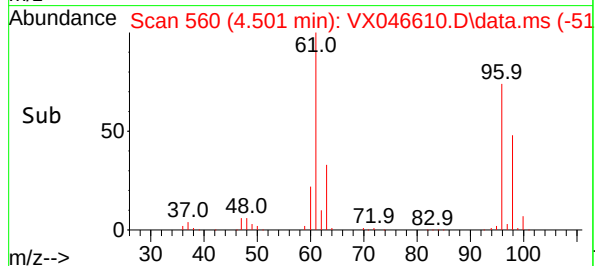
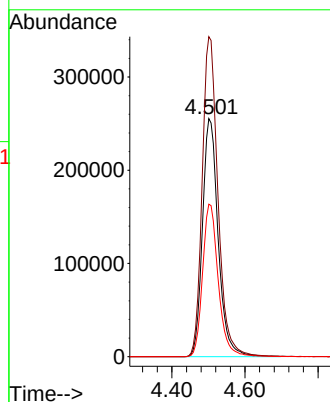
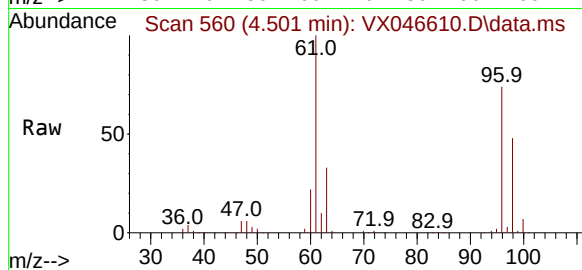
Tgt Ion: 96 Resp: 760857

Ion Ratio Lower Upper

96 100

61 135.2 0.0 322.8

98 64.0 0.0 129.0



#33

1,2-Dichloroethane-d4

Concen: 49.611 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046610.D

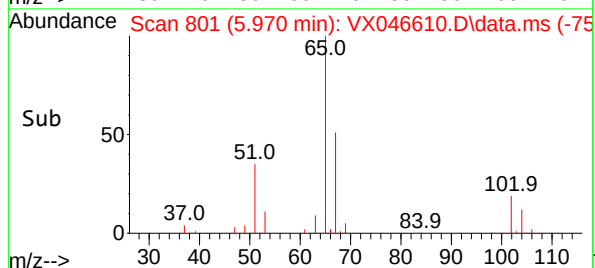
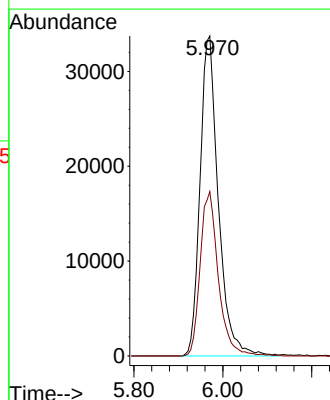
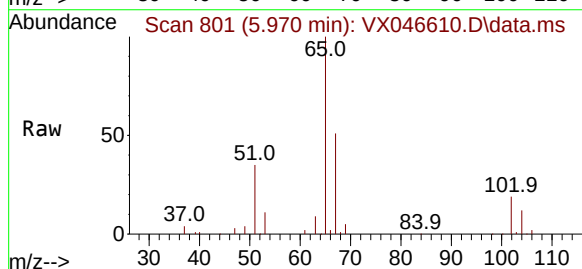
Acq: 10 Jun 2025 17:50

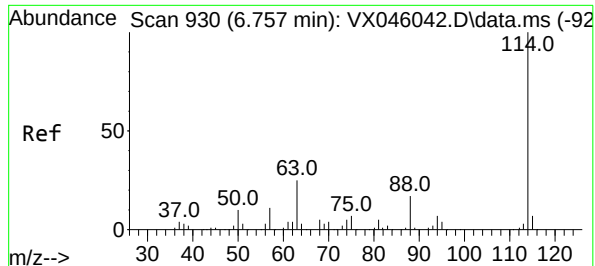
Tgt Ion: 65 Resp: 96616

Ion Ratio Lower Upper

65 100

67 51.1 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

Instrument :

MSVOA_X

ClientSampleId :

MW-19B-72-060425

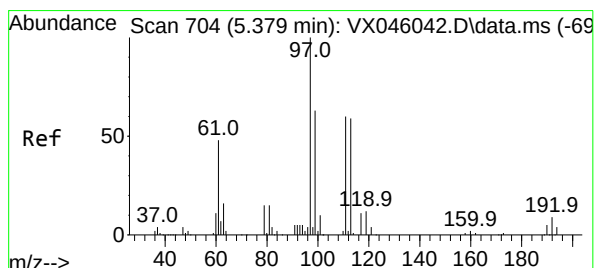
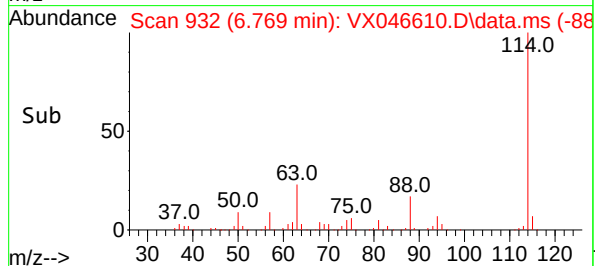
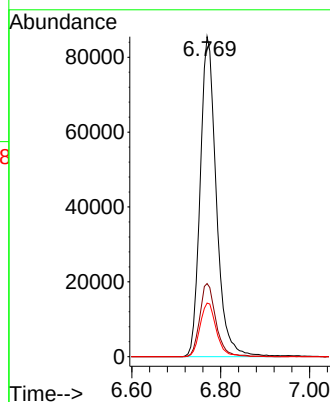
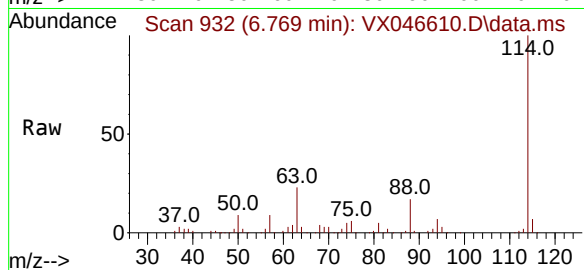
Tgt Ion:114 Resp: 216135

Ion Ratio Lower Upper

114 100

63 22.8 0.0 49.2

88 16.8 0.0 33.6



#35

Dibromofluoromethane

Concen: 50.143 ug/l

RT: 5.403 min Scan# 708

Delta R.T. 0.000 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

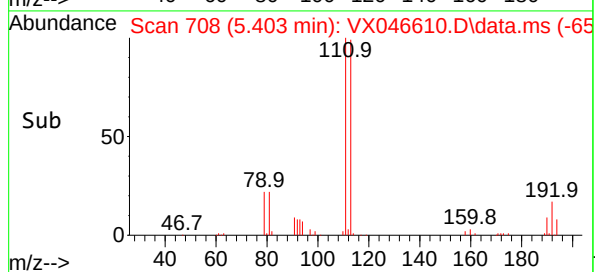
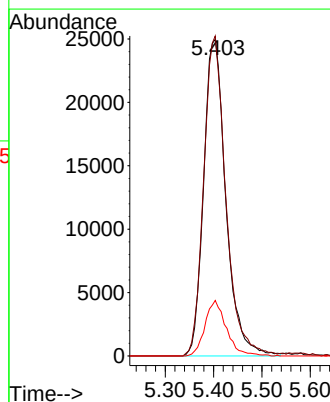
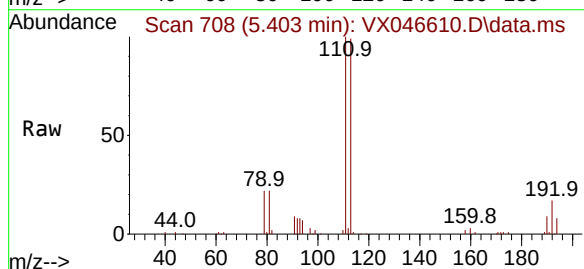
Tgt Ion:113 Resp: 79699

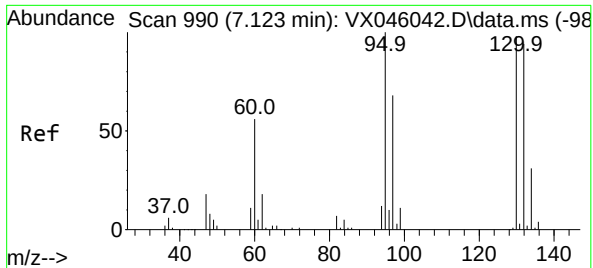
Ion Ratio Lower Upper

113 100

111 101.0 83.1 124.7

192 16.9 13.3 19.9

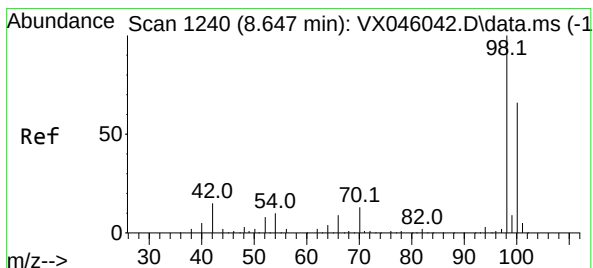
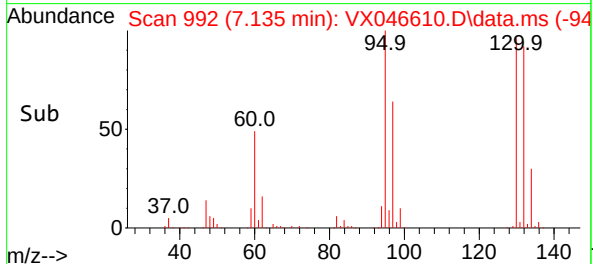
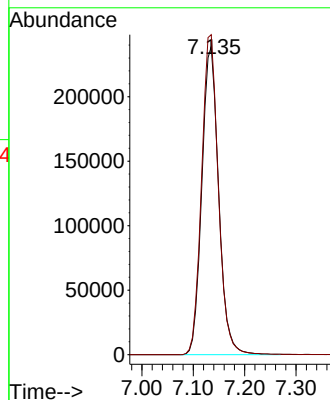
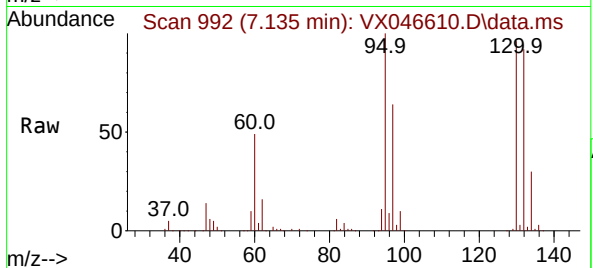




#44
Trichloroethene
Concen: 334.073 ug/l
RT: 7.135 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

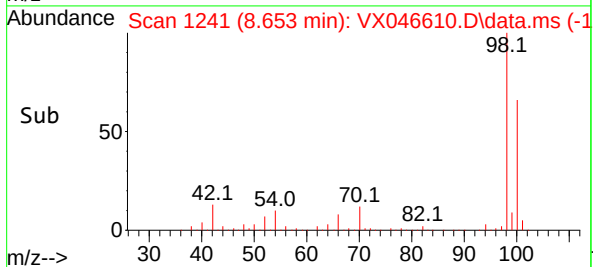
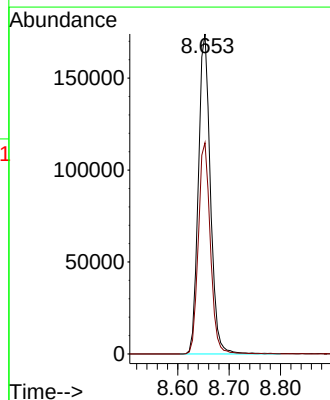
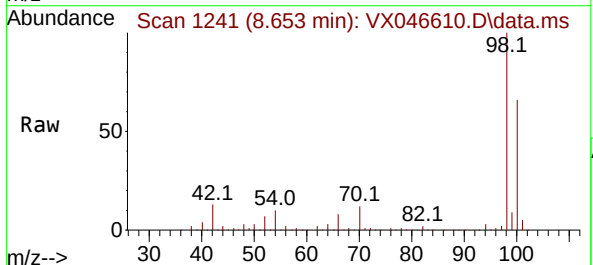
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425

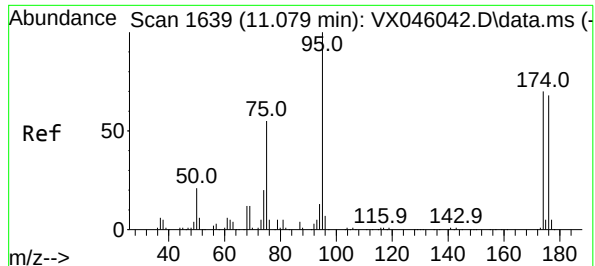
Tgt Ion:130 Resp: 542537
Ion Ratio Lower Upper
130 100
95 103.9 0.0 204.2



#50
Toluene-d8
Concen: 54.037 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046610.D
Acq: 10 Jun 2025 17:50

Tgt Ion: 98 Resp: 283167
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 55.892 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

Instrument :

MSVOA_X

ClientSampleId :

MW-19B-72-060425

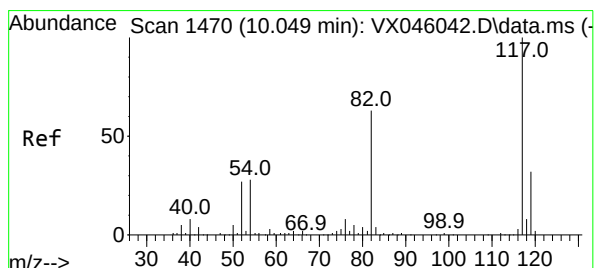
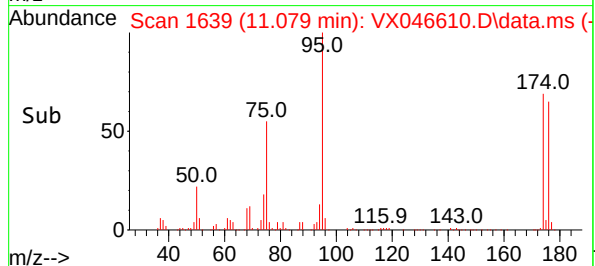
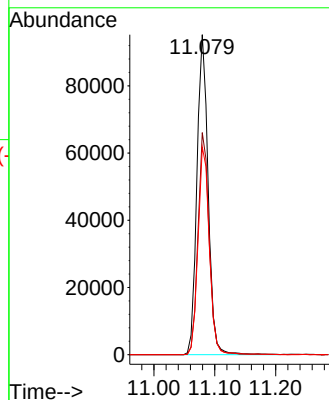
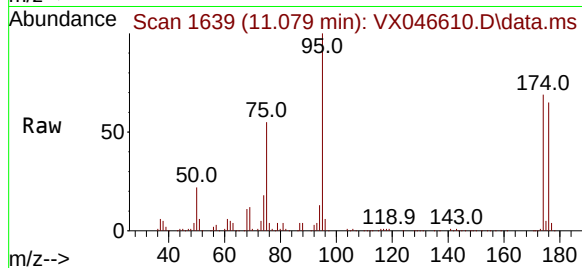
Tgt Ion: 95 Resp: 121181

Ion Ratio Lower Upper

95 100

174 69.5 0.0 135.8

176 65.6 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

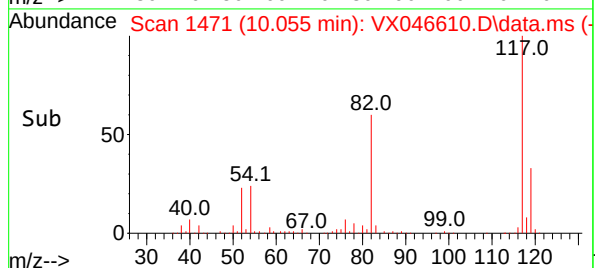
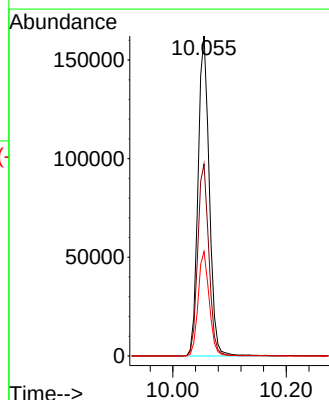
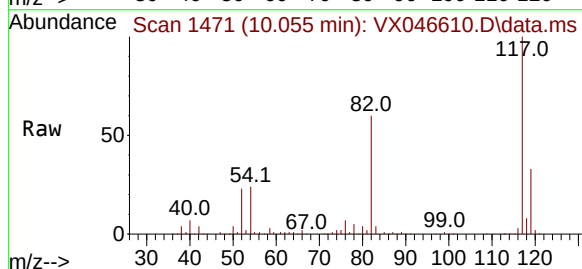
Tgt Ion: 117 Resp: 222806

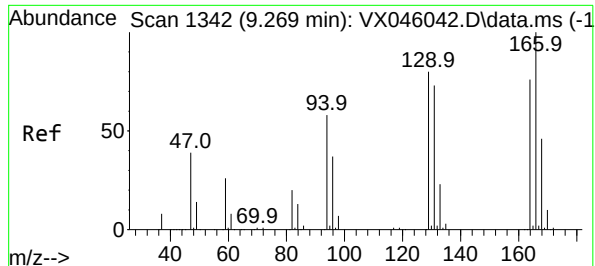
Ion Ratio Lower Upper

117 100

82 60.0 50.6 76.0

119 32.7 25.8 38.6





#64

Tetrachloroethene

Concen: 17.466 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

Instrument :

MSVOA_X

ClientSampleId :

MW-19B-72-060425

Tgt Ion:164 Resp: 26022

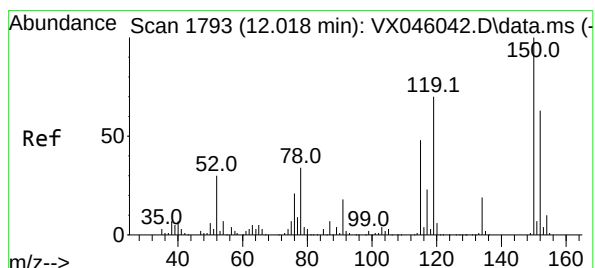
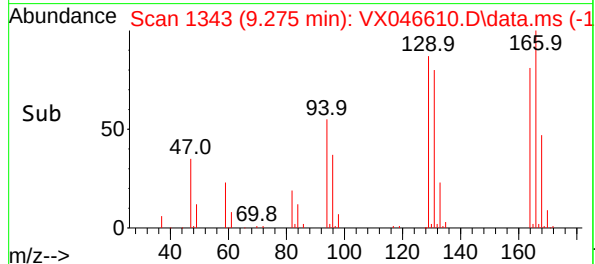
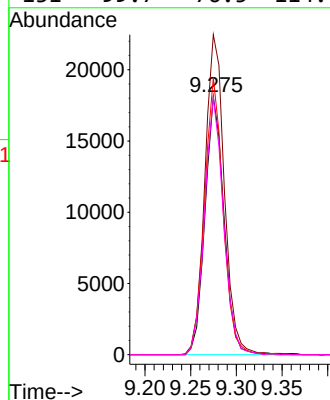
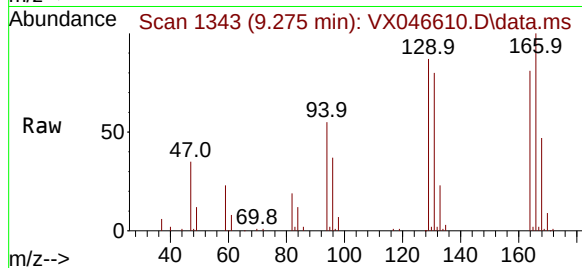
Ion Ratio Lower Upper

164 100

166 124.0 105.0 157.6

129 107.4 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# 1793

Delta R.T. -0.006 min

Lab File: VX046610.D

Acq: 10 Jun 2025 17:50

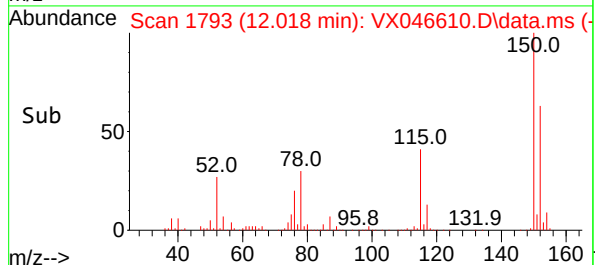
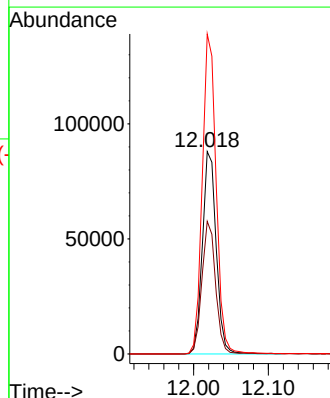
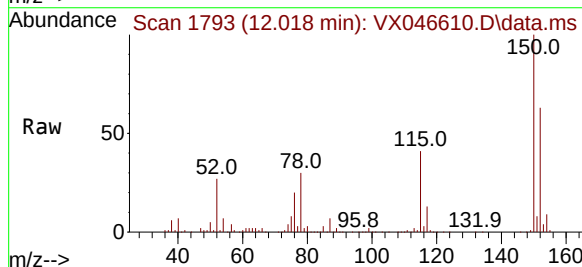
Tgt Ion:152 Resp: 113207

Ion Ratio Lower Upper

152 100

115 64.8 46.9 140.7

150 158.3 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046598.D
 Acq On : 10 Jun 2025 13:34
 Operator : JC/MD
 Sample : Q2233-04DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-72-060425DL

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 11 01:46:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

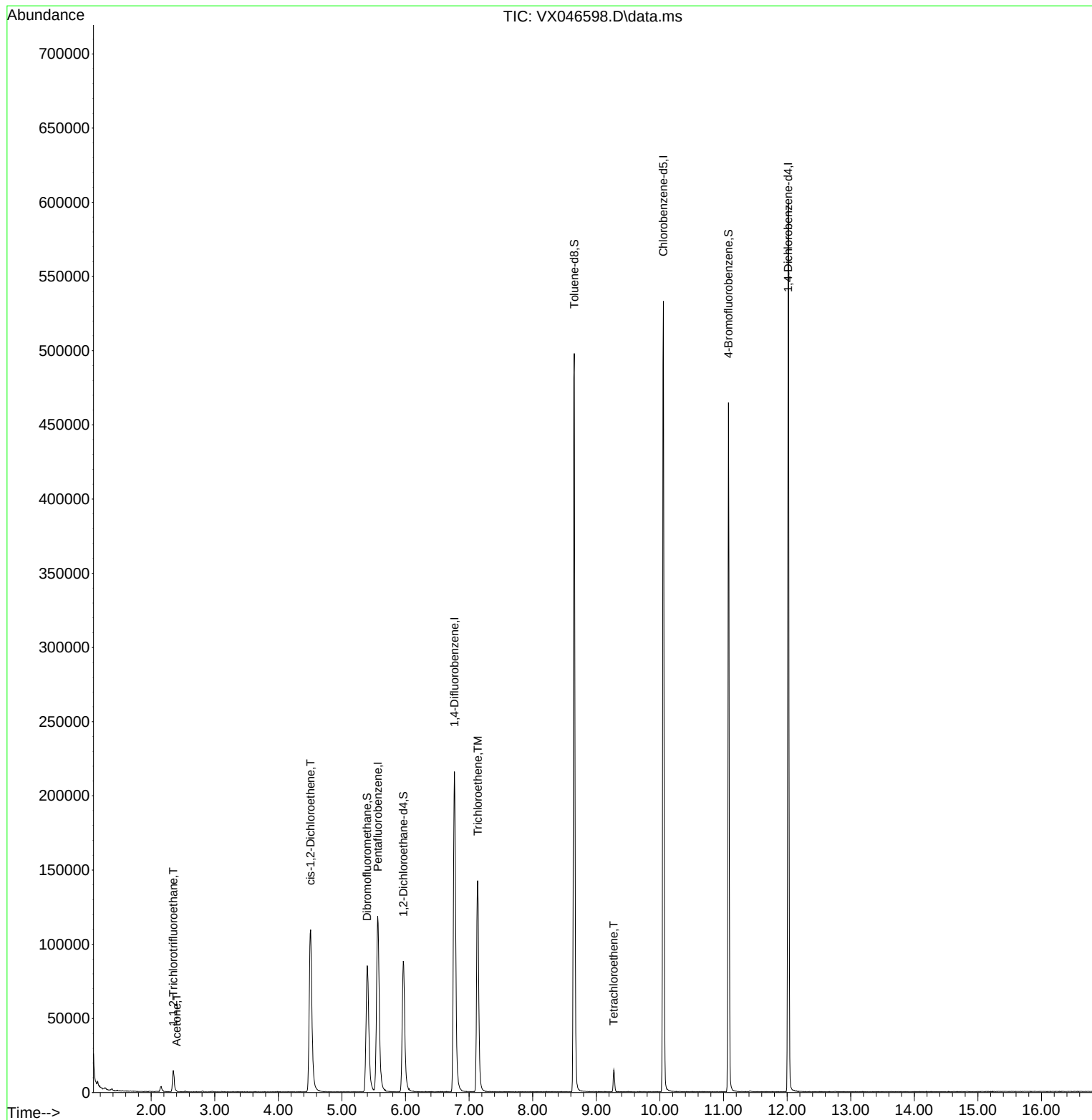
Internal Standards						
1) Pentafluorobenzene	5.562	168	114321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	223942	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	116361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	94127	46.279	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.560%
35) Dibromofluoromethane	5.397	113	79249	48.121	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.240%
50) Toluene-d8	8.653	98	297442	54.783	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.560%
62) 4-Bromofluorobenzene	11.079	95	122514	54.537	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.080%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.349	101	6291	4.191	ug/l	96
16) Acetone	2.398	43	442	5.138	ug/l	91
27) cis-1,2-Dichloroethene	4.507	96	76787	43.427	ug/l	82
44) Trichloroethene	7.135	130	58002	34.470	ug/l	99
64) Tetrachloroethene	9.275	164	2766	1.791	ug/l	98

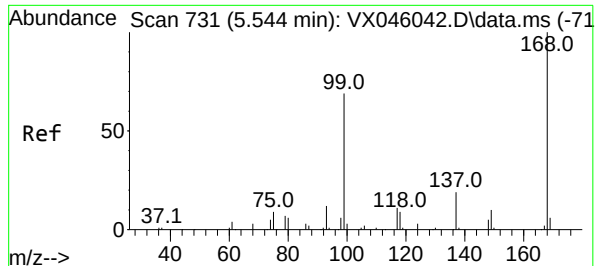
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046598.D
Acq On : 10 Jun 2025 13:34
Operator : JC/MD
Sample : Q2233-04DL 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425DL

Quant Time: Jun 11 01:46:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX046598.D

Acq: 10 Jun 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

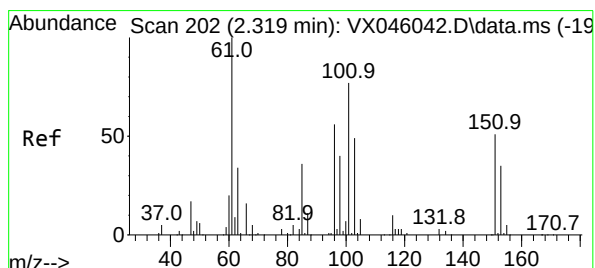
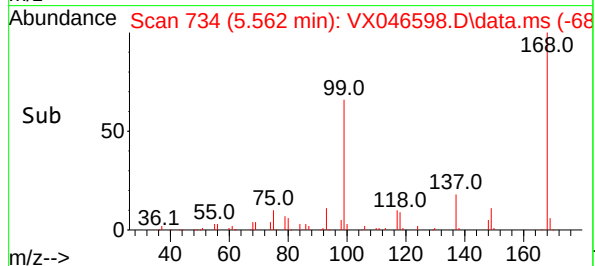
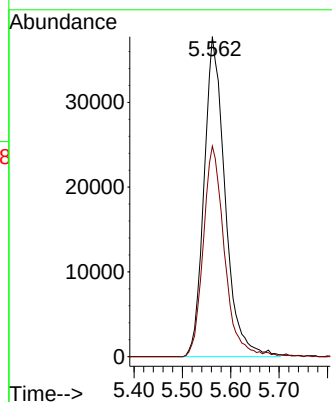
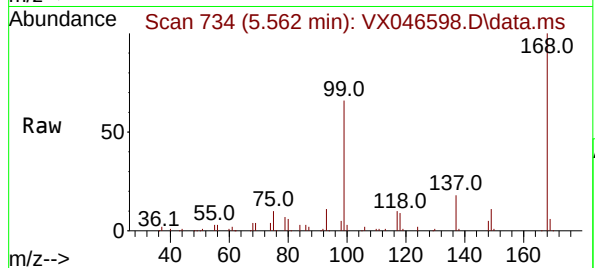
MW-19B-72-060425DL

Tgt Ion:168 Resp: 114321

Ion Ratio Lower Upper

168 100

99 65.8 54.9 82.3



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.191 ug/l

RT: 2.349 min Scan# 207

Delta R.T. 0.000 min

Lab File: VX046598.D

Acq: 10 Jun 2025 13:34

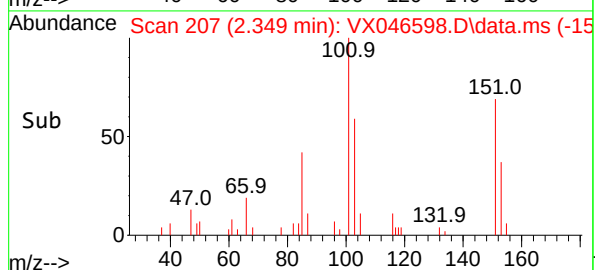
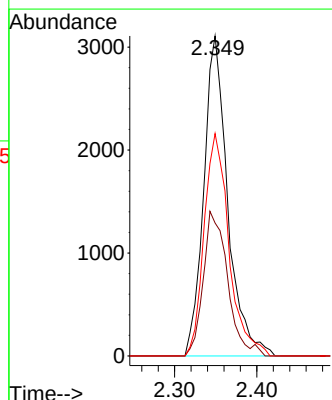
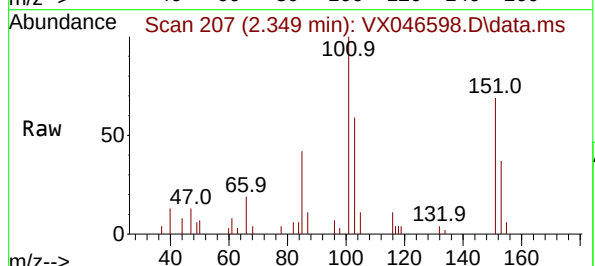
Tgt Ion:101 Resp: 6291

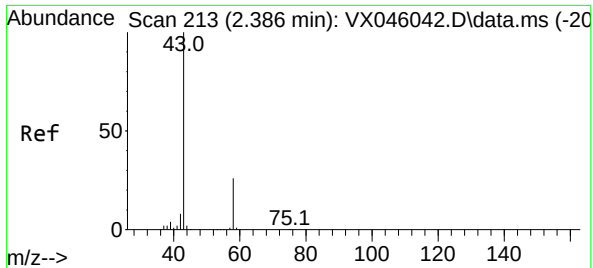
Ion Ratio Lower Upper

101 100

85 46.0 38.6 58.0

151 72.2 55.2 82.8

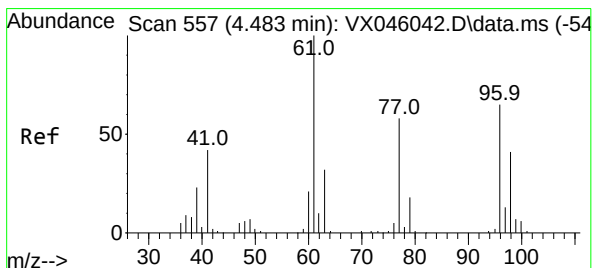
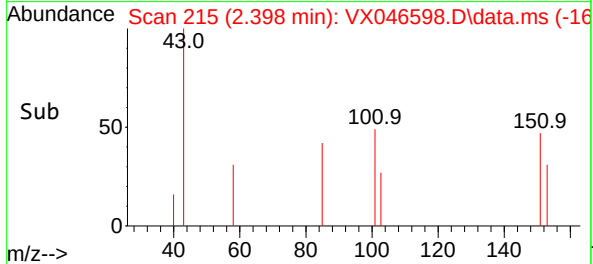
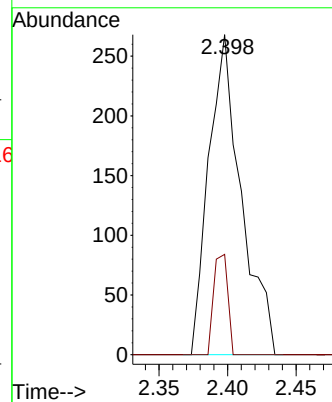
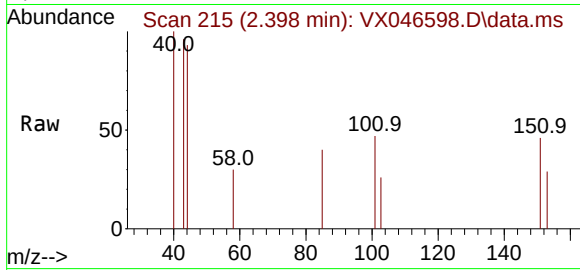




#16
Acetone
Concen: 5.138 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

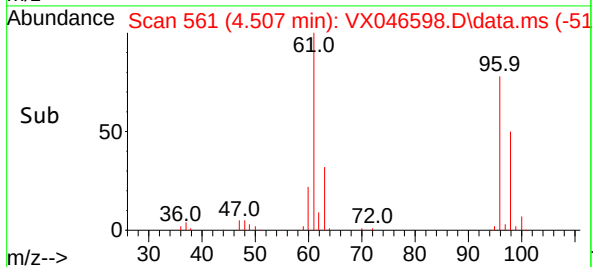
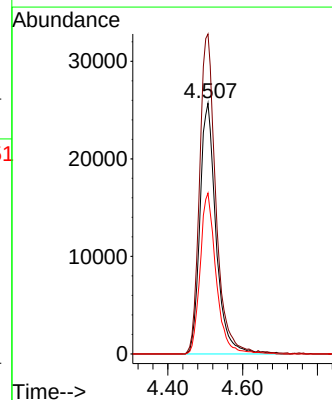
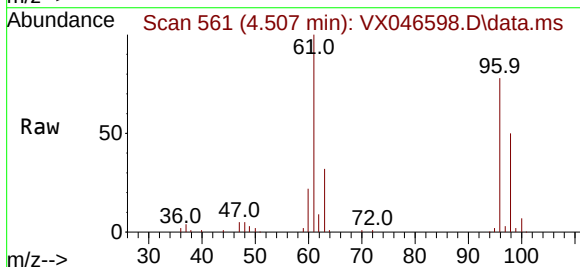
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-72-060425DL

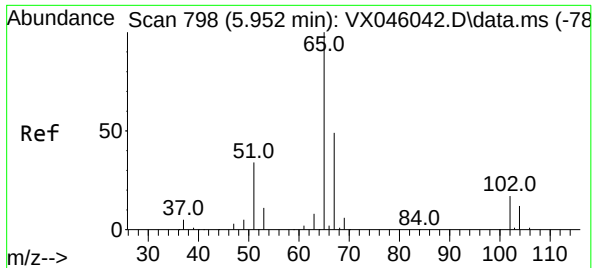
Tgt Ion: 43 Resp: 442
Ion Ratio Lower Upper
43 100
58 31.3 21.2 31.8



#27
cis-1,2-Dichloroethene
Concen: 43.427 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.000 min
Lab File: VX046598.D
Acq: 10 Jun 2025 13:34

Tgt Ion: 96 Resp: 76787
Ion Ratio Lower Upper
96 100
61 128.5 0.0 322.8
98 63.8 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 46.279 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.006 min

Lab File: VX046598.D

Acq: 10 Jun 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

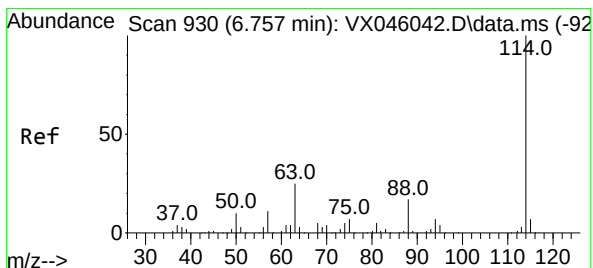
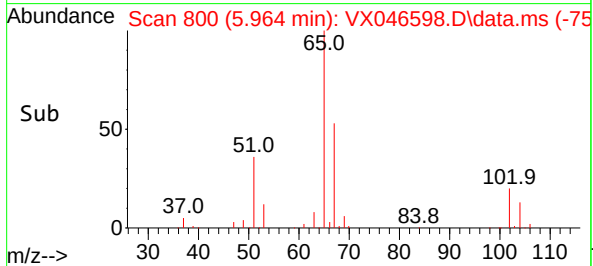
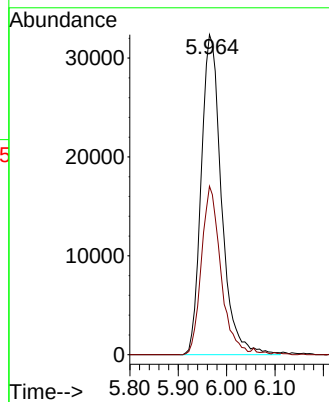
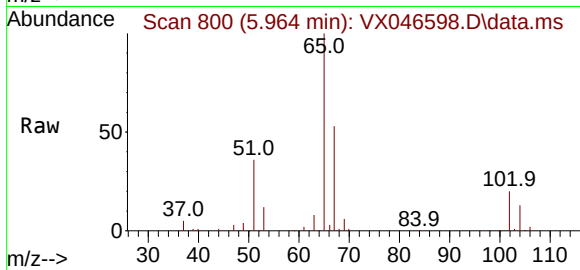
MW-19B-72-060425DL

Tgt Ion: 65 Resp: 94127

Ion Ratio Lower Upper

65 100

67 50.4 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.006 min

Lab File: VX046598.D

Acq: 10 Jun 2025 13:34

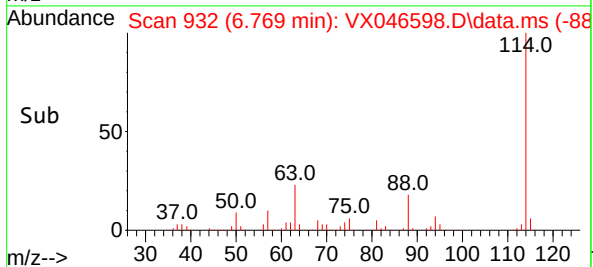
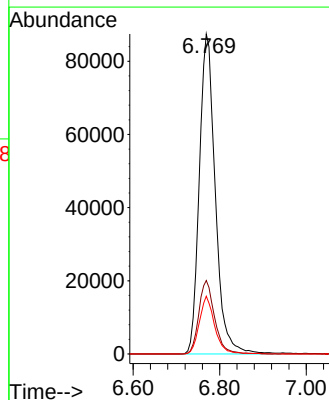
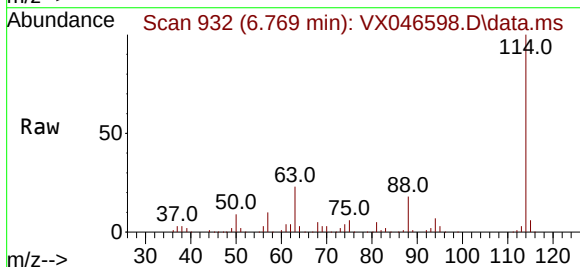
Tgt Ion: 114 Resp: 223942

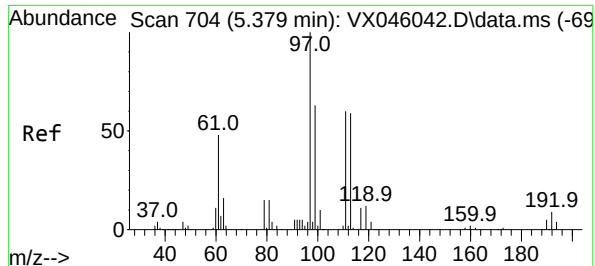
Ion Ratio Lower Upper

114 100

63 23.0 0.0 49.2

88 18.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 48.121 ug/l

RT: 5.397 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX046598.D

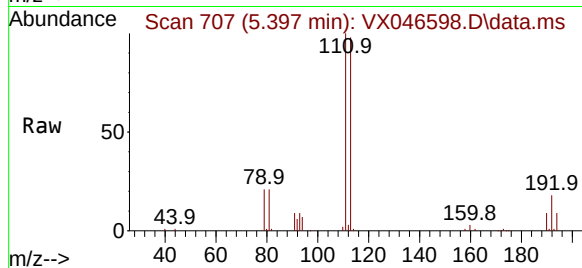
Acq: 10 Jun 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

MW-19B-72-060425DL



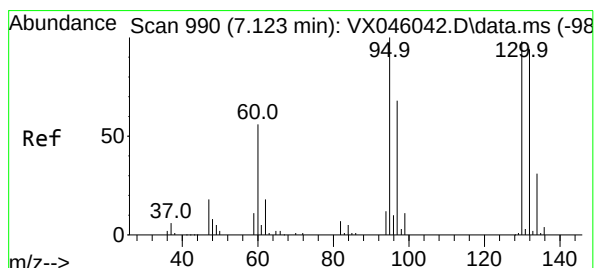
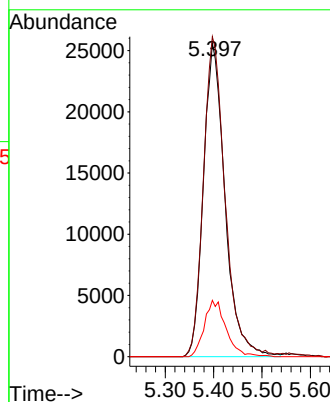
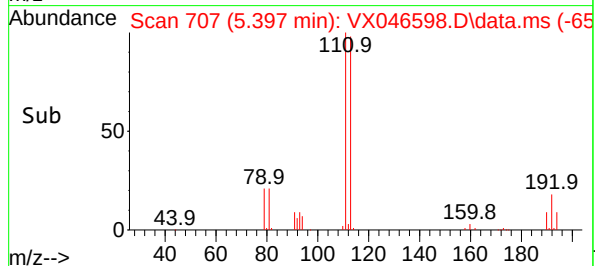
Tgt Ion:113 Resp: 79249

Ion Ratio Lower Upper

113 100

111 102.6 83.1 124.7

192 18.2 13.3 19.9



#44

Trichloroethene

Concen: 34.470 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.000 min

Lab File: VX046598.D

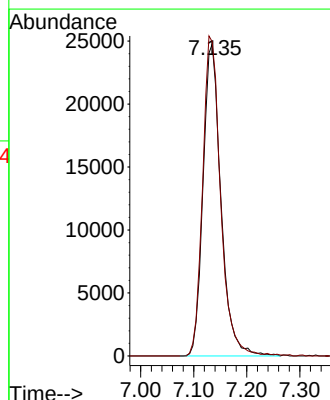
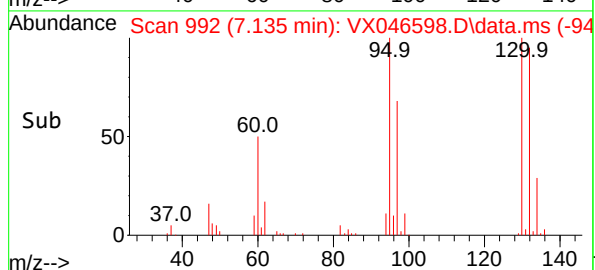
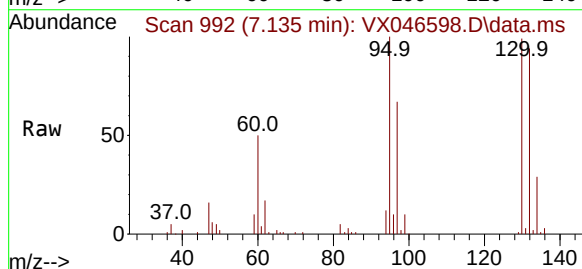
Acq: 10 Jun 2025 13:34

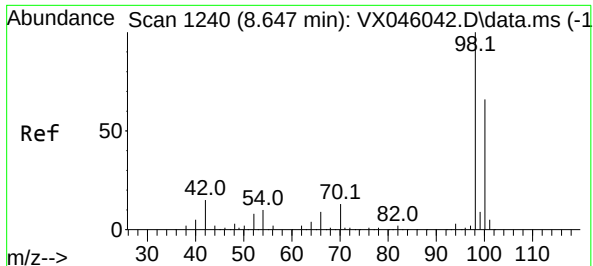
Tgt Ion:130 Resp: 58002

Ion Ratio Lower Upper

130 100

95 100.8 0.0 204.2





#50

Toluene-d8

Concen: 54.783 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046598.D

Acq: 10 Jun 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

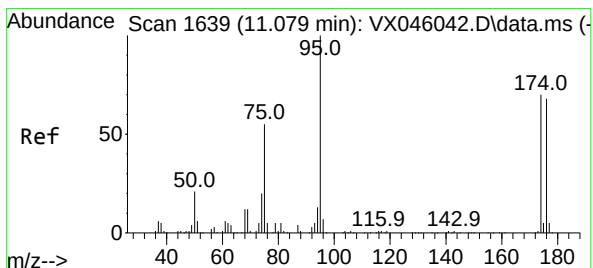
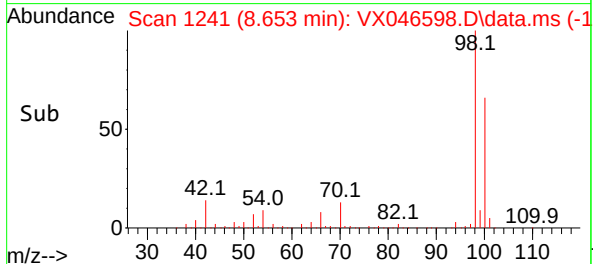
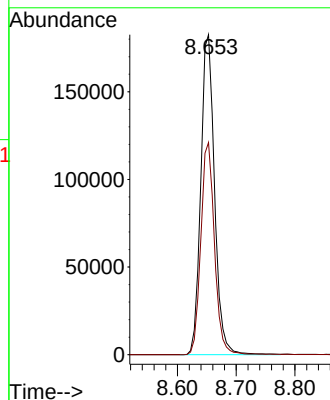
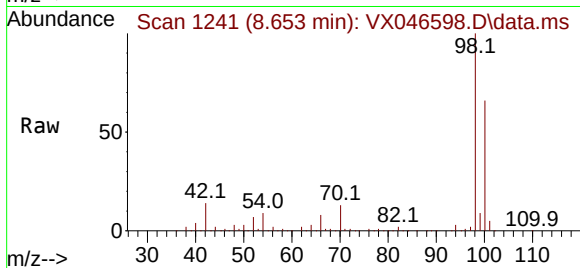
MW-19B-72-060425DL

Tgt Ion: 98 Resp: 297442

Ion Ratio Lower Upper

98 100

100 65.8 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 54.537 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046598.D

Acq: 10 Jun 2025 13:34

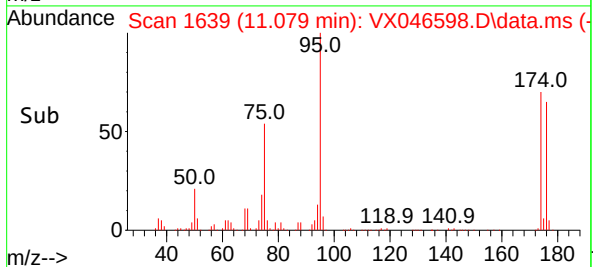
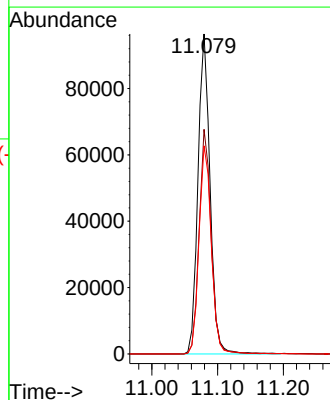
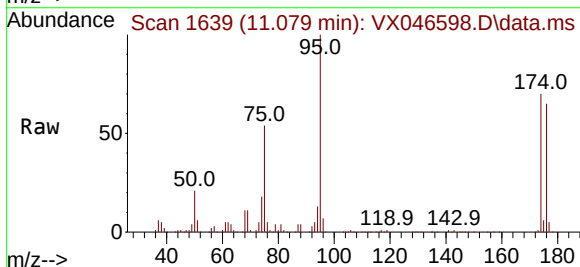
Tgt Ion: 95 Resp: 122514

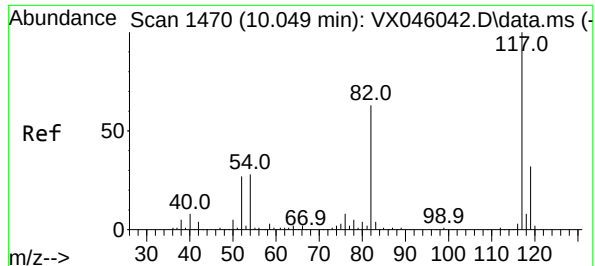
Ion Ratio Lower Upper

95 100

174 69.7 0.0 135.8

176 66.2 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX046598.D

Acq: 10 Jun 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

MW-19B-72-060425DL

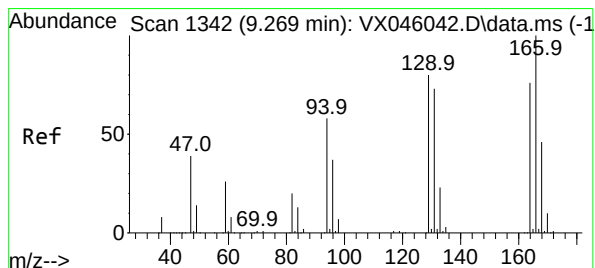
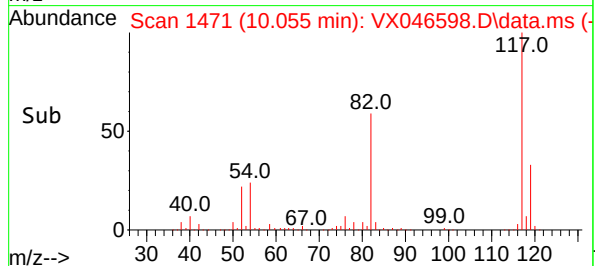
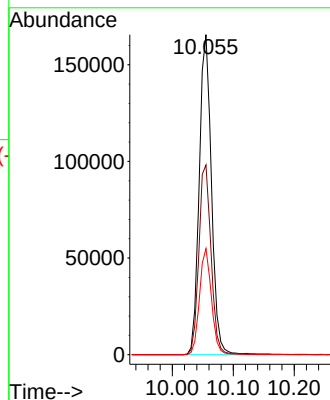
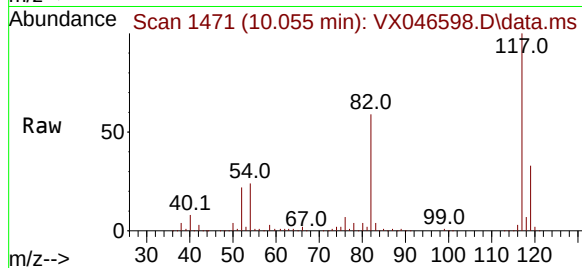
Tgt Ion:117 Resp: 230937

Ion Ratio Lower Upper

117 100

82 59.3 50.6 76.0

119 33.1 25.8 38.6



#64

Tetrachloroethene

Concen: 1.791 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX046598.D

Acq: 10 Jun 2025 13:34

Tgt Ion:164 Resp: 2766

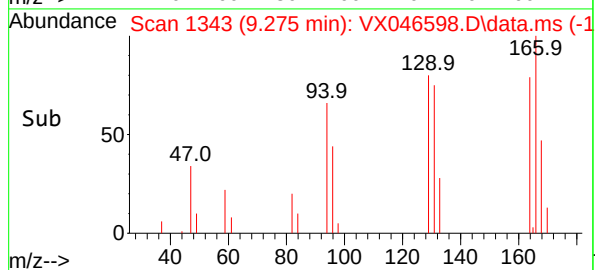
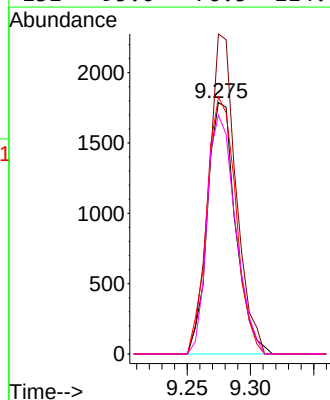
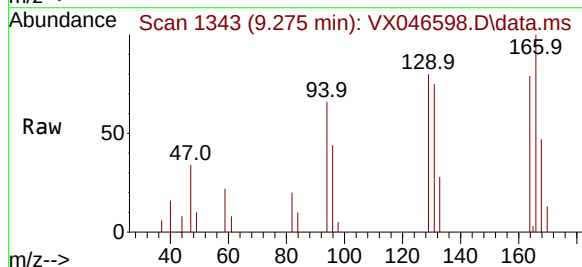
Ion Ratio Lower Upper

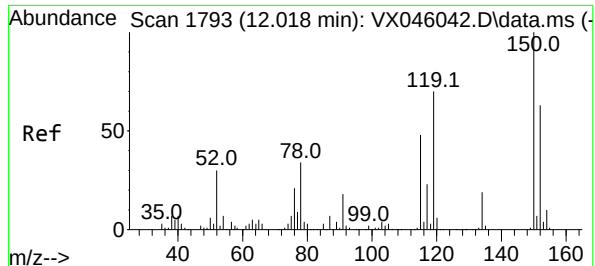
164 100

166 127.3 105.0 157.6

129 102.2 83.5 125.3

131 95.0 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX046598.D

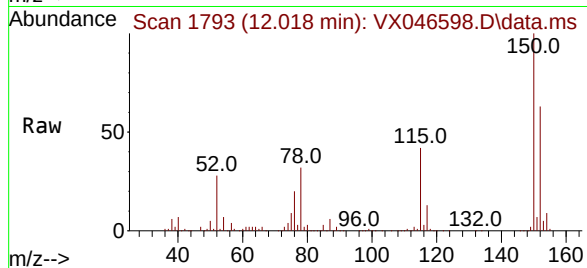
Acq: 10 Jun 2025 13:34

Instrument :

MSVOA_X

ClientSampleId :

MW-19B-72-060425DL



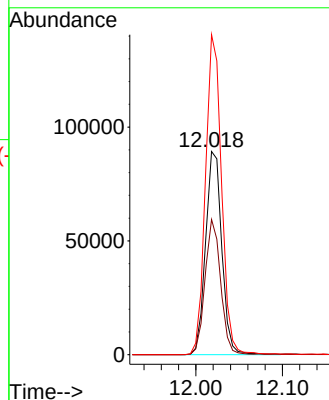
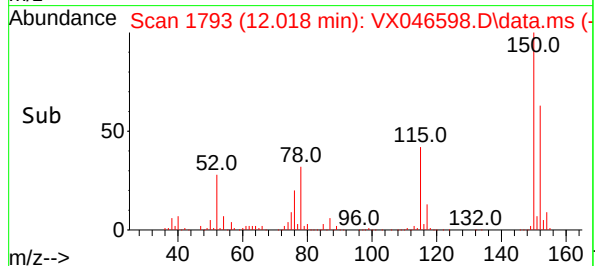
Tgt Ion:152 Resp: 116361

Ion Ratio Lower Upper

152 100

115 64.4 46.9 140.7

150 155.8 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046588.D
 Acq On : 10 Jun 2025 09:57
 Operator : JC/MD
 Sample : VX0610WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBL01

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 11 01:42:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	106110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	211553	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	94499	50.058	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.120%	
35) Dibromofluoromethane	5.397	113	77970	50.117	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.240%	
50) Toluene-d8	8.647	98	278481	54.294	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.580%	
62) 4-Bromofluorobenzene	11.079	95	116202	54.757	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.520%	

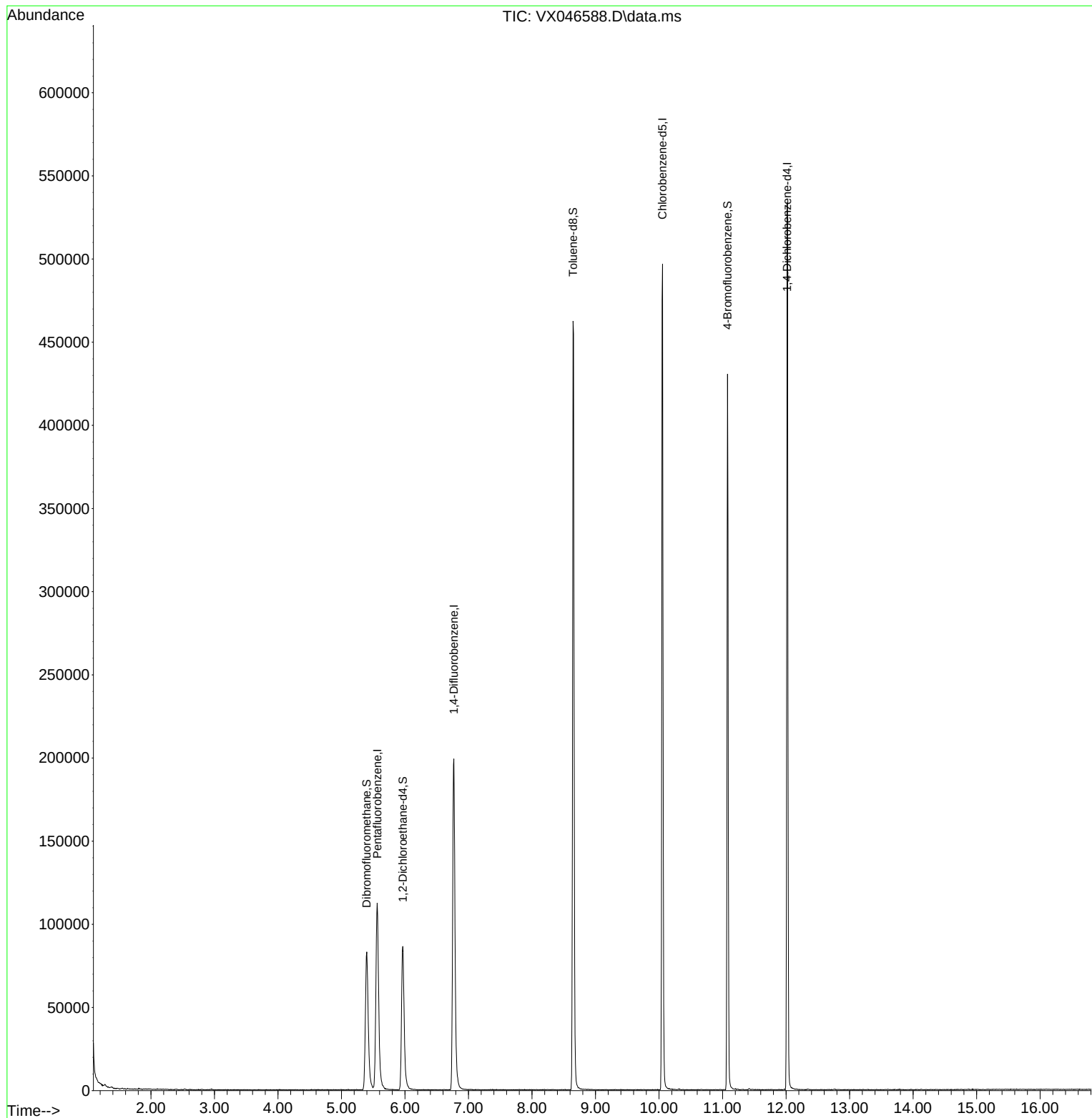
Target Compounds	Qvalue

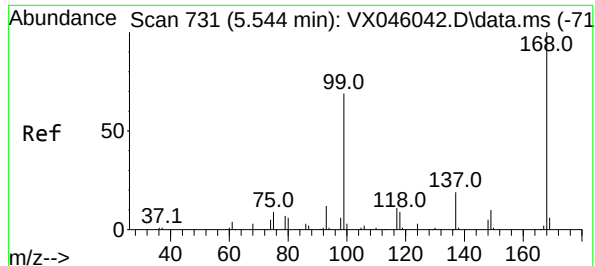
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046588.D
Acq On : 10 Jun 2025 09:57
Operator : JC/MD
Sample : VX0610WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBL01

Quant Time: Jun 11 01:42:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX046588.D

Acq: 10 Jun 2025 09:57

Instrument :

MSVOA_X

ClientSampleId :

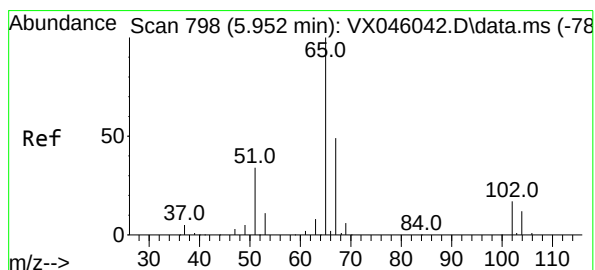
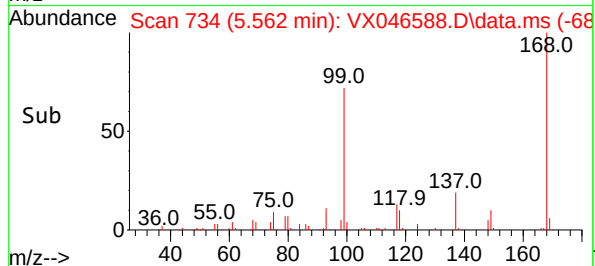
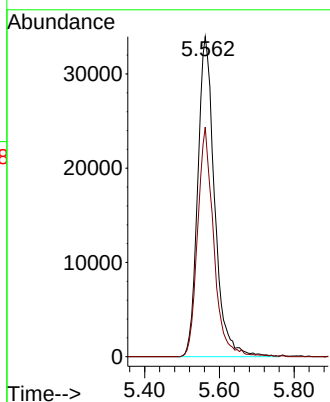
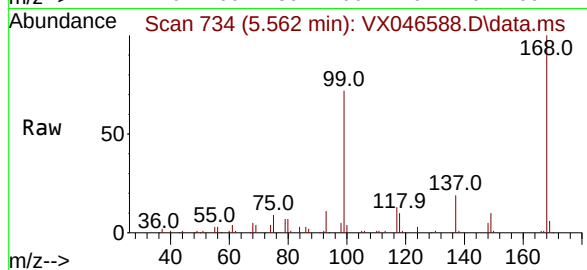
VX0610WBL01

Tgt Ion:168 Resp: 106110

Ion Ratio Lower Upper

168 100

99 71.7 54.9 82.3



#33

1,2-Dichloroethane-d4

Concen: 50.058 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.006 min

Lab File: VX046588.D

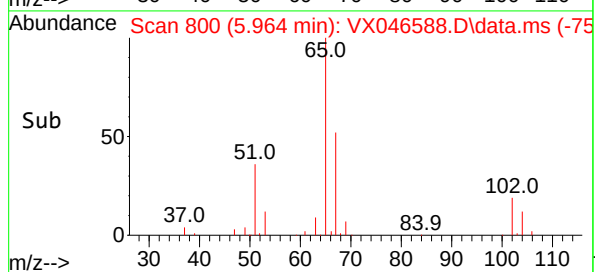
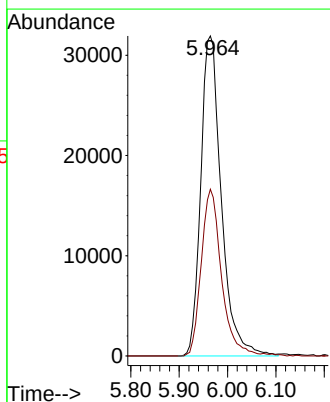
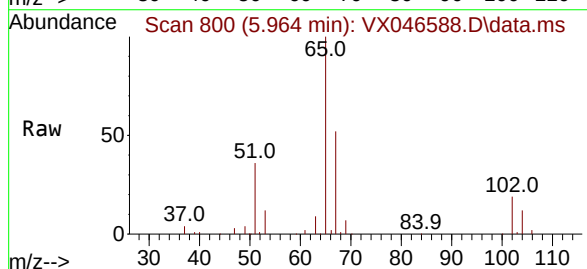
Acq: 10 Jun 2025 09:57

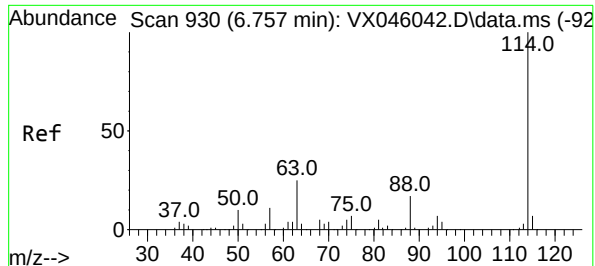
Tgt Ion: 65 Resp: 94499

Ion Ratio Lower Upper

65 100

67 51.0 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX046588.D

Acq: 10 Jun 2025 09:57

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBL01

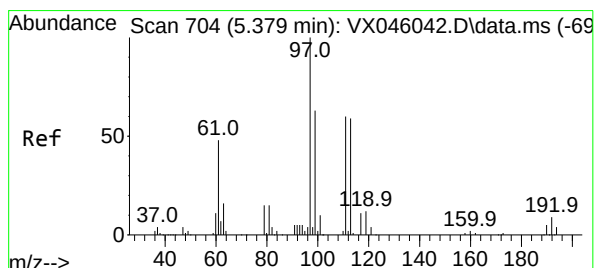
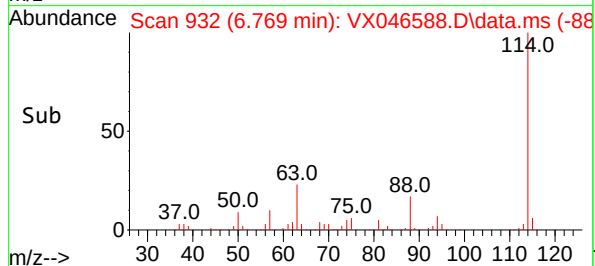
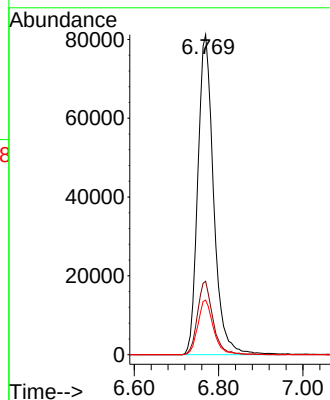
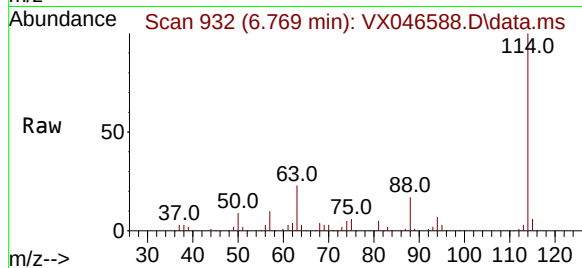
Tgt Ion:114 Resp: 211553

Ion Ratio Lower Upper

114 100

63 23.0 0.0 49.2

88 17.1 0.0 33.6



#35

Dibromofluoromethane

Concen: 50.117 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.006 min

Lab File: VX046588.D

Acq: 10 Jun 2025 09:57

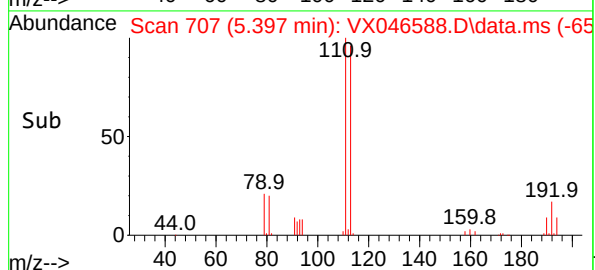
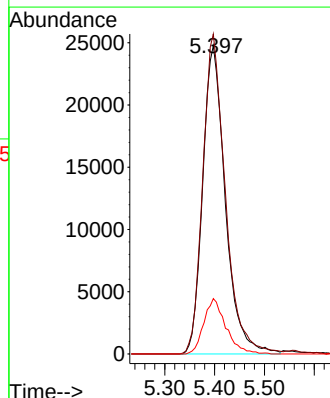
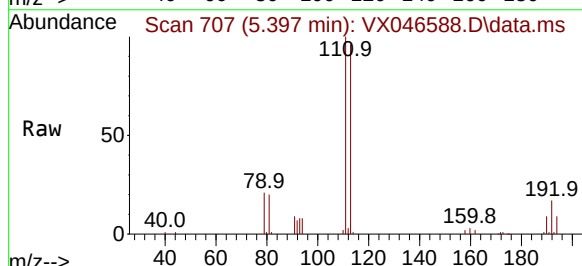
Tgt Ion:113 Resp: 77970

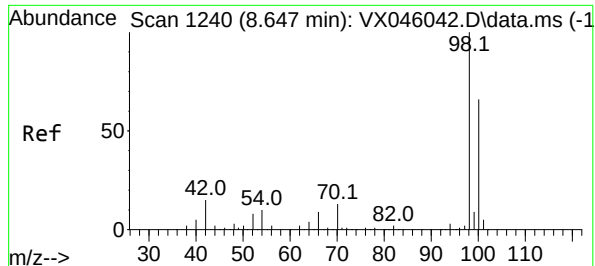
Ion Ratio Lower Upper

113 100

111 103.7 83.1 124.7

192 17.6 13.3 19.9





#50

Toluene-d8

Concen: 54.294 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX046588.D

Acq: 10 Jun 2025 09:57

Instrument :

MSVOA_X

ClientSampleId :

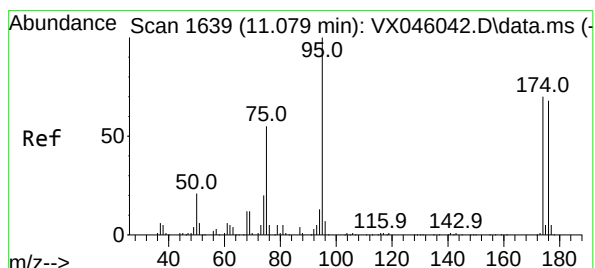
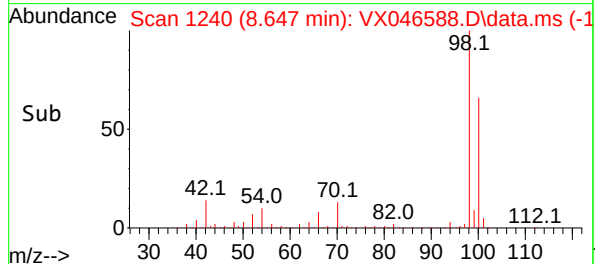
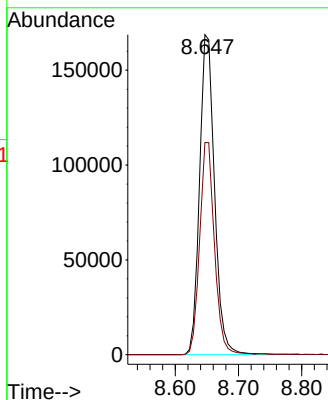
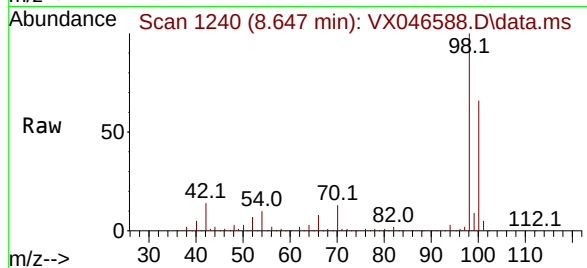
VX0610WBL01

Tgt Ion: 98 Resp: 278481

Ion Ratio Lower Upper

98 100

100 65.6 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 54.757 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046588.D

Acq: 10 Jun 2025 09:57

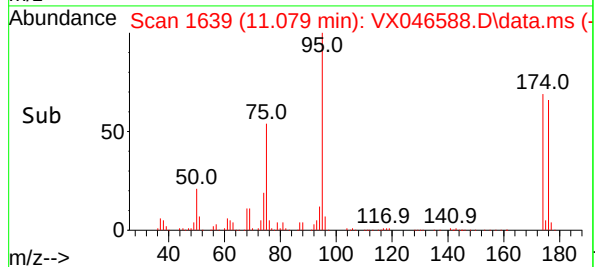
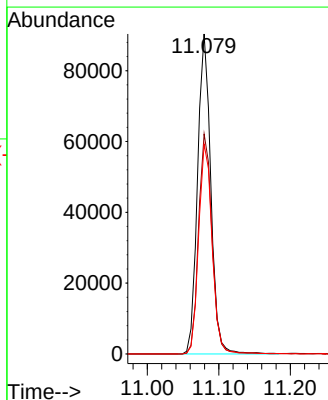
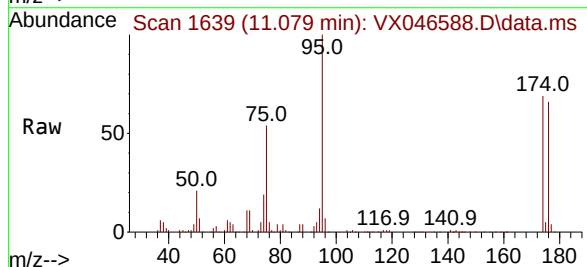
Tgt Ion: 95 Resp: 116202

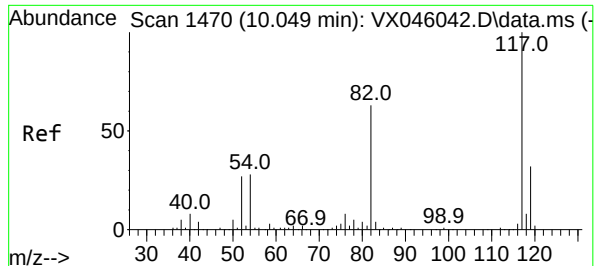
Ion Ratio Lower Upper

95 100

174 70.0 0.0 135.8

176 66.7 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX046588.D

Acq: 10 Jun 2025 09:57

Instrument :

MSVOA_X

ClientSampleId :

VX0610WBL01

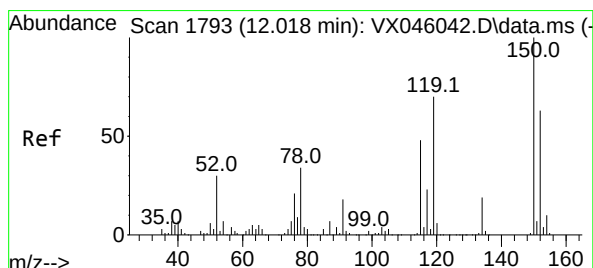
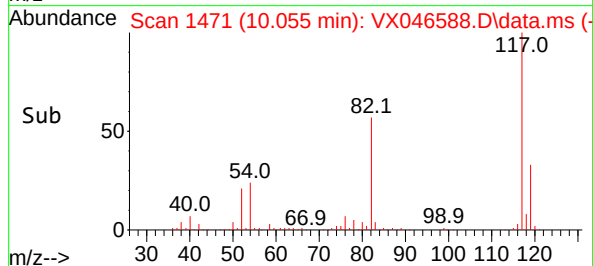
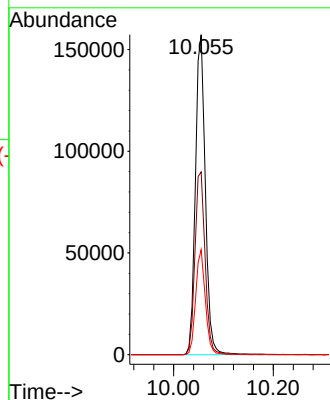
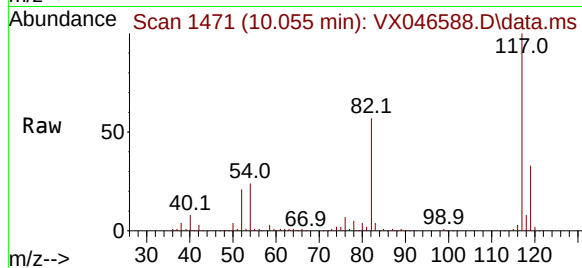
Tgt Ion:117 Resp: 217338

Ion Ratio Lower Upper

117 100

82 57.1 50.6 76.0

119 32.8 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX046588.D

Acq: 10 Jun 2025 09:57

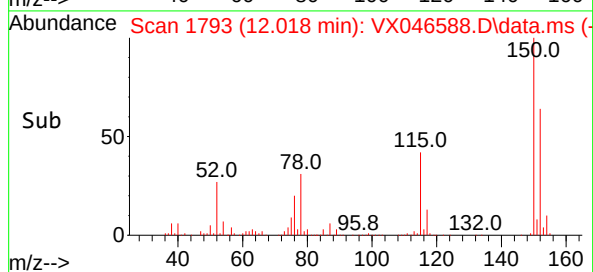
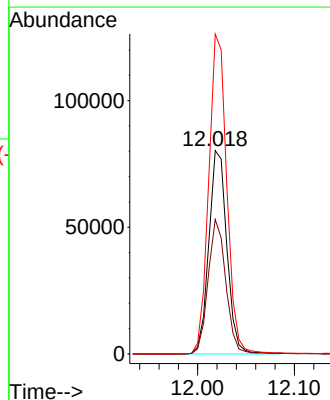
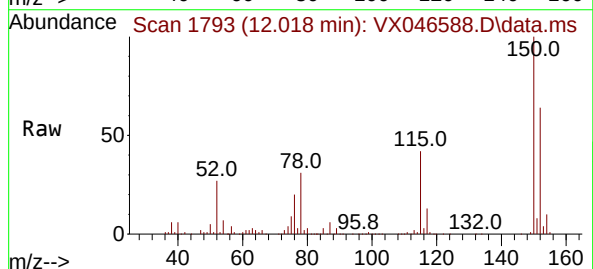
Tgt Ion:152 Resp: 104374

Ion Ratio Lower Upper

152 100

115 65.3 46.9 140.7

150 157.8 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046589.D
 Acq On : 10 Jun 2025 10:18
 Operator : JC/MD
 Sample : VX0610WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS01

Quant Time: Jun 11 01:42:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	84052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	143506	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	70828	47.365	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.720%			
35) Dibromofluoromethane	5.397	113	55906	52.974	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.940%			
50) Toluene-d8	8.647	98	179208	51.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.020%			
62) 4-Bromofluorobenzene	11.079	95	76446	53.104	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.185	85	21364	18.308	ug/l	100
3) Chloromethane	1.307	50	19522	18.380	ug/l	96
4) Vinyl Chloride	1.386	62	19755	18.658	ug/l	95
5) Bromomethane	1.630	94	12259	19.072	ug/l	100
6) Chloroethane	1.703	64	11361	16.538	ug/l #	87
7) Trichlorofluoromethane	1.904	101	31526	17.996	ug/l	97
8) Diethyl Ether	2.148	74	10811	17.466	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.343	101	21056	19.078	ug/l	95
10) Methyl Iodide	2.465	142	24545	20.515	ug/l	96
11) Tert butyl alcohol	2.959	59	11873	71.554	ug/l	97
12) 1,1-Dichloroethene	2.337	96	19187	19.227	ug/l	85
13) Acrolein	2.251	56	15557	98.221	ug/l	100
14) Allyl chloride	2.684	41	34982	17.850	ug/l	93
15) Acrylonitrile	3.075	53	58538	93.306	ug/l	98
16) Acetone	2.392	43	44483	78.955	ug/l	93
17) Carbon Disulfide	2.526	76	39330	18.689	ug/l	99
18) Methyl Acetate	2.715	43	32974	18.512	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	70651	20.234	ug/l	98
20) Methylene Chloride	2.806	84	22844	19.042	ug/l	92
21) trans-1,2-Dichloroethene	3.105	96	20405	19.322	ug/l	93
22) Diisopropyl ether	3.776	45	81863	21.187	ug/l #	82
23) Vinyl Acetate	3.733	43	295594	99.089	ug/l	100
24) 1,1-Dichloroethane	3.629	63	43840	20.358	ug/l	98
25) 2-Butanone	4.568	43	72292	86.843	ug/l	98
26) 2,2-Dichloropropane	4.489	77	32929	20.598	ug/l	98
27) cis-1,2-Dichloroethene	4.507	96	26773	20.594	ug/l	95
28) Bromochloromethane	4.916	49	20852	20.302	ug/l	99
29) Tetrahydrofuran	5.019	42	45988	87.477	ug/l	100
30) Chloroform	5.105	83	47450	21.029	ug/l	99
31) Cyclohexane	5.483	56	33142	19.064	ug/l	89
32) 1,1,1-Trichloroethane	5.397	97	39813	20.627	ug/l	97
36) 1,1-Dichloropropene	5.702	75	29838	19.793	ug/l	99
37) Ethyl Acetate	4.733	43	29233	19.869	ug/l	98
38) Carbon Tetrachloride	5.690	117	34504	20.435	ug/l	99
39) Methylcyclohexane	7.385	83	34288	19.270	ug/l	99
40) Benzene	6.050	78	88942	20.958	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046589.D
 Acq On : 10 Jun 2025 10:18
 Operator : JC/MD
 Sample : VX0610WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:42:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	16637	18.209	ug/l	93
42) 1,2-Dichloroethane	6.098	62	36740	20.810	ug/l	99
43) Isopropyl Acetate	6.348	43	49580	19.330	ug/l	100
44) Trichloroethene	7.129	130	21670	20.097	ug/l	99
45) 1,2-Dichloropropane	7.433	63	23739	21.672	ug/l	99
46) Dibromomethane	7.586	93	17188	20.858	ug/l	98
47) Bromodichloromethane	7.824	83	37295	22.011	ug/l	95
48) Methyl methacrylate	7.696	41	25179	19.079	ug/l	95
49) 1,4-Dioxane	7.659	88	6473	366.785	ug/l #	90
51) 4-Methyl-2-Pentanone	8.573	43	160847	98.684	ug/l	100
52) Toluene	8.720	92	55219	21.179	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	31694	20.862	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	35775	21.180	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	22559	21.553	ug/l	95
56) Ethyl methacrylate	9.116	69	32654	20.274	ug/l	95
57) 1,3-Dichloropropane	9.311	76	39081	21.129	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	81610	93.023	ug/l	98
59) 2-Hexanone	9.433	43	111008	94.963	ug/l	99
60) Dibromochloromethane	9.518	129	27795	22.577	ug/l	97
61) 1,2-Dibromoethane	9.610	107	22620	20.739	ug/l	98
64) Tetrachloroethene	9.275	164	17851	20.312	ug/l	94
65) Chlorobenzene	10.079	112	62603	20.253	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	22301	21.351	ug/l	99
67) Ethyl Benzene	10.195	91	109725	20.334	ug/l	98
68) m/p-Xylenes	10.299	106	81525	41.649	ug/l	98
69) o-Xylene	10.640	106	40019	21.137	ug/l	98
70) Styrene	10.652	104	69335	21.393	ug/l	99
71) Bromoform	10.799	173	16884	21.200	ug/l #	99
73) Isopropylbenzene	10.963	105	108394	20.212	ug/l	99
74) N-amyl acetate	10.841	43	43808	18.549	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	34119	19.876	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	27186m	18.813	ug/l	
77) Bromobenzene	11.195	156	26036	20.916	ug/l	96
78) n-propylbenzene	11.305	91	129891	20.011	ug/l	100
79) 2-Chlorotoluene	11.366	91	78249	19.991	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	91704	20.520	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8748	17.463	ug/l	98
82) 4-Chlorotoluene	11.451	91	93212	20.090	ug/l	97
83) tert-Butylbenzene	11.713	119	92923	20.426	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	94205	20.838	ug/l	99
85) sec-Butylbenzene	11.890	105	119911	20.513	ug/l	100
86) p-Isopropyltoluene	12.006	119	98241	20.160	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	48297	19.981	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	49276	19.673	ug/l	98
89) n-Butylbenzene	12.329	91	95315	19.917	ug/l	99
90) Hexachloroethane	12.536	117	16834	19.436	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	48730	20.885	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6919	18.000	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	30939	19.438	ug/l	100
94) Hexachlorobutadiene	13.719	225	14378	19.438	ug/l	98
95) Naphthalene	13.774	128	98907	19.595	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	30702	19.237	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046589.D
Acq On : 10 Jun 2025 10:18
Operator : JC/MD
Sample : VX0610WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 11 01:42:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

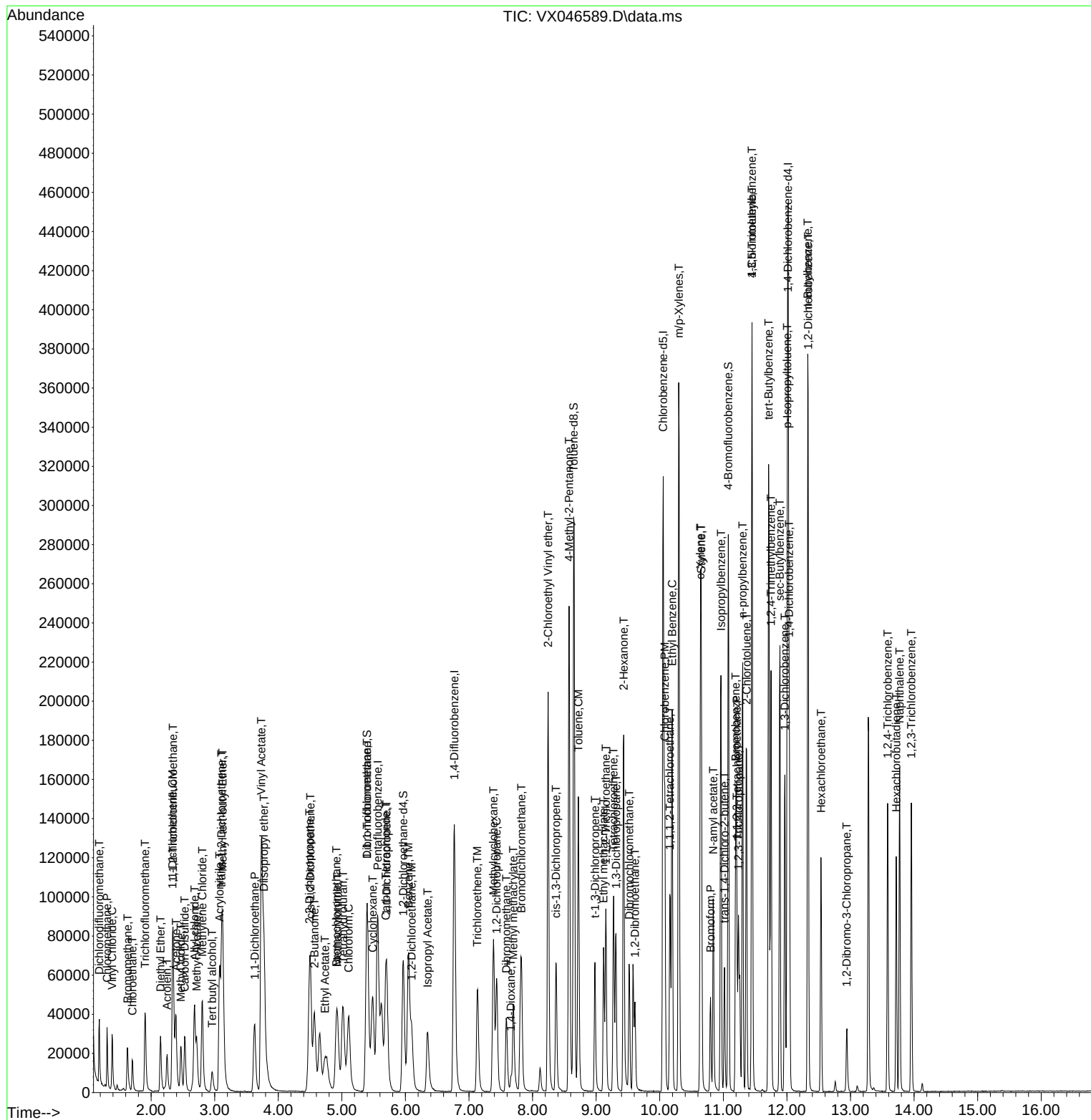
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046590.D
 Acq On : 10 Jun 2025 10:44
 Operator : JC/MD
 Sample : VX0610WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:43:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	79698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	139229	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65284	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.964	65	69863	49.272	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.540%
35) Dibromofluoromethane	5.391	113	53548	52.299	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.600%
50) Toluene-d8	8.647	98	172301	51.043	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.080%
62) 4-Bromofluorobenzene	11.079	95	73113	52.349	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.184	85	19714	17.817	ug/l	97
3) Chloromethane	1.306	50	17982	17.855	ug/l	94
4) Vinyl Chloride	1.386	62	19173	19.098	ug/l	96
5) Bromomethane	1.623	94	12029	19.736	ug/l	95
6) Chloroethane	1.703	64	11655	17.893	ug/l	96
7) Trichlorofluoromethane	1.904	101	32041	19.289	ug/l	97
8) Diethyl Ether	2.148	74	11524	19.635	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	20490	19.579	ug/l	95
10) Methyl Iodide	2.465	142	24020	21.173	ug/l	100
11) Tert butyl alcohol	2.959	59	12773	81.183	ug/l	97
12) 1,1-Dichloroethene	2.337	96	18698	19.761	ug/l	90
13) Acrolein	2.251	56	18334	114.790	ug/l	99
14) Allyl chloride	2.678	41	36552	19.670	ug/l	94
15) Acrylonitrile	3.074	53	59520	100.054	ug/l	99
16) Acetone	2.385	43	49623	92.079	ug/l	94
17) Carbon Disulfide	2.526	76	38042	19.061	ug/l	96
18) Methyl Acetate	2.715	43	34953	20.695	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	71303	21.536	ug/l	97
20) Methylene Chloride	2.800	84	22898	20.130	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	19750	19.723	ug/l	97
22) Diisopropyl ether	3.769	45	79532	21.708	ug/l #	68
23) Vinyl Acetate	3.733	43	295435	104.446	ug/l	100
24) 1,1-Dichloroethane	3.623	63	42302	20.717	ug/l	99
25) 2-Butanone	4.562	43	73687	93.355	ug/l	100
26) 2,2-Dichloropropane	4.495	77	31719	20.925	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	25251	20.484	ug/l	97
28) Bromochloromethane	4.903	49	20382	20.928	ug/l	100
29) Tetrahydrofuran	5.013	42	46579	93.442	ug/l	99
30) Chloroform	5.104	83	46110	21.552	ug/l	96
31) Cyclohexane	5.476	56	33496	20.320	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	38162	20.852	ug/l	97
36) 1,1-Dichloropropene	5.702	75	26610	18.194	ug/l	97
37) Ethyl Acetate	4.720	43	29636	20.762	ug/l	99
38) Carbon Tetrachloride	5.690	117	32421	19.791	ug/l	97
39) Methylcyclohexane	7.385	83	33599	19.463	ug/l	98
40) Benzene	6.049	78	84785	20.592	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046590.D
 Acq On : 10 Jun 2025 10:44
 Operator : JC/MD
 Sample : VX0610WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:43:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	17305	19.522	ug/l	94
42) 1,2-Dichloroethane	6.092	62	35332	20.627	ug/l	97
43) Isopropyl Acetate	6.342	43	49240	19.787	ug/l	99
44) Trichloroethene	7.128	130	20662	19.751	ug/l	97
45) 1,2-Dichloropropane	7.433	63	22717	21.376	ug/l	100
46) Dibromomethane	7.586	93	16680	20.863	ug/l	97
47) Bromodichloromethane	7.824	83	36402	22.144	ug/l	100
48) Methyl methacrylate	7.695	41	25589	19.986	ug/l	94
49) 1,4-Dioxane	7.659	88	6531	381.440	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	160533	101.517	ug/l	100
52) Toluene	8.720	92	53830	21.281	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	31270	21.215	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	35060	21.394	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	22637	22.292	ug/l	98
56) Ethyl methacrylate	9.116	69	33471	21.419	ug/l	95
57) 1,3-Dichloropropane	9.311	76	39409	21.961	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	80781	94.906	ug/l	99
59) 2-Hexanone	9.427	43	109874	96.880	ug/l	98
60) Dibromochloromethane	9.518	129	26619	22.286	ug/l	97
61) 1,2-Dibromoethane	9.610	107	22947	21.686	ug/l	99
64) Tetrachloroethene	9.274	164	16706	19.779	ug/l	97
65) Chlorobenzene	10.079	112	60350	20.315	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	22060	21.975	ug/l	99
67) Ethyl Benzene	10.195	91	106184	20.474	ug/l	98
68) m/p-Xylenes	10.299	106	79852	42.445	ug/l	99
69) o-Xylene	10.640	106	38136	20.958	ug/l	100
70) Styrene	10.652	104	67308	21.609	ug/l	98
71) Bromoform	10.799	173	16667	21.775	ug/l #	96
73) Isopropylbenzene	10.963	105	105188	20.497	ug/l	99
74) N-amyl acetate	10.841	43	43899	19.424	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	33998	20.697	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	27348m	19.777	ug/l	
77) Bromobenzene	11.195	156	25071	21.047	ug/l	95
78) n-propylbenzene	11.305	91	123754	19.923	ug/l	99
79) 2-Chlorotoluene	11.359	91	75334	20.112	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	88592	20.716	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	9083	18.948	ug/l	96
82) 4-Chlorotoluene	11.451	91	88877	20.018	ug/l	98
83) tert-Butylbenzene	11.713	119	89858	20.641	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	88738	20.512	ug/l	99
85) sec-Butylbenzene	11.890	105	113499	20.290	ug/l	100
86) p-Isopropyltoluene	12.006	119	94330	20.228	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	47031	20.333	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	48118	20.076	ug/l	98
89) n-Butylbenzene	12.329	91	91794	20.045	ug/l	99
90) Hexachloroethane	12.536	117	16304	19.671	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	46557	20.852	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	6753	18.358	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	30842	20.249	ug/l	97
94) Hexachlorobutadiene	13.725	225	13499	19.071	ug/l	96
95) Naphthalene	13.774	128	95309	19.732	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	29998	19.642	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046590.D
Acq On : 10 Jun 2025 10:44
Operator : JC/MD
Sample : VX0610WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 11 01:43:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

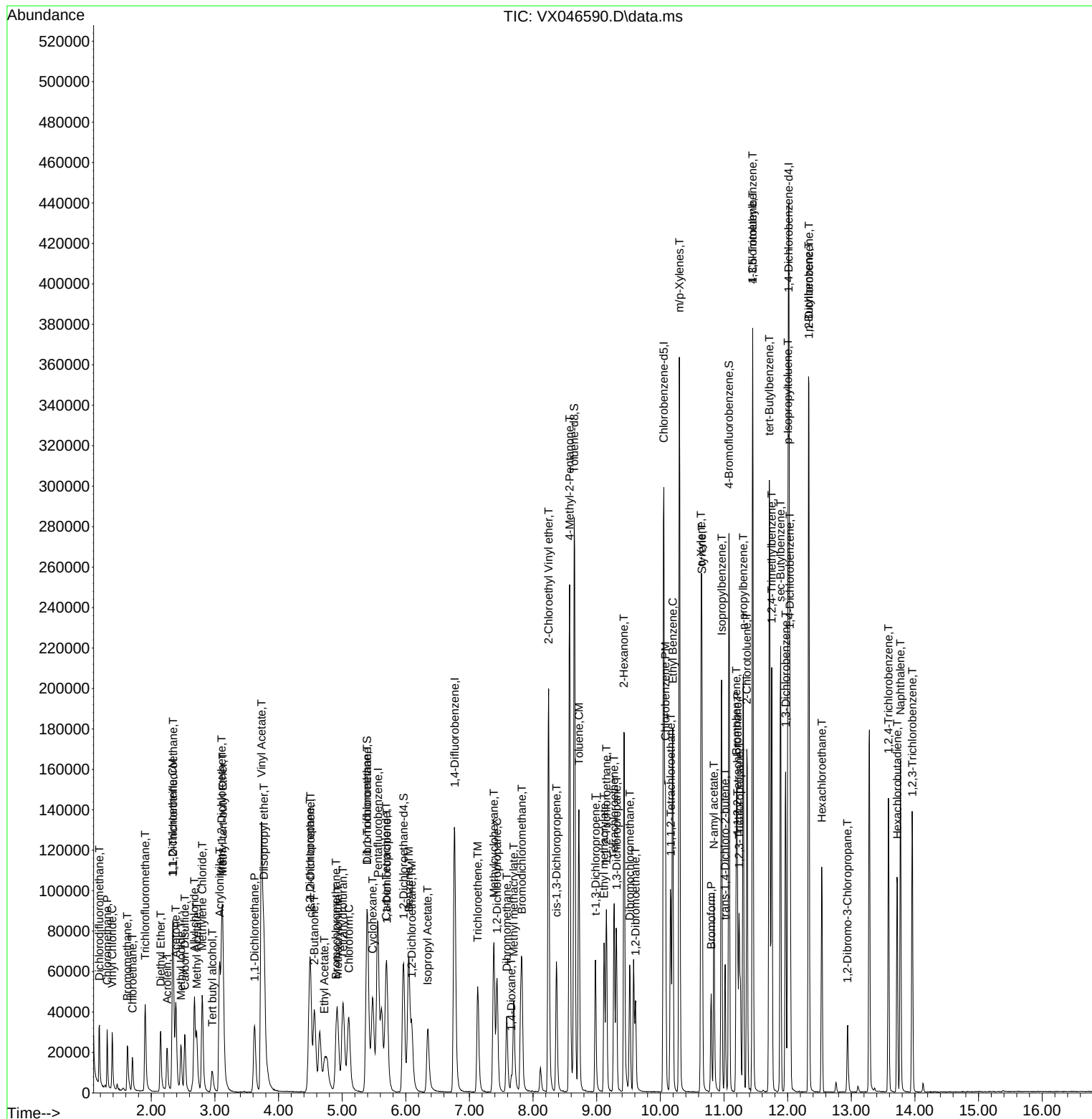
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX0610WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



Manual Integration Report

Sequence:	VX060625	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VX046518.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:36 PM	MMDadoda	6/9/2025 1:14:56 PM	Peak Integrated by Software
VSTDIC020	VX046519.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:40 PM	MMDadoda	6/9/2025 1:14:59 PM	Peak Integrated by Software
VSTDIC050	VX046520.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:44 PM	MMDadoda	6/9/2025 1:15:03 PM	Peak Integrated by Software
VSTDIC100	VX046521.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:48 PM	MMDadoda	6/9/2025 1:15:08 PM	Peak Integrated by Software
VSTDIC150	VX046522.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:52 PM	MMDadoda	6/9/2025 1:15:37 PM	Peak Integrated by Software
VSTDIC001	VX046524.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:08:38 AM	MMDadoda	6/9/2025 1:15:41 PM	Peak Integrated by Software
VSTDIC001	VX046524.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:08:38 AM	MMDadoda	6/9/2025 1:15:41 PM	Peak Integrated by Software
VSTDIC001	VX046524.D	Ethyl Acetate	JOHN	6/9/2025 8:08:38 AM	MMDadoda	6/9/2025 1:15:41 PM	Peak Integrated by Software
VSTDICV050	VX046525.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:26:01 PM	MMDadoda	6/9/2025 1:16:01 PM	Peak Integrated by Software
VSTDCCC050	VX046544.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:10:18 AM	MMDadoda	6/9/2025 1:16:52 PM	Peak Integrated by Software
VSTDCCC050	VX046546.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:10:22 AM	MMDadoda	6/9/2025 1:16:54 PM	Peak Integrated by Software
VSTDCCC050	VX046565.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:12:06 AM	Sam	6/9/2025 1:18:52 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VX060625	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:	VX061025	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046586.D	1,2,3-Trichloropropane	JOHN	6/11/2025 10:01:36 AM	MMDadoda	6/11/2025 11:13:23 AM	Peak Integrated by Software
VX0610WBS01	VX046589.D	1,2,3-Trichloropropane	JOHN	6/11/2025 10:01:43 AM	MMDadoda	6/11/2025 11:13:26 AM	Peak Integrated by Software
VX0610WBSD0 1	VX046590.D	1,2,3-Trichloropropane	JOHN	6/11/2025 10:01:48 AM	MMDadoda	6/11/2025 11:13:29 AM	Peak Integrated by Software
VSTDCCC050	VX046612.D	1,2,3-Trichloropropane	JOHN	6/11/2025 10:02:50 AM	MMDadoda	6/11/2025 11:13:46 AM	Peak Integrated by Software
VSTDICC005	VX046614.D	1,1,1-Trichloroethane	JOHN	6/11/2025 10:02:54 AM	MMDadoda	6/11/2025 11:13:49 AM	Peak Integrated by Software
VSTDICC005	VX046614.D	1,1-Dichloropropene	JOHN	6/11/2025 10:02:54 AM	MMDadoda	6/11/2025 11:13:49 AM	Peak Integrated by Software
VSTDICC005	VX046614.D	1,2,3-Trichloropropane	JOHN	6/11/2025 10:02:54 AM	MMDadoda	6/11/2025 11:13:49 AM	Peak Integrated by Software
VSTDICC005	VX046614.D	1,2-Dibromoethane	JOHN	6/11/2025 10:02:54 AM	MMDadoda	6/11/2025 11:13:49 AM	Peak Integrated by Software
VSTDICC005	VX046614.D	1,2-Dichloropropane	JOHN	6/11/2025 10:02:54 AM	MMDadoda	6/11/2025 11:13:49 AM	Peak Integrated by Software
VSTDICC005	VX046614.D	Acrolein	JOHN	6/11/2025 10:02:54 AM	MMDadoda	6/11/2025 11:13:49 AM	Peak Integrated by Software
VSTDICC005	VX046614.D	Diethyl Ether	JOHN	6/11/2025 10:02:54 AM	MMDadoda	6/11/2025 11:13:49 AM	Peak Integrated by Software
VSTDICC005	VX046614.D	Methyl methacrylate	JOHN	6/11/2025 10:02:54 AM	MMDadoda	6/11/2025 11:13:49 AM	Peak Integrated by Software
VSTDICCC020	VX046615.D	1,2,3-Trichloropropane	JOHN	6/11/2025 10:02:58 AM	MMDadoda	6/11/2025 11:13:51 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX061025	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC020	VX046615.D	Ethyl Acetate	JOHN	6/11/2025 10:02:58 AM	MMDadoda	6/11/2025 11:13:51 AM	Peak Integrated by Software
VSTDICCC050	VX046616.D	1,2,3-Trichloropropane	JOHN	6/11/2025 10:03:09 AM	MMDadoda	6/11/2025 11:13:53 AM	Peak Integrated by Software
VSTDICCC100	VX046617.D	1,2,3-Trichloropropane	JOHN	6/11/2025 10:03:14 AM	MMDadoda	6/11/2025 11:13:55 AM	Peak Integrated by Software
VSTDICCC100	VX046617.D	Ethyl Acetate	JOHN	6/11/2025 10:03:14 AM	MMDadoda	6/11/2025 11:13:55 AM	Peak Integrated by Software
VSTDICCC150	VX046618.D	1,2,3-Trichloropropane	JOHN	6/11/2025 10:03:18 AM	MMDadoda	6/11/2025 11:13:57 AM	Peak Integrated by Software
VSTDICCC150	VX046618.D	Ethyl Acetate	JOHN	6/11/2025 10:03:18 AM	MMDadoda	6/11/2025 11:13:57 AM	Peak Integrated by Software
VSTDICV020	VX046620.D	1,2,3-Trichloropropane	JOHN	6/11/2025 10:03:22 AM	MMDadoda	6/11/2025 11:13:59 AM	Peak Integrated by Software
VSTDICV020	VX046620.D	tert-Butyl Alcohol	JOHN	6/11/2025 10:03:22 AM	MMDadoda	6/11/2025 11:13:59 AM	Peak Integrated by Software
VSTDCCC020	VX046626.D	1,2,3-Trichloropropane	JOHN	6/11/2025 10:03:50 AM	MMDadoda	6/11/2025 11:14:07 AM	Peak Integrated by Software
VSTDCCC020	VX046626.D	Ethyl Acetate	JOHN	6/11/2025 10:03:50 AM	MMDadoda	6/11/2025 11:14:07 AM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM
SubDirectory	VX060625	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134153		
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240		
CCC	VP134154		
Internal Standard/PEM			
ICV/I.BLK	VP134241		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046516.D	06 Jun 2025 08:47	JC/MD	Ok
2	VSTDIC001	VX046517.D	06 Jun 2025 09:13	JC/MD	Not Ok
3	VSTDIC005	VX046518.D	06 Jun 2025 09:42	JC/MD	Ok,M
4	VSTDIC020	VX046519.D	06 Jun 2025 10:18	JC/MD	Ok,M
5	VSTDIC050	VX046520.D	06 Jun 2025 10:40	JC/MD	Ok,M
6	VSTDIC100	VX046521.D	06 Jun 2025 11:02	JC/MD	Ok,M
7	VSTDIC150	VX046522.D	06 Jun 2025 11:25	JC/MD	Ok,M
8	IBLK	VX046523.D	06 Jun 2025 11:47	JC/MD	Ok
9	VSTDIC001	VX046524.D	06 Jun 2025 12:57	JC/MD	Ok,M
10	VSTDICV050	VX046525.D	06 Jun 2025 14:11	JC/MD	Ok,M
11	VX0606MBL01	VX046526.D	06 Jun 2025 14:39	JC/MD	Ok
12	VX0606WBL01	VX046527.D	06 Jun 2025 15:02	JC/MD	Ok
13	VX0606WBS01	VX046528.D	06 Jun 2025 15:25	JC/MD	Ok,M
14	VX0606MBS01	VX046529.D	06 Jun 2025 15:51	JC/MD	Ok,M
15	Q2168-11MEDL	VX046530.D	06 Jun 2025 16:13	JC/MD	Ok
16	VX0606WBSD01	VX046531.D	06 Jun 2025 16:36	JC/MD	Ok,M
17	Q2194-02	VX046532.D	06 Jun 2025 16:58	JC/MD	Ok
18	Q2194-04	VX046533.D	06 Jun 2025 17:21	JC/MD	Ok
19	Q2207-09	VX046534.D	06 Jun 2025 17:43	JC/MD	Ok,M
20	Q2207-18	VX046535.D	06 Jun 2025 18:06	JC/MD	Ok,M
21	Q2207-27	VX046536.D	06 Jun 2025 18:28	JC/MD	Ok,M

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX060625

Review By	Maresh Dadoda	Review On	6/9/2025 1:15:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM
SubDirectory	VX060625	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134153		
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240		
CCC	VP134154		
Internal Standard/PEM			
ICV/I.BLK	VP134241		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2207-36	VX046537.D	06 Jun 2025 18:51	JC/MD	Ok,M
23	Q2207-45	VX046538.D	06 Jun 2025 19:13	JC/MD	Ok,M
24	Q2208-09	VX046539.D	06 Jun 2025 19:35	JC/MD	Ok,M
25	Q2208-18	VX046540.D	06 Jun 2025 19:58	JC/MD	Ok,M
26	Q2208-27	VX046541.D	06 Jun 2025 20:20	JC/MD	Ok,M
27	Q2208-36	VX046542.D	06 Jun 2025 20:42	JC/MD	Ok,M
28	Q2236-01	VX046543.D	06 Jun 2025 21:04	JC/MD	Not Ok
29	VSTDCCC050	VX046544.D	06 Jun 2025 21:26	JC/MD	Not Ok
30	BFB	VX046545.D	06 Jun 2025 23:59	JC/MD	Ok
31	VSTDCCC050	VX046546.D	07 Jun 2025 00:34	JC/MD	Ok,M
32	VX0606WBL02	VX046547.D	07 Jun 2025 01:17	JC/MD	Ok
33	VX0606WBS02	VX046548.D	07 Jun 2025 02:00	JC/MD	Ok,M
34	VX0606WBSD02	VX046549.D	07 Jun 2025 02:22	JC/MD	Ok,M
35	PB168312TB	VX046550.D	07 Jun 2025 02:43	JC/MD	Ok,M
36	PB168272TB	VX046551.D	07 Jun 2025 03:05	JC/MD	Ok,M
37	Q2236-05	VX046552.D	07 Jun 2025 03:26	JC/MD	ReRun
38	Q2236-09	VX046553.D	07 Jun 2025 03:48	JC/MD	ReRun
39	Q2236-13	VX046554.D	07 Jun 2025 04:09	JC/MD	Ok
40	Q2236-17	VX046555.D	07 Jun 2025 04:31	JC/MD	ReRun
41	Q2227-04	VX046556.D	07 Jun 2025 04:52	JC/MD	Ok,M
42	Q2228-04	VX046557.D	07 Jun 2025 05:14	JC/MD	ReRun
43	Q2235-01	VX046558.D	07 Jun 2025 05:36	JC/MD	ReRun
44	Q2240-04	VX046559.D	07 Jun 2025 05:57	JC/MD	ReRun

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX060625

Review By	Maresh Dadoda	Review On	6/9/2025 1:15:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM
SubDirectory	VX060625	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134153		
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240		
CCC	VP134154		
Internal Standard/PEM			
ICV/I.BLK	VP134241		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	Q2240-08	VX046560.D	07 Jun 2025 06:18	JC/MD	ReRun
46	Q2240-12	VX046561.D	07 Jun 2025 06:40	JC/MD	ReRun
47	Q2241-04	VX046562.D	07 Jun 2025 07:01	JC/MD	ReRun
48	Q2241-08	VX046563.D	07 Jun 2025 07:23	JC/MD	ReRun
49	Q2226-04	VX046564.D	07 Jun 2025 07:44	JC/MD	ReRun
50	VSTDCCC050	VX046565.D	07 Jun 2025 08:06	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX061025

Review By	John Carlone	Review On	6/11/2025 10:17:47 AM
Supervise By	Maresh Dadoda	Supervise On	6/11/2025 11:14:33 AM
SubDirectory	VX061025	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134200		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134201,VP134202		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046585.D	10 Jun 2025 08:36	JC/MD	Ok
2	VSTDCCC050	VX046586.D	10 Jun 2025 09:07	JC/MD	Ok,M
3	VX0610MBL01	VX046587.D	10 Jun 2025 09:36	JC/MD	Ok
4	VX0610WBL01	VX046588.D	10 Jun 2025 09:57	JC/MD	Ok
5	VX0610WBS01	VX046589.D	10 Jun 2025 10:18	JC/MD	Ok,M
6	VX0610WBSD01	VX046590.D	10 Jun 2025 10:44	JC/MD	Ok,M
7	Q2262-02	VX046591.D	10 Jun 2025 11:05	JC/MD	Ok
8	Q2262-04	VX046592.D	10 Jun 2025 11:27	JC/MD	Ok
9	IBLK	VX046593.D	10 Jun 2025 11:48	JC/MD	Ok
10	Q2230-01	VX046594.D	10 Jun 2025 12:09	JC/MD	Ok
11	Q2230-06	VX046595.D	10 Jun 2025 12:30	JC/MD	Ok
12	Q2233-01DL	VX046596.D	10 Jun 2025 12:51	JC/MD	Ok
13	Q2233-03DL	VX046597.D	10 Jun 2025 13:13	JC/MD	Ok
14	Q2233-04DL	VX046598.D	10 Jun 2025 13:34	JC/MD	Ok
15	Q2234-01DL	VX046599.D	10 Jun 2025 13:55	JC/MD	Ok
16	IBLK	VX046600.D	10 Jun 2025 14:16	JC/MD	Ok
17	Q2230-05	VX046601.D	10 Jun 2025 14:38	JC/MD	Ok,M
18	Q2230-02	VX046602.D	10 Jun 2025 14:59	JC/MD	Ok,M
19	Q2230-03MS	VX046603.D	10 Jun 2025 15:20	JC/MD	Not Ok
20	Q2230-04MSD	VX046604.D	10 Jun 2025 15:42	JC/MD	Not Ok
21	IBLK	VX046605.D	10 Jun 2025 16:03	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX061025

Review By	John Carlone	Review On	6/11/2025 10:17:47 AM
Supervise By	Maresh Dadoda	Supervise On	6/11/2025 11:14:33 AM
SubDirectory	VX061025	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134200		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134201,VP134202		

22	Q2249-01	VX046606.D	10 Jun 2025 16:24	JC/MD	Not Ok
23	IBLK	VX046607.D	10 Jun 2025 16:46	JC/MD	Ok
24	Q2233-01	VX046608.D	10 Jun 2025 17:07	JC/MD	Dilution
25	Q2233-03	VX046609.D	10 Jun 2025 17:28	JC/MD	Dilution
26	Q2233-04	VX046610.D	10 Jun 2025 17:50	JC/MD	Dilution
27	Q2234-01	VX046611.D	10 Jun 2025 18:11	JC/MD	Dilution
28	VSTDCCC050	VX046612.D	10 Jun 2025 18:53	JC/MD	Ok,M
29	BFB	VX046613.D	10 Jun 2025 19:57	JC/MD	Ok
30	VSTDICC005	VX046614.D	10 Jun 2025 20:19	JC/MD	Ok,M
31	VSTDICCC020	VX046615.D	10 Jun 2025 20:40	JC/MD	Ok,M
32	VSTDICC050	VX046616.D	10 Jun 2025 21:01	JC/MD	Ok,M
33	VSTDICC100	VX046617.D	10 Jun 2025 21:22	JC/MD	Ok,M
34	VSTDICC150	VX046618.D	10 Jun 2025 21:44	JC/MD	Ok,M
35	IBLK	VX046619.D	10 Jun 2025 22:05	JC/MD	Ok
36	VSTDICV020	VX046620.D	10 Jun 2025 22:26	JC/MD	Ok,M
37	VX0610WBS02	VX046621.D	10 Jun 2025 23:09	JC/MD	Ok,M
38	VX0610WBSD02	VX046622.D	10 Jun 2025 23:30	JC/MD	Ok,M
39	VX0610WBL02	VX046623.D	11 Jun 2025 00:12	JC/MD	Ok
40	Q2203-01	VX046624.D	11 Jun 2025 00:33	JC/MD	Dilution
41	Q2203-04	VX046625.D	11 Jun 2025 00:54	JC/MD	Dilution
42	VSTDCCC020	VX046626.D	11 Jun 2025 01:16	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM
SubDirectory	VX060625	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134153		
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240		
CCC	VP134154		
Internal Standard/PEM			
ICV/I.BLK	VP134241		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046516.D	06 Jun 2025 08:47		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046517.D	06 Jun 2025 09:13		JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX046518.D	06 Jun 2025 09:42	for TCLP	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX046519.D	06 Jun 2025 10:18	Comp #05 fail	JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046520.D	06 Jun 2025 10:40	LR-13,16,17	JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046521.D	06 Jun 2025 11:02		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046522.D	06 Jun 2025 11:25		JC/MD	Ok,M
8	IBLK	IBLK	VX046523.D	06 Jun 2025 11:47		JC/MD	Ok
9	VSTDICC001	VSTDICC001	VX046524.D	06 Jun 2025 12:57		JC/MD	Ok,M
10	VSTDICV050	ICV VX060625	VX046525.D	06 Jun 2025 14:11		JC/MD	Ok,M
11	VX0606MBL01	VX0606MBL01	VX046526.D	06 Jun 2025 14:39		JC/MD	Ok
12	VX0606WBL01	VX0606WBL01	VX046527.D	06 Jun 2025 15:02		JC/MD	Ok
13	VX0606WBS01	VX0606WBS01	VX046528.D	06 Jun 2025 15:25		JC/MD	Ok,M
14	VX0606MBS01	VX0606MBS01	VX046529.D	06 Jun 2025 15:51		JC/MD	Ok,M
15	Q2168-11MEDL	C2MEDL	VX046530.D	06 Jun 2025 16:13		JC/MD	Ok
16	VX0606WBSD01	VX0606WBSD01	VX046531.D	06 Jun 2025 16:36		JC/MD	Ok,M
17	Q2194-02	COMP-12	VX046532.D	06 Jun 2025 16:58	vial A pH#5.0	JC/MD	Ok
18	Q2194-04	COMP-13	VX046533.D	06 Jun 2025 17:21	vial A pH#5.0	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX060625

Review By	Maresh Dadoda	Review On	6/9/2025 1:15:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM
SubDirectory	VX060625	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134153		
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240		
CCC	VP134154		
Internal Standard/PEM			
ICV/I.BLK	VP134241		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2207-09	BU-703-COMP-01	VX046534.D	06 Jun 2025 17:43	vial A pH#5.0	JC/MD	Ok,M
20	Q2207-18	BU-703-COMP-02	VX046535.D	06 Jun 2025 18:06	vial A pH#5.0	JC/MD	Ok,M
21	Q2207-27	BU-703-COMP-03	VX046536.D	06 Jun 2025 18:28	vial A pH#5.0	JC/MD	Ok,M
22	Q2207-36	BU-703-COMP-04	VX046537.D	06 Jun 2025 18:51	vial A pH#5.0	JC/MD	Ok,M
23	Q2207-45	BU-703-COMP-05	VX046538.D	06 Jun 2025 19:13	vial A pH#5.0	JC/MD	Ok,M
24	Q2208-09	BU-703-COMP-06	VX046539.D	06 Jun 2025 19:35	vial A pH#5.0	JC/MD	Ok,M
25	Q2208-18	BU-703-COMP-07	VX046540.D	06 Jun 2025 19:58	vial A pH#5.0	JC/MD	Ok,M
26	Q2208-27	BU-703-COMP-08	VX046541.D	06 Jun 2025 20:20	vial A pH#5.0	JC/MD	Ok,M
27	Q2208-36	BU-703-COMP-09	VX046542.D	06 Jun 2025 20:42	vial A pH#5.0	JC/MD	Ok,M
28	Q2236-01	WC-A4-05A-G	VX046543.D	06 Jun 2025 21:04	vial A pH#5.0 Out of tune	JC/MD	Not Ok
29	VSTDCCC050	VSTDCCC050EC	VX046544.D	06 Jun 2025 21:26	Out of tune	JC/MD	Not Ok
30	BFB	BFB	VX046545.D	06 Jun 2025 23:59		JC/MD	Ok
31	VSTDCCC050	VSTDCCC050	VX046546.D	07 Jun 2025 00:34		JC/MD	Ok,M
32	VX0606WBL02	VX0606WBL02	VX046547.D	07 Jun 2025 01:17		JC/MD	Ok
33	VX0606WBS02	VX0606WBS02	VX046548.D	07 Jun 2025 02:00		JC/MD	Ok,M
34	VX0606WBSD02	VX0606WBSD02	VX046549.D	07 Jun 2025 02:22		JC/MD	Ok,M
35	PB168312TB	PB168312TB	VX046550.D	07 Jun 2025 02:43		JC/MD	Ok,M
36	PB168272TB	PB168272TB	VX046551.D	07 Jun 2025 03:05		JC/MD	Ok,M
37	Q2236-05	WC-A2-04-G	VX046552.D	07 Jun 2025 03:26	Surrogate Fail	JC/MD	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX060625

Review By	Maresh Dadoda	Review On	6/9/2025 1:15:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM
SubDirectory	VX060625	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134153		
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240		
CCC	VP134154		
Internal Standard/PEM			
ICV/I.BLK	VP134241		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	Q2236-09	WC-A2-05-G	VX046553.D	07 Jun 2025 03:48	Internal Standard Fail	JC/MD	ReRun
39	Q2236-13	WC-A2-06-G	VX046554.D	07 Jun 2025 04:09	vial A pH#5.0	JC/MD	Ok
40	Q2236-17	WC-A2-07-G	VX046555.D	07 Jun 2025 04:31	Internal Standard Fail; Surrogate fail	JC/MD	ReRun
41	Q2227-04	TP07-MHH-WC	VX046556.D	07 Jun 2025 04:52		JC/MD	Ok,M
42	Q2228-04	TP08-MHI-WC	VX046557.D	07 Jun 2025 05:14	Internal Standard Fail	JC/MD	ReRun
43	Q2235-01	WC-A2-08-G	VX046558.D	07 Jun 2025 05:36	Internal Standard Fail	JC/MD	ReRun
44	Q2240-04	TP-3	VX046559.D	07 Jun 2025 05:57	Internal Standard Fail	JC/MD	ReRun
45	Q2240-08	TP-2	VX046560.D	07 Jun 2025 06:18	Internal Standard Fail	JC/MD	ReRun
46	Q2240-12	TP-1	VX046561.D	07 Jun 2025 06:40	Internal Standard Fail	JC/MD	ReRun
47	Q2241-04	TP-N	VX046562.D	07 Jun 2025 07:01	Internal Standard Fail	JC/MD	ReRun
48	Q2241-08	TP-S	VX046563.D	07 Jun 2025 07:23	Internal Standard Fail	JC/MD	ReRun
49	Q2226-04	TP06-MHI-WC	VX046564.D	07 Jun 2025 07:44	Internal Standard Fail	JC/MD	ReRun
50	VSTDCCC050	VSTDCCC050EC	VX046565.D	07 Jun 2025 08:06		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX061025

Review By	John Carlone	Review On	6/11/2025 10:17:47 AM
Supervise By	Maresh Dadoda	Supervise On	6/11/2025 11:14:33 AM
SubDirectory	VX061025	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134200		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134201,VP134202		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046585.D	10 Jun 2025 08:36		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046586.D	10 Jun 2025 09:07	pH#Lot#V12668	JC/MD	Ok,M
3	VX0610MBL01	VX0610MBL01	VX046587.D	10 Jun 2025 09:36		JC/MD	Ok
4	VX0610WBL01	VX0610WBL01	VX046588.D	10 Jun 2025 09:57		JC/MD	Ok
5	VX0610WBS01	VX0610WBS01	VX046589.D	10 Jun 2025 10:18		JC/MD	Ok,M
6	VX0610WBSD01	VX0610WBSD01	VX046590.D	10 Jun 2025 10:44		JC/MD	Ok,M
7	Q2262-02	ARS20-0032	VX046591.D	10 Jun 2025 11:05	vial B pH#5.0	JC/MD	Ok
8	Q2262-04	ARS20-0001	VX046592.D	10 Jun 2025 11:27	vial B pH#5.0	JC/MD	Ok
9	IBLK	IBLK	VX046593.D	10 Jun 2025 11:48		JC/MD	Ok
10	Q2230-01	FB-060425	VX046594.D	10 Jun 2025 12:09	vial A pH<2 FB	JC/MD	Ok
11	Q2230-06	TB060425	VX046595.D	10 Jun 2025 12:30	vial A pH<2 TB	JC/MD	Ok
12	Q2233-01DL	MW-18B-56-060425DL	VX046596.D	10 Jun 2025 12:51	vial B pH<2	JC/MD	Ok
13	Q2233-03DL	MW-18B-56-060425-FD	VX046597.D	10 Jun 2025 13:13	vial B pH<2	JC/MD	Ok
14	Q2233-04DL	MW-19B-72-060425DL	VX046598.D	10 Jun 2025 13:34	vial B pH<2	JC/MD	Ok
15	Q2234-01DL	MW-17B-55-060425DL	VX046599.D	10 Jun 2025 13:55	vial B pH<2	JC/MD	Ok
16	IBLK	IBLK	VX046600.D	10 Jun 2025 14:16		JC/MD	Ok
17	Q2230-05	GW-MW901-060425	VX046601.D	10 Jun 2025 14:38	vial A pH<2	JC/MD	Ok,M
18	Q2230-02	GW-MW01-060425	VX046602.D	10 Jun 2025 14:59	vial A pH<2	JC/MD	Ok,M

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX061025

Review By	John Carlone	Review On	6/11/2025 10:17:47 AM
Supervise By	Maresh Dadoda	Supervise On	6/11/2025 11:14:33 AM
SubDirectory	VX061025	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134200		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134201,VP134202		

19	Q2230-03MS	GW-MW01-060425MS	VX046603.D	10 Jun 2025 15:20	Internal Standard Fail; Surrogate Fail; Spike not added	JC/MD	Not Ok
20	Q2230-04MSD	GW-MW01-060425MS	VX046604.D	10 Jun 2025 15:42	Internal Standard Fail; Surrogate Fail; Spike not added	JC/MD	Not Ok
21	IBLK	IBLK	VX046605.D	10 Jun 2025 16:03		JC/MD	Ok
22	Q2249-01	MW-06-6.5-060525	VX046606.D	10 Jun 2025 16:24	Run @ lower dilution	JC/MD	Not Ok
23	IBLK	IBLK	VX046607.D	10 Jun 2025 16:46		JC/MD	Ok
24	Q2233-01	MW-18B-56-060425	VX046608.D	10 Jun 2025 17:07	vial A pH<2 Need 10X	JC/MD	Dilution
25	Q2233-03	MW-18B-56-060425-FD	VX046609.D	10 Jun 2025 17:28	vial A pH<2 Need 10X	JC/MD	Dilution
26	Q2233-04	MW-19B-72-060425	VX046610.D	10 Jun 2025 17:50	vial A pH<2 Need 100X	JC/MD	Dilution
27	Q2234-01	MW-17B-55-060425	VX046611.D	10 Jun 2025 18:11	vial A pH<2 Need 100X	JC/MD	Dilution
28	VSTDCCC050	VSTDCCC050EC	VX046612.D	10 Jun 2025 18:53		JC/MD	Ok,M
29	BFB	BFB	VX046613.D	10 Jun 2025 19:57		JC/MD	Ok
30	VSTDICC005	VSTDICC005	VX046614.D	10 Jun 2025 20:19		JC/MD	Ok,M
31	VSTDICCC020	VSTDICCC020	VX046615.D	10 Jun 2025 20:40		JC/MD	Ok,M
32	VSTDICC050	VSTDICC050	VX046616.D	10 Jun 2025 21:01		JC/MD	Ok,M
33	VSTDICC100	VSTDICC100	VX046617.D	10 Jun 2025 21:22		JC/MD	Ok,M
34	VSTDICC150	VSTDICC150	VX046618.D	10 Jun 2025 21:44		JC/MD	Ok,M
35	IBLK	IBLK	VX046619.D	10 Jun 2025 22:05		JC/MD	Ok
36	VSTDICV020	ICVVX061025	VX046620.D	10 Jun 2025 22:26		JC/MD	Ok,M
37	VX0610WBS02	VX0610WBS02	VX046621.D	10 Jun 2025 23:09		JC/MD	Ok,M

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX061025

Review By	John Carlone	Review On	6/11/2025 10:17:47 AM
Supervise By	Maresh Dadoda	Supervise On	6/11/2025 11:14:33 AM
SubDirectory	VX061025	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134200		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134201,VP134202		

38	VX0610WBSD02	VX0610WBSD02	VX046622.D	10 Jun 2025 23:30		JC/MD	Ok,M
39	VX0610WBL02	VX0610WBL02	VX046623.D	11 Jun 2025 00:12		JC/MD	Ok
40	Q2203-01	001-WILLETS-PT-BLVD	VX046624.D	11 Jun 2025 00:33	vial A pH<2 Need 5X	JC/MD	Dilution
41	Q2203-04	002-35TH-AVE(JUNE)	VX046625.D	11 Jun 2025 00:54	vial A pH<2 Need 5X	JC/MD	Dilution
42	VSTDCCC020	VSTDCCC020EC	VX046626.D	11 Jun 2025 01:16		JC/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q2233	OrderDate:	6/5/2025 10:51:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2233-01	MW-18B-56-060425	Water	VOCMS Group3	8260-Low	06/04/25		06/10/25	06/05/25
Q2233-01DL	MW-18B-56-060425D L	Water	VOCMS Group3	8260-Low	06/04/25		06/10/25	06/05/25
Q2233-03	MW-18B-56-060425-F D	Water	VOCMS Group3	8260-Low	06/04/25		06/10/25	06/05/25
Q2233-03DL	MW-18B-56-060425-F DDL	Water	VOCMS Group3	8260-Low	06/04/25		06/10/25	06/05/25
Q2233-04	MW-19B-72-060425	Water	VOCMS Group3	8260-Low	06/04/25		06/10/25	06/05/25
Q2233-04DL	MW-19B-72-060425D L	Water	VOCMS Group3	8260-Low	06/04/25		06/10/25	06/05/25