

Hit Summary Sheet SW-846

SDG No.: Q2878

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: MW-18B-57.5-081325								
Q2878-01	MW-18B-57.5-0813	Water	Vinyl Chloride	55.1		0.26	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	1,1-Dichloroethene	8.60		0.23	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	1,1-Dichloroethane	8.00		0.23	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	cis-1,2-Dichloroethene	900	E	0.19	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	Benzene	1.60		0.15	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	1,2-Dichloroethane	1.60		0.22	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	Trichloroethene	160	E	0.090	1.00	ug/L
Q2878-01	MW-18B-57.5-0813	Water	Tetrachloroethene	0.95	J	0.23	1.00	ug/L
Total Voc :				1140				
Total Concentration:				1140				
Client ID: MW-18B-57.5-081325DL								
Q2878-01DL	MW-18B-57.5-0813	Water	Vinyl Chloride	50.0	D	2.60	10.0	ug/L
Q2878-01DL	MW-18B-57.5-0813	Water	1,1-Dichloroethene	7.60	JD	2.30	10.0	ug/L
Q2878-01DL	MW-18B-57.5-0813	Water	1,1-Dichloroethane	6.80	JD	2.30	10.0	ug/L
Q2878-01DL	MW-18B-57.5-0813	Water	cis-1,2-Dichloroethene	810	D	1.90	10.0	ug/L
Q2878-01DL	MW-18B-57.5-0813	Water	Benzene	6.30	JD	1.50	10.0	ug/L
Q2878-01DL	MW-18B-57.5-0813	Water	Trichloroethene	150	D	0.93	10.0	ug/L
Total Voc :				1030				
Total Concentration:				1030				
Client ID: MW-11A-37.5-081425								
Q2878-05	MW-11A-37.5-0814	Water	1,1-Dichloroethene	61.5		11.5	50.0	ug/L
Q2878-05	MW-11A-37.5-0814	Water	1,1-Dichloroethane	61.4		11.5	50.0	ug/L
Q2878-05	MW-11A-37.5-0814	Water	cis-1,2-Dichloroethene	2200		9.50	50.0	ug/L
Q2878-05	MW-11A-37.5-0814	Water	Trichloroethene	4600		4.70	50.0	ug/L
Total Voc :				6920				
Total Concentration:				6920				



SAMPLE DATA

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-18B-57.5-081325DL	SDG No.:	Q2878
Lab Sample ID:	Q2878-01DL	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:	Date Analyzed	Prep Batch ID
VX047451.D	10	08/20/25 18:18	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	50.0	D	2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.60	JD	2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	6.80	JD	2.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	810	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	6.30	JD	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	150	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	55.7		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.1		70 (77) - 130 (121)	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	216000	5.568			
540-36-3	1,4-Difluorobenzene	432000	6.769			
3114-55-4	Chlorobenzene-d5	428000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	219000	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:	08/14/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-11A-37.5-081425	SDG No.:	Q2878
Lab Sample ID:	Q2878-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047452.D	50	08/20/25 18:40	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	13.0	U	13.0	50.0	ug/L
75-35-4	1,1-Dichloroethene	61.5		11.5	50.0	ug/L
75-34-3	1,1-Dichloroethane	61.4		11.5	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	2200		9.50	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	U	10.0	50.0	ug/L
71-43-2	Benzene	7.50	U	7.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	11.0	U	11.0	50.0	ug/L
79-01-6	Trichloroethene	4600		4.70	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	10.5	U	10.5	50.0	ug/L
127-18-4	Tetrachloroethene	11.5	U	11.5	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.3		70 (74) - 130 (125)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	49.4		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.8		70 (77) - 130 (121)	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	233000	5.568			
540-36-3	1,4-Difluorobenzene	475000	6.775			
3114-55-4	Chlorobenzene-d5	465000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	243000	12.018			

U = Not Detected

LOQ = Limit of Quantitation

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/14/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	TB01-081425	SDG No.:	Q2878
Lab Sample ID:	Q2878-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047441.D	1	08/20/25 14:42	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.8		70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.1		70 (77) - 130 (121)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	299000	5.568			
540-36-3	1,4-Difluorobenzene	610000	6.775			
3114-55-4	Chlorobenzene-d5	600000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	295000	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



QC SUMMARY

Surrogate Summary

SDG No.: **Q2878**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2878-01	MW-18B-57.5-081325	1,2-Dichloroethane-d4	50	54.3	109		70 (74)	130 (125)
		Dibromofluoromethane	50	48.2	96		70 (75)	130 (124)
		Toluene-d8	50	49.0	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.8	112		70 (77)	130 (121)
Q2878-01DL	MW-18B-57.5-081325DL	1,2-Dichloroethane-d4	50	55.7	111		70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100		70 (75)	130 (124)
		Toluene-d8	50	50.1	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.1	114		70 (77)	130 (121)
Q2878-05	MW-11A-37.5-081425	1,2-Dichloroethane-d4	50	56.3	113		70 (74)	130 (125)
		Dibromofluoromethane	50	50.5	101		70 (75)	130 (124)
		Toluene-d8	50	49.4	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.8	114		70 (77)	130 (121)
Q2878-06	TB01-081425	1,2-Dichloroethane-d4	50	57.8	116		70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101		70 (75)	130 (124)
		Toluene-d8	50	50.5	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.1	110		70 (77)	130 (121)
VX0820WBL01	VX0820WBL01	1,2-Dichloroethane-d4	50	57.9	116		70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103		70 (75)	130 (124)
		Toluene-d8	50	50.7	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.9	112		70 (77)	130 (121)
VX0820WBS01	VX0820WBS01	1,2-Dichloroethane-d4	50	49.0	98		70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100		70 (75)	130 (124)
		Toluene-d8	50	49.2	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.2	100		70 (77)	130 (121)
VX0820WBSD0	VX0820WBSD01	1,2-Dichloroethane-d4	50	51.0	102		70 (74)	130 (125)
		Dibromofluoromethane	50	50.5	101		70 (75)	130 (124)
		Toluene-d8	50	50.2	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.7	103		70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2878 Analytical Method: SW8260-Low
Client: JACOBS Engineering Group, Inc. Datafile : VX047430.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0820WBS01	Vinyl chloride	20	16.1	ug/L	81			70 (65)	130 (117)	
	1,1-Dichloroethene	20	16.8	ug/L	84			70 (74)	130 (110)	
	1,1-Dichloroethane	20	17.2	ug/L	86			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	17.1	ug/L	86			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	17.2	ug/L	86			70 (80)	130 (108)	
	Benzene	20	17.6	ug/L	88			70 (82)	130 (109)	
	1,2-Dichloroethane	20	17.6	ug/L	88			70 (80)	130 (115)	
	Trichloroethene	20	17.2	ug/L	86			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	18.1	ug/L	91			70 (83)	130 (112)	
	Tetrachloroethene	20	17.2	ug/L	86			70 (67)	130 (123)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2878</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	Datafile :	<u>VX047431.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0820WBSD01	Vinyl chloride	20	16.3	ug/L	81	0		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	16.3	ug/L	81	4		70 (74)	130 (110)	20 (20)
	1,1-Dichloroethane	20	17.6	ug/L	88	2		70 (78)	130 (112)	20 (20)
	cis-1,2-Dichloroethene	20	17.2	ug/L	86	0		70 (77)	130 (110)	20 (20)
	1,1,1-Trichloroethane	20	17.3	ug/L	86	0		70 (80)	130 (108)	20 (20)
	Benzene	20	17.9	ug/L	90	2		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	18.2	ug/L	91	3		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.1	ug/L	86	0		70 (77)	130 (113)	20 (15)
	1,1,2-Trichloroethane	20	18.9	ug/L	95	4		70 (83)	130 (112)	20 (20)
	Tetrachloroethene	20	17.0	ug/L	85	1		70 (67)	130 (123)	20 (15)

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0820WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q2878

Lab File ID: VX047429.D

Lab Sample ID: VX0820WBL01

Date Analyzed: 08/20/2025

Time Analyzed: 10:07

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
VX0820WBS01	VX0820WBS01	VX047430.D	08/20/2025
VX0820WBSD01	VX0820WBSD01	VX047431.D	08/20/2025
TB01-081425	Q2878-06	VX047441.D	08/20/2025
MW-18B-57.5-081325	Q2878-01	VX047450.D	08/20/2025
MW-18B-57.5-081325DL	Q2878-01DL	VX047451.D	08/20/2025
MW-11A-37.5-081425	Q2878-05	VX047452.D	08/20/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q2878

Lab File ID: VX047347.D

BFB Injection Date: 08/15/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:28

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.4
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	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	71.9 (96.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VX047349.D	08/15/2025	09:40
VSTDIC020	VSTDIC020	VX047350.D	08/15/2025	10:01
VSTDIC050	VSTDIC050	VX047351.D	08/15/2025	10:22
VSTDIC100	VSTDIC100	VX047352.D	08/15/2025	10:43
VSTDIC150	VSTDIC150	VX047353.D	08/15/2025	11:05
VSTDIC001	VSTDIC001	VX047356.D	08/15/2025	12:30

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q2878

Lab File ID: VX047426.D

BFB Injection Date: 08/20/2025

Instrument ID: MSVOA_X

BFB Injection Time: 07:50

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	52.7
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	0.8 (1) 1
174	50.0 - 100.0% of mass 95	75.4
175	5.0 - 9.0% of mass 174	6 (7.9) 1
176	95.0 - 101.0% of mass 174	72.1 (95.6) 1
177	5.0 - 9.0% of mass 176	5 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047427.D	08/20/2025	09:25
VX0820WBL01	VX0820WBL01	VX047429.D	08/20/2025	10:07
VX0820WBS01	VX0820WBS01	VX047430.D	08/20/2025	10:35
VX0820WBSD01	VX0820WBSD01	VX047431.D	08/20/2025	11:06
TB01-081425	Q2878-06	VX047441.D	08/20/2025	14:42
MW-18B-57.5-081325	Q2878-01	VX047450.D	08/20/2025	17:57
MW-18B-57.5-081325DL	Q2878-01DL	VX047451.D	08/20/2025	18:18
MW-11A-37.5-081425	Q2878-05	VX047452.D	08/20/2025	18:40

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005
 Lab Code: ACE SDG NO.: Q2878
 Lab File ID: VX047427.D Date Analyzed: 08/20/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:25
 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	222102	5.56	369648	6.76	338607	10.05
UPPER LIMIT	444204	6.056	739296	7.263	677214	10.549
LOWER LIMIT	111051	5.056	184824	6.263	169304	9.549
EPA SAMPLE NO.						
MW-18B-57.5-081325	205051	5.57	415601	6.77	411051	10.06
MW-18B-57.5-081325DL	215725	5.57	432331	6.77	427580	10.06
MW-11A-37.5-081425	233413	5.57	475099	6.78	465473	10.06
TB01-081425	298809	5.57	610463	6.78	600442	10.06
VX0820WBL01	280589	5.57	574542	6.77	560929	10.06
VX0820WBS01	244648	5.56	407608	6.76	368354	10.06
VX0820WBSD01	227988	5.56	384011	6.76	353527	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:	<u>Alliance</u>	Contract:	<u>JACO05</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2878</u>
Lab File ID:	<u>VX047427.D</u>	Date Analyzed:	<u>08/20/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>09:25</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	165668	12.018				
UPPER LIMIT	331336	12.518				
LOWER LIMIT	82834	11.518				
EPA SAMPLE NO.						
MW-18B-57.5-081325	206897	12.02				
MW-18B-57.5-081325DL	219266	12.02				
MW-11A-37.5-081425	242657	12.02				
TB01-081425	294767	12.02				
VX0820WBL01	279679	12.02				
VX0820WBS01	188940	12.02				
VX0820WBSD01	182846	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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



QC SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0820WBL01	SDG No.:	Q2878
Lab Sample ID:	VX0820WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047429.D	1	08/20/25 10:07	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.9		70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		70 (77) - 130 (121)	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281000	5.568			
540-36-3	1,4-Difluorobenzene	575000	6.769			
3114-55-4	Chlorobenzene-d5	561000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	280000	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 OC 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:	VX0820WBS01	SDG No.:	Q2878
Lab Sample ID:	VX0820WBS01	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:	Date Analyzed	Prep Batch ID
VX047430.D	1	08/20/25 10:35	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.1		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.2		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.1		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.2		0.20	1.00	ug/L
71-43-2	Benzene	17.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.2		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.1		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	17.2		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	245000	5.556			
540-36-3	1,4-Difluorobenzene	408000	6.763			
3114-55-4	Chlorobenzene-d5	368000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	189000	12.018			

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0820WBSD01	SDG No.:	Q2878
Lab Sample ID:	VX0820WBSD01	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:	Date Analyzed	Prep Batch ID
VX047431.D	1	08/20/25 11:06	VX082025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.3		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.6		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.2		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.3		0.20	1.00	ug/L
71-43-2	Benzene	17.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.2		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.1		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.9		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	17.0		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	228000	5.556			
540-36-3	1,4-Difluorobenzene	384000	6.763			
3114-55-4	Chlorobenzene-d5	354000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	183000	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: <u>Alliance</u>	Contract: <u>JAC005</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q2878</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>08/15/2025</u> <u>08/15/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>09:40</u> <u>12:30</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF005 = VX047349.D		RRF020 = VX047350.D		RRF050 = VX047351.D		
		RRF100 = VX047352.D		RRF150 = VX047353.D		RRF001 = VX047356.D		
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	RRF	% RSD
Vinyl Chloride	0.651	0.751	0.800	0.729	0.757	0.630	0.720	9.2
1,1-Dichloroethene	0.575	0.664	0.697	0.635	0.651	0.555	0.630	8.6
1,1-Dichloroethane	1.180	1.294	1.356	1.210	1.238	1.052	1.222	8.5
cis-1,2-Dichloroethene	0.758	0.826	0.846	0.769	0.779	0.692	0.778	7
1,1,1-Trichloroethane	1.043	1.151	1.195	1.081	1.106	0.863	1.073	10.8
Benzene	1.502	1.665	1.701	1.516	1.504	1.312	1.533	9.1
1,2-Dichloroethane	0.521	0.594	0.600	0.532	0.528	0.484	0.543	8.3
Trichloroethene	0.383	0.423	0.432	0.390	0.391	0.336	0.393	8.6
1,1,2-Trichloroethane	0.358	0.393	0.396	0.352	0.347	0.313	0.360	8.6
Tetrachloroethene	0.351	0.384	0.398	0.360	0.360	0.316	0.362	7.8
1,2-Dichloroethane-d4	0.709	0.581	0.700	0.747	0.762		0.700	10.2
Dibromofluoromethane	0.310	0.278	0.331	0.354	0.349		0.325	9.6
Toluene-d8	1.157	0.994	1.171	1.246	1.232		1.160	8.7
4-Bromofluorobenzene	0.441	0.371	0.428	0.452	0.448		0.428	7.8

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2878</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>08/20/2025</u> <u>09:25</u>
Lab File ID:	<u>VX047427.D</u>	Init. Calib. Date(s):	<u>08/15/2025</u> <u>08/15/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40</u> <u>12:30</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.720	0.671		-6.81	20
1,1-Dichloroethene	0.630	0.586		-6.98	20
1,1-Dichloroethane	1.222	1.158	0.1	-5.24	20
cis-1,2-Dichloroethene	0.778	0.733		-5.78	20
1,1,1-Trichloroethane	1.073	1.016		-5.31	20
Benzene	1.533	1.484		-3.2	20
1,2-Dichloroethane	0.543	0.539		-0.74	20
Trichloroethene	0.393	0.368		-6.36	20
1,1,2-Trichloroethane	0.360	0.361		0.28	20
Tetrachloroethene	0.362	0.335		-7.46	20
1,2-Dichloroethane-d4	0.700	0.747		6.71	20
Dibromofluoromethane	0.325	0.355		9.23	20
Toluene-d8	1.160	1.231		6.12	20
4-Bromofluorobenzene	0.428	0.465		8.65	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\VX082025\
 Data File : VX047450.D
 Acq On : 20 Aug 2025 17:57
 Operator : JC/MD
 Sample : Q2878-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-57.5-081325

Quant Time: Aug 21 01:37:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/21/2025
 Supervised By : Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	205051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	415601	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	411051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	206897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	155820	54.297	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.600%			
35) Dibromofluoromethane	5.403	113	130125	48.243	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.480%			
50) Toluene-d8	8.653	98	472687	49.030	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.060%			
62) 4-Bromofluorobenzene	11.079	95	198622	55.829	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.660%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	3616	1.538	ug/l	99
4) Vinyl Chloride	1.392	62	162715	55.130	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	12048	4.757	ug/l	94
12) 1,1-Dichloroethene	2.343	96	22164	8.585	ug/l	96
16) Acetone	2.392	43	40491	37.537	ug/l	97
17) Carbon Disulfide	2.532	76	30720	3.943	ug/l	97
20) Methylene Chloride	2.806	84	1981	0.694	ug/l	89
21) trans-1,2-Dichloroethene	3.111	96	20295	7.406	ug/l	95
24) 1,1-Dichloroethane	3.629	63	40088	8.001	ug/l	95
27) cis-1,2-Dichloroethene	4.507	96	2864874	897.640	ug/l	89
29) Tetrahydrofuran	5.038	42	23542	25.782	ug/l	94
30) Chloroform	5.123	83	1382m	0.270	ug/l	
40) Benzene	6.056	78	20126	1.579	ug/l	98
42) 1,2-Dichloroethane	6.104	62	7414	1.642	ug/l	91
44) Trichloroethene	7.135	130	529655	162.306	ug/l	97
52) Toluene	8.726	92	8994	1.142	ug/l	93
64) Tetrachloroethene	9.281	164	2827	0.951	ug/l	96
67) Ethyl Benzene	10.195	91	11095	0.660	ug/l	97
68) m/p-Xylenes	10.305	106	4057	0.647	ug/l	95
69) o-Xylene	10.646	106	2042	0.338	ug/l	94
70) Styrene	10.665	104	3204	0.314	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	4379	0.329	ug/l	94
95) Naphthalene	13.774	128	213891	15.573	ug/l	99

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

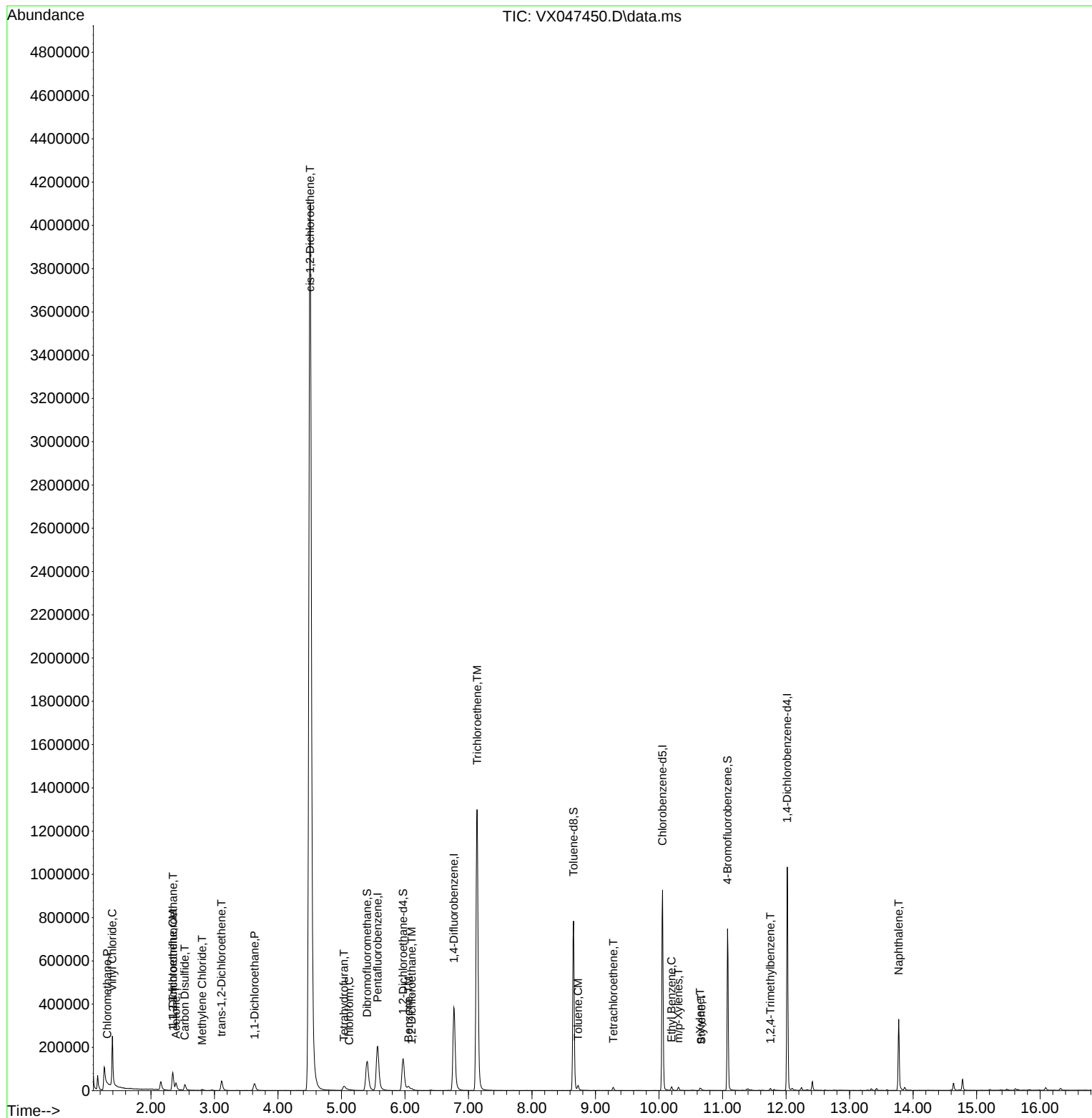
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Data File : VX047450.D
Acq On : 20 Aug 2025 17:57
Operator : JC/MD
Sample : Q2878-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

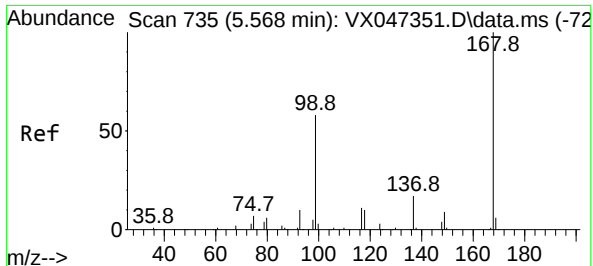
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Manual Integrations
APPROVED

Reviewed By : John Carlone 08/21/2025
Supervised By : Mahesh Dadoda 08/22/2025

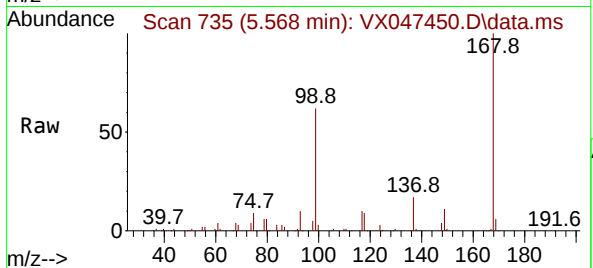
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

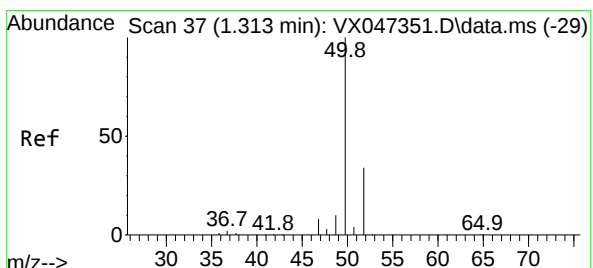
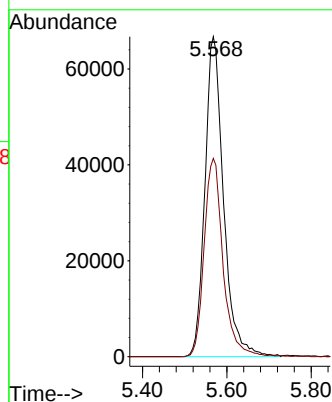
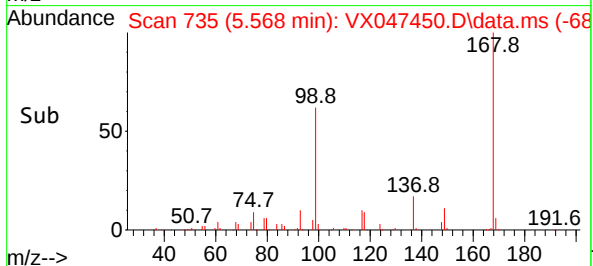
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325



Tgt Ion:168 Resp: 20505
Ion Ratio Lower Upper
168 100
99 61.9 47.9 71.9

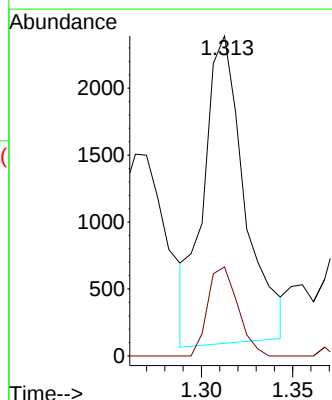
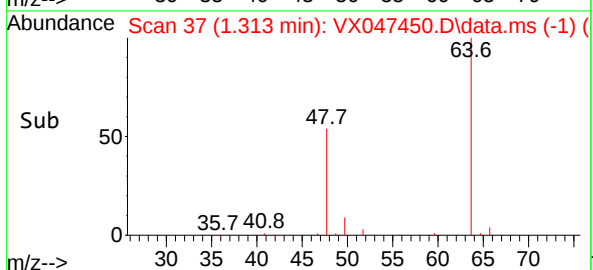
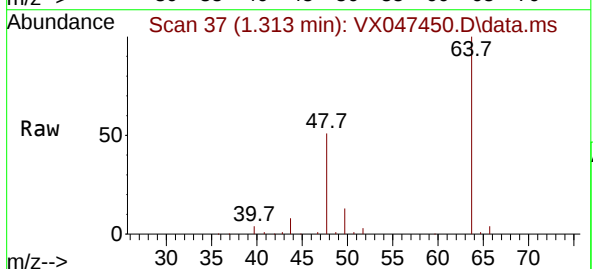
Manual Integrations
APPROVED

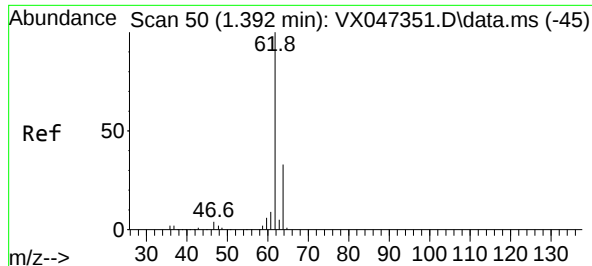
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#3
Chloromethane
Concen: 1.538 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 50 Resp: 3616
Ion Ratio Lower Upper
50 100
52 34.0 27.0 40.4





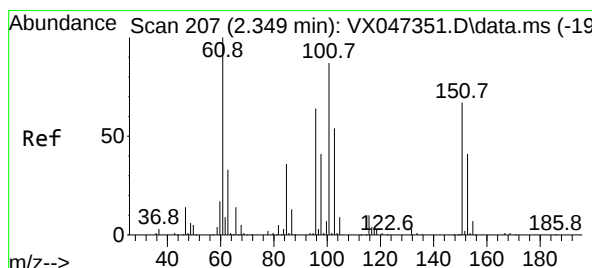
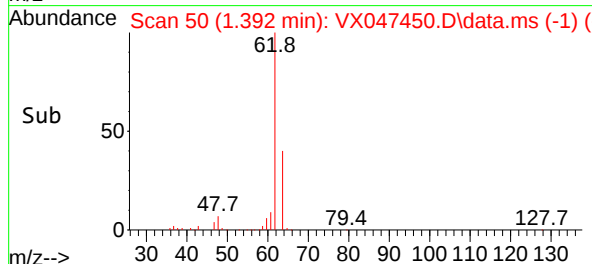
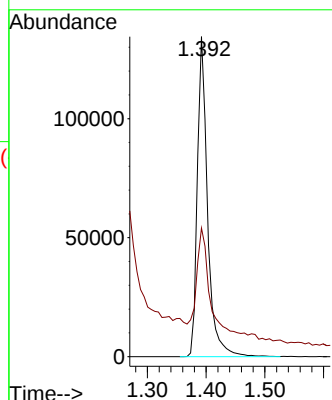
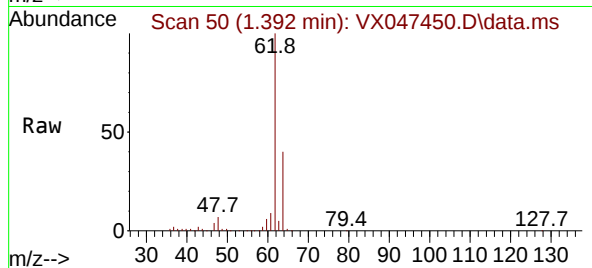
#4
 Vinyl Chloride
 Concen: 55.130 ug/l
 RT: 1.392 min Scan# 50
 Delta R.T. 0.000 min
 Lab File: VX047450.D
 Acq: 20 Aug 2025 17:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-57.5-081325

Tgt Ion: 62 Resp: 162715
 Ion Ratio Lower Upper
 62 100
 64 35.0 26.5 39.7

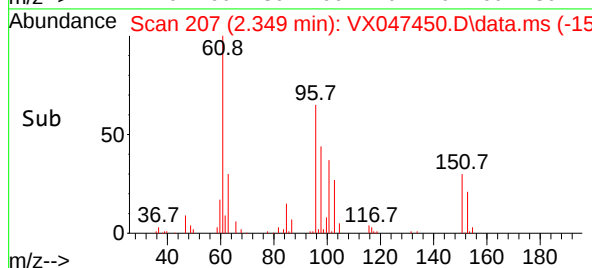
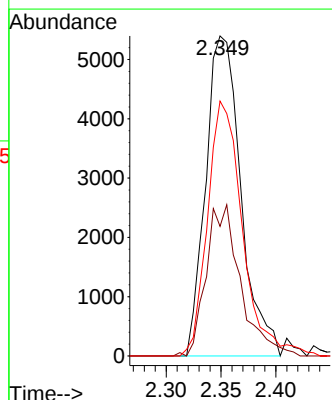
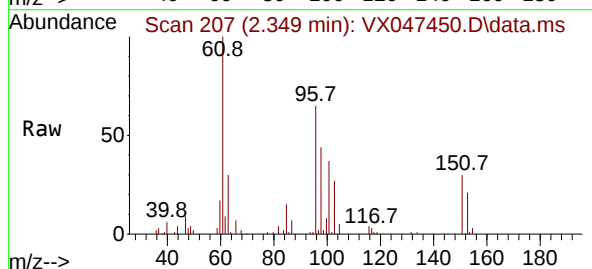
Manual Integrations
 APPROVED

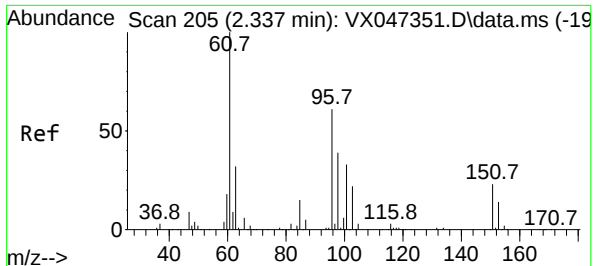
Reviewed By :John Carlone 08/21/2025
 Supervised By :Mahesh Dadoda 08/22/2025



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.757 ug/l
 RT: 2.349 min Scan# 207
 Delta R.T. 0.000 min
 Lab File: VX047450.D
 Acq: 20 Aug 2025 17:57

Tgt Ion:101 Resp: 12048
 Ion Ratio Lower Upper
 101 100
 85 46.0 34.3 51.5
 151 79.2 59.2 88.8





#12

1,1-Dichloroethene

Concen: 8.585 ug/l

RT: 2.343 min Scan# 205

Delta R.T. 0.006 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325

Tgt Ion: 96 Resp: 22164

Ion Ratio Lower Upper

96 100

61 167.1 132.2 198.2

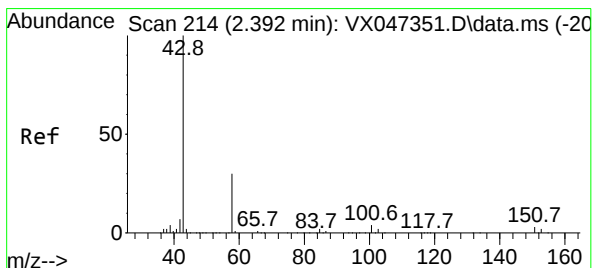
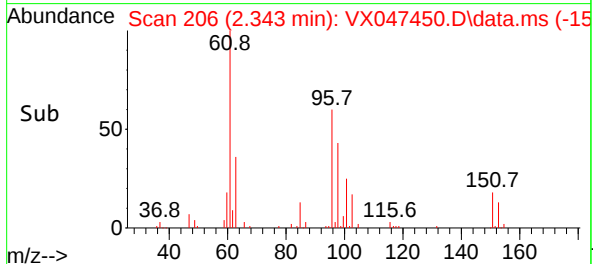
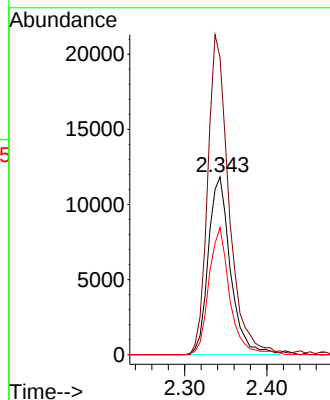
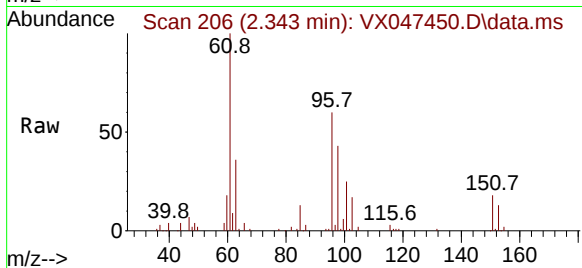
98 71.6 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#16

Acetone

Concen: 37.537 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX047450.D

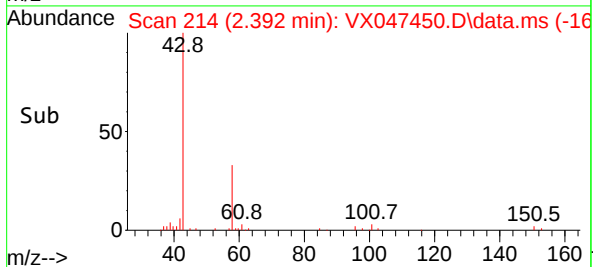
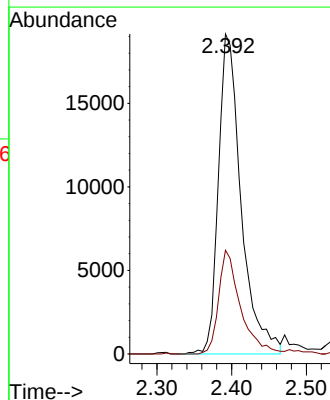
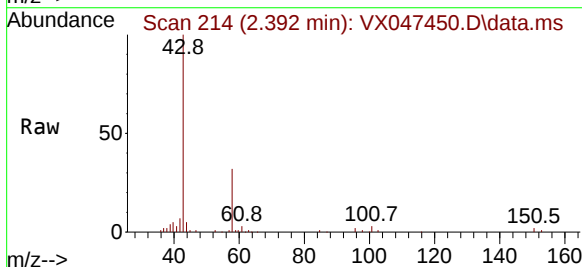
Acq: 20 Aug 2025 17:57

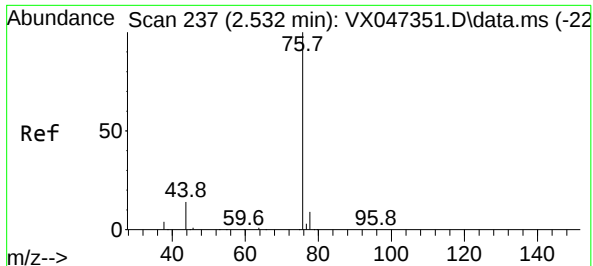
Tgt Ion: 43 Resp: 40491

Ion Ratio Lower Upper

43 100

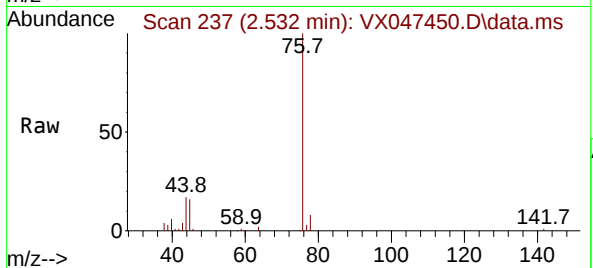
58 32.6 24.8 37.2





#17
Carbon Disulfide
Concen: 3.943 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

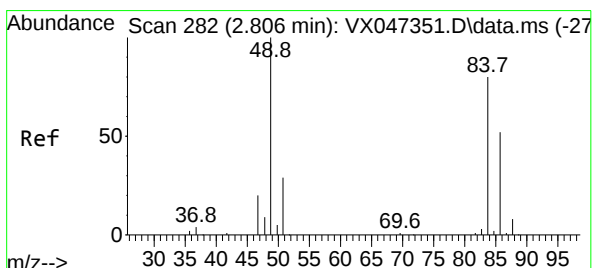
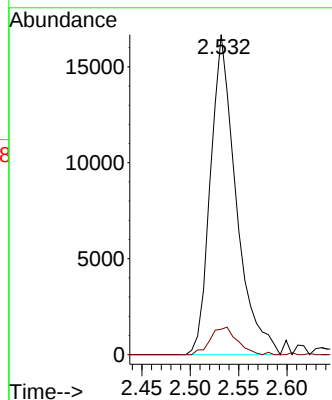
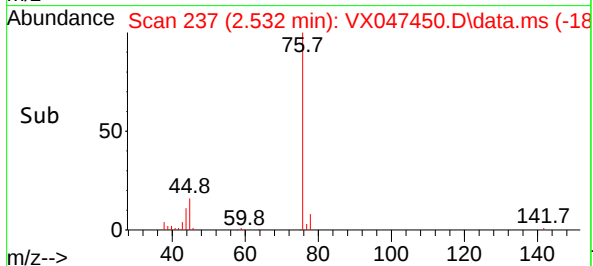
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325



Tgt Ion: 76 Resp: 30720
Ion Ratio Lower Upper
76 100
78 7.9 7.2 10.8

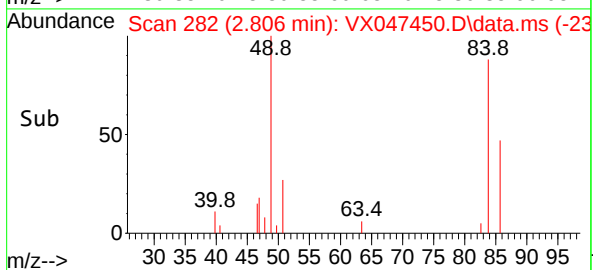
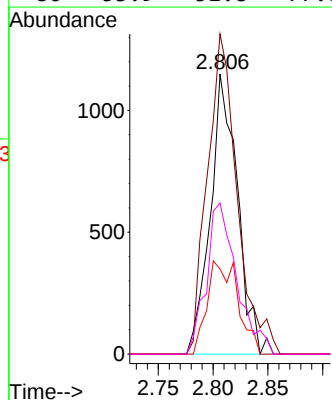
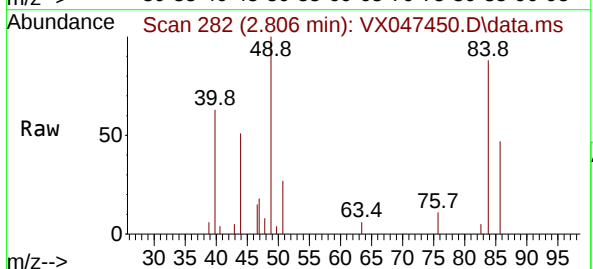
Manual Integrations
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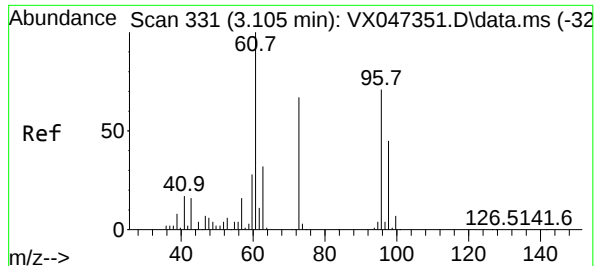
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#20
Methylene Chloride
Concen: 0.694 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

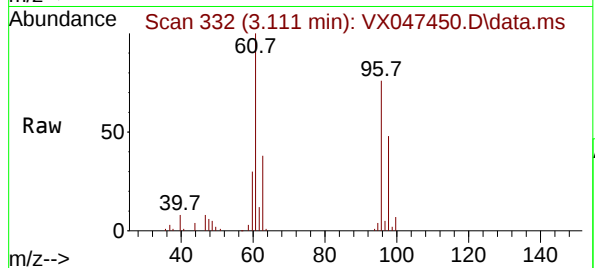
Tgt Ion: 84 Resp: 1981
Ion Ratio Lower Upper
84 100
49 114.3 100.1 150.1
51 30.3 29.5 44.3
86 53.9 51.8 77.8





#21
trans-1,2-Dichloroethene
Concen: 7.406 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

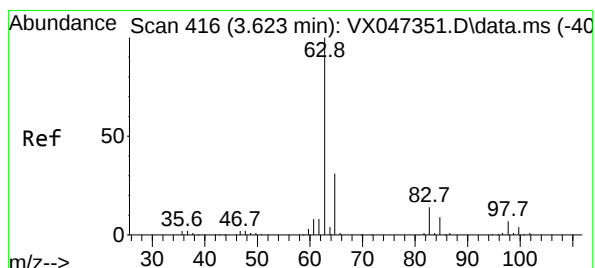
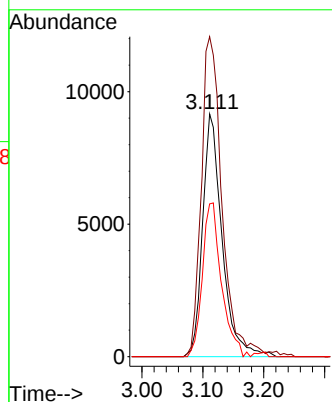
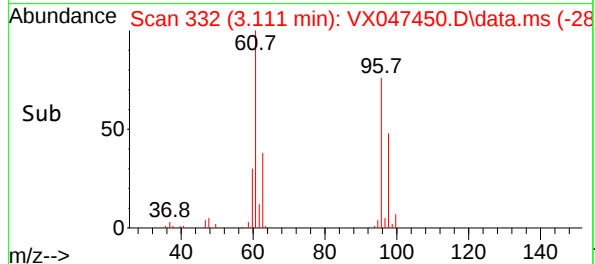
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325



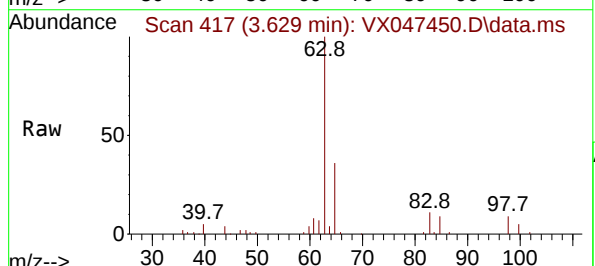
Tgt Ion: 96 Resp: 2029
Ion Ratio Lower Upper
96 100
61 131.8 112.6 169.0
98 63.0 50.9 76.3

Manual Integrations
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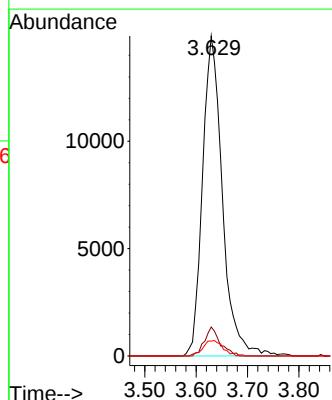
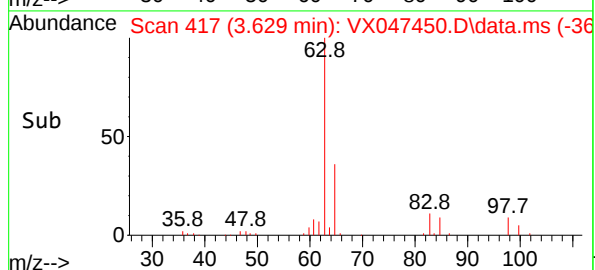
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

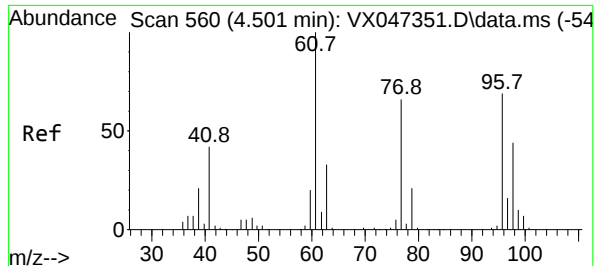


#24
1,1-Dichloroethane
Concen: 8.001 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57



Tgt Ion: 63 Resp: 40088
Ion Ratio Lower Upper
63 100
98 9.1 3.3 9.9
100 4.7 2.1 6.3





#27

cis-1,2-Dichloroethene

Concen: 897.640 ug/l

RT: 4.507 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325

Tgt Ion: 96 Resp: 2864874

Ion Ratio Lower Upper

96 100

61 129.2 0.0 296.6

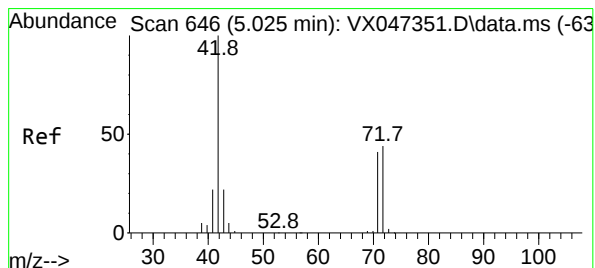
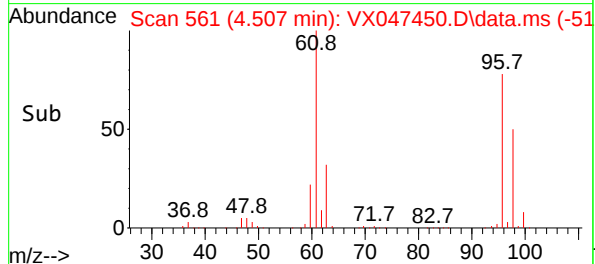
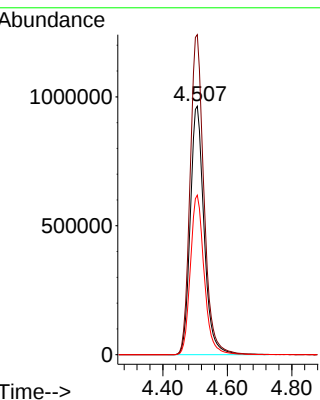
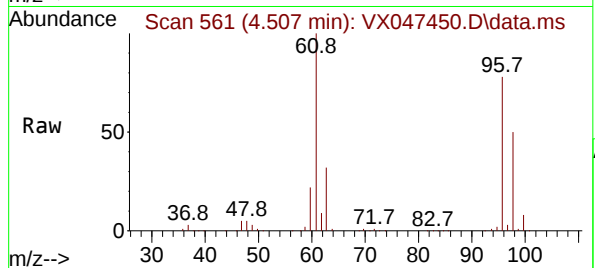
98 64.3 0.0 130.4

Manual Integrations

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Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#29

Tetrahydrofuran

Concen: 25.782 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.012 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

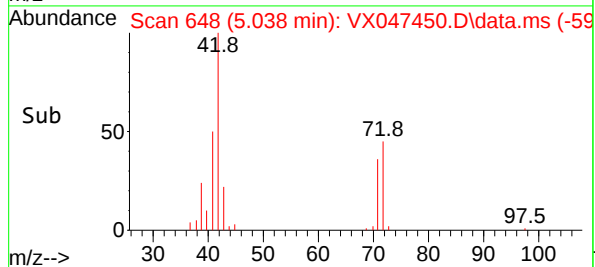
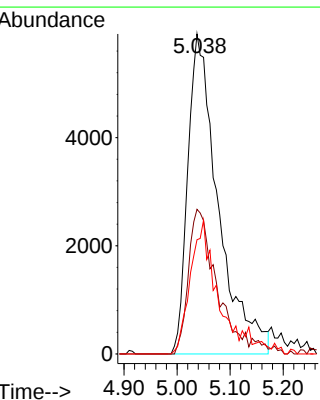
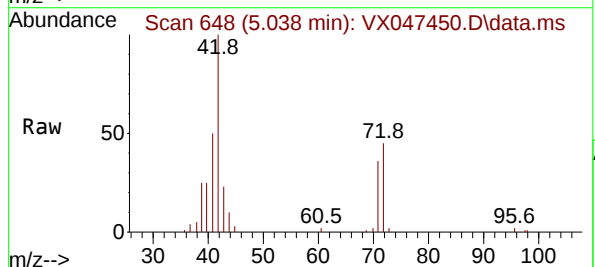
Tgt Ion: 42 Resp: 23542

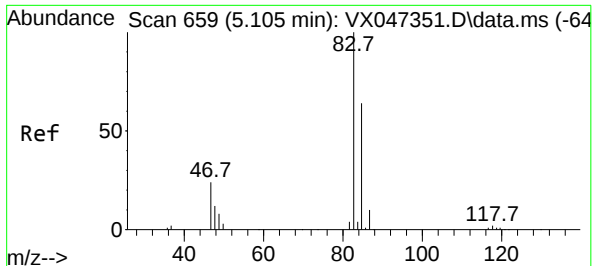
Ion Ratio Lower Upper

42 100

72 41.3 34.6 51.8

71 34.9 32.6 49.0





#30

Chloroform

Concen: 0.270 ug/l m

RT: 5.123 min Scan# 6

Delta R.T. 0.018 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325

Tgt Ion: 83 Resp: 138

Ion Ratio Lower Upper

83 100

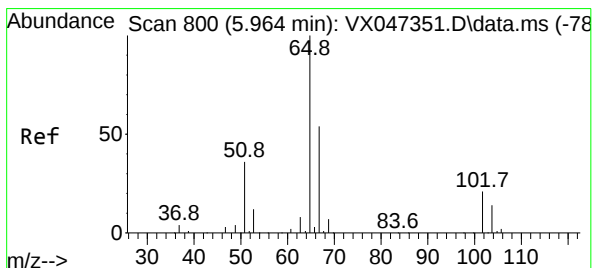
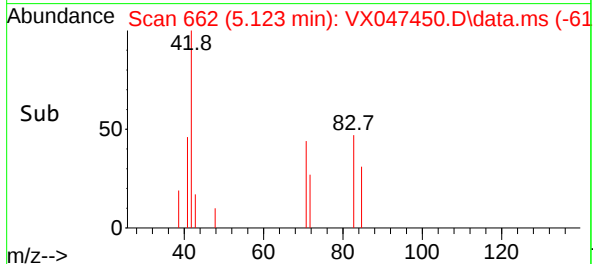
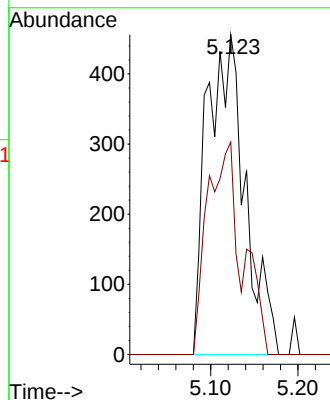
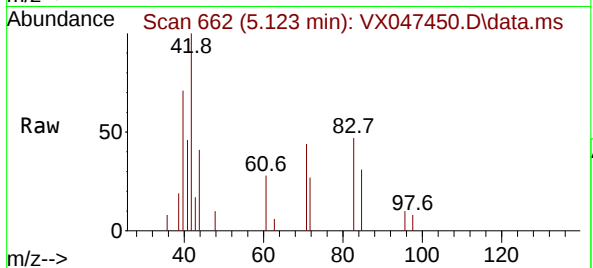
85 66.4 51.2 76.8

Manual Integrations

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Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#33

1,2-Dichloroethane-d4

Concen: 54.297 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX047450.D

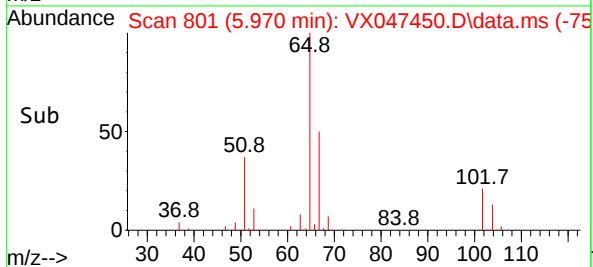
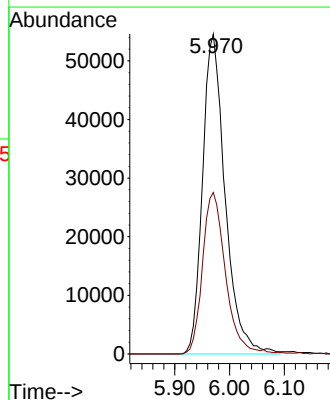
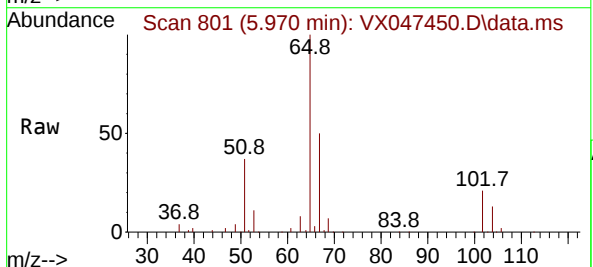
Acq: 20 Aug 2025 17:57

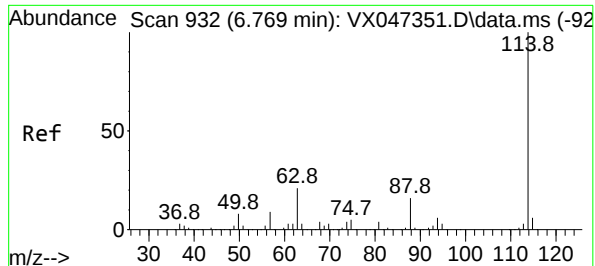
Tgt Ion: 65 Resp: 155820

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325

Tgt Ion:114 Resp: 41560

Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.4

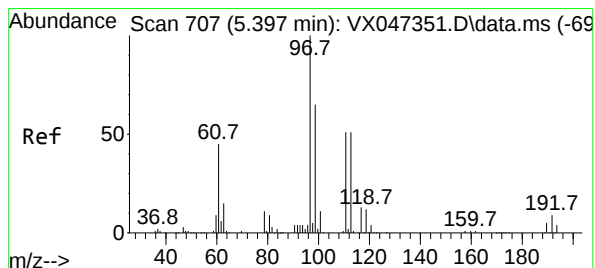
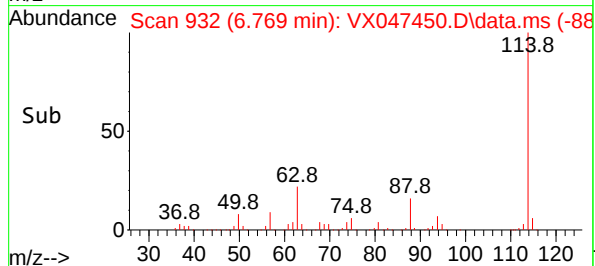
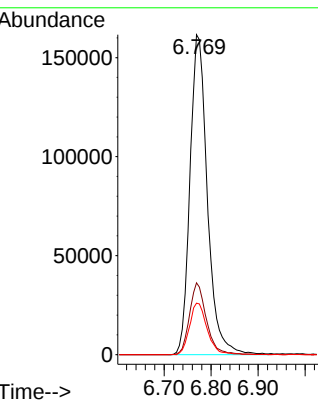
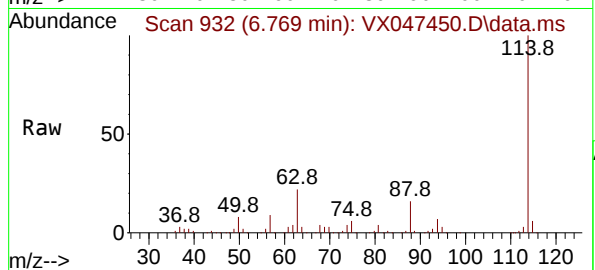
88 16.1 0.0 33.0

Manual Integrations

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Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#35

Dibromofluoromethane

Concen: 48.243 ug/l

RT: 5.403 min Scan# 708

Delta R.T. 0.006 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

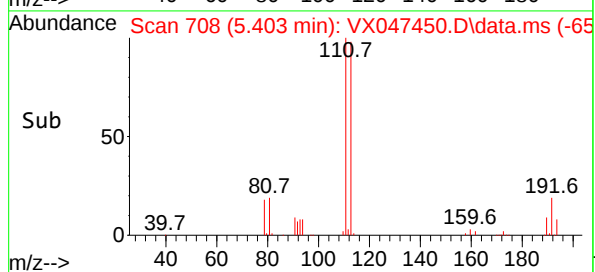
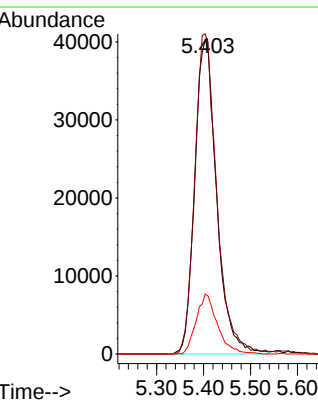
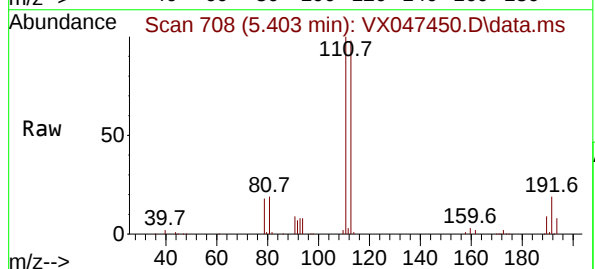
Tgt Ion:113 Resp: 130125

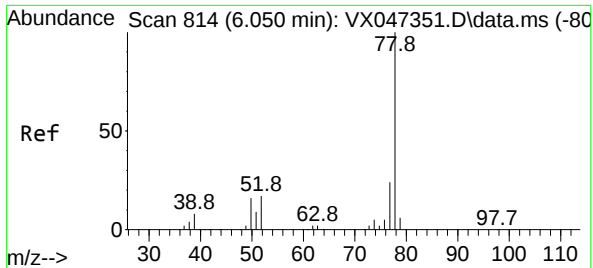
Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.2

192 18.5 14.1 21.1





#40

Benzene

Concen: 1.579 ug/l

RT: 6.056 min Scan# 814

Delta R.T. 0.006 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325

Tgt Ion: 78 Resp: 20120

Ion Ratio Lower Upper

78 100

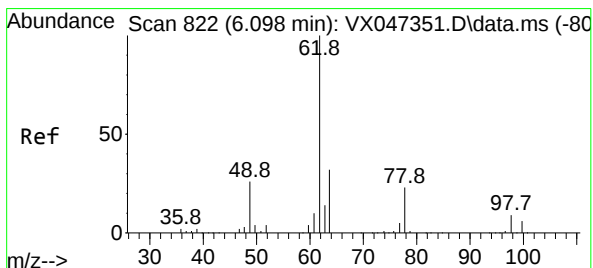
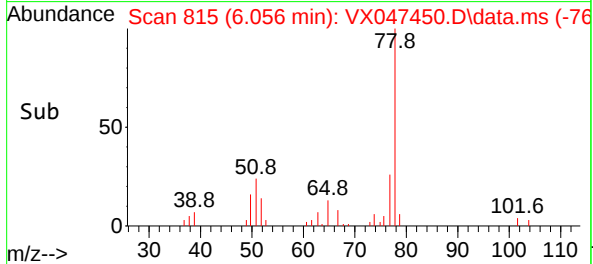
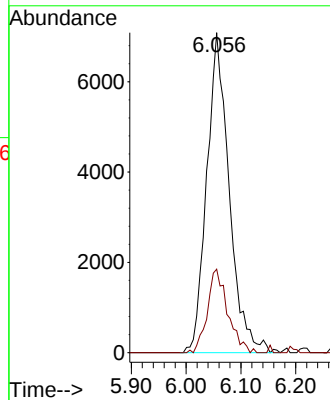
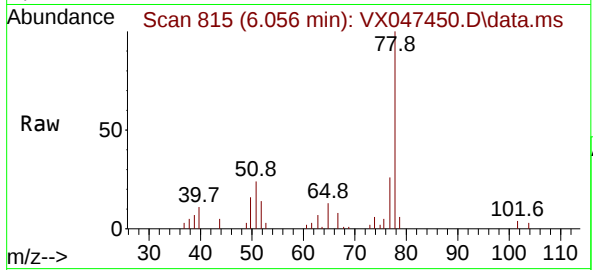
77 24.6 19.0 28.4

Manual Integrations

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Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#42

1,2-Dichloroethane

Concen: 1.642 ug/l

RT: 6.104 min Scan# 823

Delta R.T. 0.006 min

Lab File: VX047450.D

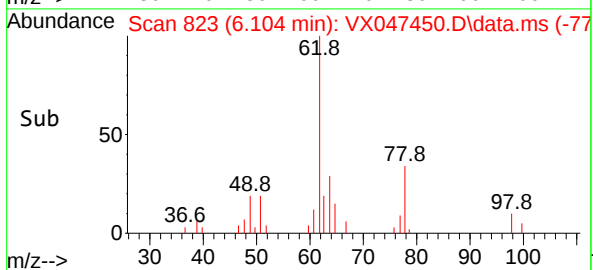
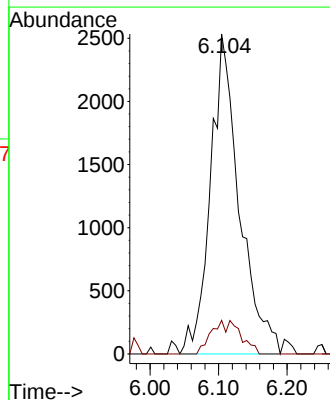
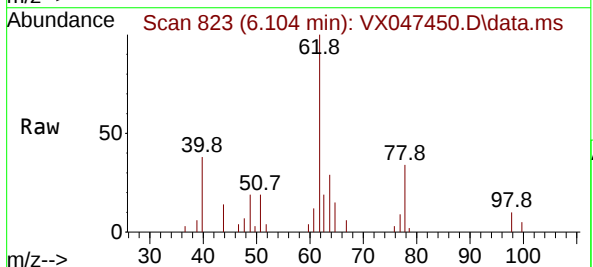
Acq: 20 Aug 2025 17:57

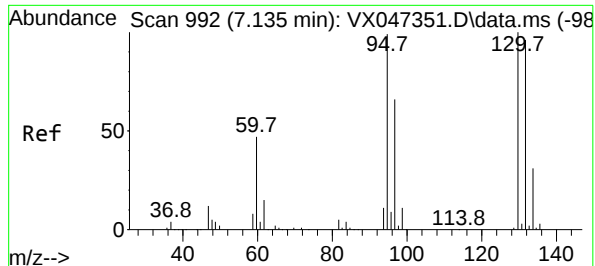
Tgt Ion: 62 Resp: 7414

Ion Ratio Lower Upper

62 100

98 5.6 0.0 18.0





#44

Trichloroethene

Concen: 162.306 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.000 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325

Tgt Ion:130 Resp: 529658

Ion Ratio Lower Upper

130 100

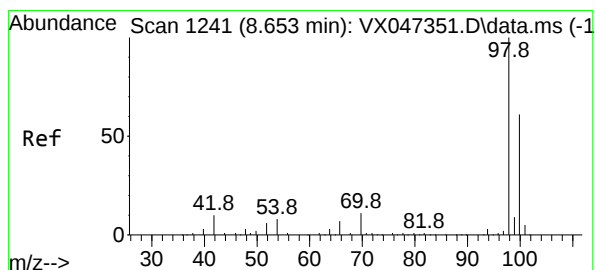
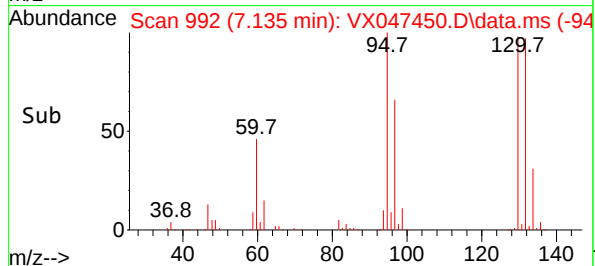
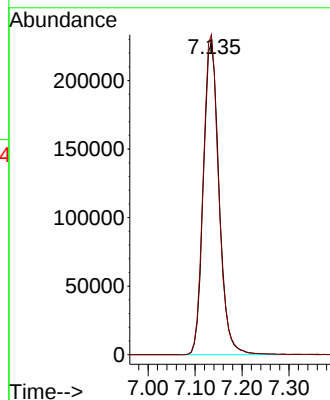
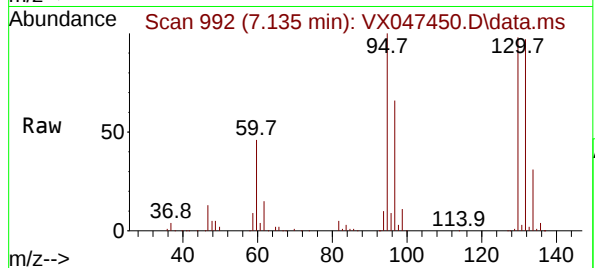
95 102.5 0.0 198.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#50

Toluene-d8

Concen: 49.030 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047450.D

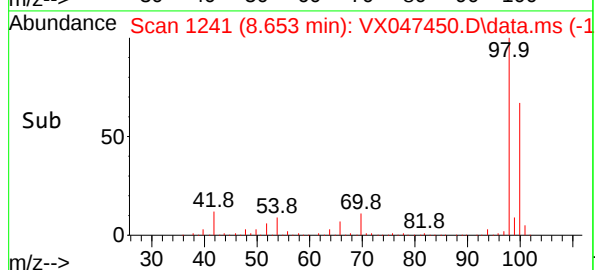
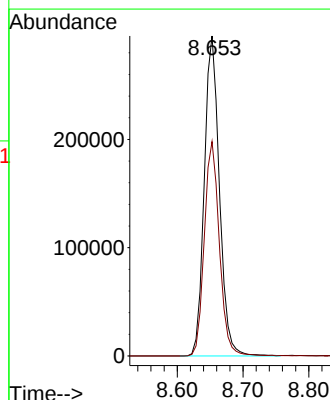
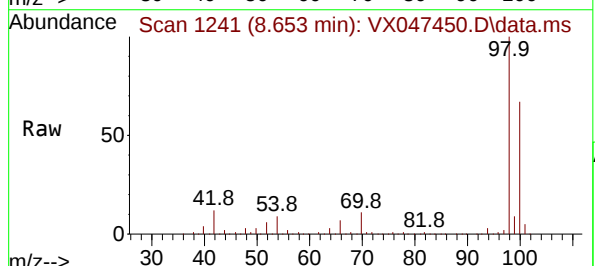
Acq: 20 Aug 2025 17:57

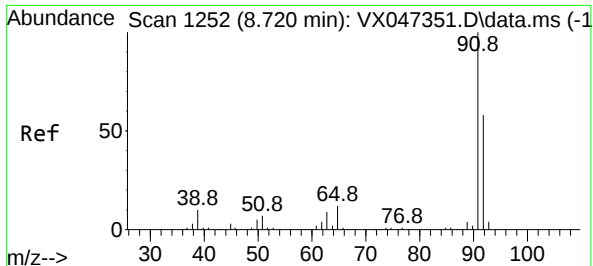
Tgt Ion: 98 Resp: 472687

Ion Ratio Lower Upper

98 100

100 66.9 53.9 80.9





#52

Toluene

Concen: 1.142 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325

Tgt Ion: 92 Resp: 8994

Ion Ratio Lower Upper

92 100

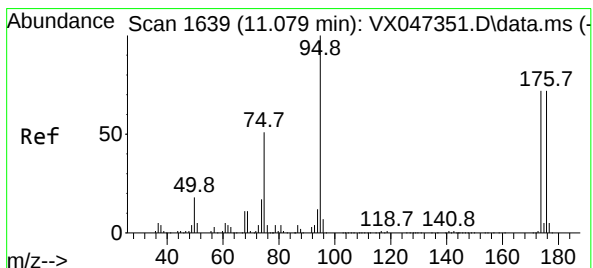
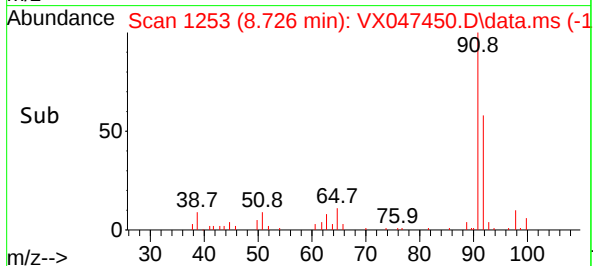
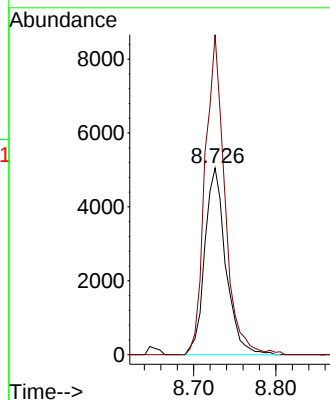
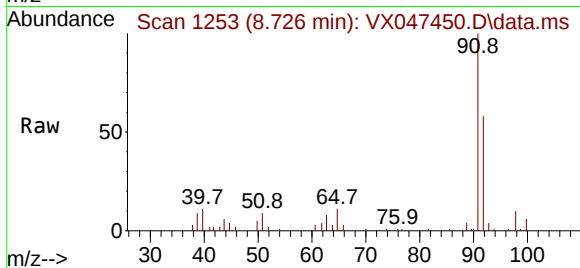
91 160.4 136.3 204.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#62

4-Bromofluorobenzene

Concen: 55.829 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

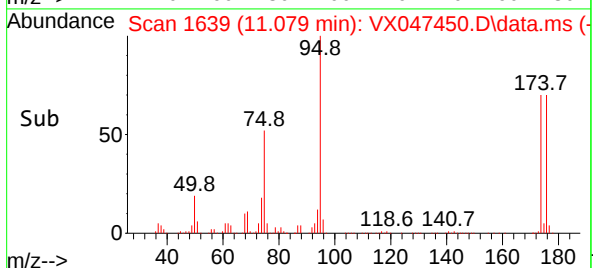
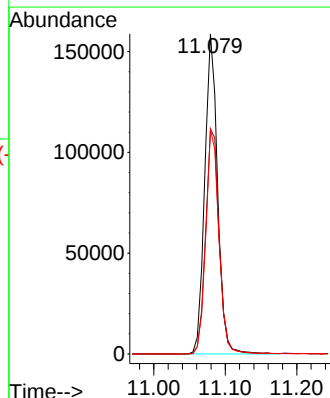
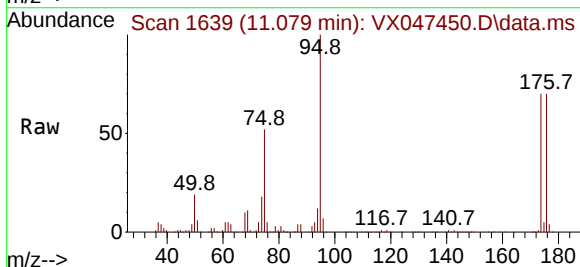
Tgt Ion: 95 Resp: 198622

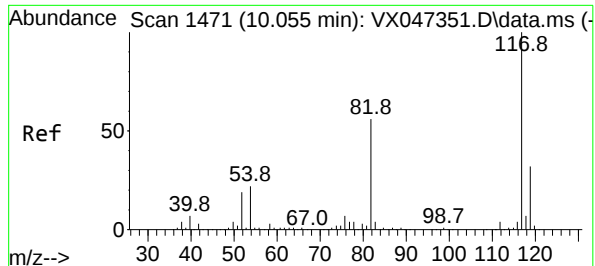
Ion Ratio Lower Upper

95 100

174 74.0 0.0 148.0

176 71.8 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325

Tgt Ion:117 Resp: 41105

Ion Ratio Lower Upper

117 100

82 55.5 45.0 67.4

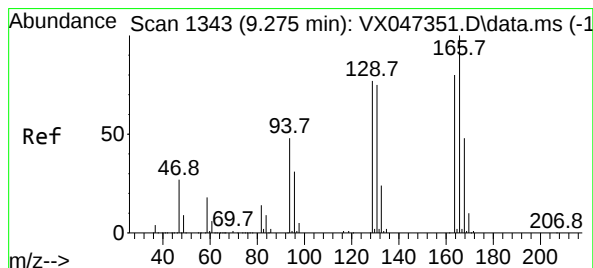
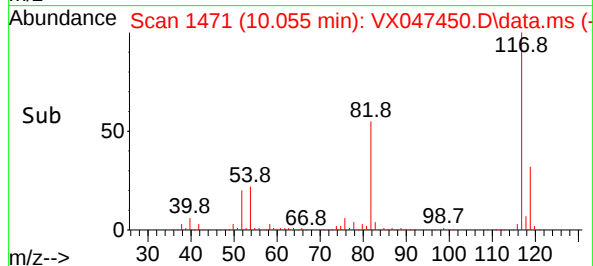
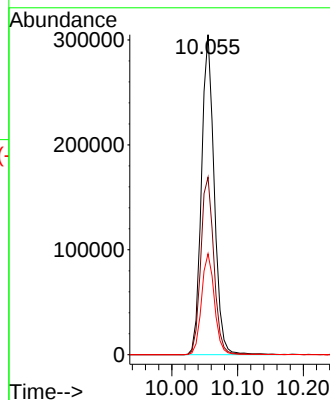
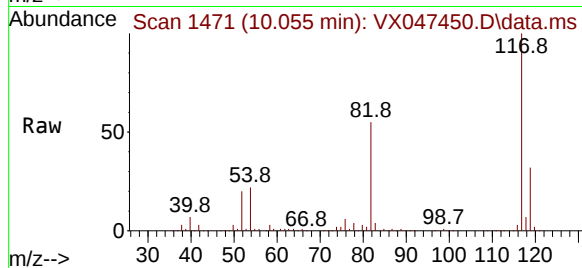
119 31.5 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#64

Tetrachloroethene

Concen: 0.951 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

Tgt Ion:164 Resp: 2827

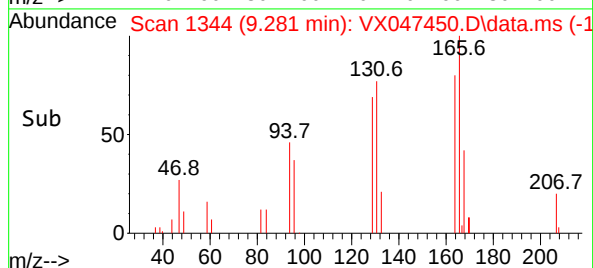
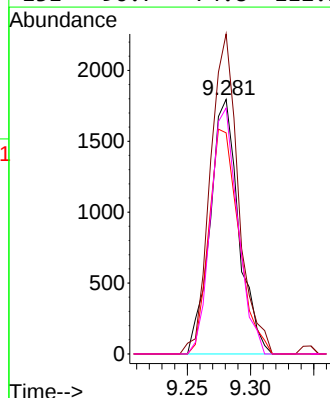
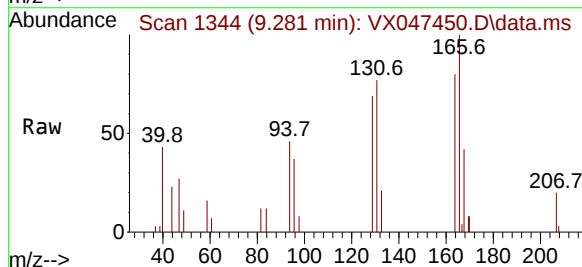
Ion Ratio Lower Upper

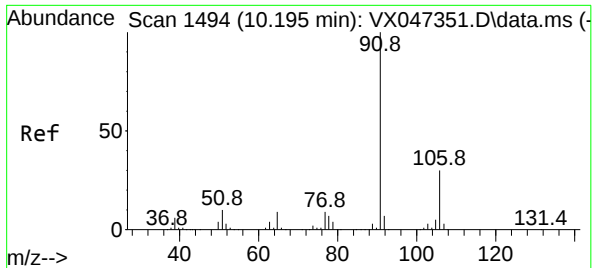
164 100

166 125.7 100.3 150.5

129 86.9 77.7 116.5

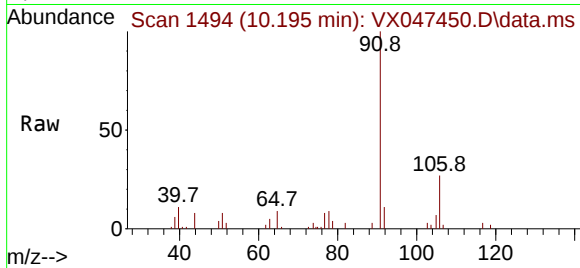
131 96.7 74.8 112.2





#67
Ethyl Benzene
Concen: 0.660 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

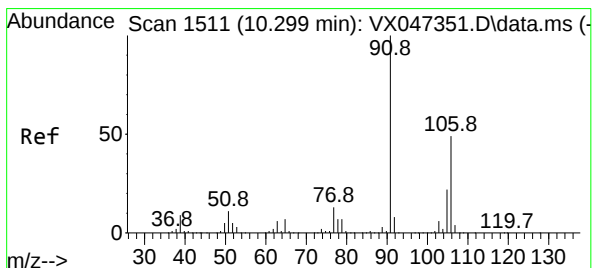
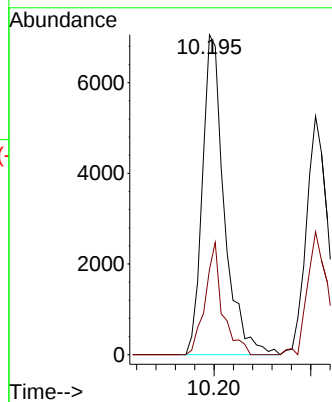
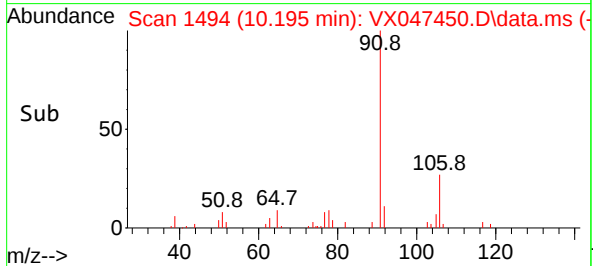
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325



Tgt Ion: 91 Resp: 1109
Ion Ratio Lower Upper
91 100
106 28.7 24.4 36.6

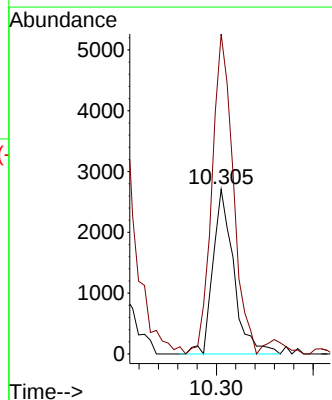
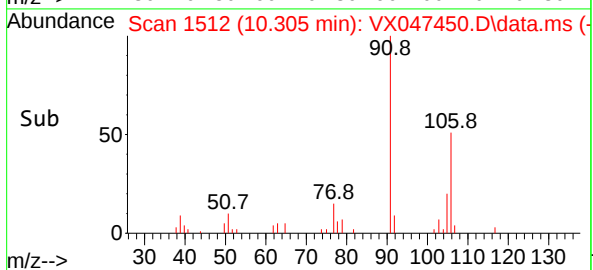
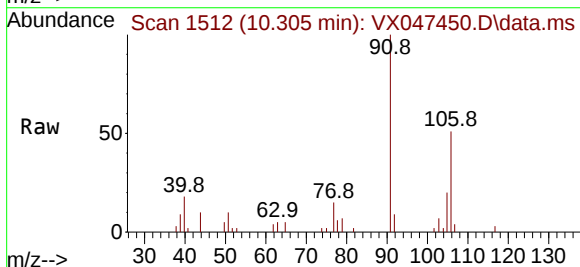
Manual Integrations
APPROVED

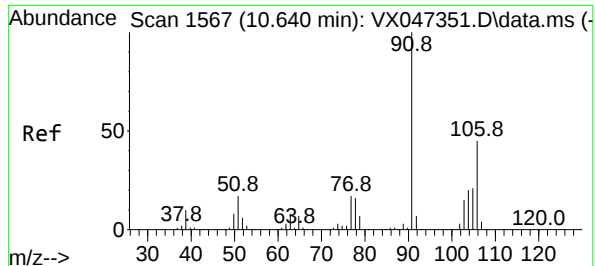
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#68
m/p-Xylenes
Concen: 0.647 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion:106 Resp: 4057
Ion Ratio Lower Upper
106 100
91 197.8 164.7 247.1





#69

o-Xylene

Concen: 0.338 ug/l

RT: 10.646 min Scan# 1567

Delta R.T. 0.006 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325

Tgt Ion:106 Resp: 204

Ion Ratio Lower Upper

106 100

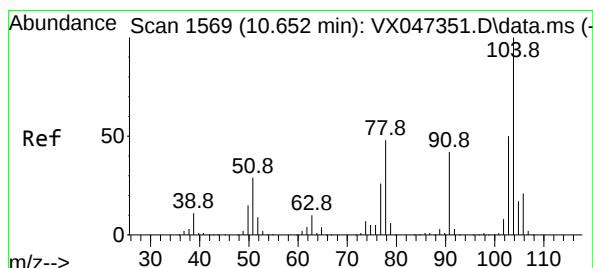
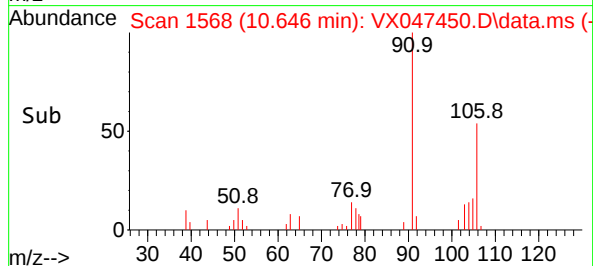
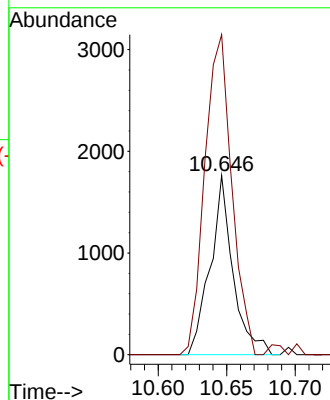
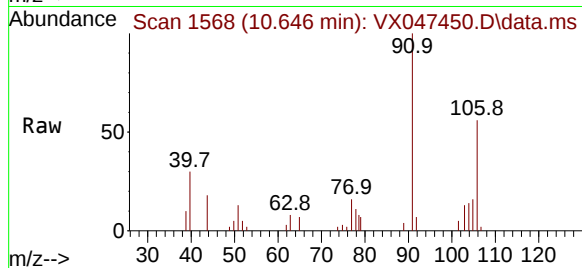
91 211.0 110.6 331.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#70

Styrene

Concen: 0.314 ug/l

RT: 10.665 min Scan# 1571

Delta R.T. 0.012 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

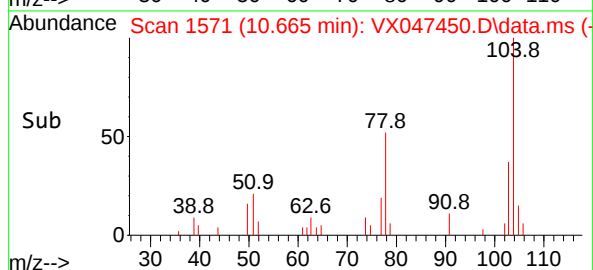
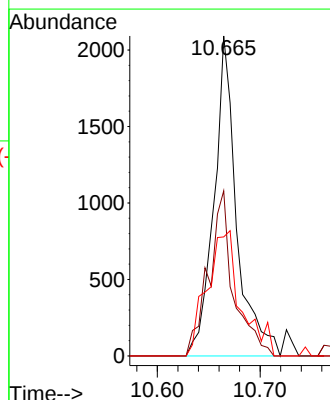
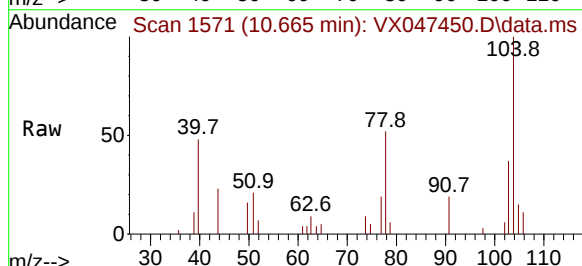
Tgt Ion:104 Resp: 3204

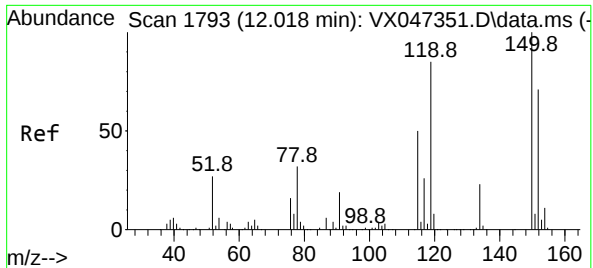
Ion Ratio Lower Upper

104 100

78 56.1 41.8 62.8

103 58.0 43.6 65.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325

Tgt Ion:152 Resp: 20689

Ion Ratio Lower Upper

152 100

115 61.6 44.6 133.8

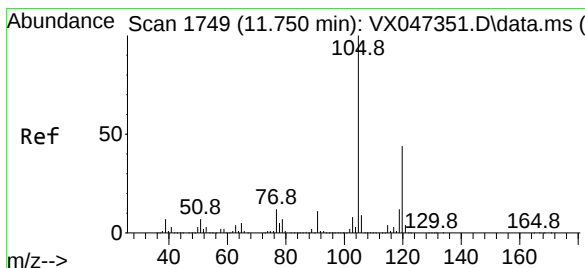
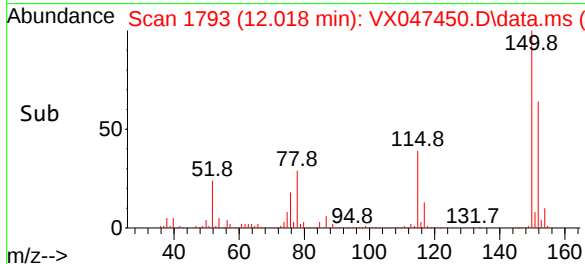
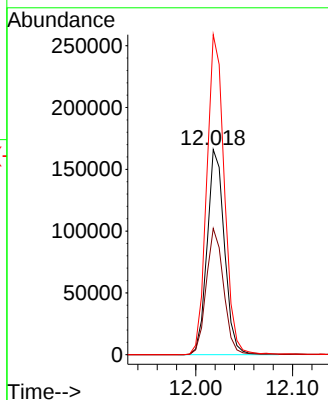
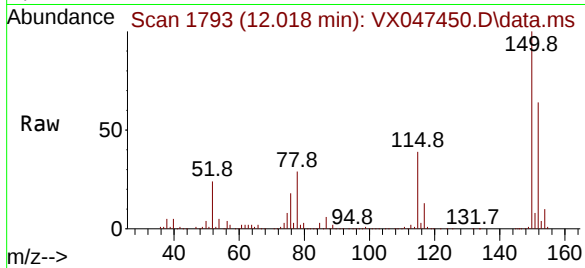
150 158.0 0.0 349.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#84

1,2,4-Trimethylbenzene

Concen: 0.329 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX047450.D

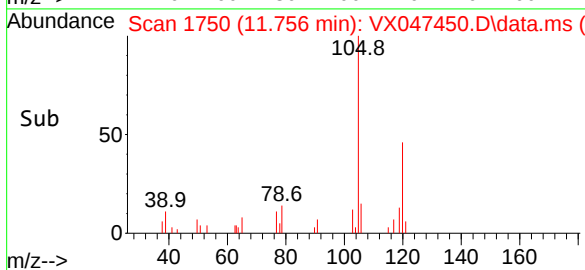
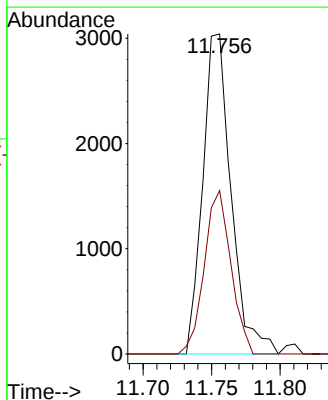
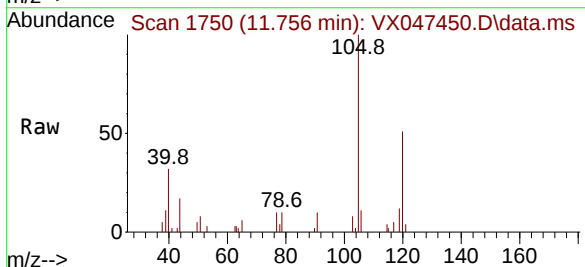
Acq: 20 Aug 2025 17:57

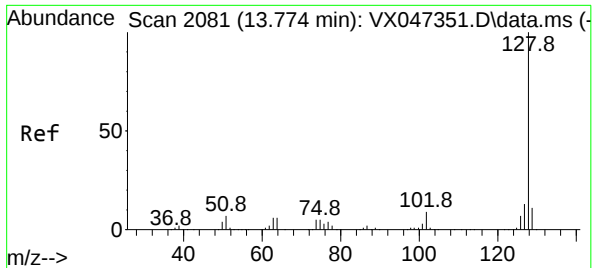
Tgt Ion:105 Resp: 4379

Ion Ratio Lower Upper

105 100

120 47.8 21.9 65.7





#95

Naphthalene

Concen: 15.573 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX047450.D

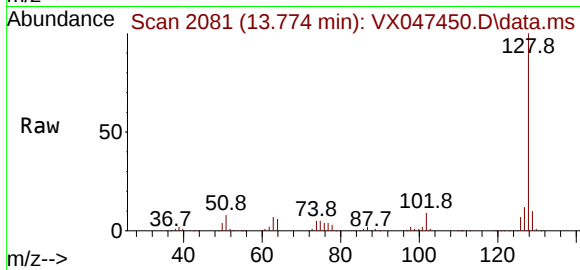
Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325



Tgt Ion:128 Resp: 21389

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

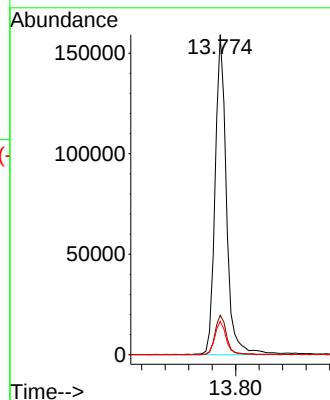
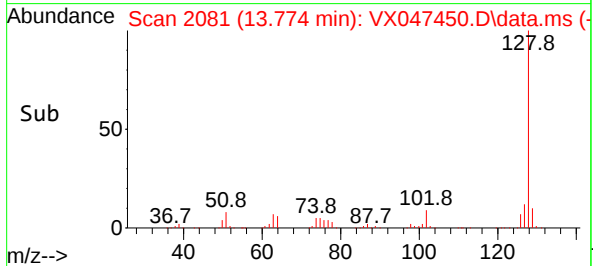
129 10.4 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047451.D
 Acq On : 20 Aug 2025 18:18
 Operator : JC/MD
 Sample : Q2878-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-57.5-081325DL

Quant Time: Aug 21 01:37:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/21/2025
 Supervised By : Mahesh Dadoda 08/22/2025

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	215725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	432331	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	427580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	219266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	168273	55.735	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.480%			
35) Dibromofluoromethane	5.403	113	140124	49.940	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.880%			
50) Toluene-d8	8.653	98	502298	50.085	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.160%			
62) 4-Bromofluorobenzene	11.079	95	211301	57.095	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.180%			
Target Compounds					Qvalue	
4) Vinyl Chloride	1.392	62	15518	4.998	ug/l #	55
9) 1,1,2-Trichlorotrifluo...	2.355	101	921	0.346	ug/l	88
12) 1,1-Dichloroethene	2.337	96	2062	0.759	ug/l	98
16) Acetone	2.398	43	5950	5.243	ug/l	91
17) Carbon Disulfide	2.532	76	4859	0.593	ug/l	98
20) Methylene Chloride	2.812	84	959	0.319	ug/l #	78
21) trans-1,2-Dichloroethene	3.117	96	3018	1.047	ug/l #	87
24) 1,1-Dichloroethane	3.629	63	3602	0.683	ug/l #	93
27) cis-1,2-Dichloroethene	4.507	96	273342	81.407	ug/l	89
29) Tetrahydrofuran	5.056	42	2399m	2.497	ug/l	
40) Benzene	6.062	78	8309	0.627	ug/l	94
44) Trichloroethene	7.135	130	49879	14.693	ug/l	94
52) Toluene	8.726	92	4849	0.592	ug/l	91
67) Ethyl Benzene	10.201	91	7353	0.420	ug/l	100
68) m/p-Xylenes	10.305	106	2534	0.389	ug/l	93
95) Naphthalene	13.774	128	140385	9.645	ug/l	100

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

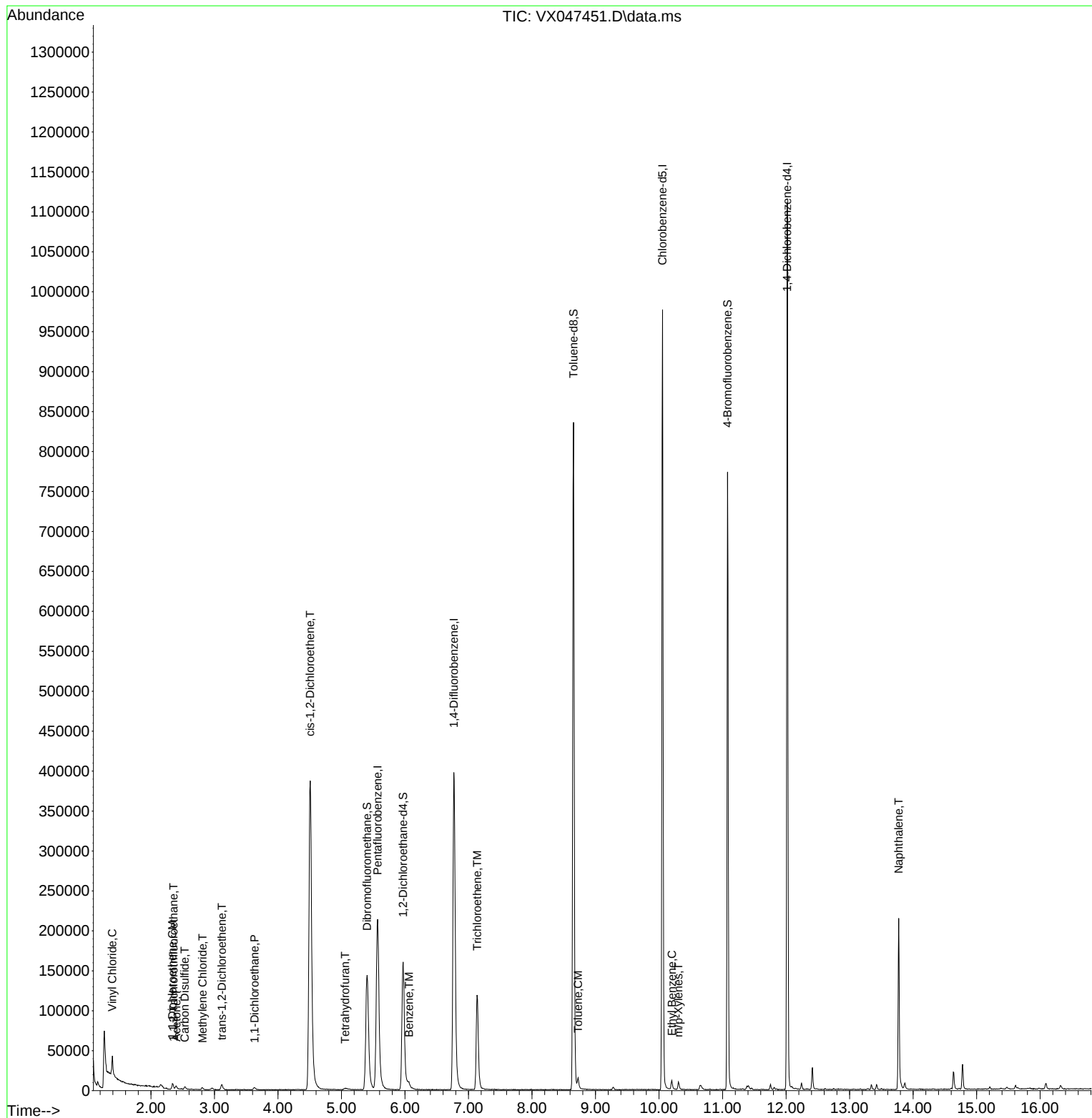
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Data File : VX047451.D
Acq On : 20 Aug 2025 18:18
Operator : JC/MD
Sample : Q2878-01DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

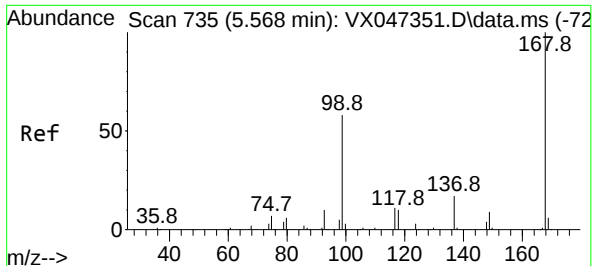
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL

Quant Time: Aug 21 01:37:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

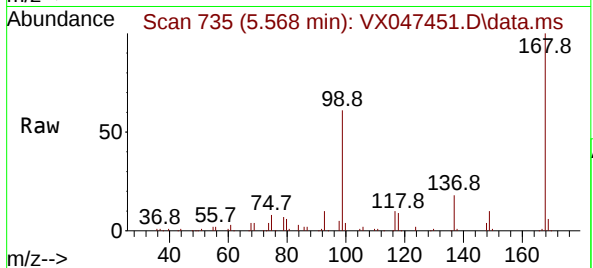
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

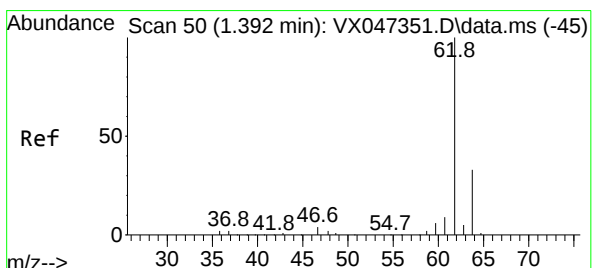
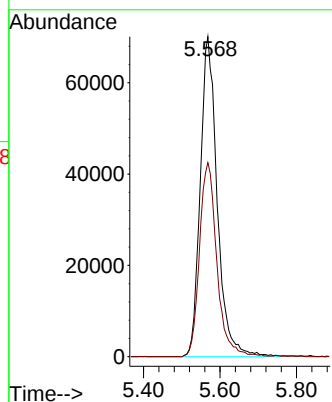
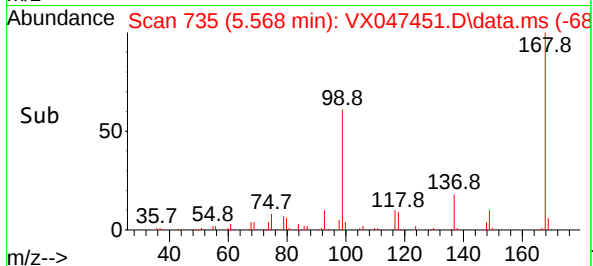
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL



Tgt Ion: 168 Resp: 21572
Ion Ratio Lower Upper
168 100
99 60.7 47.9 71.9

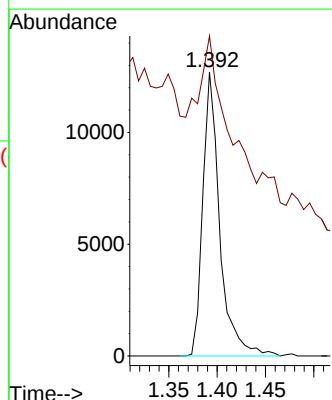
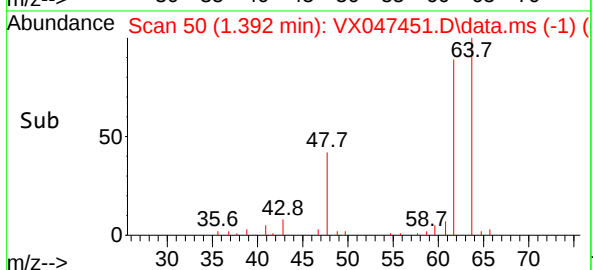
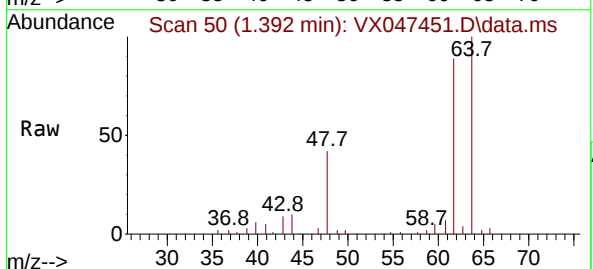
Manual Integrations
APPROVED

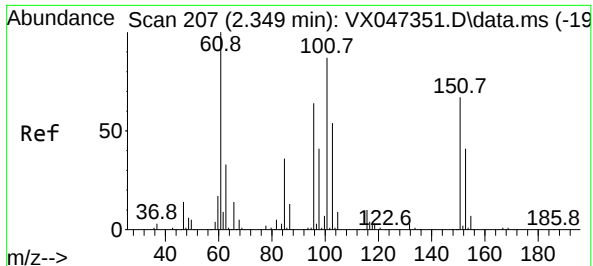
Reviewed By : John Carlone 08/21/2025
Supervised By : Mahesh Dadoda 08/22/2025



#4
Vinyl Chloride
Concen: 4.998 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

Tgt Ion: 62 Resp: 15518
Ion Ratio Lower Upper
62 100
64 58.7 26.5 39.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.346 ug/l

RT: 2.355 min Scan# 207

Delta R.T. 0.006 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325DL

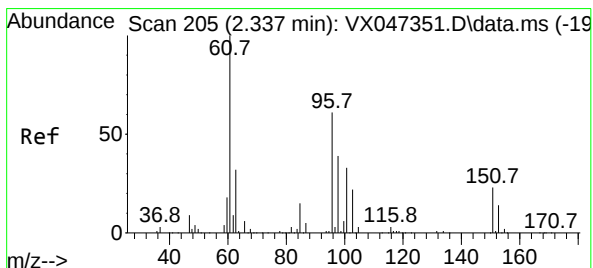
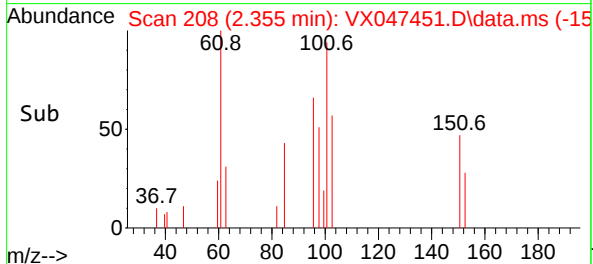
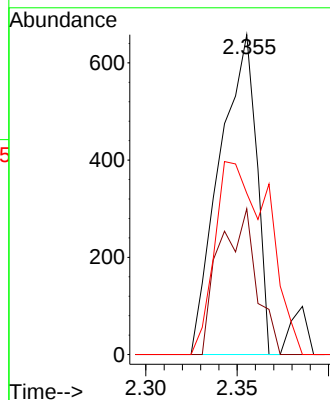
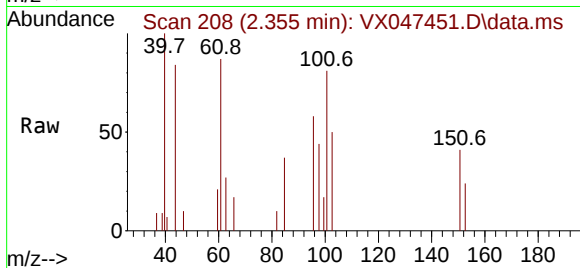
Tgt Ion:	101	Resp:	92
Ion Ratio	Lower	Upper	
101	100		
85	46.0	34.3	51.5
151	87.9	59.2	88.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#12

1,1-Dichloroethene

Concen: 0.759 ug/l

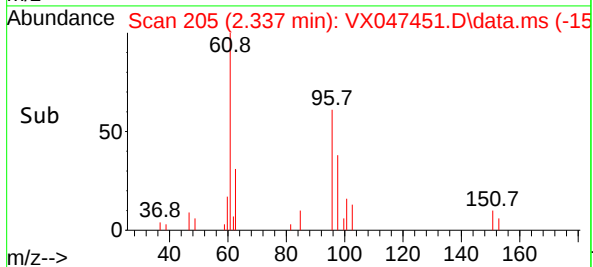
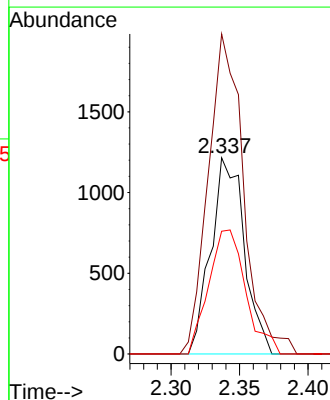
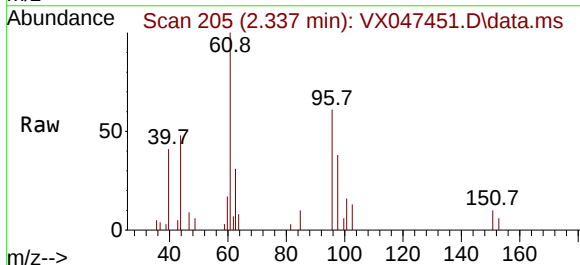
RT: 2.337 min Scan# 205

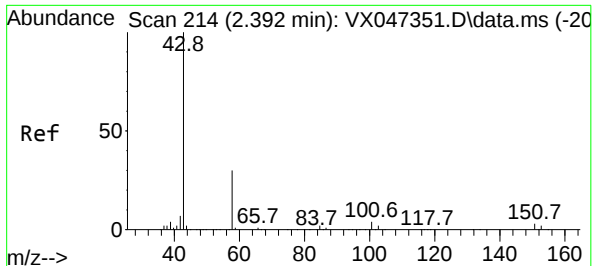
Delta R.T. 0.000 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

Tgt Ion:	96	Resp:	2062
Ion Ratio	Lower	Upper	
96	100		
61	163.1	132.2	198.2
98	62.6	51.2	76.8





#16

Acetone

Concen: 5.243 ug/l

RT: 2.398 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325DL

Tgt Ion: 43 Resp: 5950

Ion Ratio Lower Upper

43

100

58

36.2

24.8

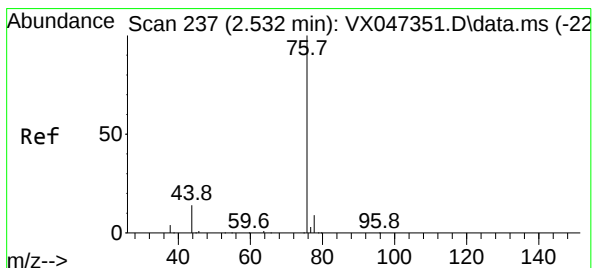
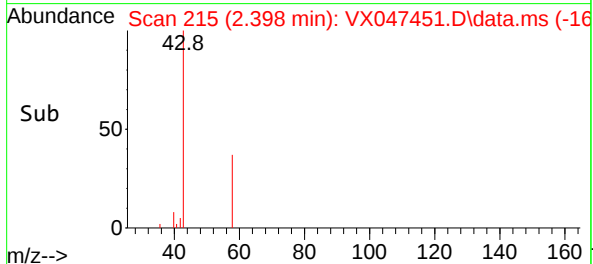
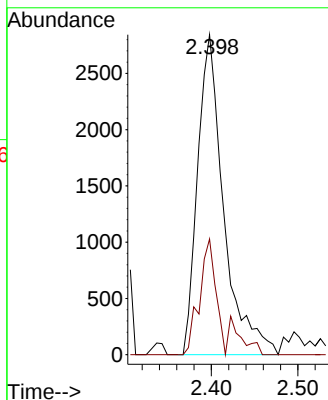
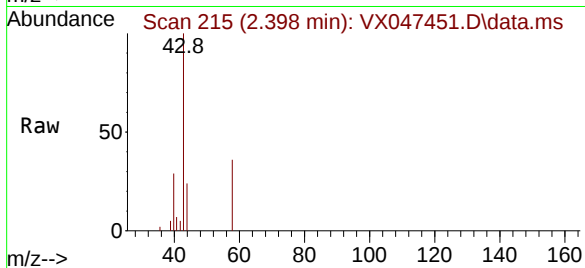
37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#17

Carbon Disulfide

Concen: 0.593 ug/l

RT: 2.532 min Scan# 237

Delta R.T. 0.000 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

Tgt Ion: 76 Resp: 4859

Ion Ratio Lower Upper

76

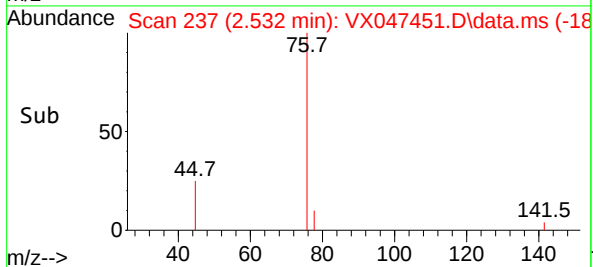
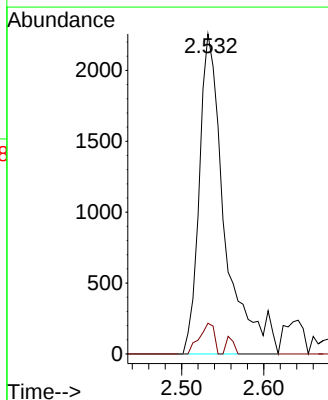
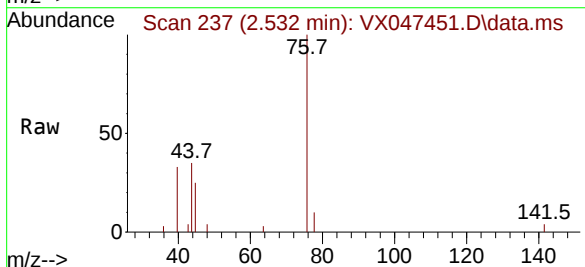
100

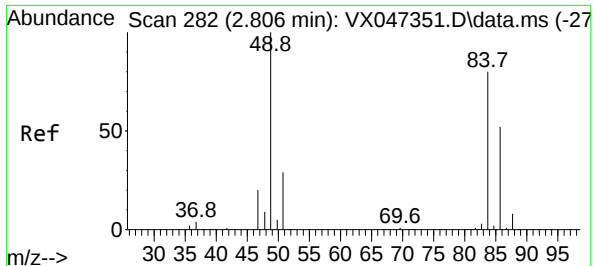
78

9.6

7.2

10.8





#20

Methylene Chloride

Concen: 0.319 ug/l

RT: 2.812 min Scan# 282

Delta R.T. 0.006 min

Lab File: VX047451.D

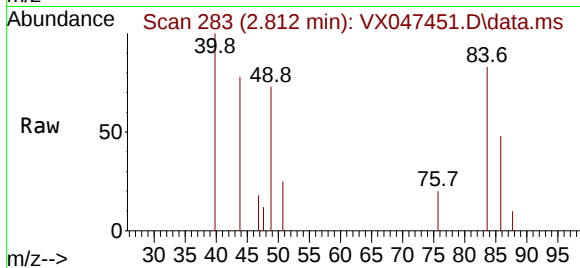
Acq: 20 Aug 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325DL



Tgt Ion: 84 Resp: 959

Ion Ratio Lower Upper

84 100

49 88.2 100.1 150.1

51 30.3 29.5 44.3

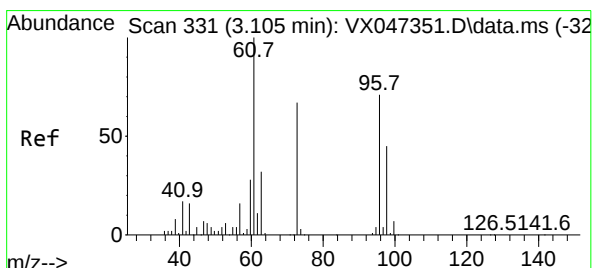
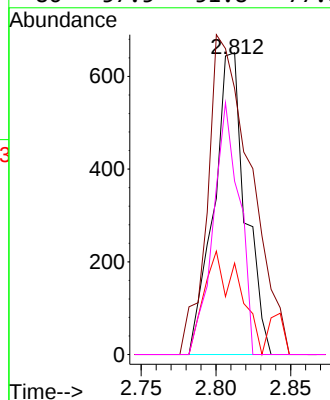
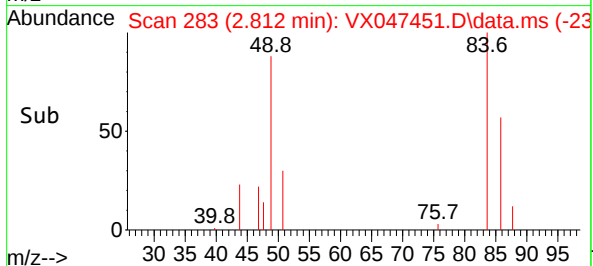
86 57.5 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#21

trans-1,2-Dichloroethene

Concen: 1.047 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.012 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

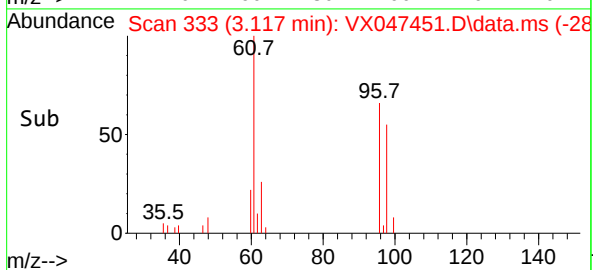
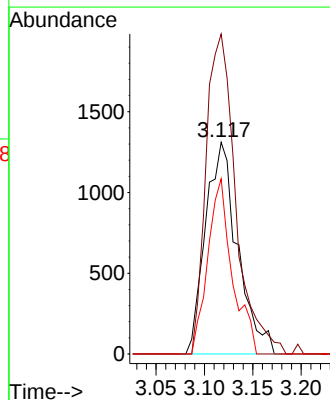
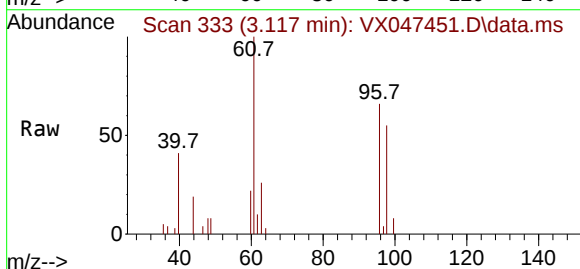
Tgt Ion: 96 Resp: 3018

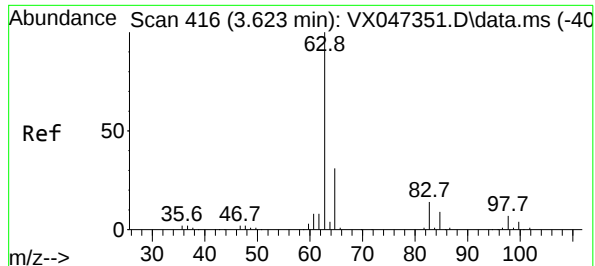
Ion Ratio Lower Upper

96 100

61 151.1 112.6 169.0

98 82.8 50.9 76.3





#24

1,1-Dichloroethane

Concen: 0.683 ug/l

RT: 3.629 min Scan# 416

Delta R.T. 0.006 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

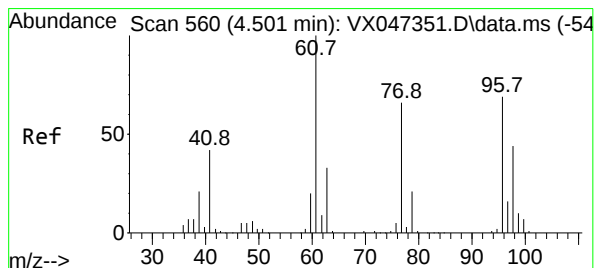
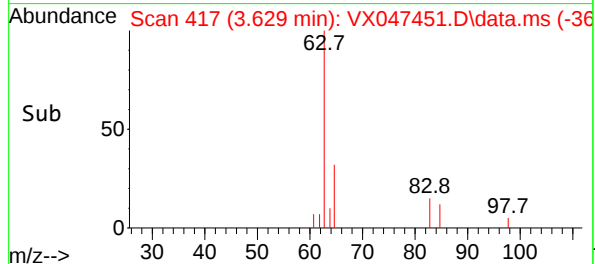
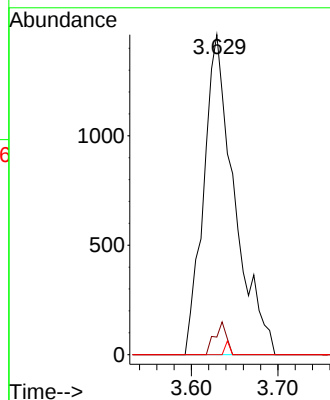
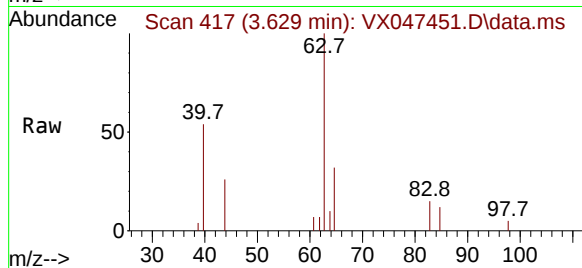
MW-18B-57.5-081325DL

Tgt Ion: 63	Resp: 360
Ion Ratio	Lower Upper
63 100	
98 5.5	3.3 9.9
100 0.0	2.1 6.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#27

cis-1,2-Dichloroethene

Concen: 81.407 ug/l

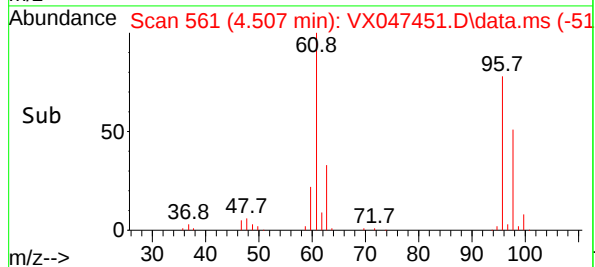
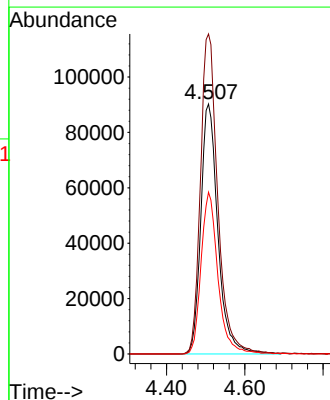
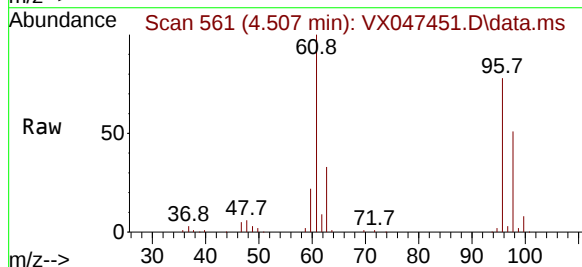
RT: 4.507 min Scan# 561

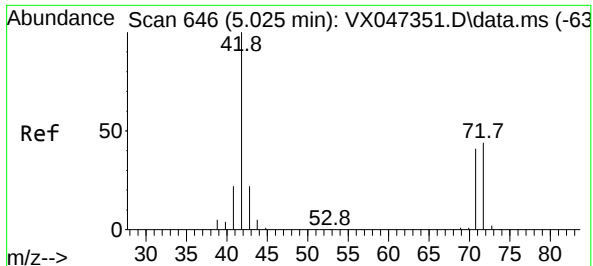
Delta R.T. 0.006 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

Tgt Ion: 96	Resp: 273342
Ion Ratio	Lower Upper
96 100	
61 129.7	0.0 296.6
98 63.7	0.0 130.4





#29

Tetrahydrofuran

Concen: 2.497 ug/l m

RT: 5.056 min Scan# 6

Delta R.T. 0.031 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

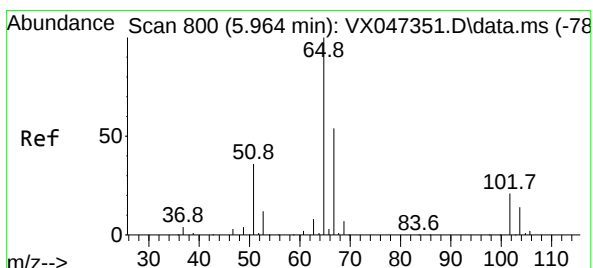
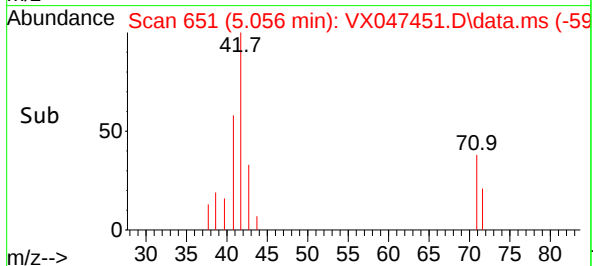
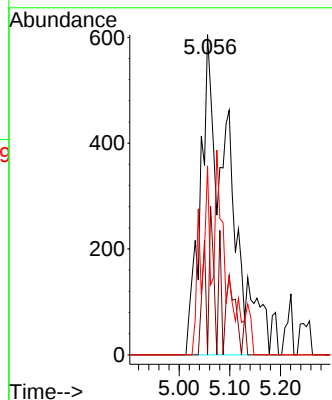
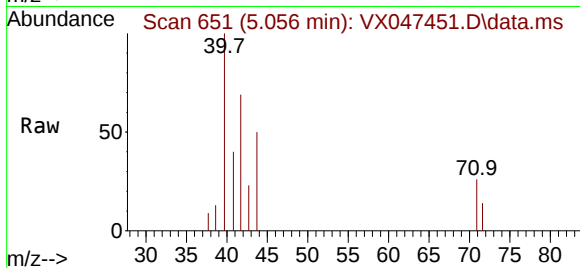
MW-18B-57.5-081325DL

Tgt Ion:	42	Resp:	239
Ion	Ratio	Lower	Upper
42	100		
72	6.8	34.6	51.8
71	17.4	32.6	49.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#33

1,2-Dichloroethane-d4

Concen: 55.735 ug/l

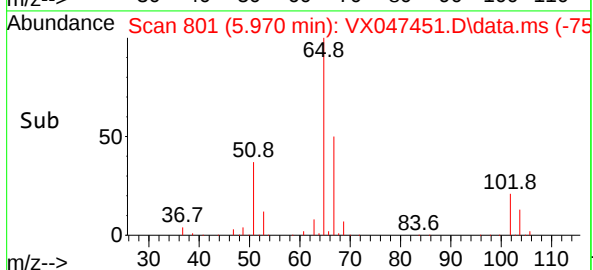
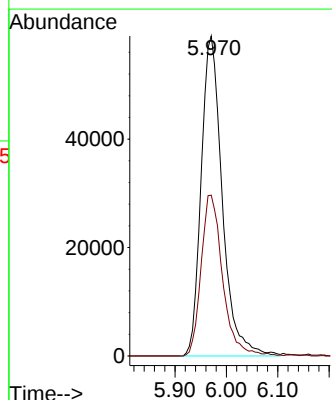
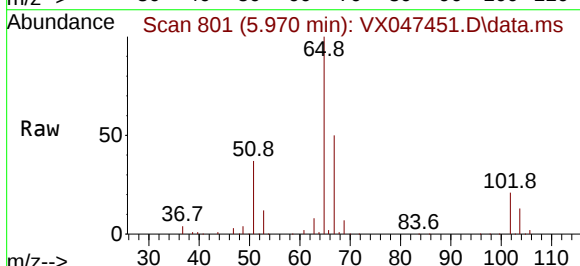
RT: 5.970 min Scan# 801

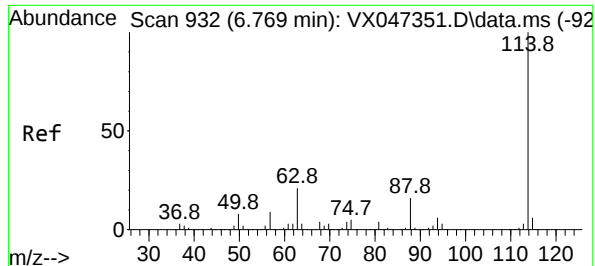
Delta R.T. 0.006 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

Tgt Ion:	65	Resp:	168273
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325DL

Tgt Ion:114 Resp: 43233

Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.4

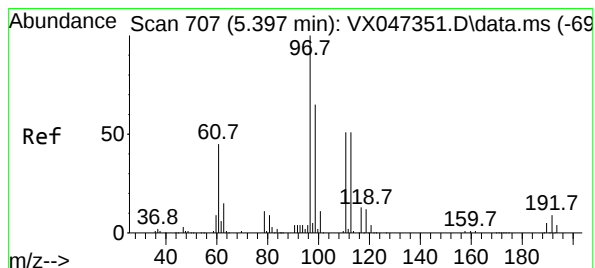
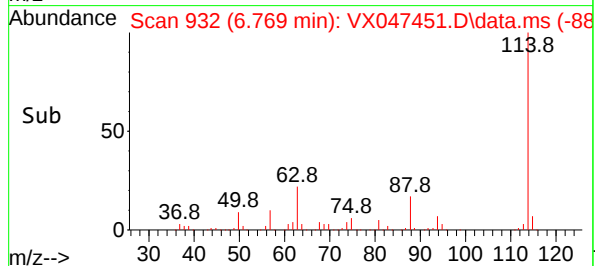
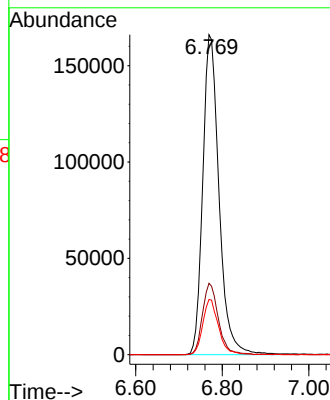
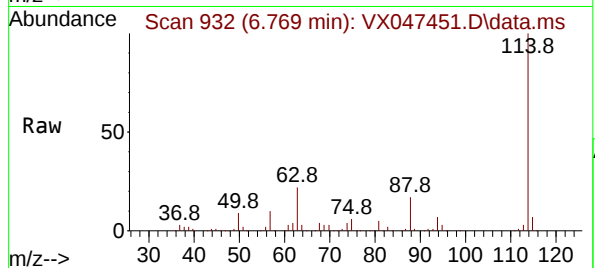
88 17.2 0.0 33.0

Manual Integrations

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Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#35

Dibromofluoromethane

Concen: 49.940 ug/l

RT: 5.403 min Scan# 708

Delta R.T. 0.006 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

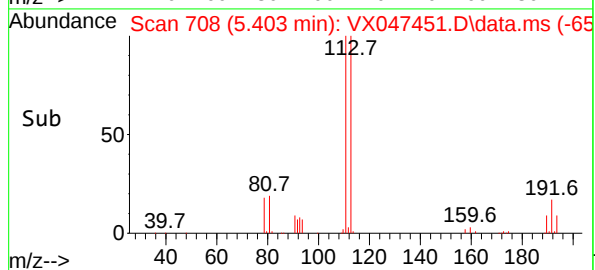
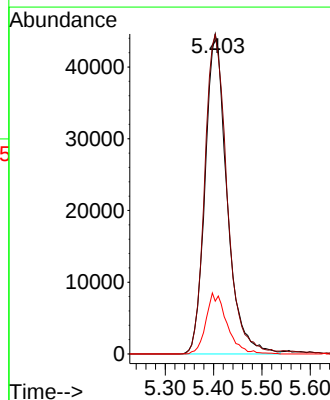
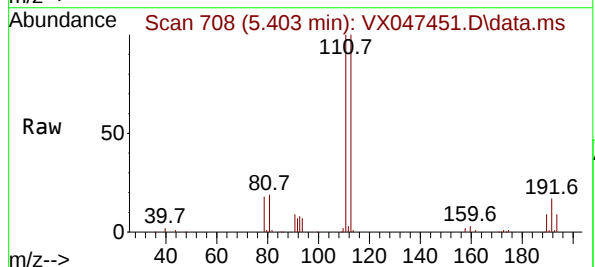
Tgt Ion:113 Resp: 140124

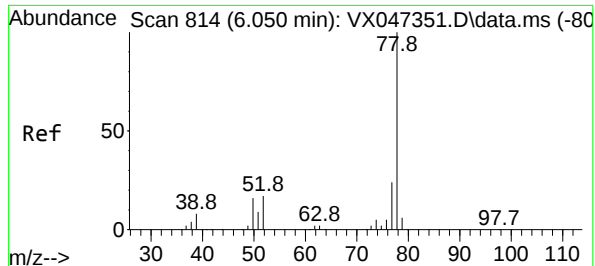
Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.2

192 18.4 14.1 21.1





#40

Benzene

Concen: 0.627 ug/l

RT: 6.062 min Scan# 814

Delta R.T. 0.012 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325DL

Tgt Ion: 78 Resp: 8309

Ion Ratio Lower Upper

78 100

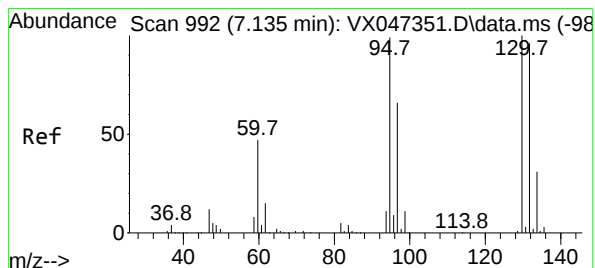
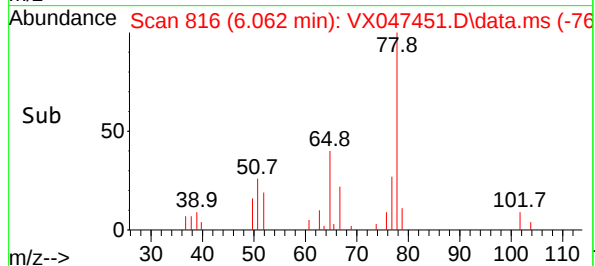
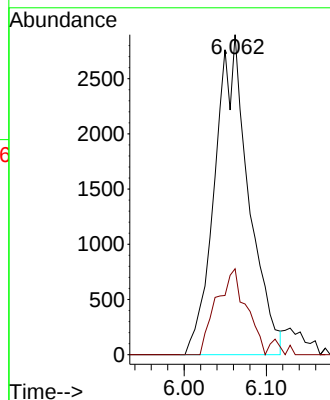
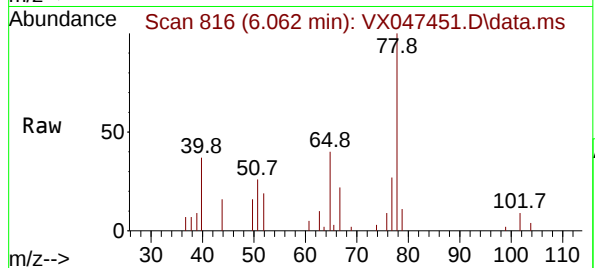
77 26.8 19.0 28.4

Manual Integrations

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Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#44

Trichloroethene

Concen: 14.693 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.000 min

Lab File: VX047451.D

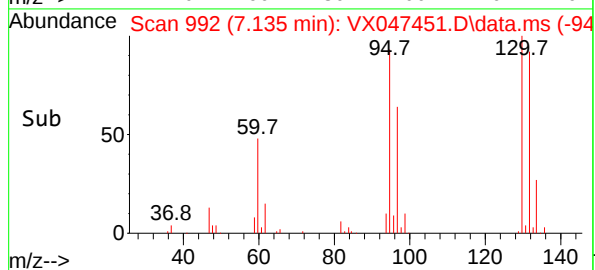
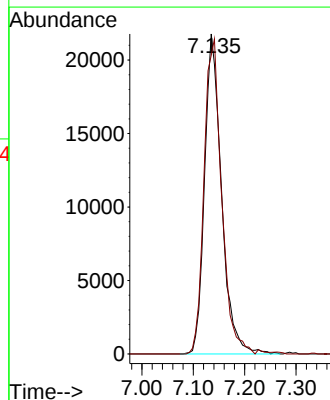
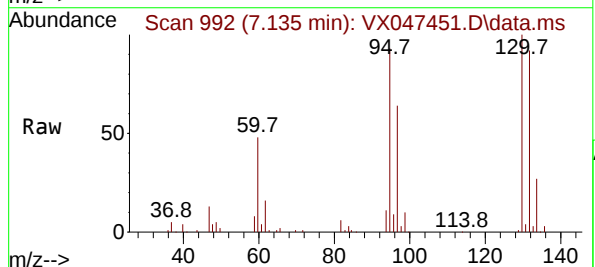
Acq: 20 Aug 2025 18:18

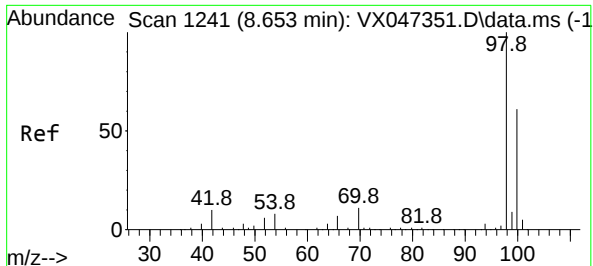
Tgt Ion:130 Resp: 49879

Ion Ratio Lower Upper

130 100

95 93.4 0.0 198.6





#50

Toluene-d8

Concen: 50.085 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325DL

Tgt Ion: 98 Resp: 502298

Ion Ratio Lower Upper

98 100

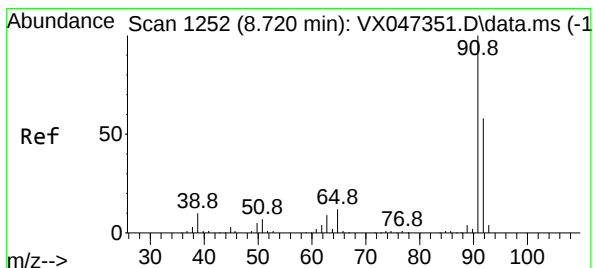
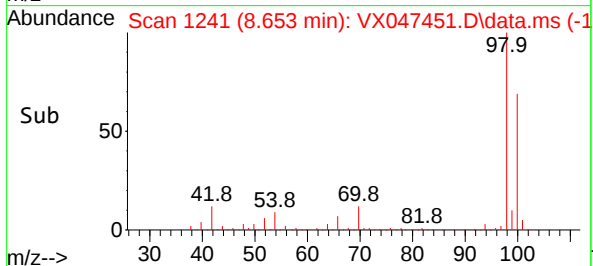
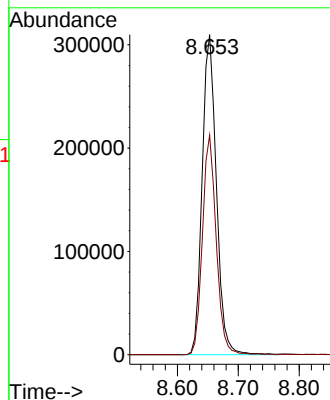
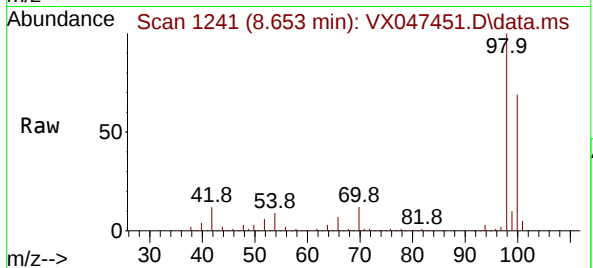
100 66.6 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#52

Toluene

Concen: 0.592 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX047451.D

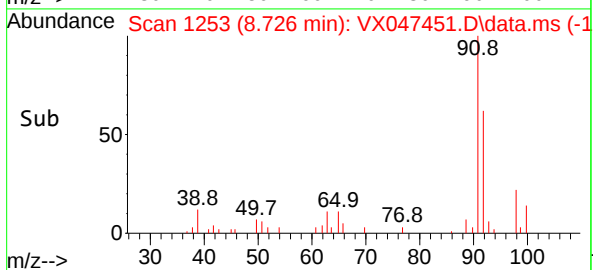
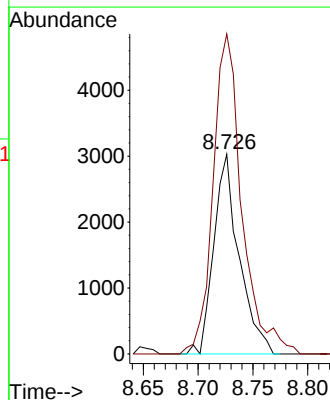
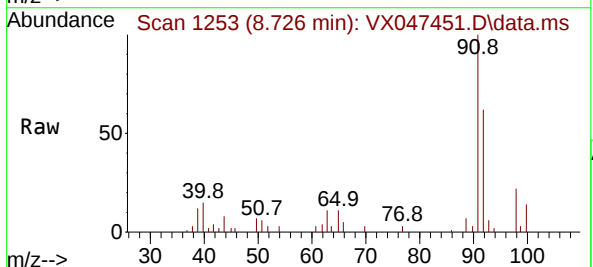
Acq: 20 Aug 2025 18:18

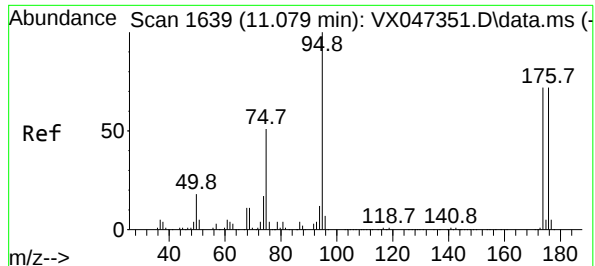
Tgt Ion: 92 Resp: 4849

Ion Ratio Lower Upper

92 100

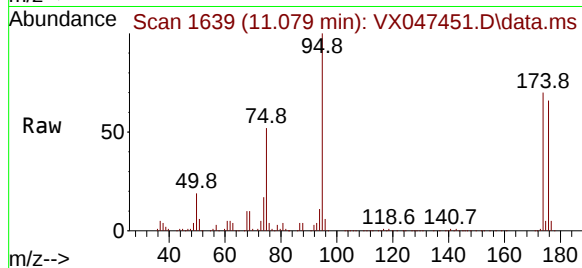
91 182.9 136.3 204.5





#62
4-Bromofluorobenzene
Concen: 57.095 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

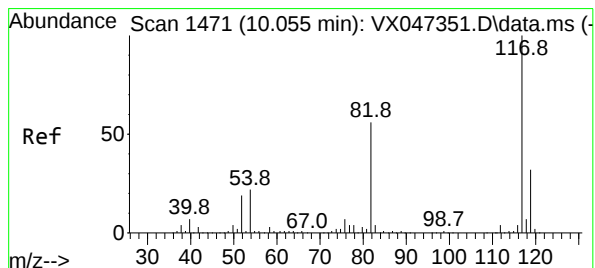
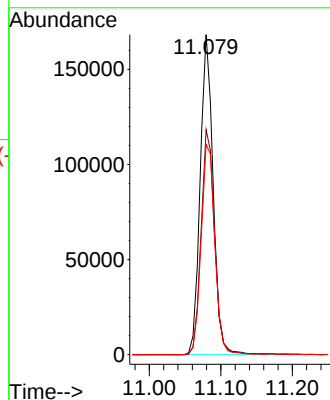
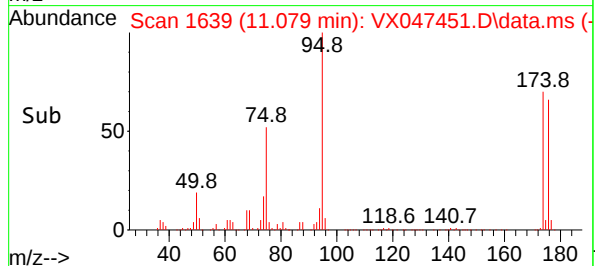
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL



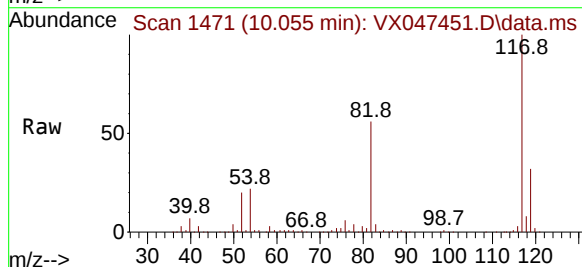
Tgt Ion: 95 Resp: 21130
Ion Ratio Lower Upper
95 100
174 73.3 0.0 148.0
176 69.5 0.0 145.4

Manual Integrations
APPROVED

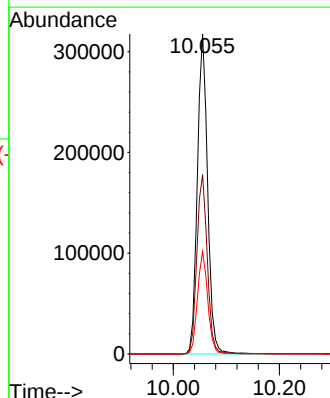
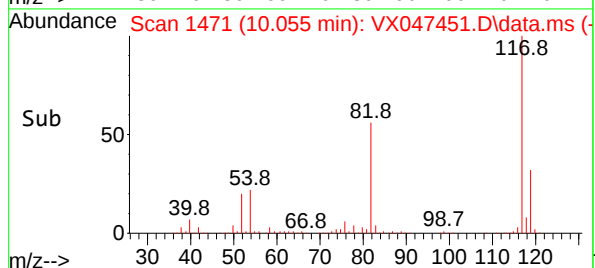
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

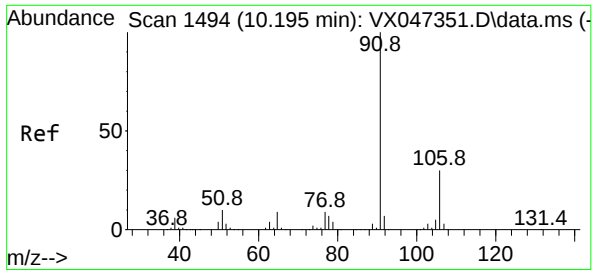


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18



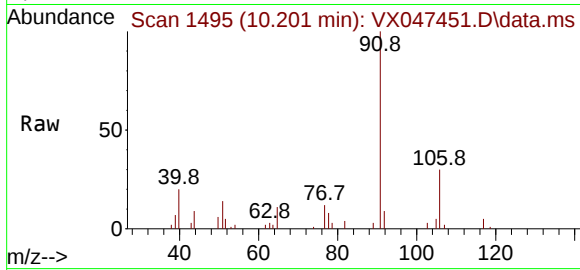
Tgt Ion:117 Resp: 427580
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.4
119 32.0 25.8 38.8





#67
Ethyl Benzene
Concen: 0.420 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18

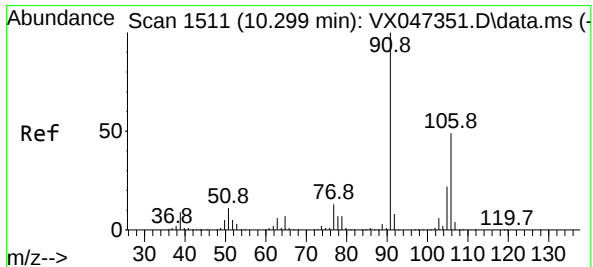
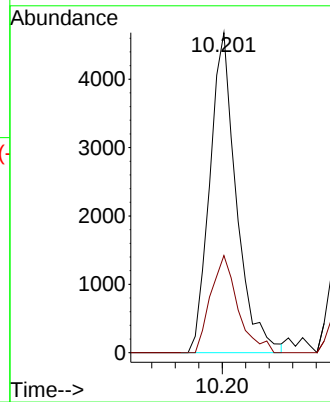
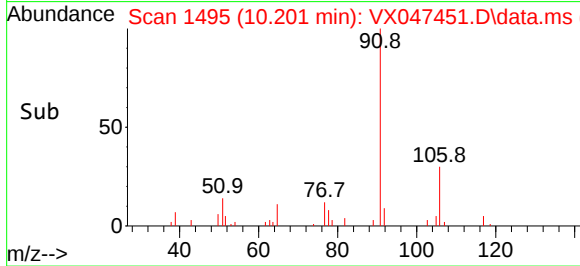
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325DL



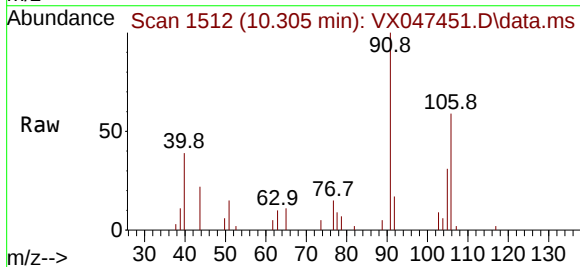
Tgt Ion: 91 Resp: 735
Ion Ratio Lower Upper
91 100
106 30.4 24.4 36.6

Manual Integrations
APPROVED

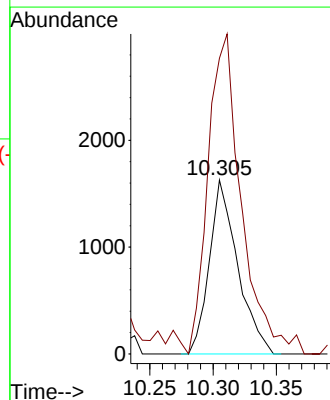
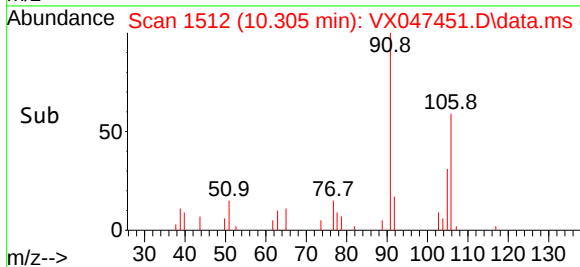
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

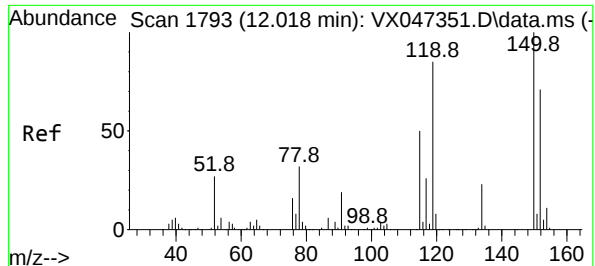


#68
m/p-Xylenes
Concen: 0.389 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX047451.D
Acq: 20 Aug 2025 18:18



Tgt Ion:106 Resp: 2534
Ion Ratio Lower Upper
106 100
91 216.9 164.7 247.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325DL

Tgt Ion:152 Resp: 219260

Ion Ratio Lower Upper

152 100

115 63.4 44.6 133.8

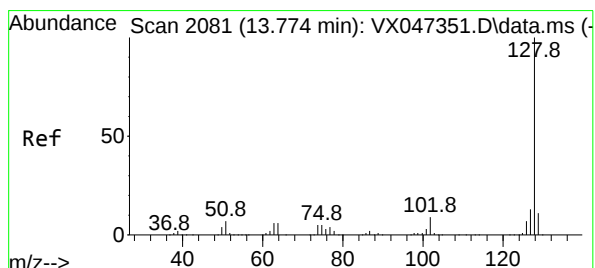
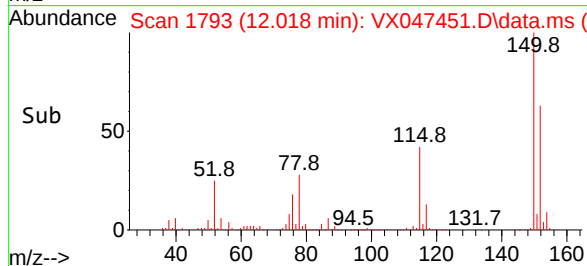
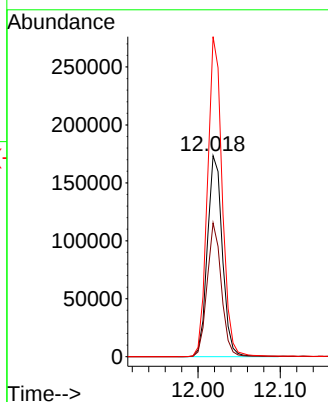
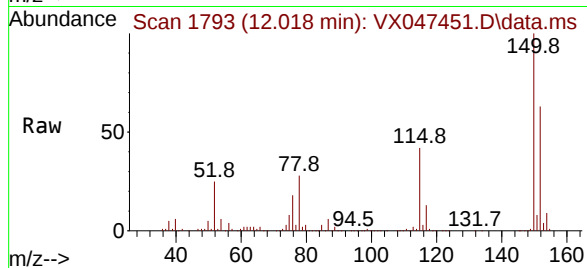
150 156.6 0.0 349.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#95

Naphthalene

Concen: 9.645 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX047451.D

Acq: 20 Aug 2025 18:18

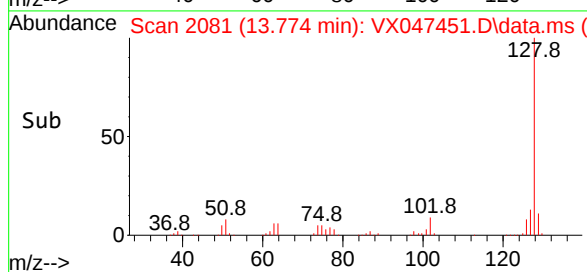
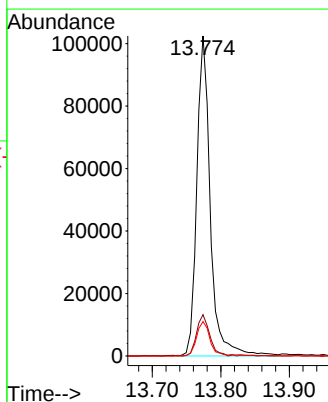
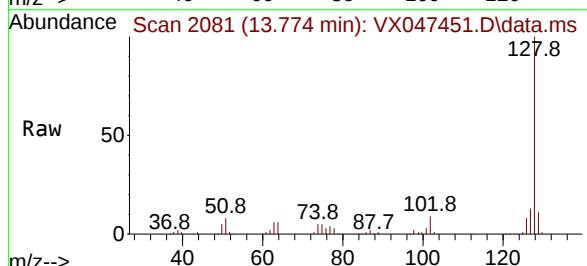
Tgt Ion:128 Resp: 140385

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

129 10.7 8.7 13.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047452.D
 Acq On : 20 Aug 2025 18:40
 Operator : JC/MD
 Sample : Q2878-05 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A-37.5-081425

Quant Time: Aug 21 01:38:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

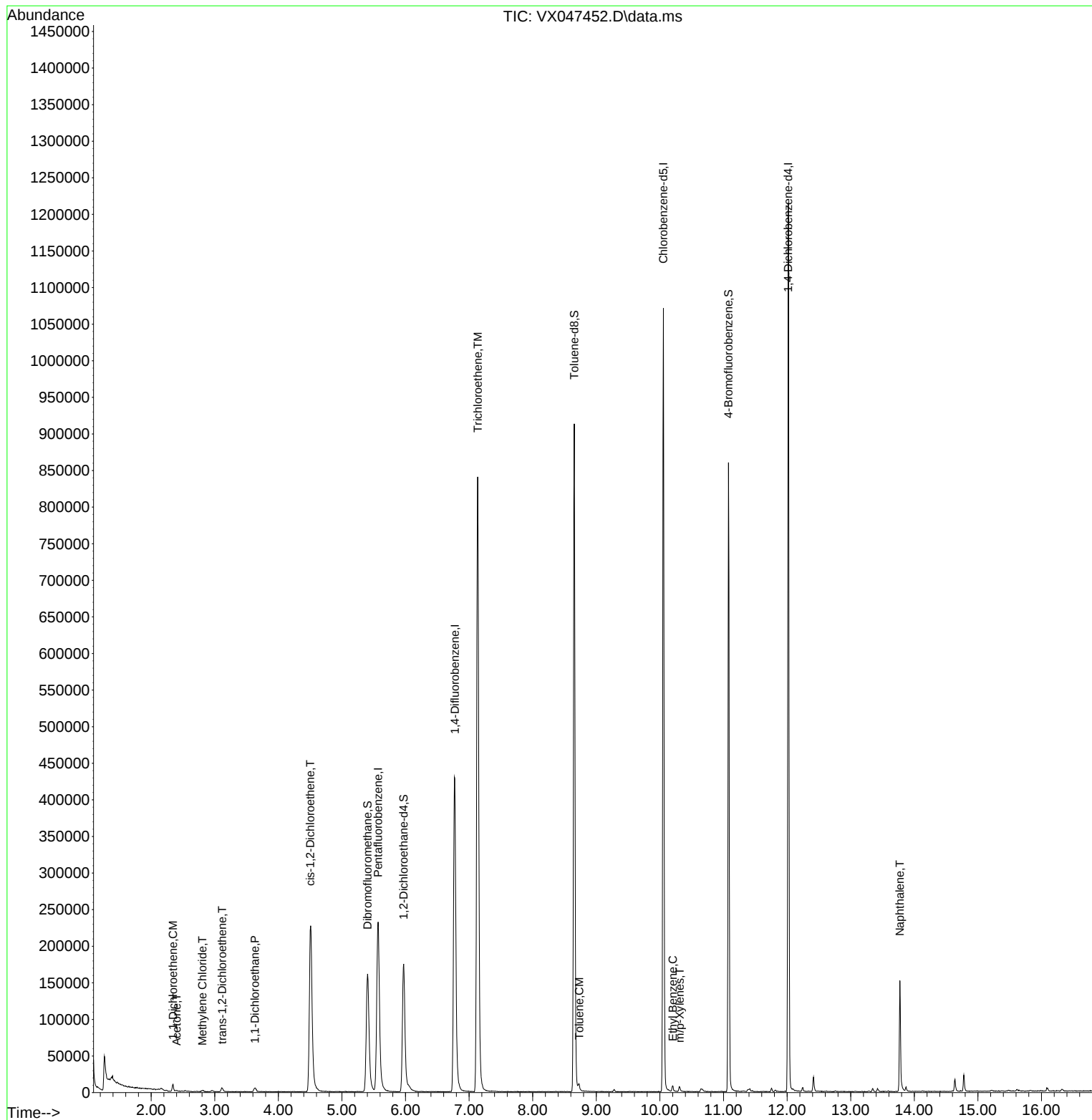
Internal Standards						
1) Pentafluorobenzene	5.568	168	233413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	475099	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	465473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	242657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	184033	56.336	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.680%	
35) Dibromofluoromethane	5.403	113	155611	50.467	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.940%	
50) Toluene-d8	8.653	98	544870	49.439	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.880%	
62) 4-Bromofluorobenzene	11.079	95	231003	56.800	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.600%	
Target Compounds						
						Qvalue
12) 1,1-Dichloroethene	2.343	96	3613	1.229	ug/l #	90
16) Acetone	2.398	43	1834	1.494	ug/l	92
20) Methylene Chloride	2.806	84	922	0.284	ug/l	89
21) trans-1,2-Dichloroethene	3.117	96	2574	0.825	ug/l	96
24) 1,1-Dichloroethane	3.629	63	7002	1.228	ug/l #	93
27) cis-1,2-Dichloroethene	4.501	96	163315	44.953	ug/l	89
44) Trichloroethene	7.135	130	343338	92.036	ug/l	96
52) Toluene	8.732	92	3358	0.373	ug/l	84
67) Ethyl Benzene	10.201	91	5646	0.297	ug/l #	85
68) m/p-Xylenes	10.311	106	2227	0.314	ug/l	87
95) Naphthalene	13.774	128	103253	6.410	ug/l	99

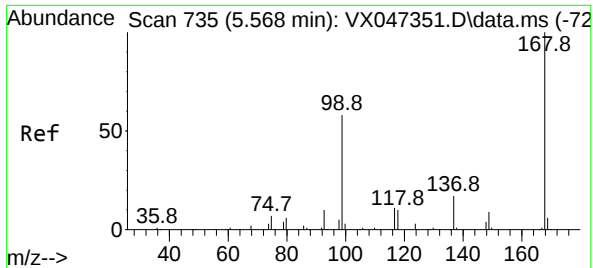
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047452.D
Acq On : 20 Aug 2025 18:40
Operator : JC/MD
Sample : Q2878-05 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

Quant Time: Aug 21 01:38:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

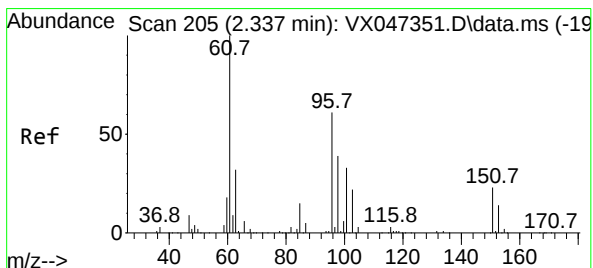
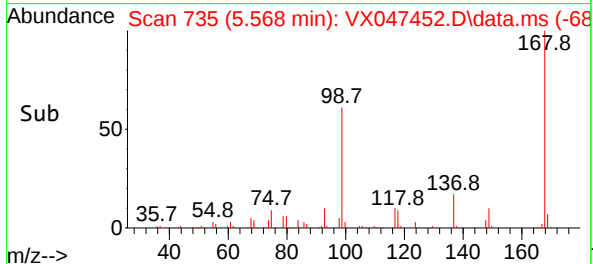
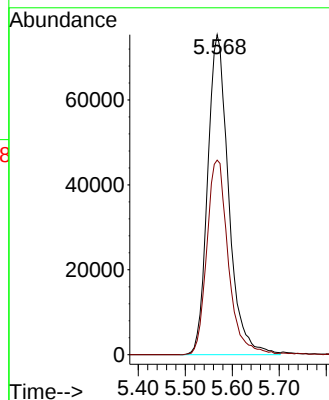
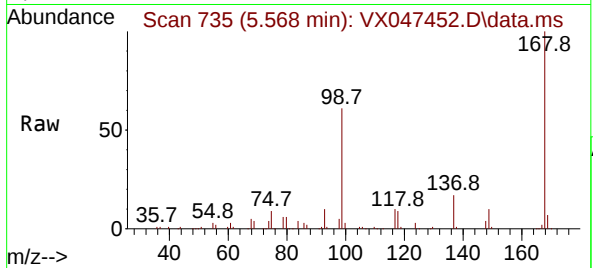




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

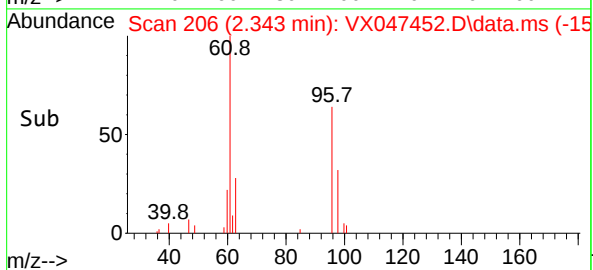
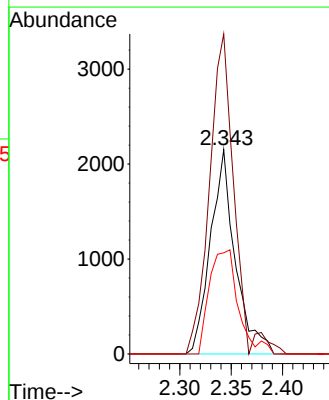
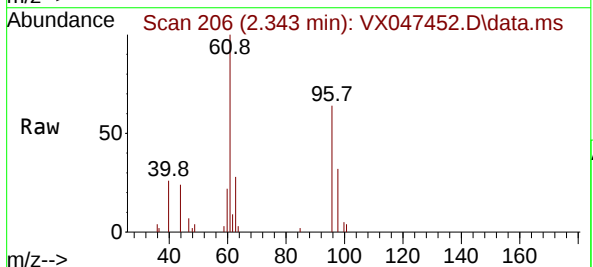
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

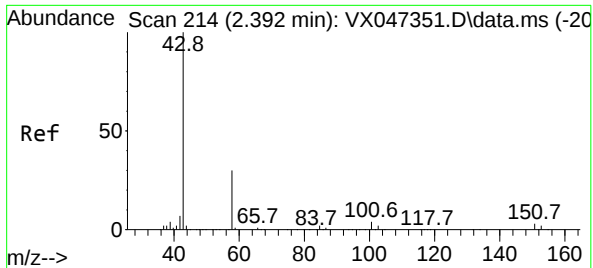
Tgt Ion:168 Resp: 233413
Ion Ratio Lower Upper
168 100
99 60.8 47.9 71.9



#12
1,1-Dichloroethene
Concen: 1.229 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 96 Resp: 3613
Ion Ratio Lower Upper
96 100
61 156.6 132.2 198.2
98 49.5 51.2 76.8#

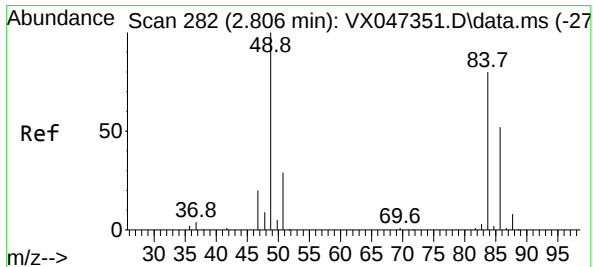
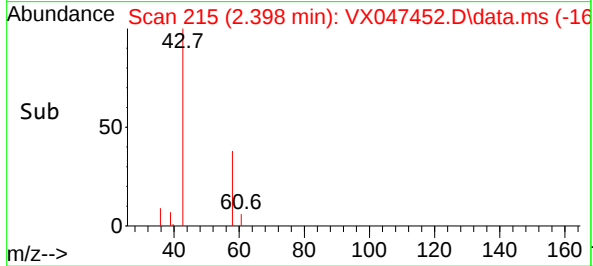
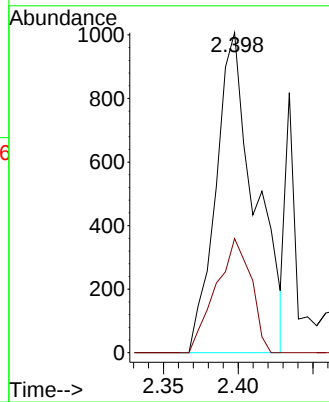
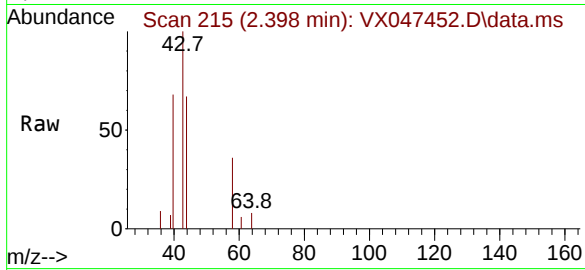




#16
Acetone
Concen: 1.494 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

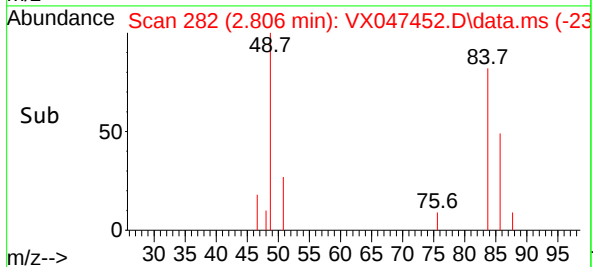
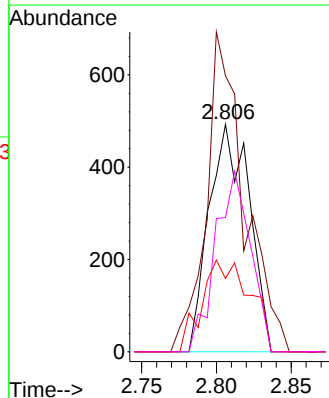
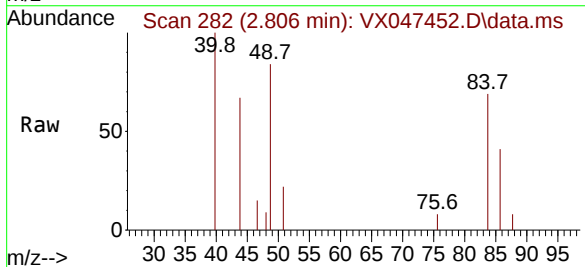
Instrument : MSVOA_X
ClientSampleId : MW-11A-37.5-081425

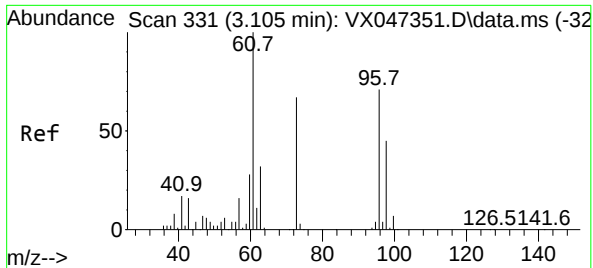
Tgt Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
58 35.7 24.8 37.2



#20
Methylene Chloride
Concen: 0.284 ug/l
RT: 2.806 min Scan# 282
Delta R.T. -0.000 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 84 Resp: 922
Ion Ratio Lower Upper
84 100
49 110.3 100.1 150.1
51 32.3 29.5 44.3
86 59.0 51.8 77.8

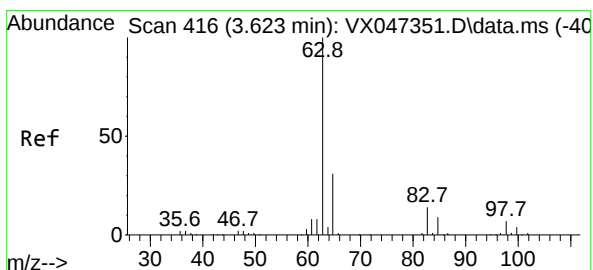
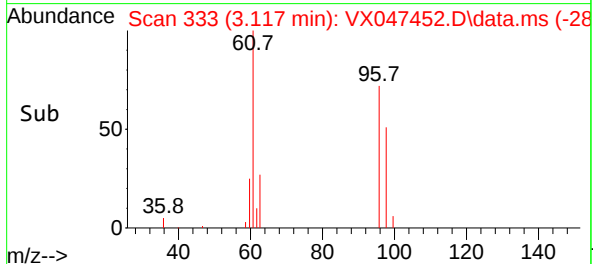
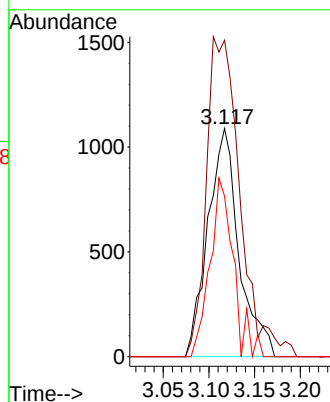
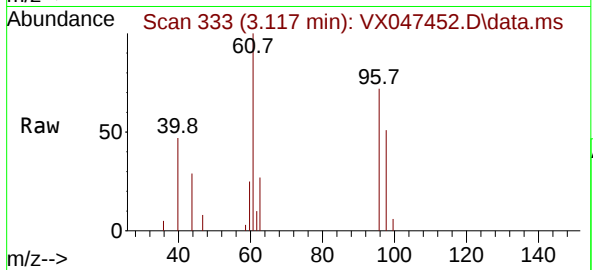




#21
trans-1,2-Dichloroethene
Concen: 0.825 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

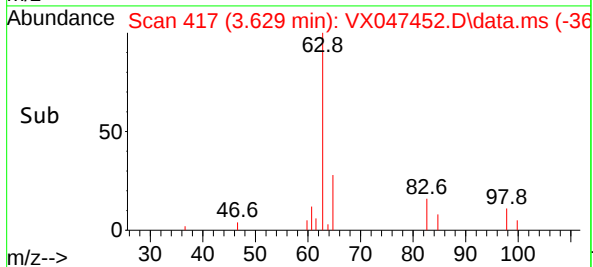
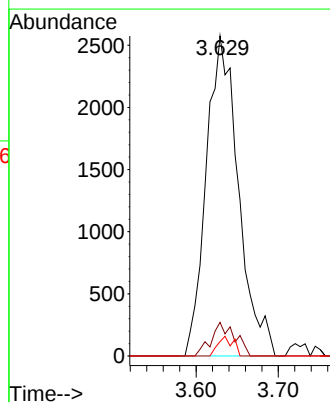
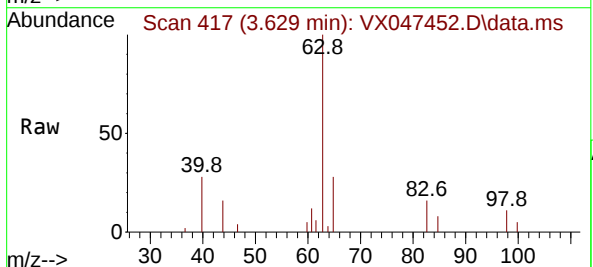
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-37.5-081425

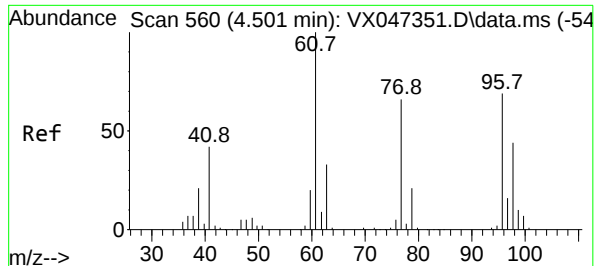
Tgt Ion: 96 Resp: 2574
Ion Ratio Lower Upper
96 100
61 138.7 112.6 169.0
98 70.3 50.9 76.3



#24
1,1-Dichloroethane
Concen: 1.228 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.006 min
Lab File: VX047452.D
Acq: 20 Aug 2025 18:40

Tgt Ion: 63 Resp: 7002
Ion Ratio Lower Upper
63 100
98 10.5 3.3 9.9#
100 4.5 2.1 6.3





#27

cis-1,2-Dichloroethene

Concen: 44.953 ug/l

RT: 4.501 min Scan# 50

Delta R.T. -0.000 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

MW-11A-37.5-081425

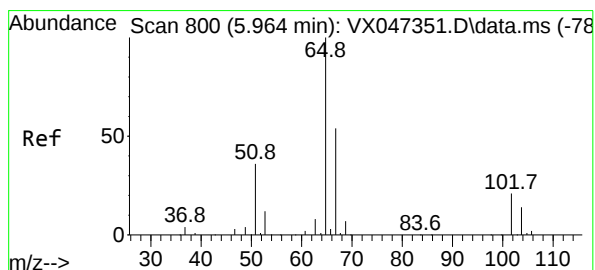
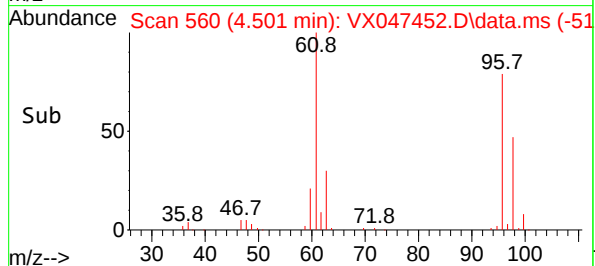
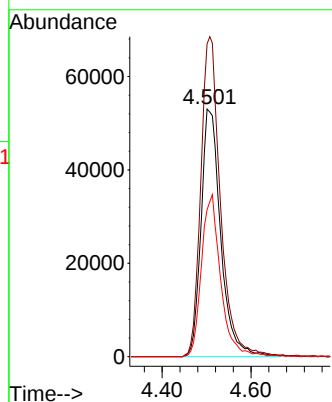
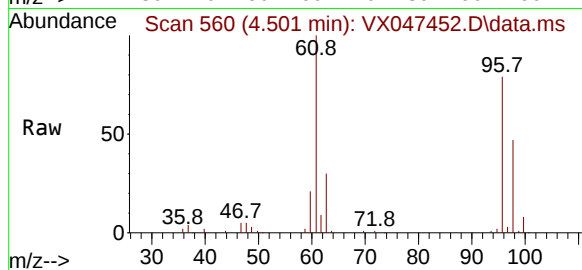
Tgt Ion: 96 Resp: 163315

Ion Ratio Lower Upper

96 100

61 129.4 0.0 296.6

98 63.6 0.0 130.4



#33

1,2-Dichloroethane-d4

Concen: 56.336 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX047452.D

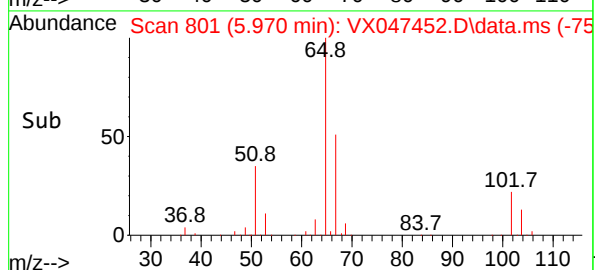
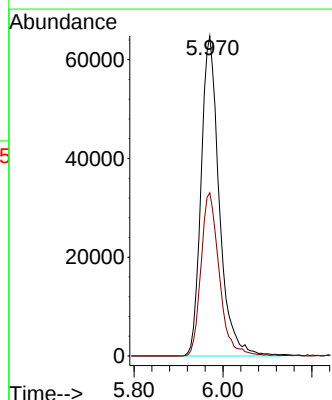
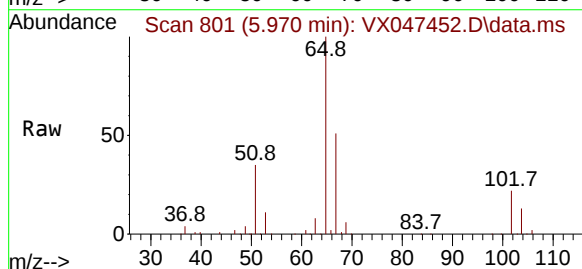
Acq: 20 Aug 2025 18:40

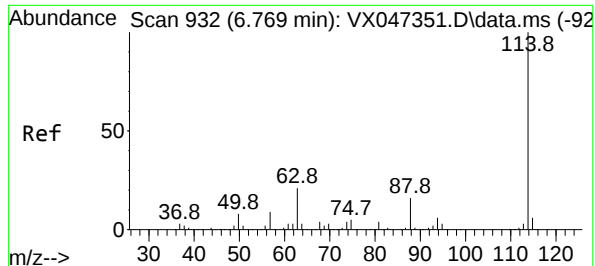
Tgt Ion: 65 Resp: 184033

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

MW-11A-37.5-081425

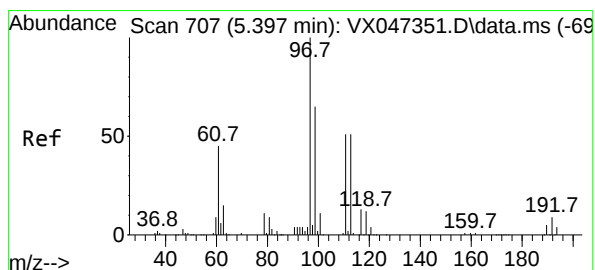
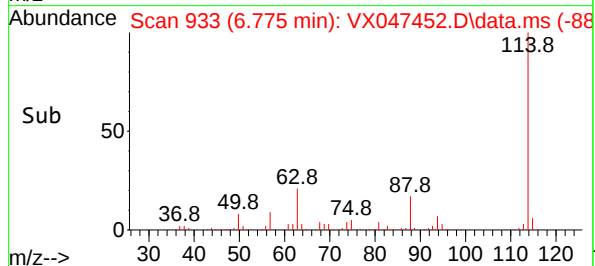
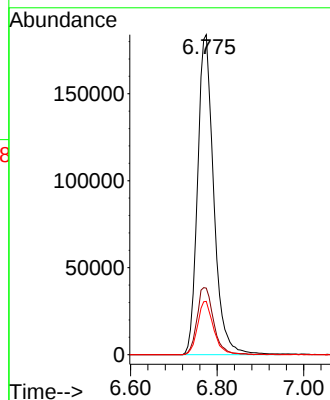
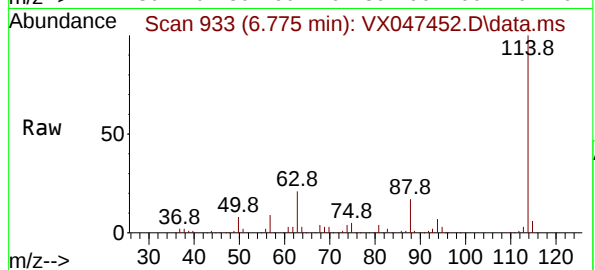
Tgt Ion:114 Resp: 475099

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

88 16.7 0.0 33.0



#35

Dibromofluoromethane

Concen: 50.467 ug/l

RT: 5.403 min Scan# 708

Delta R.T. 0.006 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

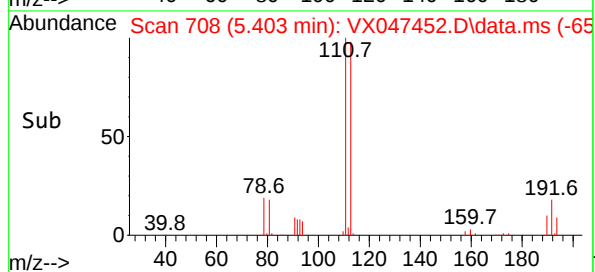
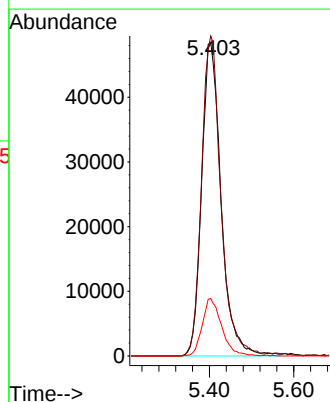
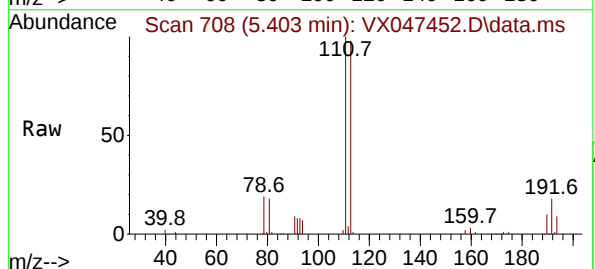
Tgt Ion:113 Resp: 155611

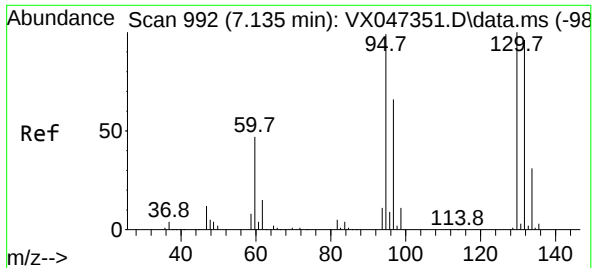
Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.2

192 18.2 14.1 21.1





#44

Trichloroethene

Concen: 92.036 ug/l

RT: 7.135 min Scan# 992

Delta R.T. -0.000 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

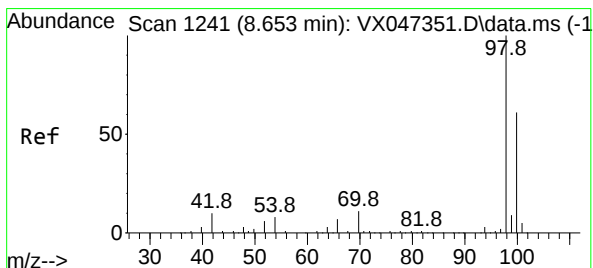
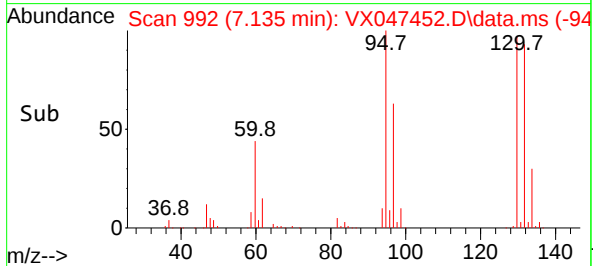
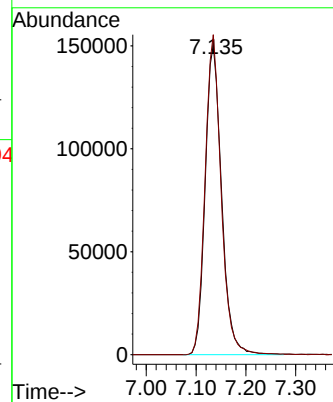
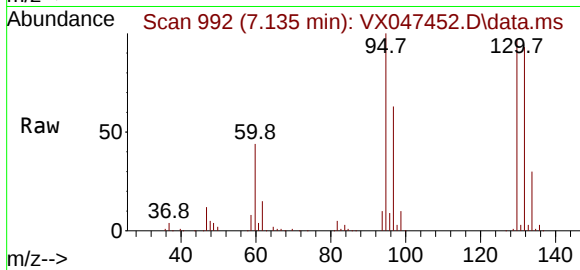
MW-11A-37.5-081425

Tgt Ion:130 Resp: 343338

Ion Ratio Lower Upper

130 100

95 103.4 0.0 198.6



#50

Toluene-d8

Concen: 49.439 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX047452.D

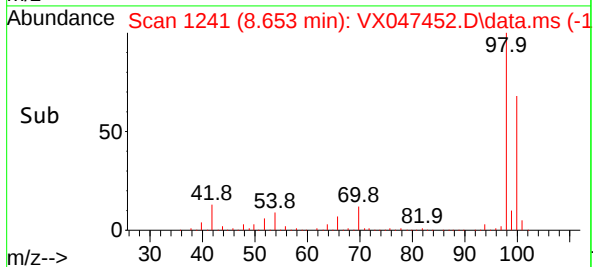
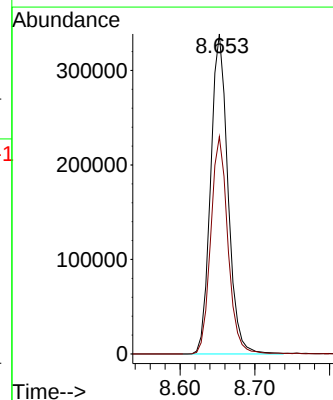
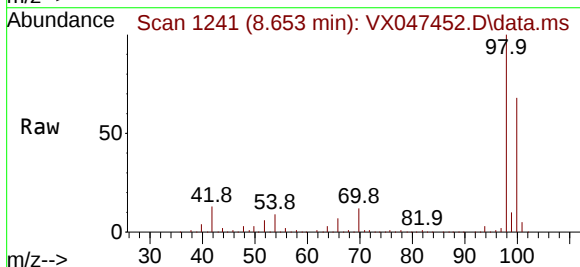
Acq: 20 Aug 2025 18:40

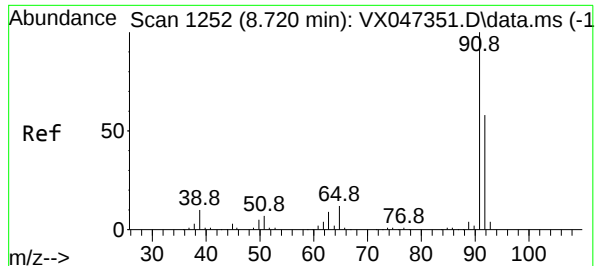
Tgt Ion: 98 Resp: 544870

Ion Ratio Lower Upper

98 100

100 67.2 53.9 80.9





#52

Toluene

Concen: 0.373 ug/l

RT: 8.732 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

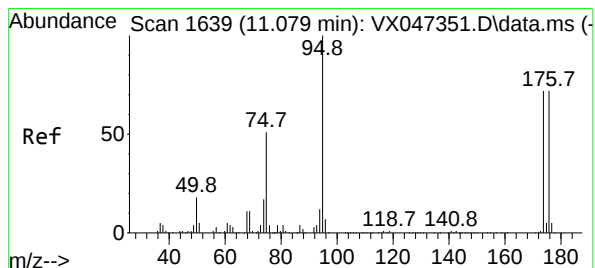
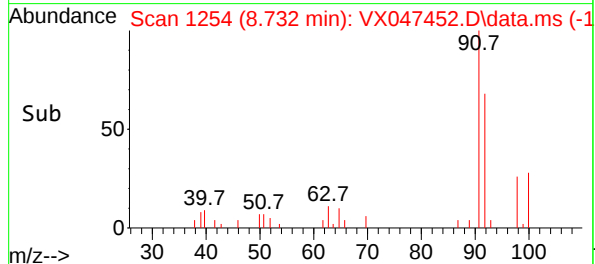
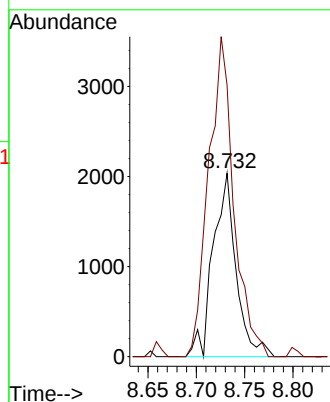
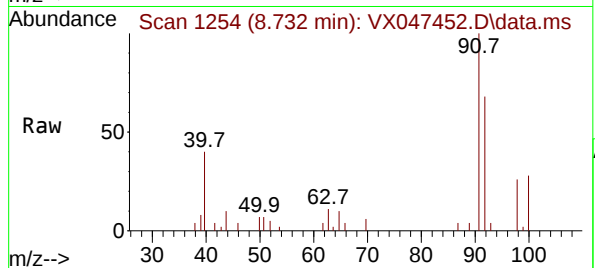
MW-11A-37.5-081425

Tgt Ion: 92 Resp: 3358

Ion Ratio Lower Upper

92 100

91 191.8 136.3 204.5



#62

4-Bromofluorobenzene

Concen: 56.800 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Tgt Ion: 95 Resp: 231003

Ion Ratio Lower Upper

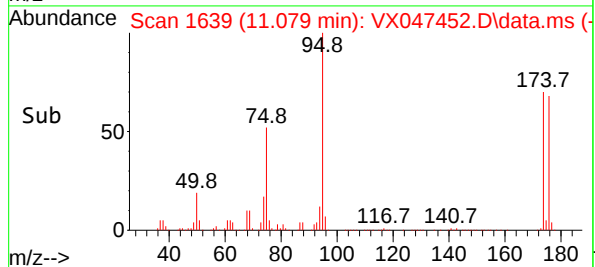
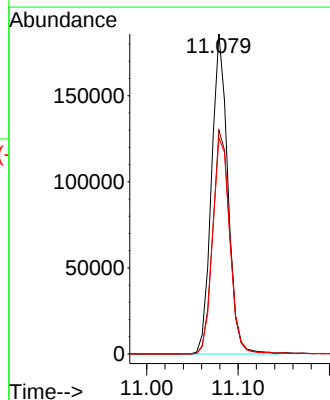
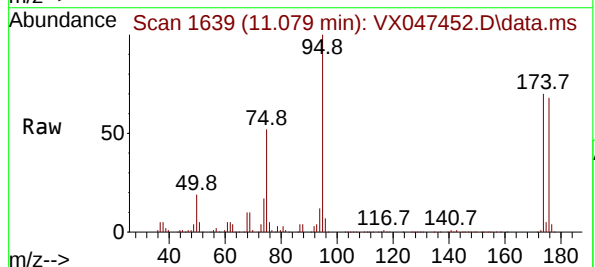
95 100

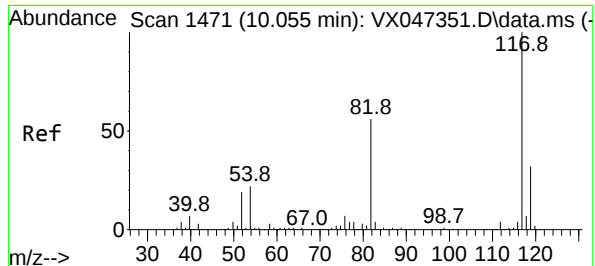
174 72.7

176 71.1

0.0 148.0

0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

MW-11A-37.5-081425

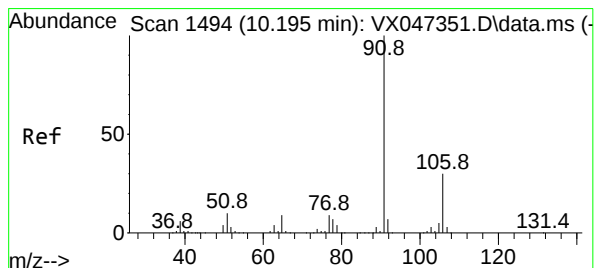
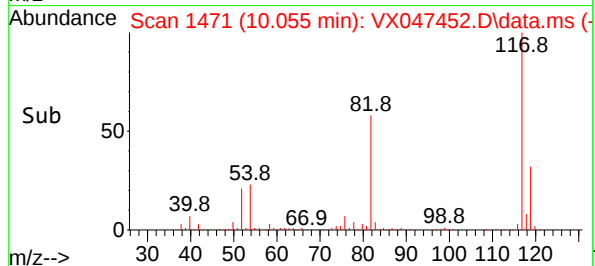
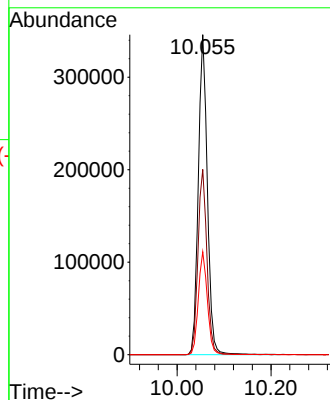
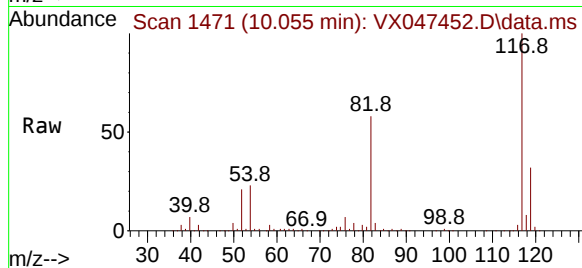
Tgt Ion:117 Resp: 465473

Ion Ratio Lower Upper

117 100

82 57.9 45.0 67.4

119 32.1 25.8 38.8



#67

Ethyl Benzene

Concen: 0.297 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX047452.D

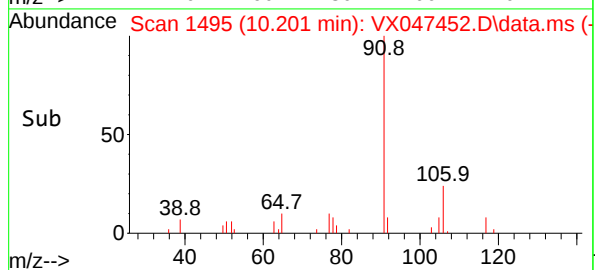
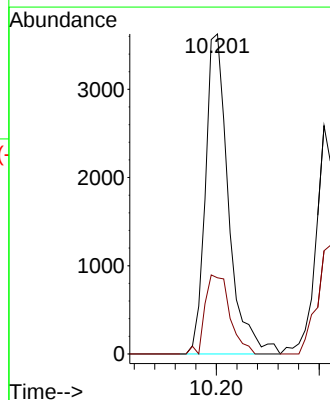
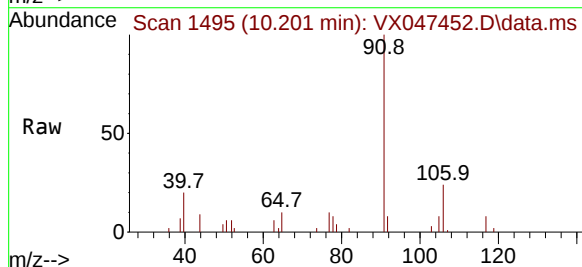
Acq: 20 Aug 2025 18:40

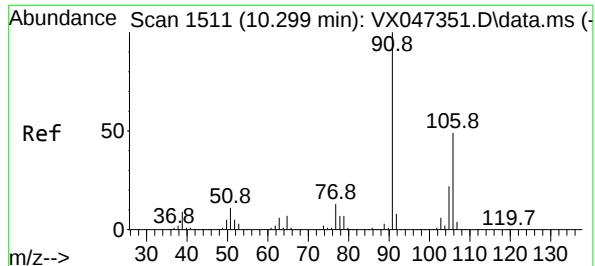
Tgt Ion: 91 Resp: 5646

Ion Ratio Lower Upper

91 100

106 22.1 24.4 36.6#





#68

m/p-Xylenes

Concen: 0.314 ug/l

RT: 10.311 min Scan# 1511

Delta R.T. 0.012 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

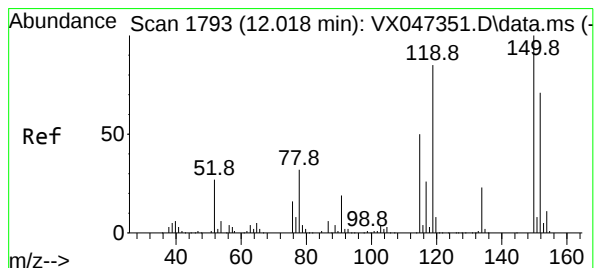
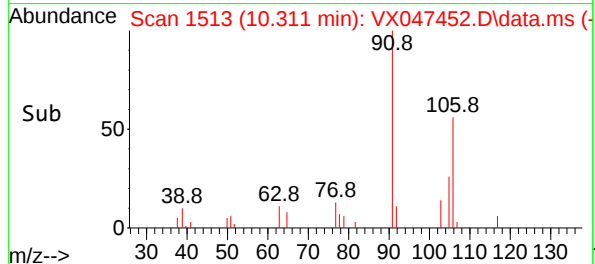
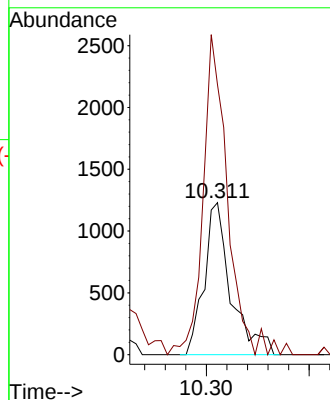
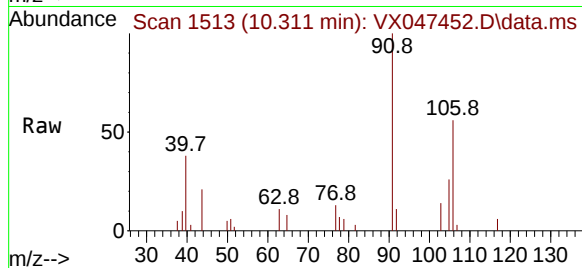
MW-11A-37.5-081425

Tgt Ion:106 Resp: 2227

Ion Ratio Lower Upper

106 100

91 185.1 164.7 247.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX047452.D

Acq: 20 Aug 2025 18:40

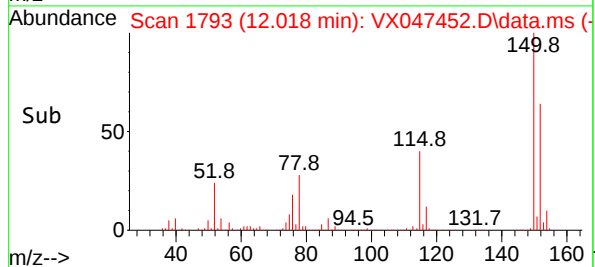
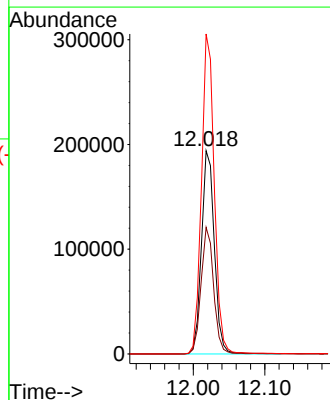
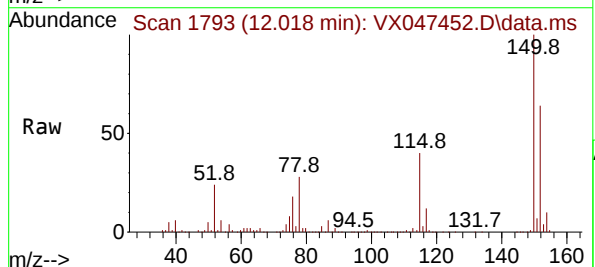
Tgt Ion:152 Resp: 242657

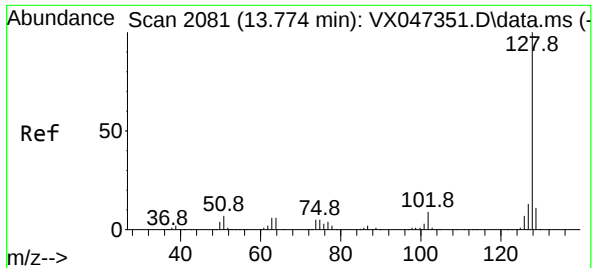
Ion Ratio Lower Upper

152 100

115 60.9 44.6 133.8

150 157.1 0.0 349.8





#95

Naphthalene

Concen: 6.410 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX047452.D

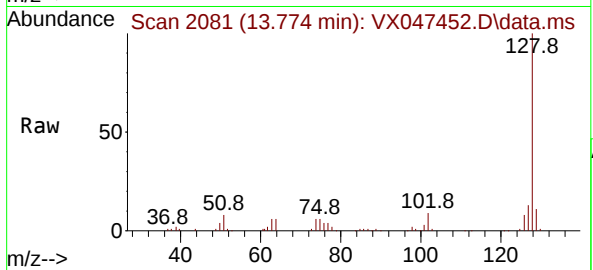
Acq: 20 Aug 2025 18:40

Instrument :

MSVOA_X

ClientSampleId :

MW-11A-37.5-081425



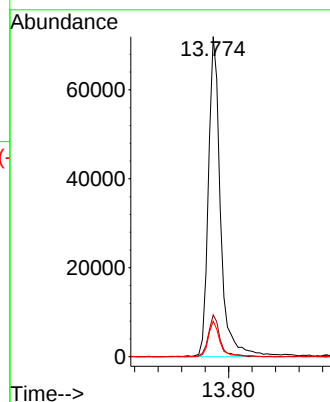
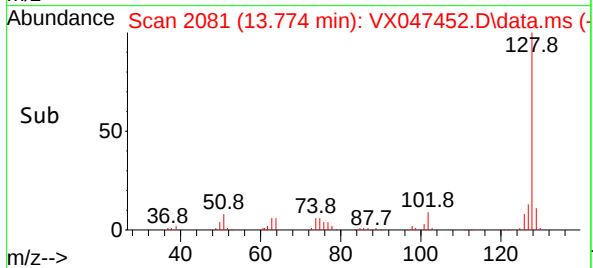
Tgt Ion:128 Resp: 103253

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

129 10.2 8.7 13.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047441.D
 Acq On : 20 Aug 2025 14:42
 Operator : JC/MD
 Sample : Q2878-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-081425

Quant Time: Aug 21 01:32:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	298809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	610463	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	600442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	294767	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.970	65	241793	57.819	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 115.640%	
35) Dibromofluoromethane	5.403	113	199788	50.427	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.860%	
50) Toluene-d8	8.653	98	715700	50.540	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.080%	
62) 4-Bromofluorobenzene	11.079	95	287809	55.075	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.160%	

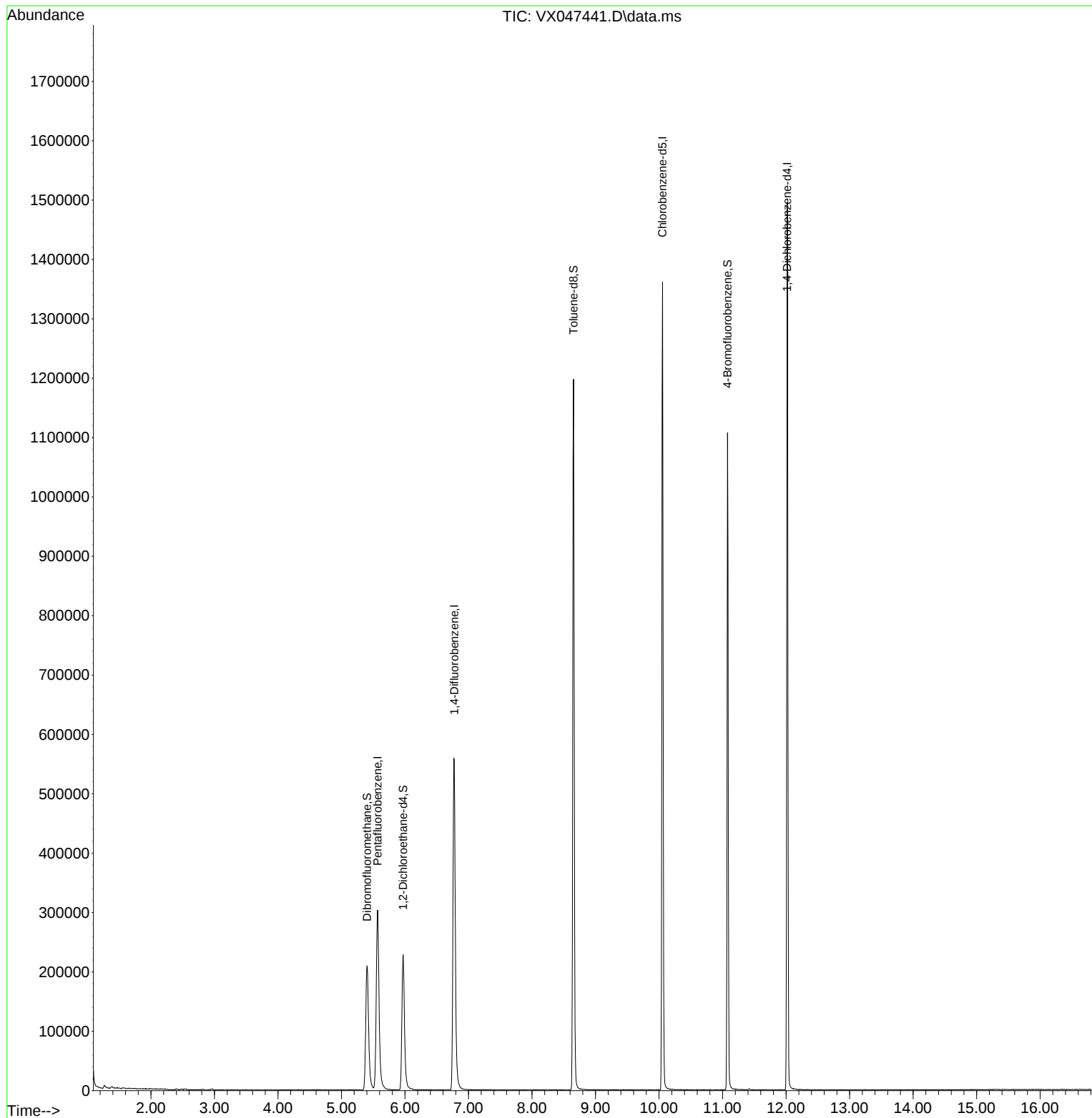
Target Compounds Qvalue

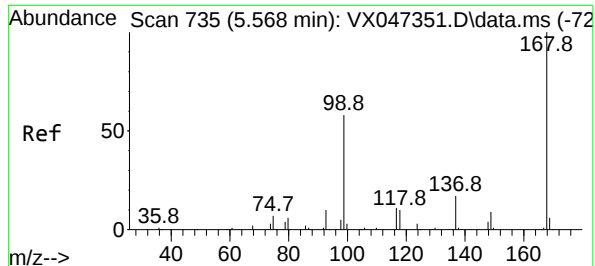
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047441.D
Acq On : 20 Aug 2025 14:42
Operator : JC/MD
Sample : Q2878-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-081425

Quant Time: Aug 21 01:32:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

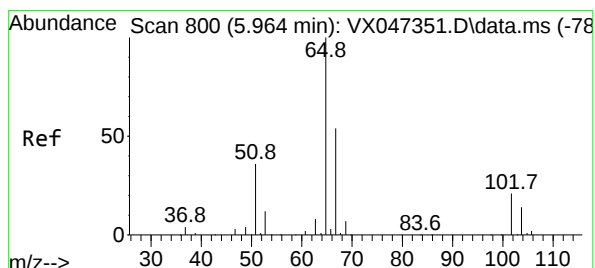
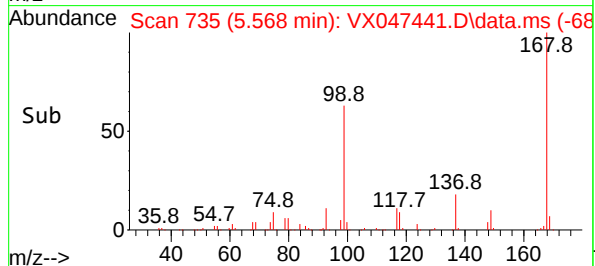
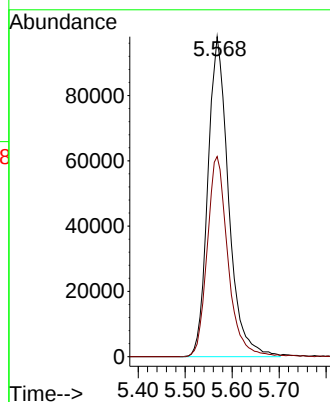
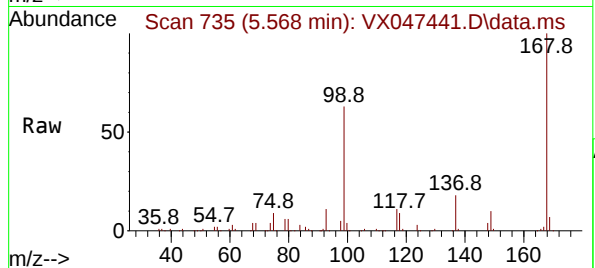




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047441.D
Acq: 20 Aug 2025 14:42

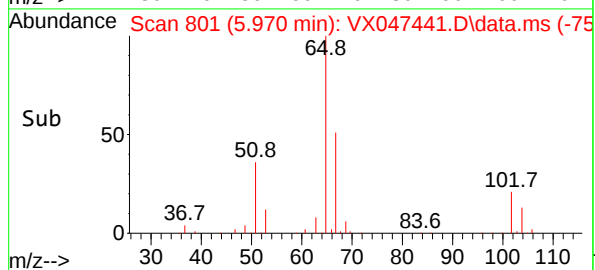
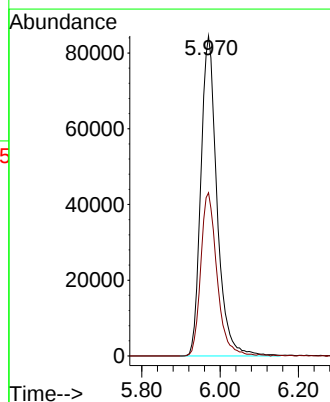
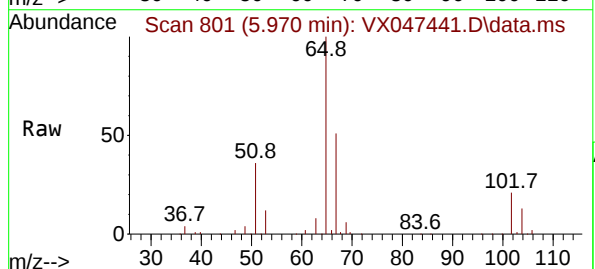
Instrument :
MSVOA_X
ClientSampleId :
TB01-081425

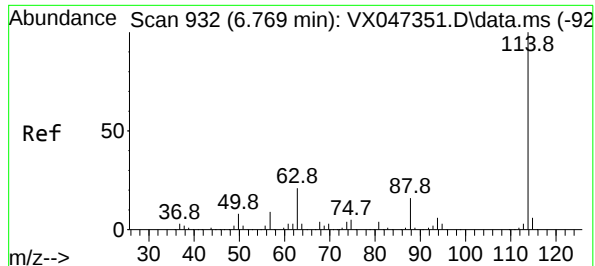
Tgt Ion:168 Resp: 298809
Ion Ratio Lower Upper
168 100
99 62.5 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 57.819 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047441.D
Acq: 20 Aug 2025 14:42

Tgt Ion: 65 Resp: 241793
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX047441.D

Acq: 20 Aug 2025 14:42

Instrument :

MSVOA_X

ClientSampleId :

TB01-081425

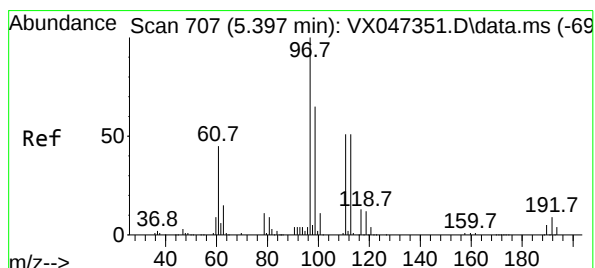
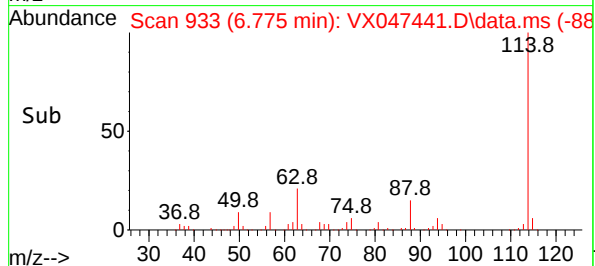
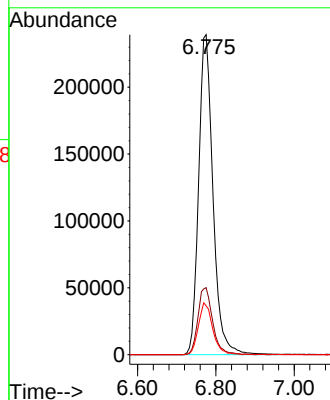
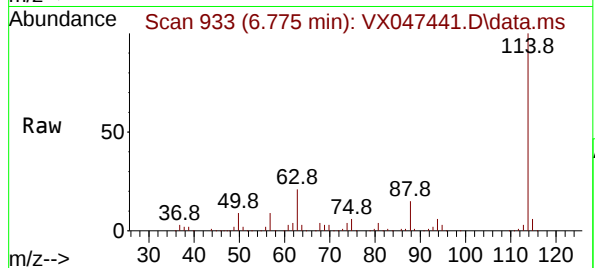
Tgt Ion:114 Resp: 610463

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

88 15.2 0.0 33.0



#35

Dibromofluoromethane

Concen: 50.427 ug/l

RT: 5.403 min Scan# 708

Delta R.T. 0.006 min

Lab File: VX047441.D

Acq: 20 Aug 2025 14:42

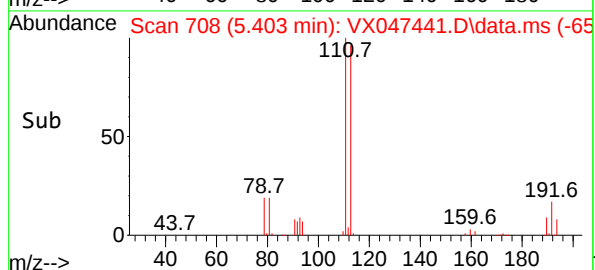
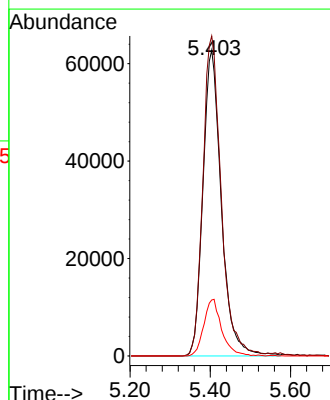
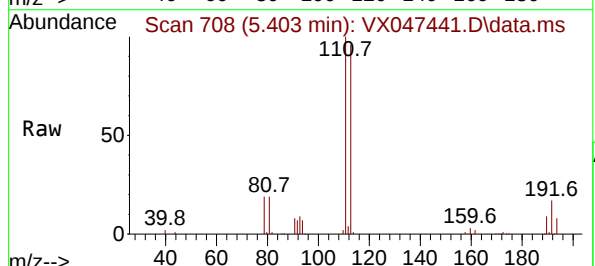
Tgt Ion:113 Resp: 199788

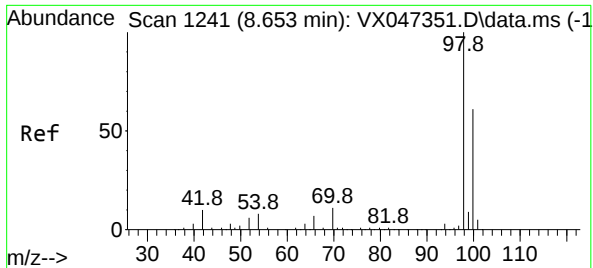
Ion Ratio Lower Upper

113 100

111 104.2 81.4 122.2

192 18.0 14.1 21.1





#50

Toluene-d8

Concen: 50.540 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047441.D

Acq: 20 Aug 2025 14:42

Instrument :

MSVOA_X

ClientSampleId :

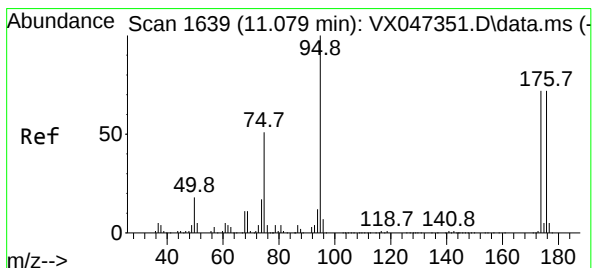
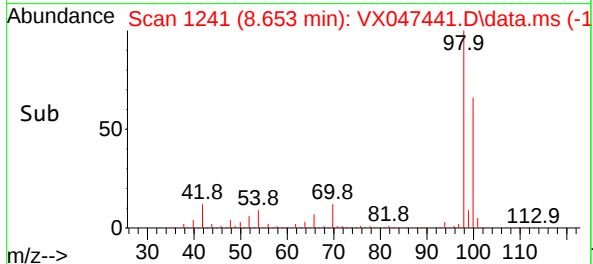
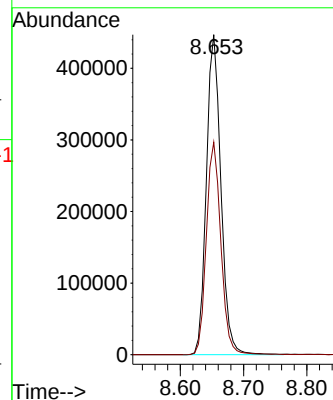
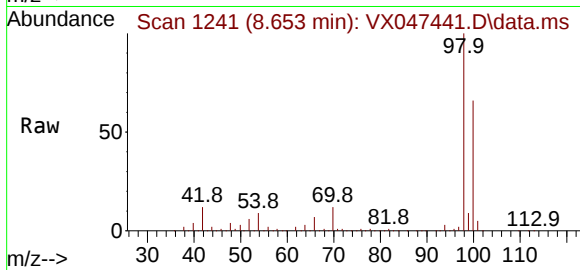
TB01-081425

Tgt Ion: 98 Resp: 715700

Ion Ratio Lower Upper

98 100

100 66.3 53.9 80.9



#62

4-Bromofluorobenzene

Concen: 55.075 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047441.D

Acq: 20 Aug 2025 14:42

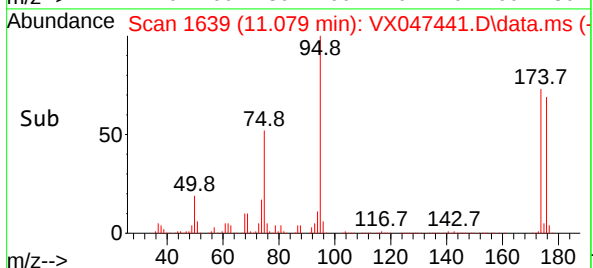
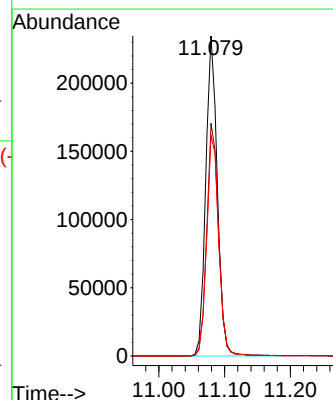
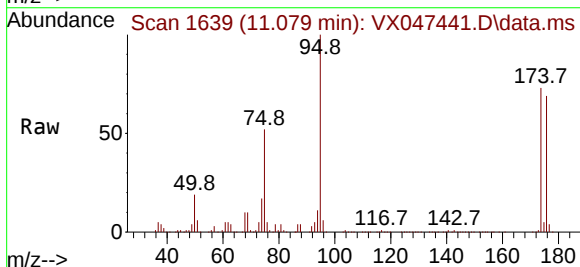
Tgt Ion: 95 Resp: 287809

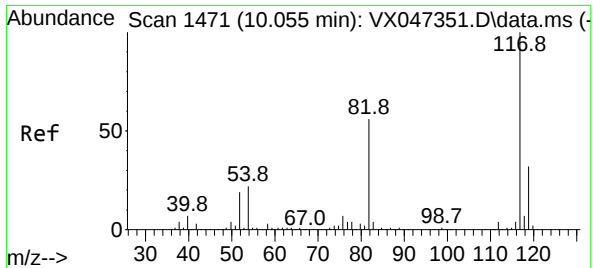
Ion Ratio Lower Upper

95 100

174 74.3 0.0 148.0

176 71.2 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047441.D

Acq: 20 Aug 2025 14:42

Instrument :

MSVOA_X

ClientSampleId :

TB01-081425

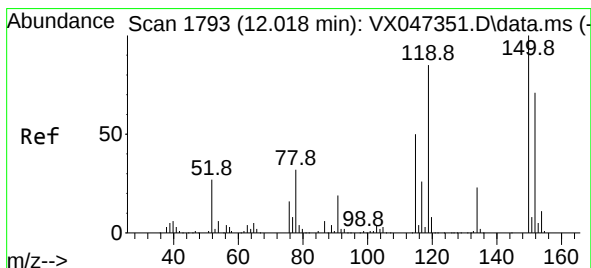
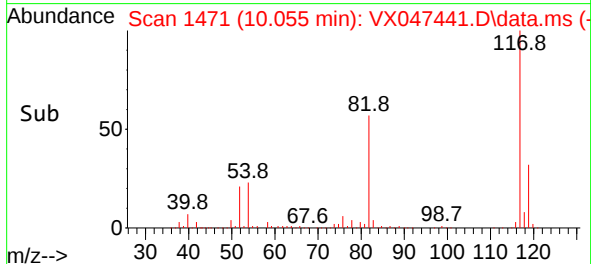
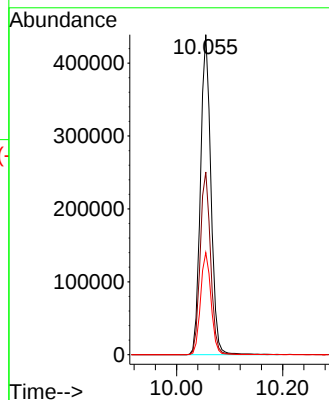
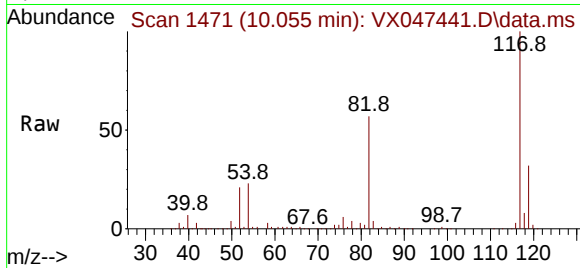
Tgt Ion:117 Resp: 600442

Ion Ratio Lower Upper

117 100

82 57.1 45.0 67.4

119 31.9 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047441.D

Acq: 20 Aug 2025 14:42

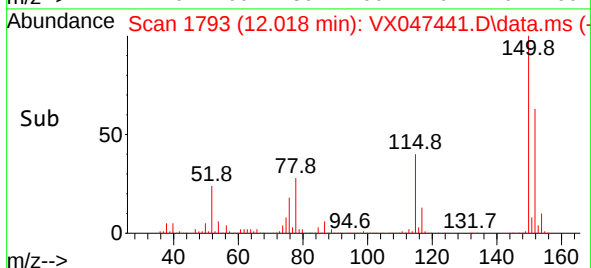
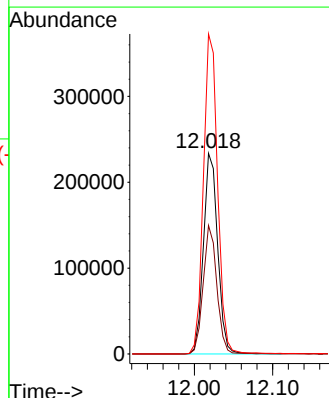
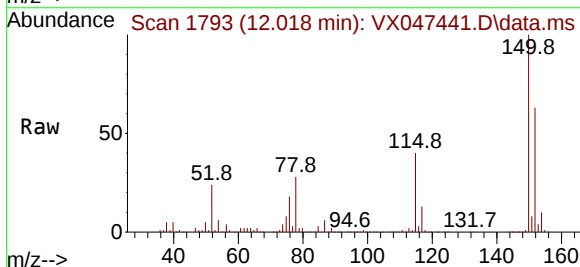
Tgt Ion:152 Resp: 294767

Ion Ratio Lower Upper

152 100

115 61.5 44.6 133.8

150 159.3 0.0 349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047429.D
Acq On : 20 Aug 2025 10:07
Operator : JC/MD
Sample : VX0820WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

A
B
C
D
E
F
G
H
I
J

Quant Time: Aug 21 01:26:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	280589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	574542	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	560929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	279679	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	227227	57.864	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.720%
35) Dibromofluoromethane	5.397	113	191362	51.320	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.640%
50) Toluene-d8	8.653	98	676059	50.725	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.460%
62) 4-Bromofluorobenzene	11.079	95	274800	55.874	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.740%

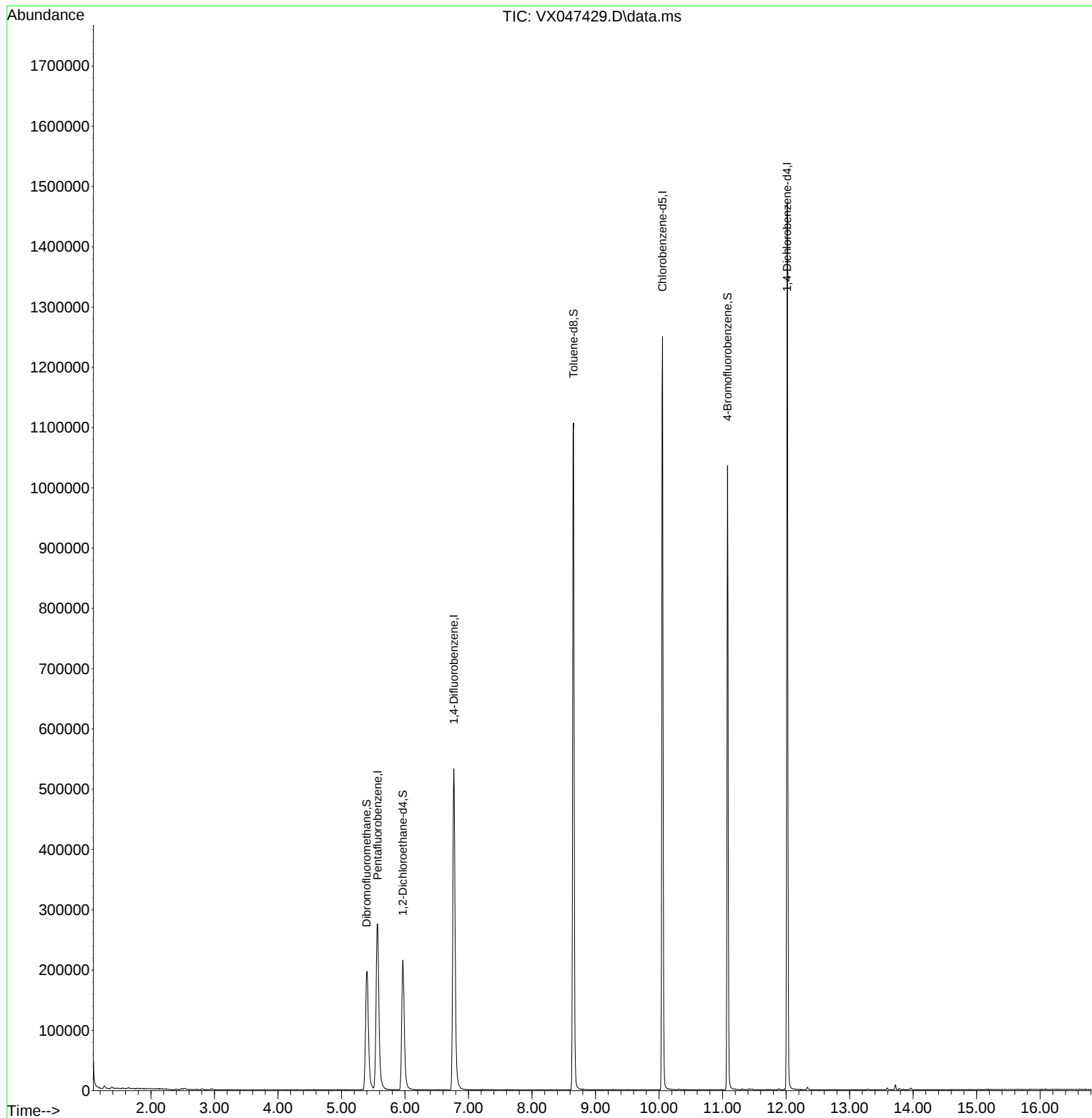
Target Compounds	Qvalue

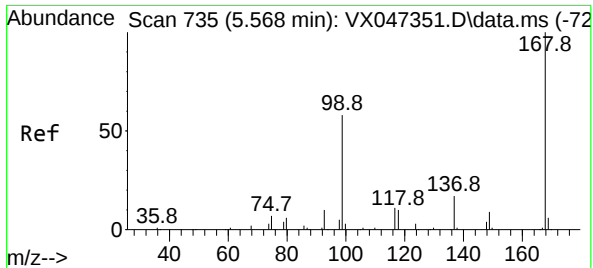
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047429.D
Acq On : 20 Aug 2025 10:07
Operator : JC/MD
Sample : VX0820WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

Quant Time: Aug 21 01:26:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

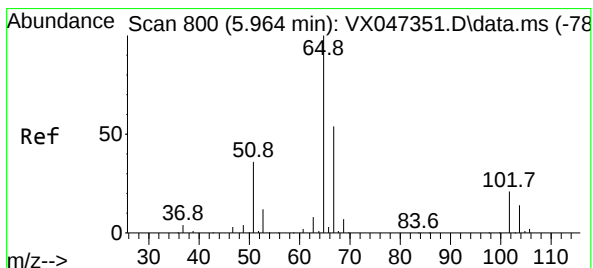
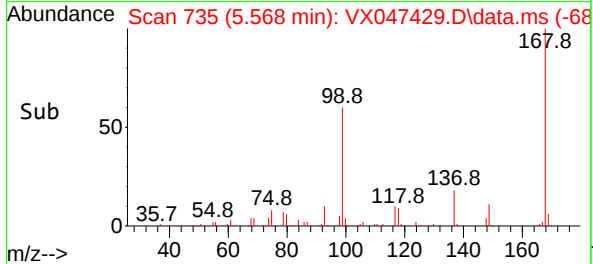
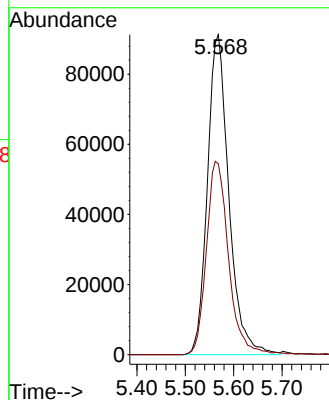
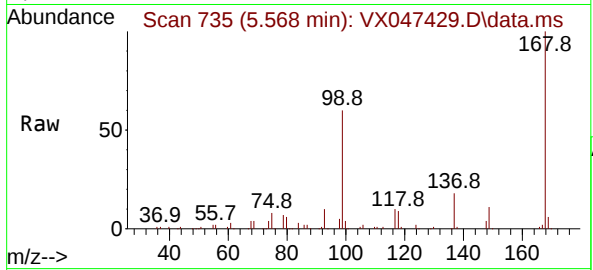




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

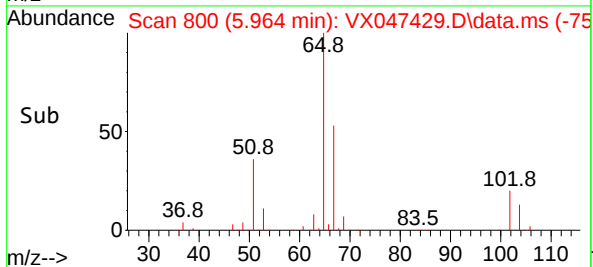
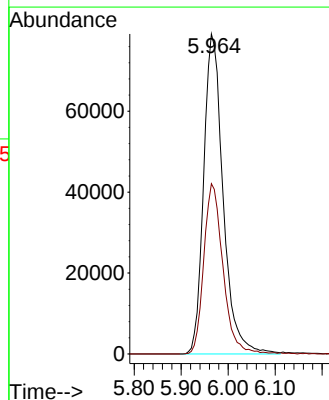
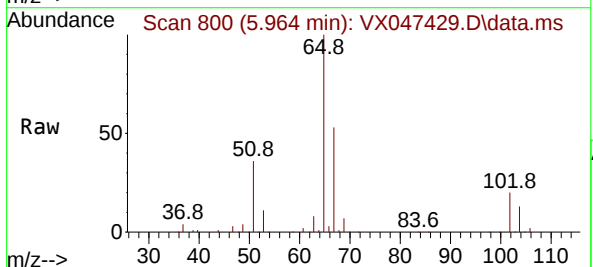
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

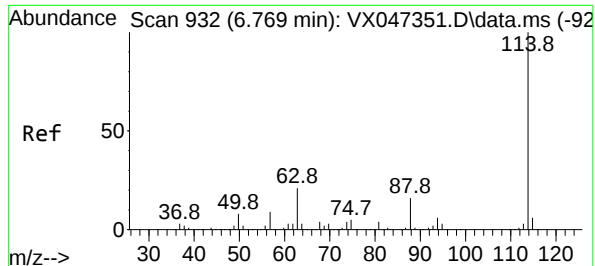
Tgt Ion:168 Resp: 280589
Ion Ratio Lower Upper
168 100
99 59.7 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 57.864 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion: 65 Resp: 227227
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX047429.D

Acq: 20 Aug 2025 10:07

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBL01

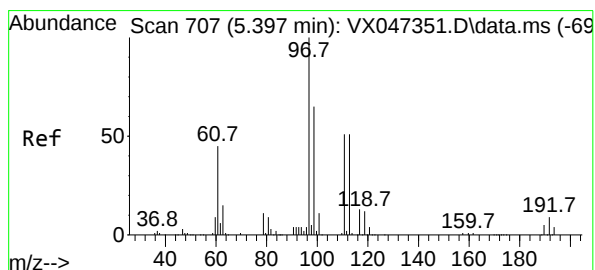
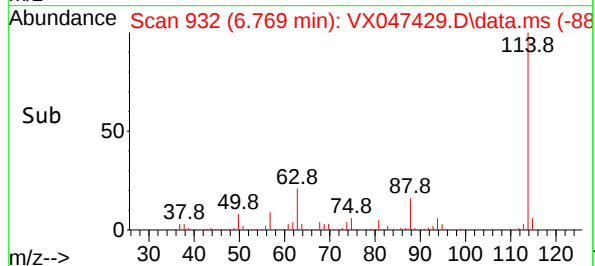
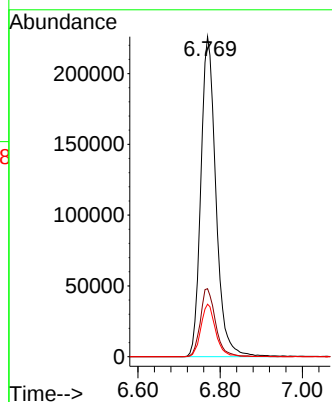
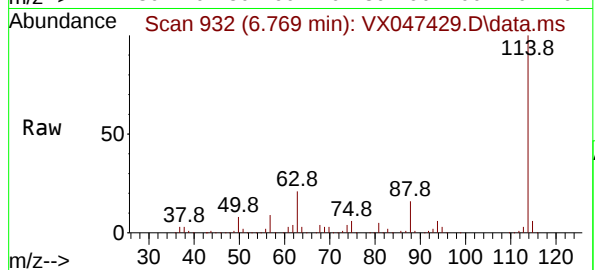
Tgt Ion:114 Resp: 574542

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 16.4 0.0 33.0



#35

Dibromofluoromethane

Concen: 51.320 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047429.D

Acq: 20 Aug 2025 10:07

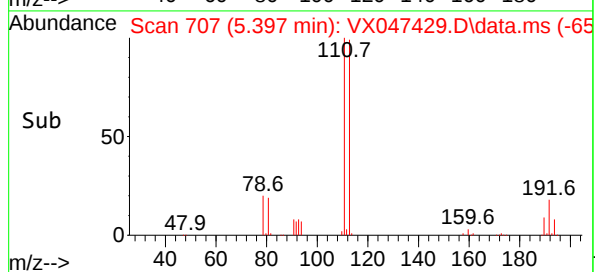
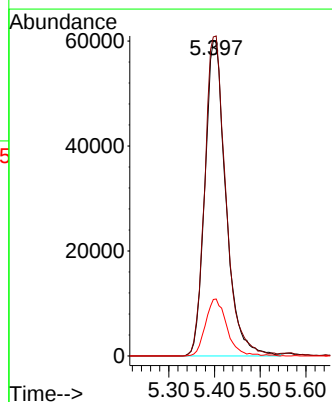
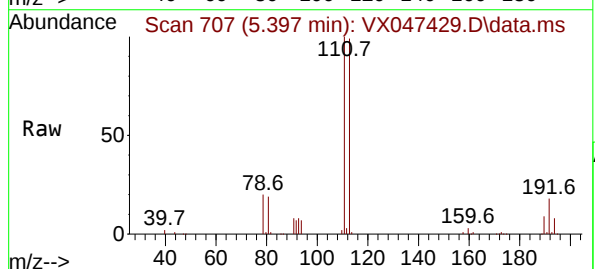
Tgt Ion:113 Resp: 191362

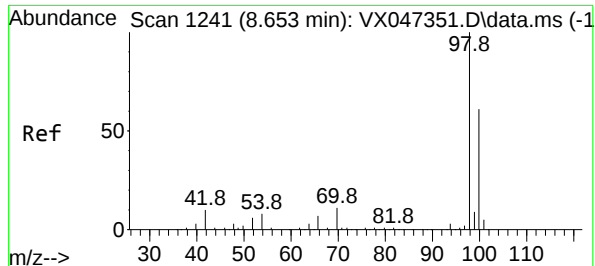
Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.2

192 18.3 14.1 21.1





#50

Toluene-d8

Concen: 50.725 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047429.D

Acq: 20 Aug 2025 10:07

Instrument :

MSVOA_X

ClientSampleId :

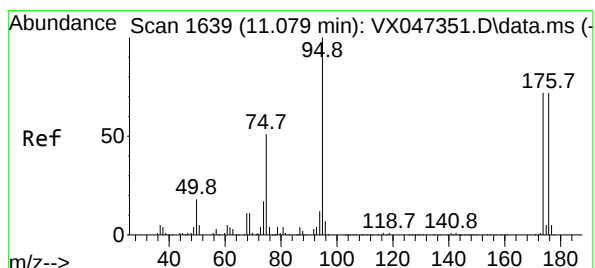
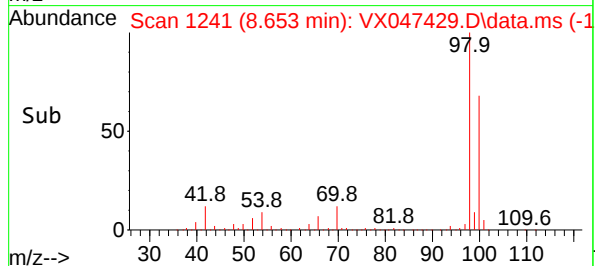
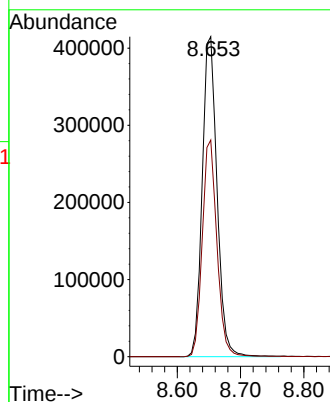
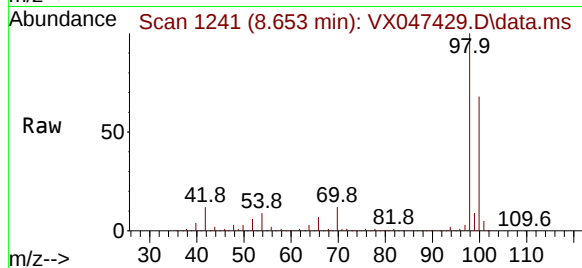
VX0820WBL01

Tgt Ion: 98 Resp: 676059

Ion Ratio Lower Upper

98 100

100 67.0 53.9 80.9



#62

4-Bromofluorobenzene

Concen: 55.874 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047429.D

Acq: 20 Aug 2025 10:07

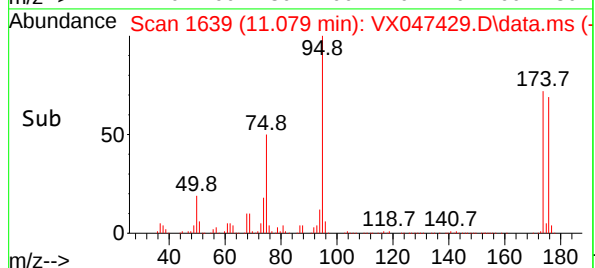
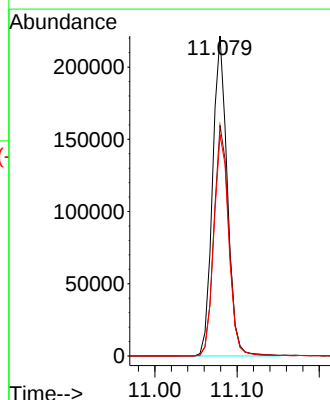
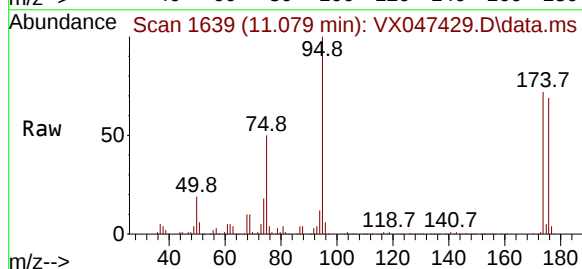
Tgt Ion: 95 Resp: 274800

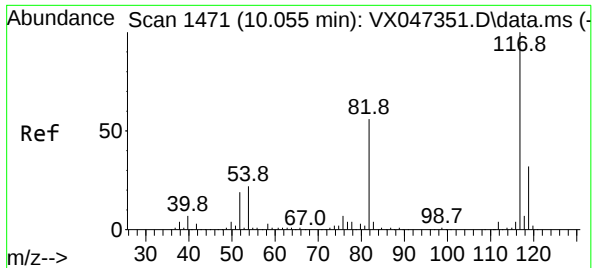
Ion Ratio Lower Upper

95 100

174 73.4 0.0 148.0

176 70.4 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047429.D

Acq: 20 Aug 2025 10:07

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBL01

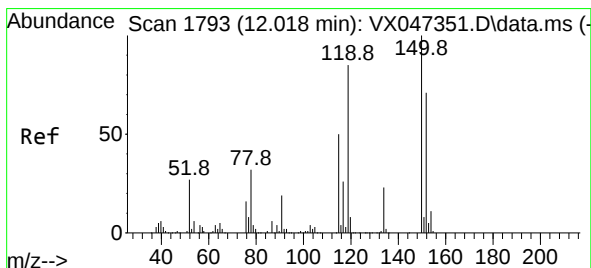
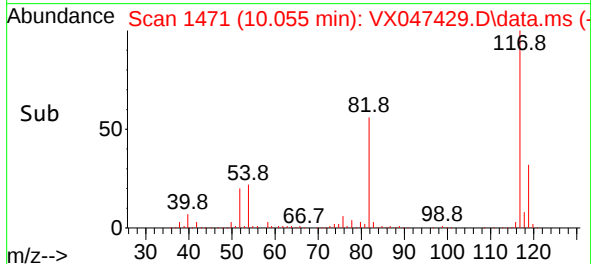
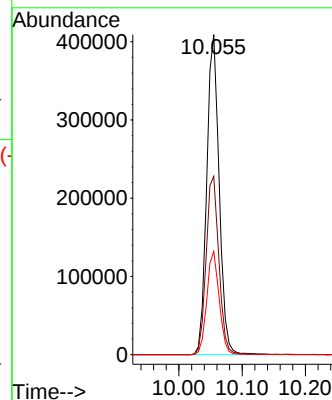
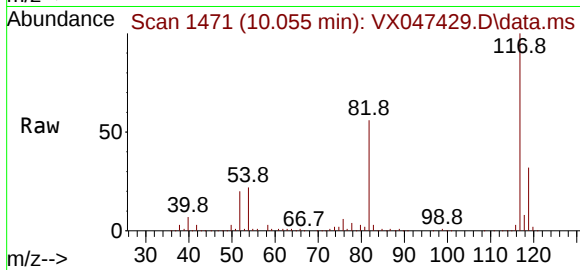
Tgt Ion:117 Resp: 560929

Ion Ratio Lower Upper

117 100

82 55.8 45.0 67.4

119 32.2 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047429.D

Acq: 20 Aug 2025 10:07

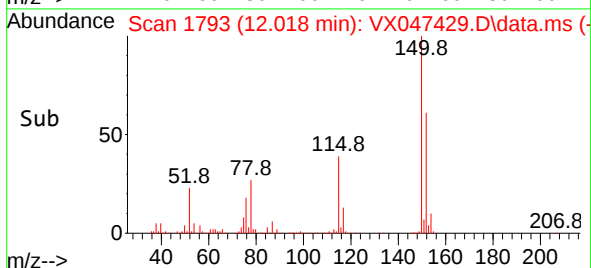
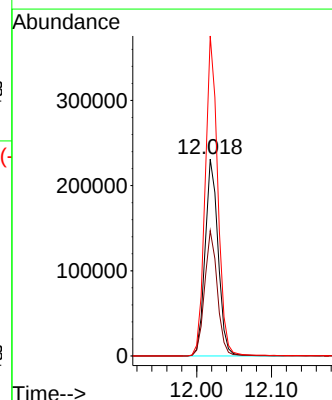
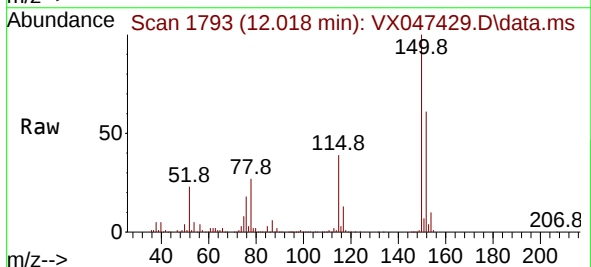
Tgt Ion:152 Resp: 279679

Ion Ratio Lower Upper

152 100

115 62.5 44.6 133.8

150 157.8 0.0 349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047430.D
 Acq On : 20 Aug 2025 10:35
 Operator : JC/MD
 Sample : VX0820WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
 Supervised By :Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 01:26:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	244648	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	407608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	368354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	188940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167819	49.014	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.020%		
35) Dibromofluoromethane	5.391	113	131872	49.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.700%		
50) Toluene-d8	8.647	98	465580	49.239	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.480%		
62) 4-Bromofluorobenzene	11.079	95	175075	50.176	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.360%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	53608	17.189	ug/l	99
3) Chloromethane	1.313	50	46690	16.642	ug/l	98
4) Vinyl Chloride	1.392	62	56657	16.089	ug/l	98
5) Bromomethane	1.630	94	23724	16.679	ug/l	97
6) Chloroethane	1.703	64	34003	15.782	ug/l	97
7) Trichlorofluoromethane	1.904	101	88810	17.050	ug/l	92
8) Diethyl Ether	2.148	74	30454	16.605	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	53855	17.824	ug/l	99
10) Methyl Iodide	2.471	142	60929	11.767	ug/l	96
11) Tert butyl alcohol	2.959	59	28713	96.397	ug/l	99
12) 1,1-Dichloroethene	2.337	96	51780	16.810	ug/l	100
13) Acrolein	2.246	56	55598	88.423	ug/l	97
14) Allyl chloride	2.678	41	88985	16.632	ug/l	100
15) Acrylonitrile	3.081	53	129142	89.724	ug/l	100
16) Acetone	2.386	43	115342	89.622	ug/l	96
17) Carbon Disulfide	2.526	76	143721	15.462	ug/l	98
18) Methyl Acetate	2.715	43	62524	18.747	ug/l	98
19) Methyl tert-butyl Ether	3.124	73	159152	16.984	ug/l	98
20) Methylene Chloride	2.800	84	58590	17.192	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	54587	16.697	ug/l	98
22) Diisopropyl ether	3.770	45	186733	17.657	ug/l	91
23) Vinyl Acetate	3.733	43	739375	85.298	ug/l	100
24) 1,1-Dichloroethane	3.623	63	102911	17.216	ug/l	99
25) 2-Butanone	4.568	43	156985	93.136	ug/l	100
26) 2,2-Dichloropropane	4.483	77	77655	17.212	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	64958	17.059	ug/l	98
28) Bromochloromethane	4.904	49	49457	19.883	ug/l #	14
29) Tetrahydrofuran	5.020	42	100323	92.088	ug/l	98
30) Chloroform	5.105	83	106236	17.414	ug/l	97
31) Cyclohexane	5.483	56	93514	16.971	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	90227	17.183	ug/l	98
36) 1,1-Dichloropropene	5.696	75	72507	17.363	ug/l	98
37) Ethyl Acetate	4.721	43	69374	16.002	ug/l #	96
38) Carbon Tetrachloride	5.690	117	80032	17.538	ug/l	97
39) Methylcyclohexane	7.385	83	89125	17.110	ug/l	94
40) Benzene	6.050	78	220365	17.630	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047430.D
 Acq On : 20 Aug 2025 10:35
 Operator : JC/MD
 Sample : VX0820WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
 Supervised By :Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 01:26:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	32344	17.692	ug/l	93
42) 1,2-Dichloroethane	6.099	62	77919	17.599	ug/l	99
43) Isopropyl Acetate	6.349	43	110163	17.688	ug/l	99
44) Trichloroethene	7.135	130	54954	17.170	ug/l	99
45) 1,2-Dichloropropane	7.434	63	54273	17.332	ug/l	100
46) Dibromomethane	7.586	93	40698	17.902	ug/l	98
47) Bromodichloromethane	7.824	83	82328	17.469	ug/l	100
48) Methyl methacrylate	7.696	41	56854	17.587	ug/l	97
49) 1,4-Dioxane	7.690	88	11406	362.941	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	335125	93.506	ug/l	98
52) Toluene	8.720	92	138882	17.981	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	72403	17.602	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	81220	17.445	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	53137	18.120	ug/l	96
56) Ethyl methacrylate	9.116	69	75185	17.389	ug/l	99
57) 1,3-Dichloropropane	9.305	76	89328	17.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	187096	95.949	ug/l	98
59) 2-Hexanone	9.433	43	226987	91.559	ug/l	99
60) Dibromochloromethane	9.519	129	61655	17.691	ug/l	98
61) 1,2-Dibromoethane	9.610	107	52535	17.373	ug/l	100
64) Tetrachloroethene	9.275	164	45932	17.239	ug/l	97
65) Chlorobenzene	10.080	112	151755	17.336	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	52523	17.750	ug/l	98
67) Ethyl Benzene	10.195	91	264573	17.561	ug/l	98
68) m/p-Xylenes	10.299	106	200944	35.769	ug/l	99
69) o-Xylene	10.640	106	97003	17.943	ug/l	96
70) Styrene	10.653	104	164340	17.991	ug/l	100
71) Bromoform	10.799	173	39163	17.617	ug/l #	99
73) Isopropylbenzene	10.964	105	256220	17.329	ug/l	99
74) N-amyl acetate	10.842	43	93750	16.697	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	76376	17.594	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	60088m	17.340	ug/l	
77) Bromobenzene	11.195	156	62108	17.202	ug/l	98
78) n-propylbenzene	11.305	91	305865	17.321	ug/l	100
79) 2-Chlorotoluene	11.360	91	181694	17.021	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	210710	17.321	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10400	18.858	ug/l	96
82) 4-Chlorotoluene	11.451	91	216515	17.207	ug/l	99
83) tert-Butylbenzene	11.713	119	211697	17.442	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	213463	17.547	ug/l	99
85) sec-Butylbenzene	11.890	105	268675	17.860	ug/l	100
86) p-Isopropyltoluene	12.006	119	225219	17.692	ug/l	99
87) 1,3-Dichlorobenzene	11.970	146	116436	16.881	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	120251	16.951	ug/l	99
89) n-Butylbenzene	12.329	91	208015	17.569	ug/l	99
90) Hexachloroethane	12.536	117	37901	16.972	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	112636	17.205	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14705	17.516	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	71685	16.333	ug/l	99
94) Hexachlorobutadiene	13.719	225	27248	17.442	ug/l	98
95) Naphthalene	13.774	128	212701	16.959	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	70071	16.938	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047430.D
Acq On : 20 Aug 2025 10:35
Operator : JC/MD
Sample : VX0820WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 01:26:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

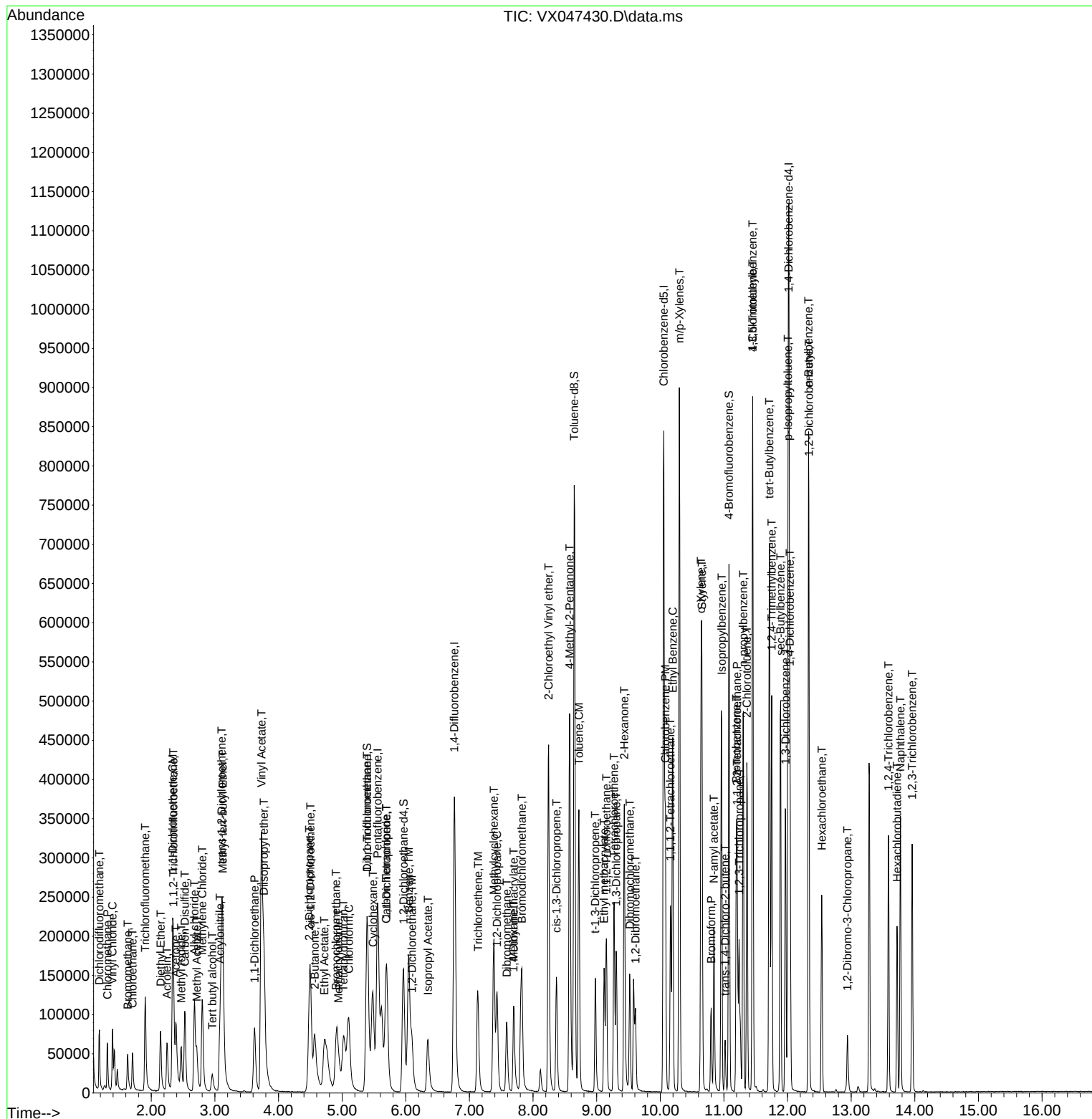
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBS01

Manual Integrations

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047431.D
 Acq On : 20 Aug 2025 11:06
 Operator : JC/MD
 Sample : VX0820WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/21/2025
 Supervised By :Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 01:27:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	227988	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	384011	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	353527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	182846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	162719	50.997	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.000%			
35) Dibromofluoromethane	5.391	113	125723	50.445	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%			
50) Toluene-d8	8.647	98	446972	50.176	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.360%			
62) 4-Bromofluorobenzene	11.079	95	169991	51.712	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	47766	16.435	ug/l	96
3) Chloromethane	1.313	50	44193	16.903	ug/l	100
4) Vinyl Chloride	1.392	62	53564	16.323	ug/l	99
5) Bromomethane	1.630	94	22897	17.274	ug/l	93
6) Chloroethane	1.703	64	33153	16.512	ug/l	94
7) Trichlorofluoromethane	1.904	101	80790	16.644	ug/l	97
8) Diethyl Ether	2.148	74	30154	17.643	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	49180	17.466	ug/l	99
10) Methyl Iodide	2.471	142	62366	12.925	ug/l	98
11) Tert butyl alcohol	2.959	59	28284	101.896	ug/l	99
12) 1,1-Dichloroethene	2.337	96	46858	16.324	ug/l	96
13) Acrolein	2.251	56	55323	94.415	ug/l	99
14) Allyl chloride	2.678	41	85637	17.176	ug/l	95
15) Acrylonitrile	3.081	53	130185	97.058	ug/l	99
16) Acetone	2.392	43	106316	88.645	ug/l	99
17) Carbon Disulfide	2.526	76	134531	15.531	ug/l	99
18) Methyl Acetate	2.715	43	61940	19.929	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	156324	17.901	ug/l	99
20) Methylene Chloride	2.800	84	55948	17.617	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	50391	16.539	ug/l	95
22) Diisopropyl ether	3.769	45	181876	18.455	ug/l	94
23) Vinyl Acetate	3.733	43	729825	90.349	ug/l	100
24) 1,1-Dichloroethane	3.623	63	97939	17.582	ug/l	99
25) 2-Butanone	4.568	43	156361	99.545	ug/l	95
26) 2,2-Dichloropropane	4.483	77	69257	16.473	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	60972	17.182	ug/l	98
28) Bromochloromethane	4.903	49	47632	20.549	ug/l	97
29) Tetrahydrofuran	5.031	42	97222	95.762	ug/l	97
30) Chloroform	5.099	83	102109	17.961	ug/l	100
31) Cyclohexane	5.483	56	84781	16.510	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	84427	17.254	ug/l	98
36) 1,1-Dichloropropene	5.702	75	69369	17.632	ug/l	99
37) Ethyl Acetate	4.727	43	69988	17.136	ug/l	99
38) Carbon Tetrachloride	5.690	117	73703	17.143	ug/l	98
39) Methylcyclohexane	7.385	83	81477	16.603	ug/l	95
40) Benzene	6.043	78	210834	17.904	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047431.D
 Acq On : 20 Aug 2025 11:06
 Operator : JC/MD
 Sample : VX0820WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 08/21/2025
 Supervised By : Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 01:27:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	32225	18.710	ug/l	95
42) 1,2-Dichloroethane	6.092	62	75740	18.158	ug/l	98
43) Isopropyl Acetate	6.348	43	107083	18.250	ug/l	99
44) Trichloroethene	7.129	130	51689	17.142	ug/l	89
45) 1,2-Dichloropropane	7.433	63	51821	17.566	ug/l	94
46) Dibromomethane	7.586	93	38833	18.131	ug/l	99
47) Bromodichloromethane	7.824	83	79446	17.893	ug/l #	97
48) Methyl methacrylate	7.696	41	55754	18.306	ug/l	97
49) 1,4-Dioxane	7.690	88	13278	448.471	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	330877	97.994	ug/l	98
52) Toluene	8.720	92	131557	18.079	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	69086	17.828	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	78242	17.838	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	52294	18.928	ug/l	97
56) Ethyl methacrylate	9.116	69	74450	18.278	ug/l	98
57) 1,3-Dichloropropane	9.305	76	88113	18.717	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	185370	100.474	ug/l	100
59) 2-Hexanone	9.433	43	223032	95.492	ug/l	100
60) Dibromochloromethane	9.518	129	60107	18.307	ug/l	100
61) 1,2-Dibromoethane	9.610	107	54038	18.968	ug/l	98
64) Tetrachloroethene	9.275	164	43565	17.037	ug/l	96
65) Chlorobenzene	10.079	112	146221	17.405	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	50211	17.680	ug/l	99
67) Ethyl Benzene	10.195	91	249927	17.284	ug/l	99
68) m/p-Xylenes	10.299	106	191975	35.606	ug/l	99
69) o-Xylene	10.640	106	89811	17.309	ug/l	99
70) Styrene	10.652	104	157756	17.994	ug/l	100
71) Bromoform	10.799	173	38527	18.058	ug/l #	98
73) Isopropylbenzene	10.963	105	241936	16.908	ug/l	99
74) N-amyl acetate	10.841	43	93131	17.140	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	75532	17.979	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	58654m	17.490	ug/l	
77) Bromobenzene	11.195	156	59608	17.060	ug/l	98
78) n-propylbenzene	11.305	91	287881	16.846	ug/l	98
79) 2-Chlorotoluene	11.360	91	172746	16.722	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	201744	17.136	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9836	18.609	ug/l	94
82) 4-Chlorotoluene	11.451	91	205121	16.845	ug/l	99
83) tert-Butylbenzene	11.713	119	200091	17.036	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	204454	17.366	ug/l	100
85) sec-Butylbenzene	11.890	105	254052	17.451	ug/l	99
86) p-Isopropyltoluene	12.006	119	212198	17.225	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	114949	17.221	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	113624	16.551	ug/l	97
89) n-Butylbenzene	12.329	91	196627	17.160	ug/l	99
90) Hexachloroethane	12.536	117	37123	17.177	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	110765	17.483	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14196	17.473	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	70584	16.618	ug/l	99
94) Hexachlorobutadiene	13.719	225	27444	18.153	ug/l	96
95) Naphthalene	13.774	128	209954	17.297	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	69798	17.434	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047431.D
Acq On : 20 Aug 2025 11:06
Operator : JC/MD
Sample : VX0820WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 01:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

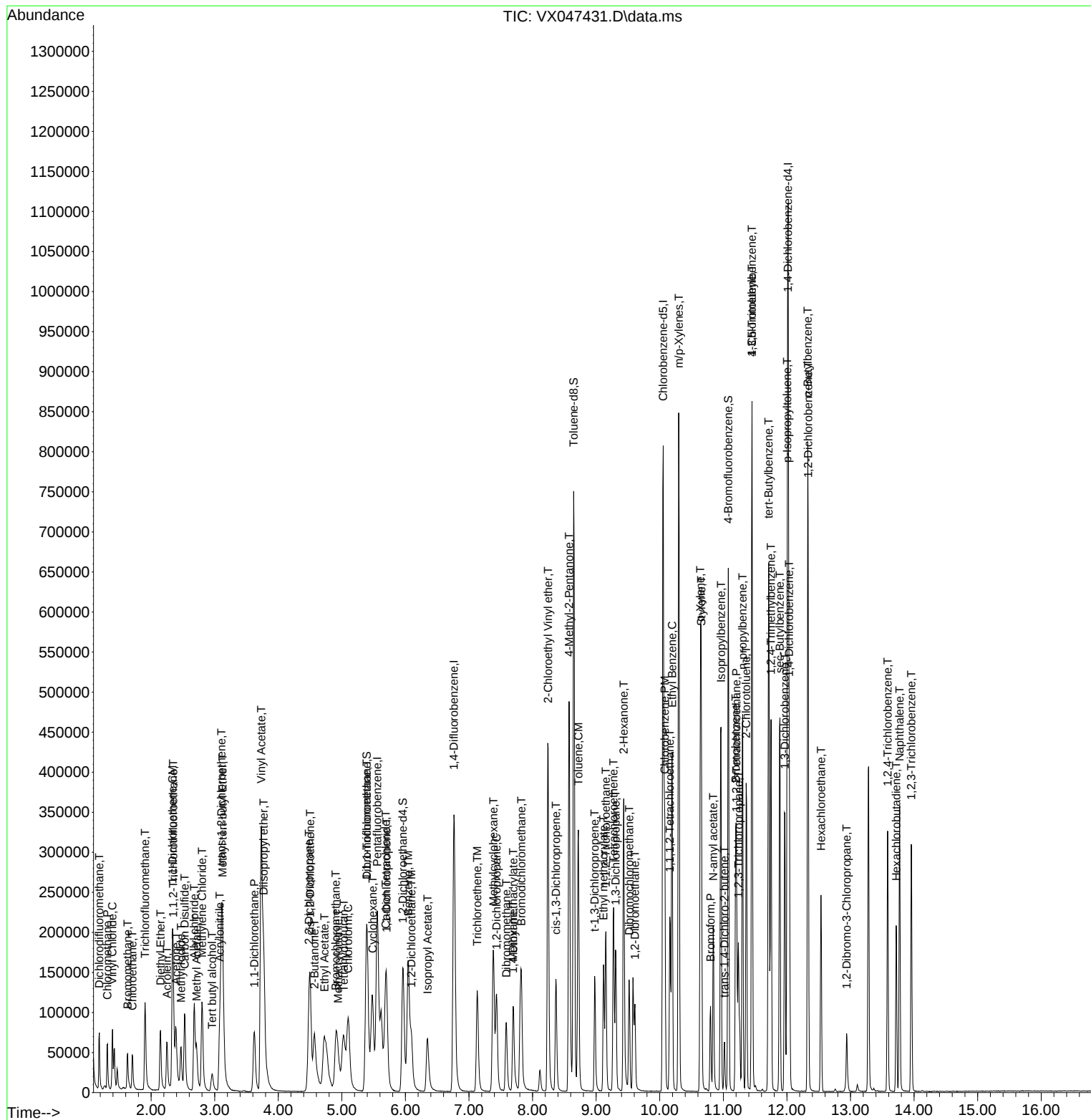
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047431.D
Acq On : 20 Aug 2025 11:06
Operator : JC/MD
Sample : VX0820WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Manual Integrations

Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 01:27:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VX047349.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDIC005	VX047349.D	1,4-Dioxane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDIC005	VX047349.D	Tetrahydrofuran	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDIC020	VX047350.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDIC020	VX047350.D	1,4-Dioxane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICCC050	VX047351.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:42:59 AM	MMDadoda	8/19/2025 1:41:07 AM	Peak Integrated by Software
VSTDIC100	VX047352.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:03 AM	MMDadoda	8/19/2025 1:41:08 AM	Peak Integrated by Software
VSTDIC150	VX047353.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:07 AM	MMDadoda	8/19/2025 1:41:10 AM	Peak Integrated by Software
VSTDIC001	VX047356.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDIC001	VX047356.D	1,4-Dichlorobenzene	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDIC001	VX047356.D	1,4-Dioxane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDIC001	VX047356.D	Allyl chloride	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDIC001	VX047356.D	Ethyl Acetate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047356.D	Methacrylonitrile	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Methyl methacrylate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Tetrahydrofuran	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,4-Dioxane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDCCC050	VX047369.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:44 AM	MMDadoda	8/19/2025 1:41:35 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX082025	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047427.D	1,2,3-Trichloropropane	JOHN	8/21/2025 8:44:58 AM	MMDadoda	8/22/2025 1:13:01 AM	Peak Integrated by Software
VX0820WBS01	VX047430.D	1,2,3-Trichloropropane	JOHN	8/21/2025 8:45:03 AM	MMDadoda	8/22/2025 1:13:04 AM	Peak Integrated by Software
VX0820WBSD01	VX047431.D	1,2,3-Trichloropropane	JOHN	8/21/2025 8:45:08 AM	MMDadoda	8/22/2025 1:13:06 AM	Peak Integrated by Software
Q2878-01	VX047450.D	Chloroform	JOHN	8/21/2025 8:45:32 AM	MMDadoda	8/22/2025 1:13:14 AM	Peak Integrated by Software
Q2878-01DL	VX047451.D	Tetrahydrofuran	JOHN	8/21/2025 8:45:37 AM	MMDadoda	8/22/2025 1:13:16 AM	Peak Integrated by Software
VSTDCCC050	VX047453.D	1,2,3-Trichloropropane	JOHN	8/21/2025 8:45:42 AM	MMDadoda	8/22/2025 1:13:19 AM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM
Supervise By	Maresh Dadoda	Supervise On	8/19/2025 1:41:47 AM
SubDirectory	VX081525	HP Acquire Method	HP Processing Method 82X081525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135148		
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158		
CCC	VP135152		
Internal Standard/PEM			
ICV/I.BLK	VP135159		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047347.D	15 Aug 2025 08:28	JC/MD	Ok
2	VSTDIC001	VX047348.D	15 Aug 2025 09:18	JC/MD	Not Ok
3	VSTDIC005	VX047349.D	15 Aug 2025 09:40	JC/MD	Ok,M
4	VSTDIC020	VX047350.D	15 Aug 2025 10:01	JC/MD	Ok,M
5	VSTDIC050	VX047351.D	15 Aug 2025 10:22	JC/MD	Ok,M
6	VSTDIC100	VX047352.D	15 Aug 2025 10:43	JC/MD	Ok,M
7	VSTDIC150	VX047353.D	15 Aug 2025 11:05	JC/MD	Ok,M
8	IBLK	VX047354.D	15 Aug 2025 11:26	JC/MD	Ok
9	VSTDIC001	VX047355.D	15 Aug 2025 12:08	JC/MD	Not Ok
10	VSTDIC001	VX047356.D	15 Aug 2025 12:30	JC/MD	Ok,M
11	VSTDICV050	VX047357.D	15 Aug 2025 13:11	JC/MD	Ok,M
12	VX0815WBL01	VX047358.D	15 Aug 2025 13:39	JC/MD	Ok
13	VX0815MBL01	VX047359.D	15 Aug 2025 14:00	JC/MD	Ok
14	VX0815WBS01	VX047360.D	15 Aug 2025 14:21	JC/MD	Ok,M
15	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49	JC/MD	Ok,M
16	Q2880-01	VX047362.D	15 Aug 2025 15:10	JC/MD	Ok
17	Q2880-02	VX047363.D	15 Aug 2025 15:32	JC/MD	Ok
18	Q2880-03	VX047364.D	15 Aug 2025 15:53	JC/MD	Ok
19	Q2880-04	VX047365.D	15 Aug 2025 16:15	JC/MD	Ok
20	Q2886-01	VX047366.D	15 Aug 2025 16:36	JC/MD	Ok
21	Q2886-02	VX047367.D	15 Aug 2025 16:58	JC/MD	ReRun

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM
SubDirectory	VX081525	HP Acquire Method	HP Processing Method 82X081525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135148		
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158		
CCC	VP135152		
Internal Standard/PEM			
ICV/I.BLK	VP135159		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2837-01	VX047368.D	15 Aug 2025 17:19	JC/MD	Ok,M
23	VSTDCCC050	VX047369.D	15 Aug 2025 17:41	JC/MD	Ok,M

M : Manual Integration

A
B
C
D
E
F
G
H
I
J

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX082025

Review By	John Carlone	Review On	8/21/2025 8:55:57 AM		
Supervise By	Maresh Dadoda	Supervise On	8/22/2025 1:13:48 AM		
SubDirectory	VX082025	HP Acquire Method	MSVOA_X	HP Processing Method	82X081525W.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135191			
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP135192,VP135193			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047426.D	20 Aug 2025 07:50	JC/MD	Ok
2	VSTDCCC050	VX047427.D	20 Aug 2025 09:25	JC/MD	Ok,M
3	VX0820MBL01	VX047428.D	20 Aug 2025 09:46	JC/MD	Ok
4	VX0820WBL01	VX047429.D	20 Aug 2025 10:07	JC/MD	Ok
5	VX0820WBS01	VX047430.D	20 Aug 2025 10:35	JC/MD	Ok,M
6	VX0820WBSD01	VX047431.D	20 Aug 2025 11:06	JC/MD	Ok,M
7	Q2815-21RE	VX047432.D	20 Aug 2025 11:28	JC/MD	Confirms
8	Q2815-22	VX047433.D	20 Aug 2025 11:49	JC/MD	Ok
9	Q2815-26	VX047434.D	20 Aug 2025 12:11	JC/MD	Ok
10	Q2878-01	VX047435.D	20 Aug 2025 12:32	JC/MD	Not Ok
11	Q2878-05	VX047436.D	20 Aug 2025 12:54	JC/MD	Not Ok
12	Q2869-03	VX047437.D	20 Aug 2025 13:15	JC/MD	Not Ok
13	Q2869-04	VX047438.D	20 Aug 2025 13:37	JC/MD	Not Ok
14	Q2869-05	VX047439.D	20 Aug 2025 13:59	JC/MD	Not Ok
15	IBLK	VX047440.D	20 Aug 2025 14:20	JC/MD	Ok
16	Q2878-06	VX047441.D	20 Aug 2025 14:42	JC/MD	Ok
17	Q2900-07	VX047442.D	20 Aug 2025 15:04	JC/MD	ReRun
18	Q2900-01	VX047443.D	20 Aug 2025 15:25	JC/MD	Ok
19	Q2900-02	VX047444.D	20 Aug 2025 15:47	JC/MD	Dilution
20	Q2900-03	VX047445.D	20 Aug 2025 16:09	JC/MD	Dilution
21	Q2900-04	VX047446.D	20 Aug 2025 16:30	JC/MD	ReRun

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX082025

Review By	John Carlone	Review On	8/21/2025 8:55:57 AM		
Supervise By	Maresh Dadoda	Supervise On	8/22/2025 1:13:48 AM		
SubDirectory	VX082025	HP Acquire Method	MSVOA_X	HP Processing Method	82X081525W.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135191			
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP135192,VP135193			

22	Q2900-05	VX047447.D	20 Aug 2025 16:52	JC/MD	Dilution
23	Q2900-06	VX047448.D	20 Aug 2025 17:14	JC/MD	ReRun
24	Q2900-08	VX047449.D	20 Aug 2025 17:35	JC/MD	ReRun
25	Q2878-01	VX047450.D	20 Aug 2025 17:57	JC/MD	Dilution
26	Q2878-01DL	VX047451.D	20 Aug 2025 18:18	JC/MD	Ok,M
27	Q2878-05	VX047452.D	20 Aug 2025 18:40	JC/MD	Ok
28	VSTDCCC050	VX047453.D	20 Aug 2025 19:01	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM
SubDirectory	VX081525	HP Acquire Method	HP Processing Method 82X081525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135148		
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158		
CCC	VP135152		
Internal Standard/PEM			
ICV/I.BLK	VP135159		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047347.D	15 Aug 2025 08:28		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX047348.D	15 Aug 2025 09:18	Not used	JC/MD	Not Ok
3	VSTDIC005	VSTDIC005	VX047349.D	15 Aug 2025 09:40	LR-58,81	JC/MD	Ok,M
4	VSTDIC020	VSTDIC020	VX047350.D	15 Aug 2025 10:01		JC/MD	Ok,M
5	VSTDIC050	VSTDIC050	VX047351.D	15 Aug 2025 10:22		JC/MD	Ok,M
6	VSTDIC100	VSTDIC100	VX047352.D	15 Aug 2025 10:43		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX047353.D	15 Aug 2025 11:05		JC/MD	Ok,M
8	IBLK	IBLK	VX047354.D	15 Aug 2025 11:26		JC/MD	Ok
9	VSTDIC001	VSTDIC001	VX047355.D	15 Aug 2025 12:08	Not used	JC/MD	Not Ok
10	VSTDIC001	VSTDIC001	VX047356.D	15 Aug 2025 12:30		JC/MD	Ok,M
11	VSTDICV050	ICVVX081525	VX047357.D	15 Aug 2025 13:11		JC/MD	Ok,M
12	VX0815WBL01	VX0815WBL01	VX047358.D	15 Aug 2025 13:39		JC/MD	Ok
13	VX0815MBL01	VX0815MBL01	VX047359.D	15 Aug 2025 14:00		JC/MD	Ok
14	VX0815WBS01	VX0815WBS01	VX047360.D	15 Aug 2025 14:21		JC/MD	Ok,M
15	VX0815WBSD01	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49		JC/MD	Ok,M
16	Q2880-01	STORAGE-BLANK-SO	VX047362.D	15 Aug 2025 15:10	vial A pH<2	JC/MD	Ok
17	Q2880-02	STORAGE-BLANK-WA	VX047363.D	15 Aug 2025 15:32	vial A pH<2	JC/MD	Ok
18	Q2880-03	STORAGE-BLANK-WA	VX047364.D	15 Aug 2025 15:53	vial A pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM
Supervise By	Maresh Dadoda	Supervise On	8/19/2025 1:41:47 AM
SubDirectory	VX081525	HP Acquire Method	HP Processing Method 82X081525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135148		
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158		
CCC	VP135152		
Internal Standard/PEM			
ICV/I.BLK	VP135159		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2880-04	STORAGE-BLANK-SAI	VX047365.D	15 Aug 2025 16:15	vial A pH<2	JC/MD	Ok
20	Q2886-01	BP-TT182D-TB-202508	VX047366.D	15 Aug 2025 16:36	vial A pH<2	JC/MD	Ok
21	Q2886-02	BP-TT182D-GW-202508	VX047367.D	15 Aug 2025 16:58	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q2837-01	TW-WTS-13	VX047368.D	15 Aug 2025 17:19	vial B pH<2	JC/MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VX047369.D	15 Aug 2025 17:41		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX082025

Review By	John Carlone	Review On	8/21/2025 8:55:57 AM
Supervise By	Maresh Dadoda	Supervise On	8/22/2025 1:13:48 AM
SubDirectory	VX082025	HP Acquire Method	MSVOA_X HP Processing Method 82X081525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135191		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135192,VP135193		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047426.D	20 Aug 2025 07:50		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047427.D	20 Aug 2025 09:25	pH#Lot#V12668	JC/MD	Ok,M
3	VX0820MBL01	VX0820MBL01	VX047428.D	20 Aug 2025 09:46		JC/MD	Ok
4	VX0820WBL01	VX0820WBL01	VX047429.D	20 Aug 2025 10:07		JC/MD	Ok
5	VX0820WBS01	VX0820WBS01	VX047430.D	20 Aug 2025 10:35		JC/MD	Ok,M
6	VX0820WBSD01	VX0820WBSD01	VX047431.D	20 Aug 2025 11:06		JC/MD	Ok,M
7	Q2815-21RE	TW-11M-ERE	VX047432.D	20 Aug 2025 11:28	vial B pH<2 Surrogate Fail	JC/MD	Confirms
8	Q2815-22	TW-11M-S	VX047433.D	20 Aug 2025 11:49	vial B pH<2	JC/MD	Ok
9	Q2815-26	FB	VX047434.D	20 Aug 2025 12:11	vial B pH<2 FB	JC/MD	Ok
10	Q2878-01	MW-18B-57.5-081325	VX047435.D	20 Aug 2025 12:32	Run @ lower dilution	JC/MD	Not Ok
11	Q2878-05	MW-11A-37.5-081425	VX047436.D	20 Aug 2025 12:54	Run @ lower dilution	JC/MD	Not Ok
12	Q2869-03	MW-01-6.5-081325	VX047437.D	20 Aug 2025 13:15	Need straight run	JC/MD	Not Ok
13	Q2869-04	MW-11A-13.5-081325	VX047438.D	20 Aug 2025 13:37	Run @ 10x	JC/MD	Not Ok
14	Q2869-05	MW-19B-71.5-081325	VX047439.D	20 Aug 2025 13:59	Run @ 40x	JC/MD	Not Ok
15	IBLK	IBLK	VX047440.D	20 Aug 2025 14:20		JC/MD	Ok
16	Q2878-06	TB01-081425	VX047441.D	20 Aug 2025 14:42	vial A pH<2 TB	JC/MD	Ok
17	Q2900-07	MW-11B-081825	VX047442.D	20 Aug 2025 15:04	vial A pH<2 Surrogate Fail	JC/MD	ReRun
18	Q2900-01	MN-9C-081825	VX047443.D	20 Aug 2025 15:25	vial A pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX082025

Review By	John Carlone	Review On	8/21/2025 8:55:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 1:13:48 AM		
SubDirectory	VX082025	HP Acquire Method	MSVOA_X	HP Processing Method	82X081525W.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135191			
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP135192,VP135193			

19	Q2900-02	MN-12C-081825	VX047444.D	20 Aug 2025 15:47	vial A pH<2 Surrogate Fail;Need 50X	JC/MD	Dilution
20	Q2900-03	DUP-01-081825	VX047445.D	20 Aug 2025 16:09	vial A pH<2 Surrogate Fail;Need 50X	JC/MD	Dilution
21	Q2900-04	MW-17B-081825	VX047446.D	20 Aug 2025 16:30	vial A pH<2 E flag of previous sample	JC/MD	ReRun
22	Q2900-05	MW-11C-081825	VX047447.D	20 Aug 2025 16:52	vial A pH<2 Need 50X	JC/MD	Dilution
23	Q2900-06	MW-17C-081825	VX047448.D	20 Aug 2025 17:14	vial A pH<2 Surrogate Fail	JC/MD	ReRun
24	Q2900-08	TB-081825	VX047449.D	20 Aug 2025 17:35	vial A pH<2 TB,Surrogate Fail	JC/MD	ReRun
25	Q2878-01	MW-18B-57.5-081325	VX047450.D	20 Aug 2025 17:57	vial A pH<2 Need 10X	JC/MD	Dilution
26	Q2878-01DL	MW-18B-57.5-081325	VX047451.D	20 Aug 2025 18:18	vial B pH<2	JC/MD	Ok,M
27	Q2878-05	MW-11A-37.5-081425	VX047452.D	20 Aug 2025 18:40	vial A pH<2	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX047453.D	20 Aug 2025 19:01		JC/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q2878	OrderDate:	8/14/2025 3:49:00 PM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2878-01	MW-18B-57.5-081325	Water	VOCMS Group3	8260-Low	08/13/25		08/20/25	08/14/25
Q2878-01DL	MW-18B-57.5-081325 DL	Water	VOCMS Group3	8260-Low	08/13/25		08/20/25	08/14/25
Q2878-05	MW-11A-37.5-081425	Water	VOCMS Group3	8260-Low	08/14/25		08/20/25	08/14/25
Q2878-06	TB01-081425	Water	VOCMS Group3	8260-Low	08/14/25		08/20/25	08/14/25