

Hit Summary Sheet
SW-846

SDG No.: Q2841
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW-06-6.5-08122025							
Q2841-01	MW-06-6.5-081220	Water	cis-1,2-Dichloroethene	950		38.0	200	ug/L
Q2841-01	MW-06-6.5-081220	Water	Trichloroethene	61500	E	18.6	200	ug/L
Q2841-01	MW-06-6.5-081220	Water	Tetrachloroethene	380		46.0	200	ug/L
			Total Voc :	62800				
			Total Concentration:	62800				
Client ID:	MW-06-6.5-08122025DL							
Q2841-01DL	MW-06-6.5-081220	Water	cis-1,2-Dichloroethene	910	JD	190	1000	ug/L
Q2841-01DL	MW-06-6.5-081220	Water	Trichloroethene	55200	D	93.0	1000	ug/L
Q2841-01DL	MW-06-6.5-081220	Water	Tetrachloroethene	340	JD	230	1000	ug/L
			Total Voc :	56500				
			Total Concentration:	56500				



SAMPLE DATA

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger Site Princeton NJ 2025
 Client Sample ID: MW-06-6.5-08122025
 Lab Sample ID: Q2841-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level : LOW
 Final Vol: 5000 uL

Date Collected: 08/12/25
 Date Received: 08/12/25
 SDG No.: Q2841
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	52.0	U	200	52.0	200	ug/L	08/19/25 14:29	VX081925
75-35-4	1,1-Dichloroethene	46.0	U	200	46.0	200	ug/L	08/19/25 14:29	VX081925
75-34-3	1,1-Dichloroethane	46.0	U	200	46.0	200	ug/L	08/19/25 14:29	VX081925
156-59-2	cis-1,2-Dichloroethene	950		200	38.0	200	ug/L	08/19/25 14:29	VX081925
71-55-6	1,1,1-Trichloroethane	40.0	U	200	40.0	200	ug/L	08/19/25 14:29	VX081925
71-43-2	Benzene	30.0	U	200	30.0	200	ug/L	08/19/25 14:29	VX081925
107-06-2	1,2-Dichloroethane	44.0	U	200	44.0	200	ug/L	08/19/25 14:29	VX081925
79-01-6	Trichloroethene	61500	E	200	18.6	200	ug/L	08/19/25 14:29	VX081925
79-00-5	1,1,2-Trichloroethane	42.0	U	200	42.0	200	ug/L	08/19/25 14:29	VX081925
127-18-4	Tetrachloroethene	380		200	46.0	200	ug/L	08/19/25 14:29	VX081925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.9			70 (74) - 130 (125)	114%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.9			70 (75) - 130 (124)	102%	SPK: 50		
2037-26-5	Toluene-d8	49.3			70 (86) - 130 (113)	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.3			70 (77) - 130 (121)	111%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	211000							
540-36-3	1,4-Difluorobenzene	424000							
3114-55-4	Chlorobenzene-d5	415000							
3855-82-1	1,4-Dichlorobenzene-d4	215000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger Site Princeton NJ 2025
 Client Sample ID: MW-06-6.5-08122025DL
 Lab Sample ID: Q2841-01DL
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level : LOW
 Final Vol: 5000 uL

Date Collected: 08/12/25
 Date Received: 08/12/25
 SDG No.: Q2841
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	260	UD	1000	260	1000	ug/L	08/19/25 14:50	VX081925
75-35-4	1,1-Dichloroethene	230	UD	1000	230	1000	ug/L	08/19/25 14:50	VX081925
75-34-3	1,1-Dichloroethane	230	UD	1000	230	1000	ug/L	08/19/25 14:50	VX081925
156-59-2	cis-1,2-Dichloroethene	910	JD	1000	190	1000	ug/L	08/19/25 14:50	VX081925
71-55-6	1,1,1-Trichloroethane	200	UD	1000	200	1000	ug/L	08/19/25 14:50	VX081925
71-43-2	Benzene	150	UD	1000	150	1000	ug/L	08/19/25 14:50	VX081925
107-06-2	1,2-Dichloroethane	220	UD	1000	220	1000	ug/L	08/19/25 14:50	VX081925
79-01-6	Trichloroethene	55200	D	1000	93.0	1000	ug/L	08/19/25 14:50	VX081925
79-00-5	1,1,2-Trichloroethane	210	UD	1000	210	1000	ug/L	08/19/25 14:50	VX081925
127-18-4	Tetrachloroethene	340	JD	1000	230	1000	ug/L	08/19/25 14:50	VX081925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.2			70 (74) - 130 (125)	120%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.3			70 (75) - 130 (124)	105%	SPK: 50		
2037-26-5	Toluene-d8	50.6			70 (86) - 130 (113)	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	58.0			70 (77) - 130 (121)	116%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	214000							
540-36-3	1,4-Difluorobenzene	431000							
3114-55-4	Chlorobenzene-d5	441000							
3855-82-1	1,4-Dichlorobenzene-d4	231000							

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.: Q2841

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2841-01	MW-06-6.5-08122025	1,2-Dichloroethane-d4	50	56.9	114		70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102		70 (75)	130 (124)
		Toluene-d8	50	49.3	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.3	111		70 (77)	130 (121)
Q2841-01DL	MW-06-6.5-08122025DL	1,2-Dichloroethane-d4	50	60.2	120		70 (74)	130 (125)
		Dibromofluoromethane	50	52.3	105		70 (75)	130 (124)
		Toluene-d8	50	50.6	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.0	116		70 (77)	130 (121)
VX0819WBL01	VX0819WBL01	1,2-Dichloroethane-d4	50	57.3	114		70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102		70 (75)	130 (124)
		Toluene-d8	50	49.5	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.1	112		70 (77)	130 (121)
VX0819WBS01	VX0819WBS01	1,2-Dichloroethane-d4	50	54.3	109		70 (74)	130 (125)
		Dibromofluoromethane	50	52.1	104		70 (75)	130 (124)
		Toluene-d8	50	50.5	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.8	106		70 (77)	130 (121)
VX0819WBSD0	VX0819WBSD01	1,2-Dichloroethane-d4	50	54.2	108		70 (74)	130 (125)
		Dibromofluoromethane	50	52.0	104		70 (75)	130 (124)
		Toluene-d8	50	50.7	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.7	107		70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2841</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	Datafile :	<u>VX047403.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0819WBS01	Vinyl chloride	20	16.6	ug/L	83			70 (65)	130 (117)	
	1,1-Dichloroethene	20	17.3	ug/L	86			70 (74)	130 (110)	
	1,1-Dichloroethane	20	18.6	ug/L	93			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	18.5	ug/L	93			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	17.9	ug/L	90			70 (80)	130 (108)	
	Benzene	20	18.0	ug/L	90			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.7	ug/L	94			70 (80)	130 (115)	
	Trichloroethene	20	17.2	ug/L	86			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	18.8	ug/L	94			70 (83)	130 (112)	
	Tetrachloroethene	20	16.7	ug/L	84			70 (67)	130 (123)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2841</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	Datafile :	<u>VX047405.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0819WBSD01	Vinyl chloride	20	16.4	ug/L	82	1		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	16.5	ug/L	83	4		70 (74)	130 (110)	20 (20)
	1,1-Dichloroethane	20	17.9	ug/L	90	3		70 (78)	130 (112)	20 (20)
	cis-1,2-Dichloroethene	20	17.8	ug/L	89	4		70 (77)	130 (110)	20 (20)
	1,1,1-Trichloroethane	20	17.5	ug/L	88	2		70 (80)	130 (108)	20 (20)
	Benzene	20	17.6	ug/L	88	2		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	19.0	ug/L	95	1		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	19.2	ug/L	96	2		70 (83)	130 (112)	20 (20)
	Tetrachloroethene	20	16.4	ug/L	82	2		70 (67)	130 (123)	20 (15)

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0819WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q2841

Lab File ID: VX047402.D

Lab Sample ID: VX0819WBL01

Date Analyzed: 08/19/2025

Time Analyzed: 10:55

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
VX0819WBS01	VX0819WBS01	VX047403.D	08/19/2025
VX0819WBSD01	VX0819WBSD01	VX047405.D	08/19/2025
MW-06-6.5-08122025	Q2841-01	VX047410.D	08/19/2025
MW-06-6.5-08122025DL	Q2841-01DL	VX047411.D	08/19/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q2841

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
Lab Code: ACE
Lab File ID: VX047399.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05
SDG NO.: Q2841
BFB Injection Date: 08/19/2025
BFB Injection Time: 08:38
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	50.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.1
175	5.0 - 9.0% of mass 174	5.3 (7.4) 1
176	95.0 - 101.0% of mass 174	70.3 (97.6) 1
177	5.0 - 9.0% of mass 176	5 (7.1) 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	VX047400.D	08/19/2025	09:37
VX0819WBL01	VX0819WBL01	VX047402.D	08/19/2025	10:55
VX0819WBS01	VX0819WBS01	VX047403.D	08/19/2025	11:55
VX0819WBSD01	VX0819WBSD01	VX047405.D	08/19/2025	12:37
MW-06-6.5-08122025	Q2841-01	VX047410.D	08/19/2025	14:29
MW-06-6.5-08122025DL	Q2841-01DL	VX047411.D	08/19/2025	14:50

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05
 Lab Code: ACE SDG NO.: Q2841
 Lab File ID: VX047400.D Date Analyzed: 08/19/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:37
 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	203851	5.56	365078	6.76	334051	10.06
UPPER LIMIT	407702	6.062	730156	7.263	668102	10.555
LOWER LIMIT	101926	5.062	182539	6.263	167026	9.555
EPA SAMPLE NO.						
MW-06-6.5-08122025	210753	5.57	423890	6.77	415490	10.06
MW-06-6.5-08122025DL	214007	5.57	430805	6.77	440552	10.06
VX0819WBL01	204625	5.56	410508	6.76	416324	10.06
VX0819WBS01	225610	5.56	400778	6.76	370967	10.05
VX0819WBSD01	228746	5.57	395063	6.77	371284	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: Alliance Contract: JACO05
 Lab Code: ACE SDG NO.: Q2841
 Lab File ID: VX047400.D Date Analyzed: 08/19/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:37
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	167955	12.018				
UPPER LIMIT	335910	12.518				
LOWER LIMIT	83977.5	11.518				
EPA SAMPLE NO.						
MW-06-6.5-08122025	214606	12.02				
MW-06-6.5-08122025DL	231200	12.02				
VX0819WBL01	212865	12.02				
VX0819WBS01	189862	12.02				
VX0819WBSD01	189413	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.
 Project: Former Schlumberger Site Princeton NJ 2025
 Client Sample ID: VX0819WBL01
 Lab Sample ID: VX0819WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level : LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q2841
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	08/19/25 10:55	VX081925
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	08/19/25 10:55	VX081925
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	08/19/25 10:55	VX081925
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	08/19/25 10:55	VX081925
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	08/19/25 10:55	VX081925
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	08/19/25 10:55	VX081925
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	08/19/25 10:55	VX081925
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	08/19/25 10:55	VX081925
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	08/19/25 10:55	VX081925
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	08/19/25 10:55	VX081925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.2			70 (74) - 130 (125)	114%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.9			70 (75) - 130 (124)	102%	SPK: 50		
2037-26-5	Toluene-d8	49.5			70 (86) - 130 (113)	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.1			70 (77) - 130 (121)	112%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	205000							
540-36-3	1,4-Difluorobenzene	411000							
3114-55-4	Chlorobenzene-d5	416000							
3855-82-1	1,4-Dichlorobenzene-d4	213000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger Site Princeton NJ 2025
 Client Sample ID: VX0819WBS01
 Lab Sample ID: VX0819WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level : LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q2841
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	16.6		1	0.26	1.00	ug/L	08/19/25 11:55	VX081925
75-35-4	1,1-Dichloroethene	17.3		1	0.23	1.00	ug/L	08/19/25 11:55	VX081925
75-34-3	1,1-Dichloroethane	18.6		1	0.23	1.00	ug/L	08/19/25 11:55	VX081925
156-59-2	cis-1,2-Dichloroethene	18.5		1	0.19	1.00	ug/L	08/19/25 11:55	VX081925
71-55-6	1,1,1-Trichloroethane	17.9		1	0.20	1.00	ug/L	08/19/25 11:55	VX081925
71-43-2	Benzene	18.0		1	0.15	1.00	ug/L	08/19/25 11:55	VX081925
107-06-2	1,2-Dichloroethane	18.7		1	0.22	1.00	ug/L	08/19/25 11:55	VX081925
79-01-6	Trichloroethene	17.2		1	0.090	1.00	ug/L	08/19/25 11:55	VX081925
79-00-5	1,1,2-Trichloroethane	18.8		1	0.21	1.00	ug/L	08/19/25 11:55	VX081925
127-18-4	Tetrachloroethene	16.7		1	0.23	1.00	ug/L	08/19/25 11:55	VX081925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.3			70 (74) - 130 (125)	109%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.1			70 (75) - 130 (124)	104%	SPK: 50		
2037-26-5	Toluene-d8	50.6			70 (86) - 130 (113)	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.8			70 (77) - 130 (121)	106%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	226000							
540-36-3	1,4-Difluorobenzene	401000							
3114-55-4	Chlorobenzene-d5	371000							
3855-82-1	1,4-Dichlorobenzene-d4	190000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger Site Princeton NJ 2025
 Client Sample ID: VX0819WBSD01
 Lab Sample ID: VX0819WBSD01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level : LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q2841
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	16.4		1	0.26	1.00	ug/L	08/19/25 12:37	VX081925
75-35-4	1,1-Dichloroethene	16.5		1	0.23	1.00	ug/L	08/19/25 12:37	VX081925
75-34-3	1,1-Dichloroethane	17.9		1	0.23	1.00	ug/L	08/19/25 12:37	VX081925
156-59-2	cis-1,2-Dichloroethene	17.8		1	0.19	1.00	ug/L	08/19/25 12:37	VX081925
71-55-6	1,1,1-Trichloroethane	17.5		1	0.20	1.00	ug/L	08/19/25 12:37	VX081925
71-43-2	Benzene	17.6		1	0.15	1.00	ug/L	08/19/25 12:37	VX081925
107-06-2	1,2-Dichloroethane	19.0		1	0.22	1.00	ug/L	08/19/25 12:37	VX081925
79-01-6	Trichloroethene	17.1		1	0.090	1.00	ug/L	08/19/25 12:37	VX081925
79-00-5	1,1,2-Trichloroethane	19.2		1	0.21	1.00	ug/L	08/19/25 12:37	VX081925
127-18-4	Tetrachloroethene	16.4		1	0.23	1.00	ug/L	08/19/25 12:37	VX081925
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.2			70 (74) - 130 (125)	108%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.0			70 (75) - 130 (124)	104%	SPK: 50		
2037-26-5	Toluene-d8	50.7			70 (86) - 130 (113)	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.7			70 (77) - 130 (121)	107%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	229000							
540-36-3	1,4-Difluorobenzene	395000							
3114-55-4	Chlorobenzene-d5	371000							
3855-82-1	1,4-Dichlorobenzene-d4	189000							

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>Q2841</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>Q2841</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>08/19/2025</u> <u>09:37</u>
Lab File ID:	<u>VX047400.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	0.658		-8.61	20
1,1-Dichloroethene	0.630	0.596		-5.4	20
1,1-Dichloroethane	1.222	1.251	0.1	2.37	20
cis-1,2-Dichloroethene	0.778	0.806		3.6	20
1,1,1-Trichloroethane	1.073	1.041		-2.98	20
Benzene	1.533	1.493		-2.61	20
1,2-Dichloroethane	0.543	0.561		3.32	20
Trichloroethene	0.393	0.360		-8.4	20
1,1,2-Trichloroethane	0.360	0.376		4.44	20
Tetrachloroethene	0.362	0.319		-11.88	20
1,2-Dichloroethane-d4	0.700	0.805		15	20
Dibromofluoromethane	0.325	0.344		5.85	20
Toluene-d8	1.160	1.173		1.12	20
4-Bromofluorobenzene	0.428	0.455		6.31	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\VX081925\
 Data File : VX047410.D
 Acq On : 19 Aug 2025 14:29
 Operator : JC/MD
 Sample : Q2841-01 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06-6.5-08122025

Quant Time: Aug 19 14:46:11 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

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

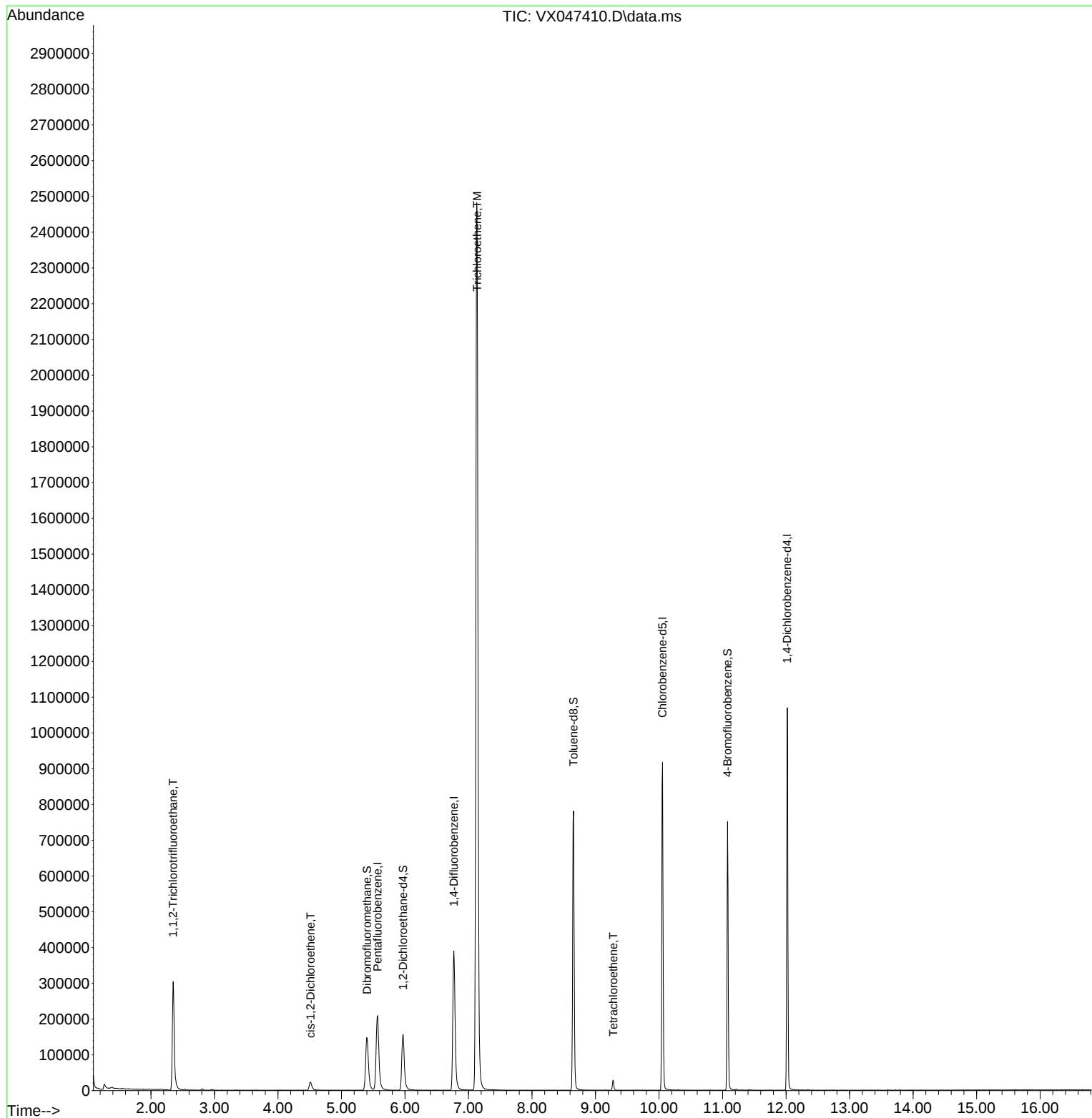
Internal Standards						
1) Pentafluorobenzene	5.568	168	210753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	423890	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	415490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	214606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	167838	56.903	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.800%
35) Dibromofluoromethane	5.404	113	140086	50.920	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.840%
50) Toluene-d8	8.653	98	484493	49.272	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.540%
62) 4-Bromofluorobenzene	11.079	95	200479	55.250	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.500%
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.349	101	140414	53.946	ug/l	99
27) cis-1,2-Dichloroethene	4.513	96	15656	4.773	ug/l	93
44) Trichloroethene	7.135	130	1023656	307.552	ug/l	98
64) Tetrachloroethene	9.281	164	5773	1.921	ug/l #	89

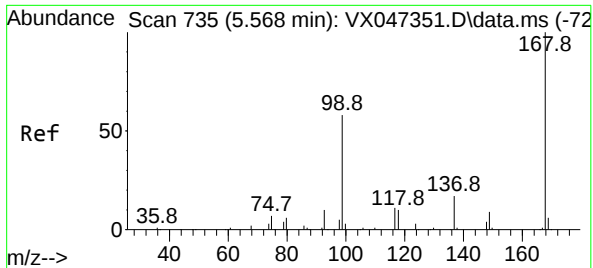
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047410.D
Acq On : 19 Aug 2025 14:29
Operator : JC/MD
Sample : Q2841-01 200X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025

Quant Time: Aug 19 14:46:11 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

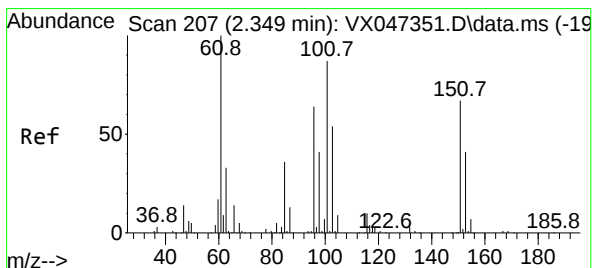
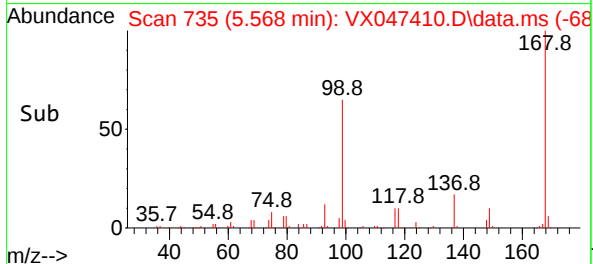
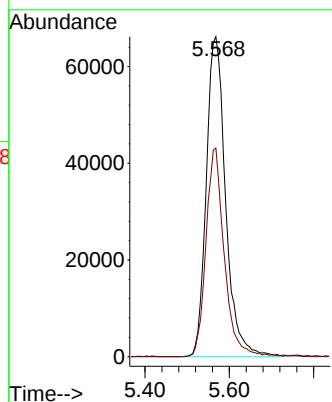
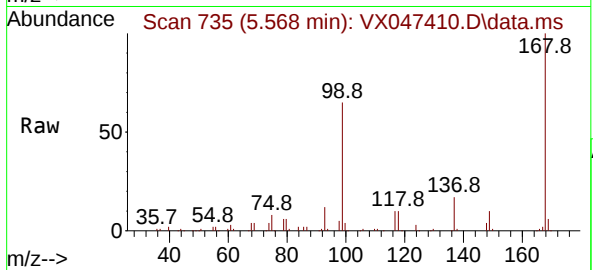




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047410.D
Acq: 19 Aug 2025 14:29

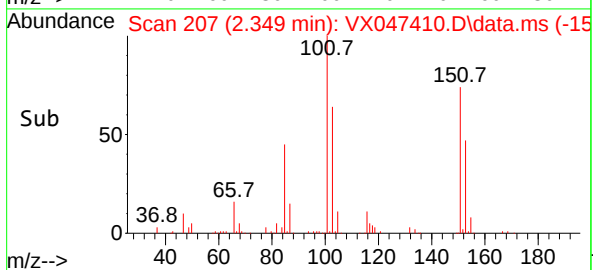
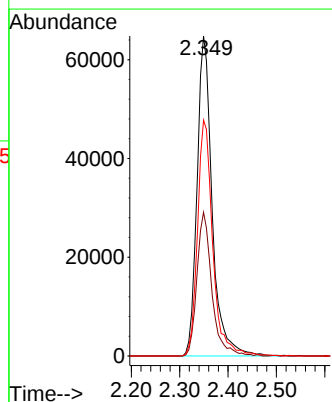
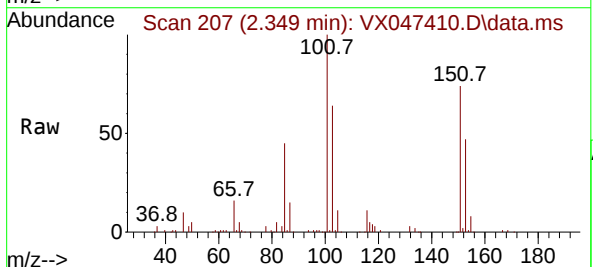
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025

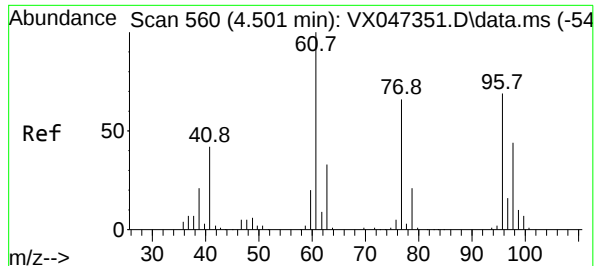
Tgt Ion:168 Resp: 210753
Ion Ratio Lower Upper
168 100
99 65.2 47.9 71.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.946 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX047410.D
Acq: 19 Aug 2025 14:29

Tgt Ion:101 Resp: 140414
Ion Ratio Lower Upper
101 100
85 44.4 34.3 51.5
151 74.6 59.2 88.8





#27

cis-1,2-Dichloroethene

Concen: 4.773 ug/l

RT: 4.513 min Scan# 50

Delta R.T. 0.012 min

Lab File: VX047410.D

Acq: 19 Aug 2025 14:29

Instrument :

MSVOA_X

ClientSampleId :

MW-06-6.5-08122025

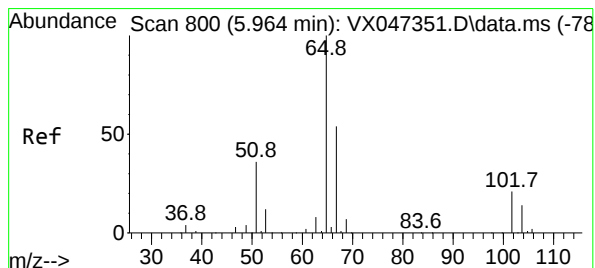
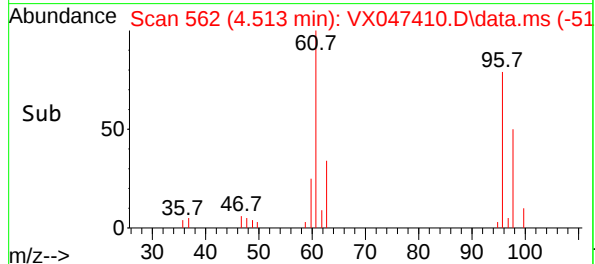
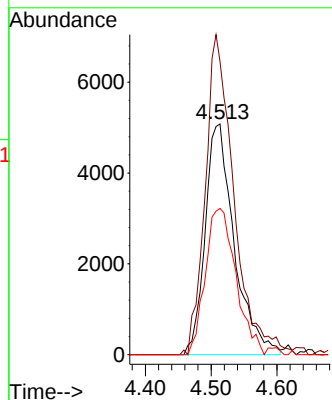
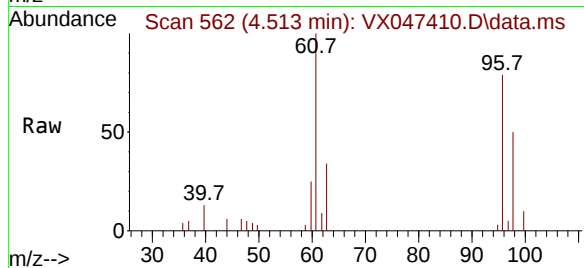
Tgt Ion: 96 Resp: 15656

Ion Ratio Lower Upper

96 100

61 136.3 0.0 296.6

98 66.4 0.0 130.4



#33

1,2-Dichloroethane-d4

Concen: 56.903 ug/l

RT: 5.971 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX047410.D

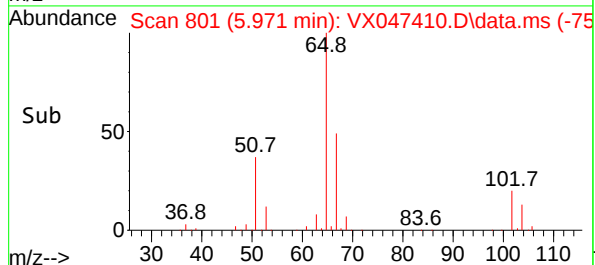
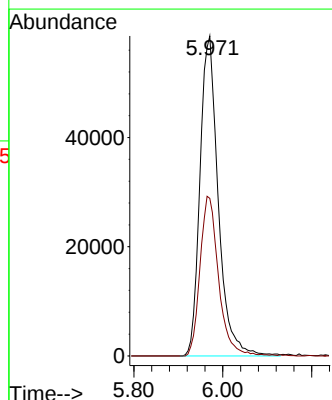
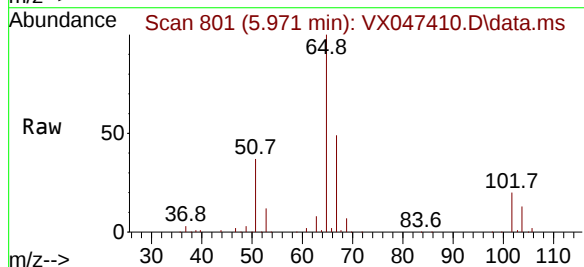
Acq: 19 Aug 2025 14:29

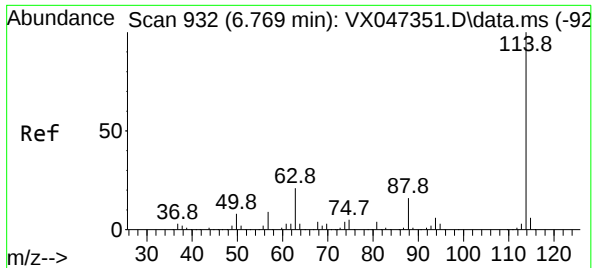
Tgt Ion: 65 Resp: 167838

Ion Ratio Lower Upper

65 100

67 50.7 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: VX047410.D

Acq: 19 Aug 2025 14:29

Instrument :

MSVOA_X

ClientSampleId :

MW-06-6.5-08122025

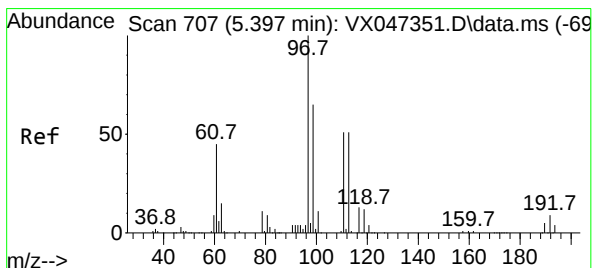
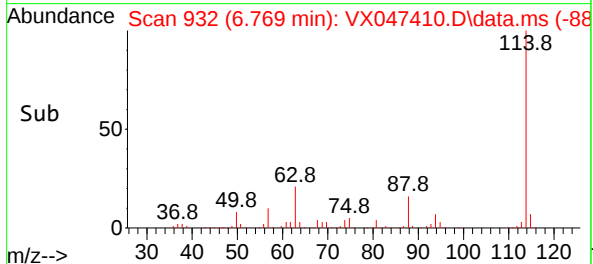
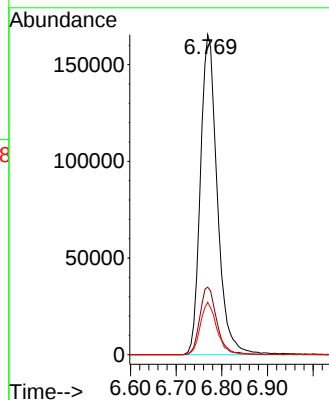
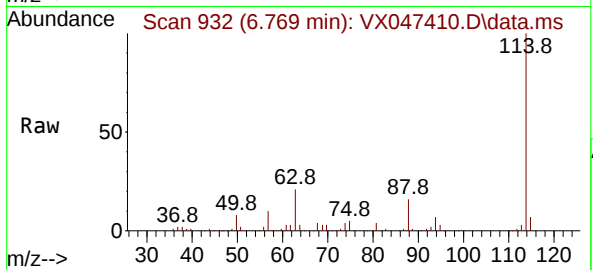
Tgt Ion:114 Resp: 423890

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.4

88 16.4 0.0 33.0



#35

Dibromofluoromethane

Concen: 50.920 ug/l

RT: 5.404 min Scan# 708

Delta R.T. 0.006 min

Lab File: VX047410.D

Acq: 19 Aug 2025 14:29

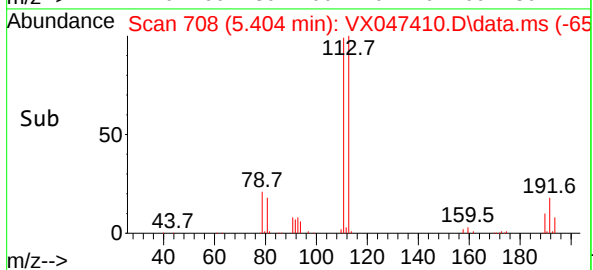
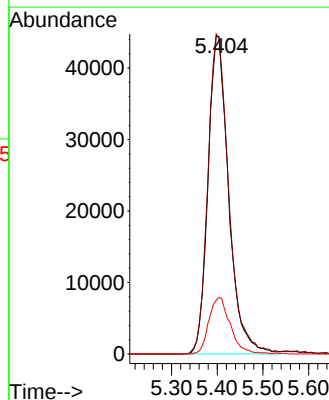
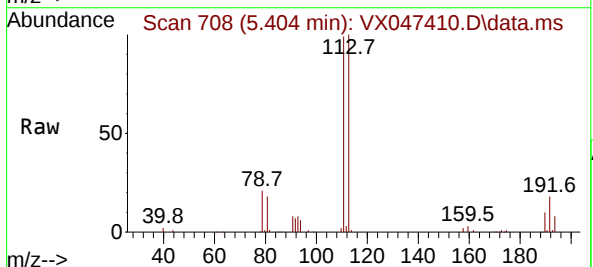
Tgt Ion:113 Resp: 140086

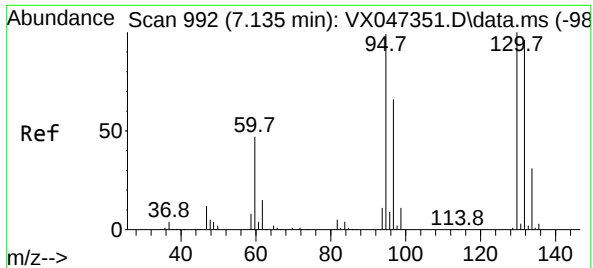
Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.2

192 18.4 14.1 21.1

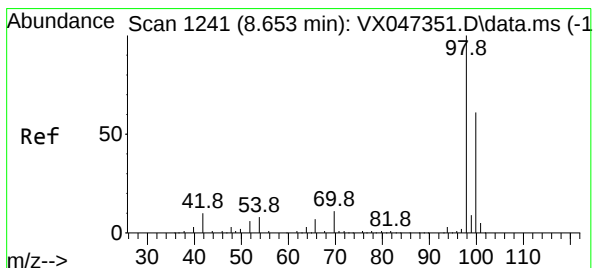
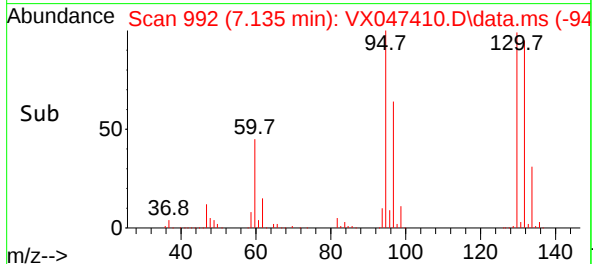
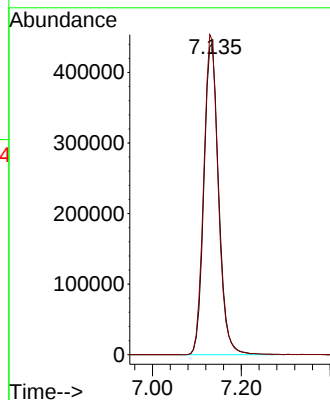
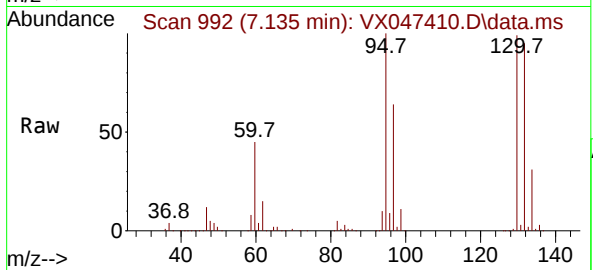




#44
Trichloroethene
Concen: 307.552 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047410.D
Acq: 19 Aug 2025 14:29

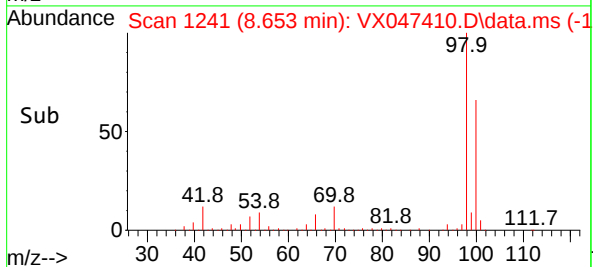
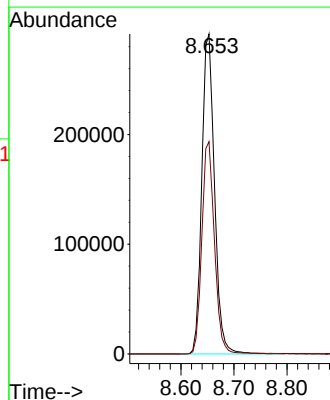
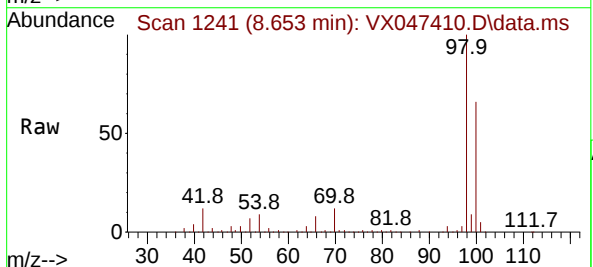
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025

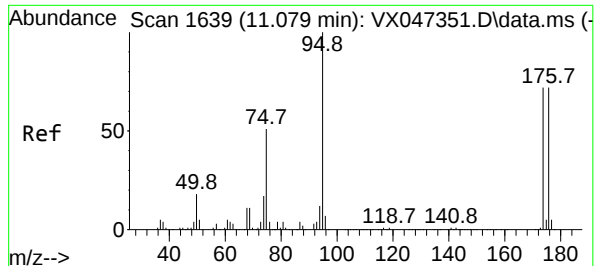
Tgt Ion:130 Resp: 1023656
Ion Ratio Lower Upper
130 100
95 101.1 0.0 198.6



#50
Toluene-d8
Concen: 49.272 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047410.D
Acq: 19 Aug 2025 14:29

Tgt Ion: 98 Resp: 484493
Ion Ratio Lower Upper
98 100
100 66.1 53.9 80.9

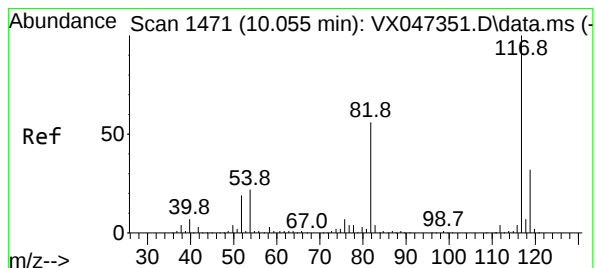
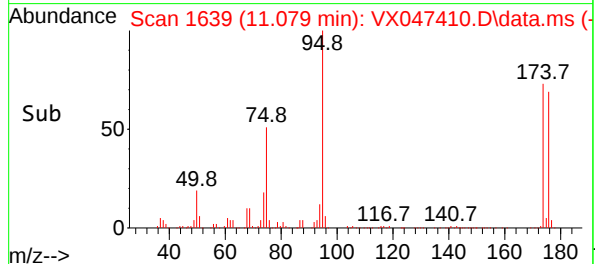
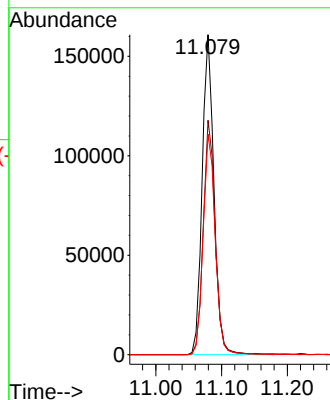
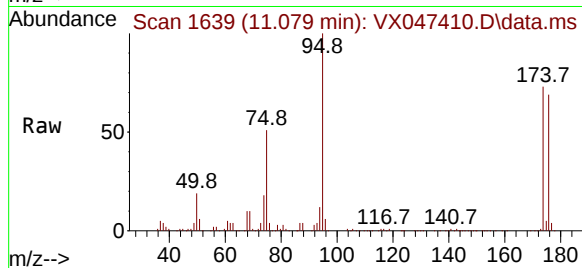




#62
4-Bromofluorobenzene
Concen: 55.250 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047410.D
Acq: 19 Aug 2025 14:29

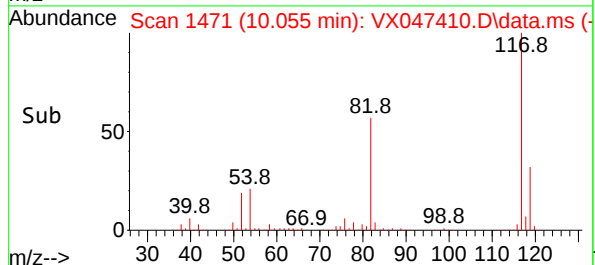
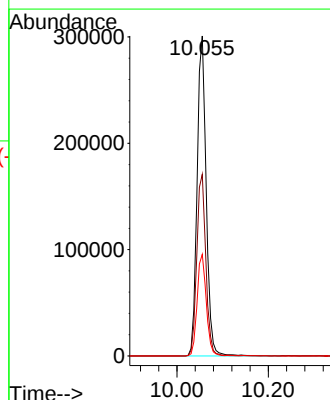
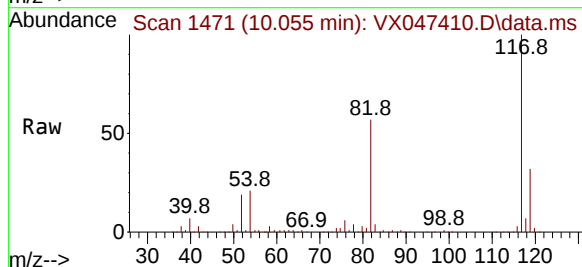
Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025

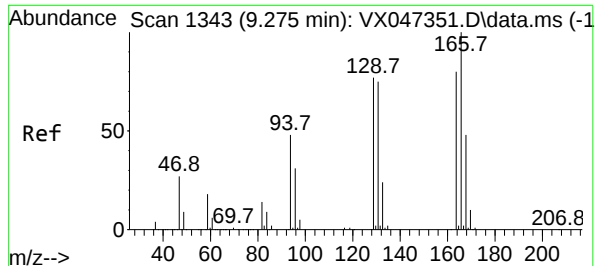
Tgt Ion: 95 Resp: 200479
Ion Ratio Lower Upper
95 100
174 74.0 0.0 148.0
176 70.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047410.D
Acq: 19 Aug 2025 14:29

Tgt Ion: 117 Resp: 415490
Ion Ratio Lower Upper
117 100
82 56.8 45.0 67.4
119 31.8 25.8 38.8





#64

Tetrachloroethene

Concen: 1.921 ug/l

RT: 9.281 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047410.D

Acq: 19 Aug 2025 14:29

Instrument :

MSVOA_X

ClientSampleId :

MW-06-6.5-08122025

Tgt Ion:164 Resp: 5773

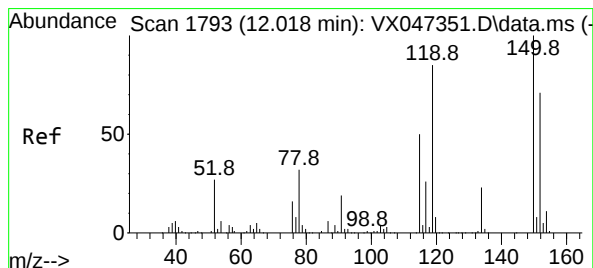
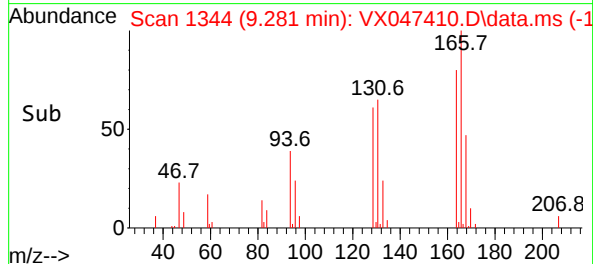
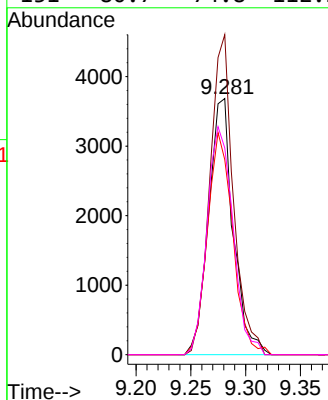
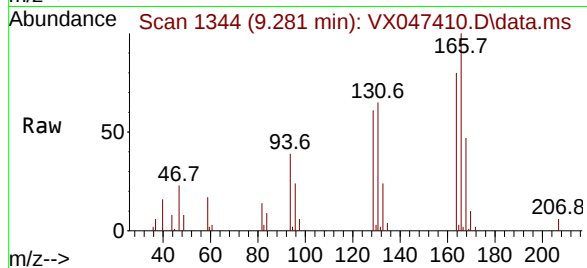
Ion Ratio Lower Upper

164 100

166 127.0 100.3 150.5

129 76.1 77.7 116.5#

131 80.7 74.8 112.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047410.D

Acq: 19 Aug 2025 14:29

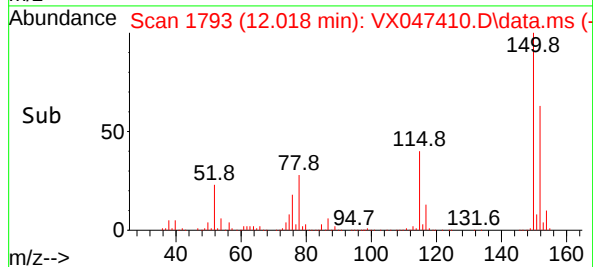
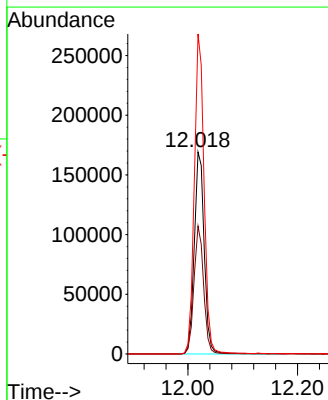
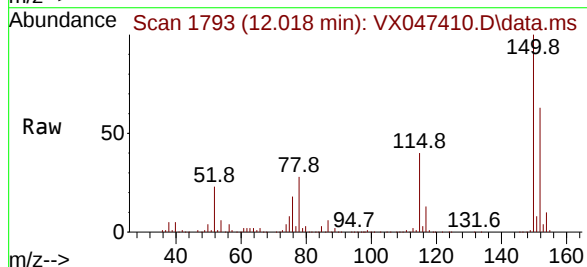
Tgt Ion:152 Resp: 214606

Ion Ratio Lower Upper

152 100

115 61.7 44.6 133.8

150 155.0 0.0 349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047411.D
 Acq On : 19 Aug 2025 14:50
 Operator : JC/MD
 Sample : Q2841-01DL 1000X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06-6.5-08122025DL

Quant Time: Aug 20 01:27:04 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)

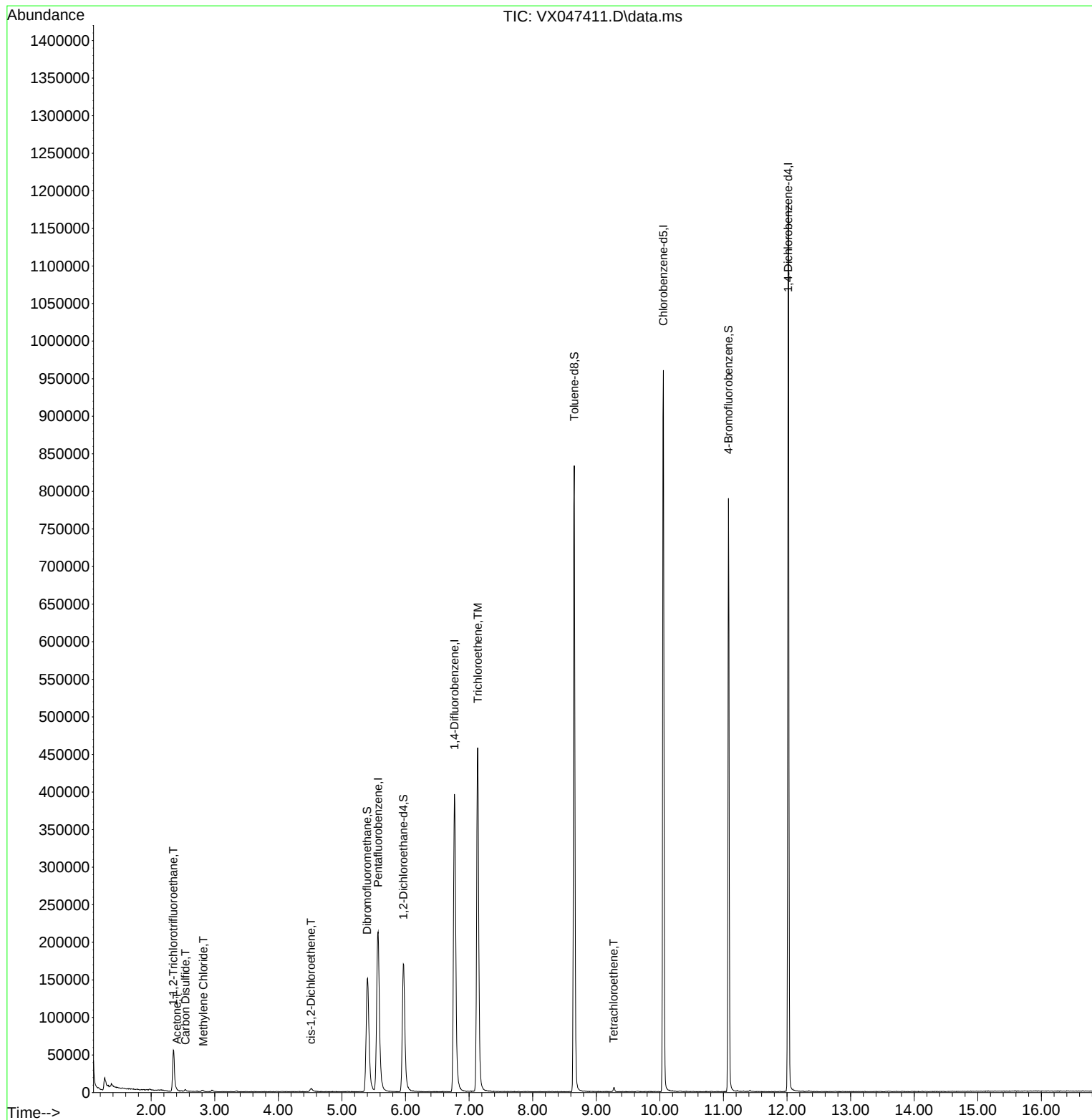
Internal Standards						
1) Pentafluorobenzene	5.568	168	214007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	430805	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	440552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	231200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	180305	60.200	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 120.400%#		
35) Dibromofluoromethane	5.397	113	146221	52.297	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.600%		
50) Toluene-d8	8.653	98	505562	50.589	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 101.180%		
62) 4-Bromofluorobenzene	11.079	95	214011	58.032	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 116.060%		
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.349	101	25483	9.642	ug/l	99
16) Acetone	2.404	43	2334	2.073	ug/l #	87
17) Carbon Disulfide	2.538	76	2678	0.329	ug/l #	89
20) Methylene Chloride	2.819	84	895	0.300	ug/l #	60
27) cis-1,2-Dichloroethene	4.513	96	3036	0.911	ug/l	81
44) Trichloroethene	7.135	130	186641	55.175	ug/l	99
64) Tetrachloroethene	9.275	164	1084	0.340	ug/l #	80

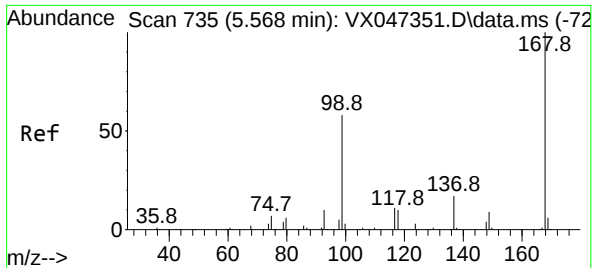
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047411.D
Acq On : 19 Aug 2025 14:50
Operator : JC/MD
Sample : Q2841-01DL 1000X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-06-6.5-08122025DL

Quant Time: Aug 20 01:27:04 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# 735

Delta R.T. 0.000 min

Lab File: VX047411.D

Acq: 19 Aug 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

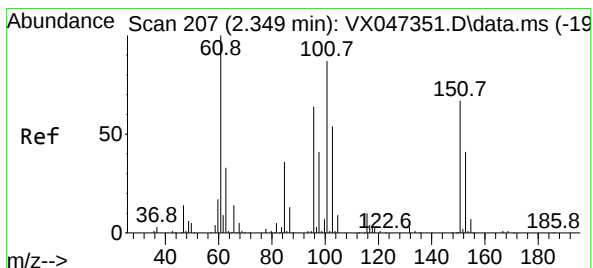
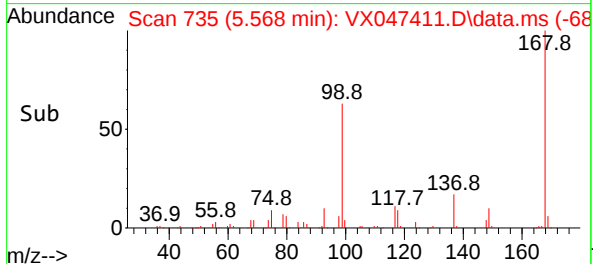
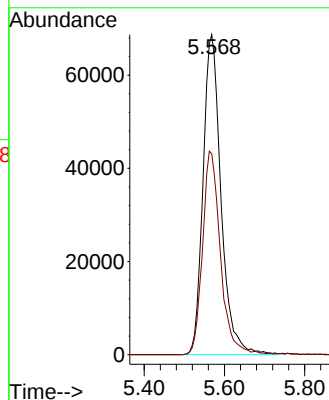
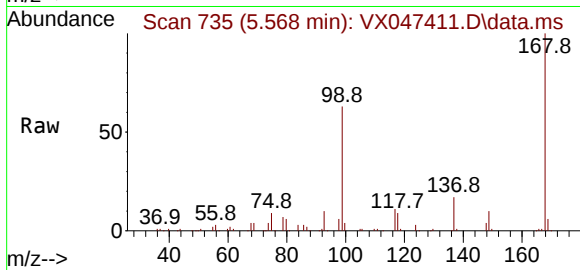
MW-06-6.5-08122025DL

Tgt Ion:168 Resp: 214007

Ion Ratio Lower Upper

168 100

99 62.8 47.9 71.9



#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.642 ug/l

RT: 2.349 min Scan# 207

Delta R.T. 0.000 min

Lab File: VX047411.D

Acq: 19 Aug 2025 14:50

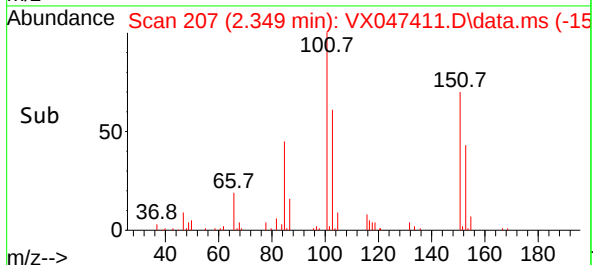
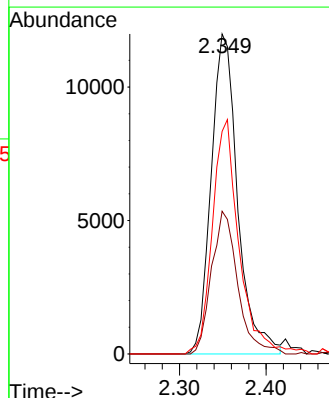
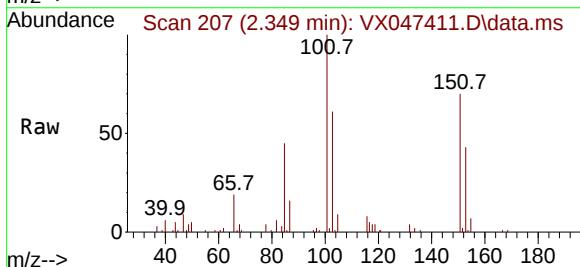
Tgt Ion:101 Resp: 25483

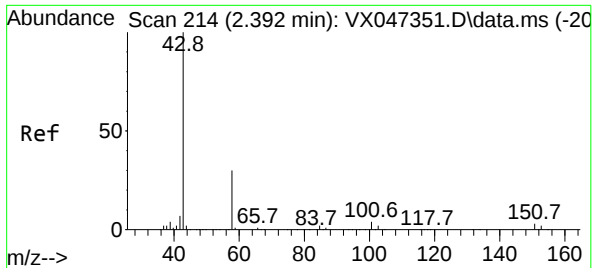
Ion Ratio Lower Upper

101 100

85 44.2 34.3 51.5

151 73.6 59.2 88.8





#16

Acetone

Concen: 2.073 ug/l

RT: 2.404 min Scan# 216

Delta R.T. 0.012 min

Lab File: VX047411.D

Acq: 19 Aug 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

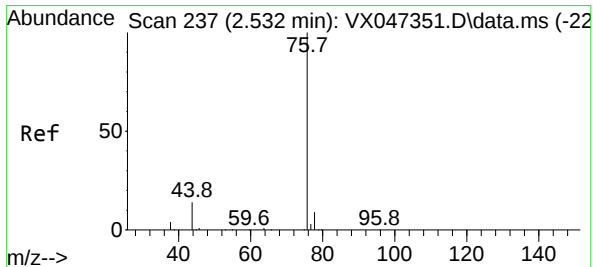
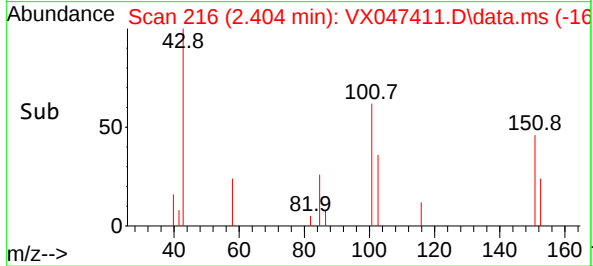
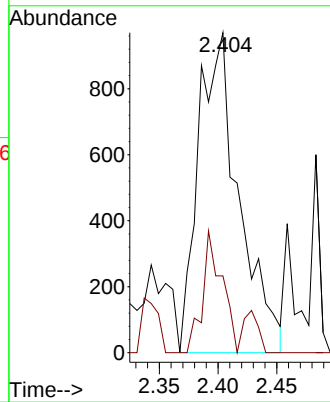
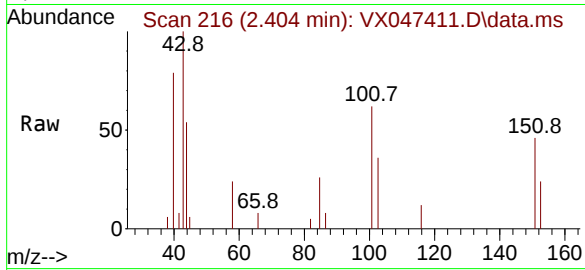
MW-06-6.5-08122025DL

Tgt Ion: 43 Resp: 2334

Ion Ratio Lower Upper

43 100

58 24.0 24.8 37.2#



#17

Carbon Disulfide

Concen: 0.329 ug/l

RT: 2.538 min Scan# 238

Delta R.T. 0.006 min

Lab File: VX047411.D

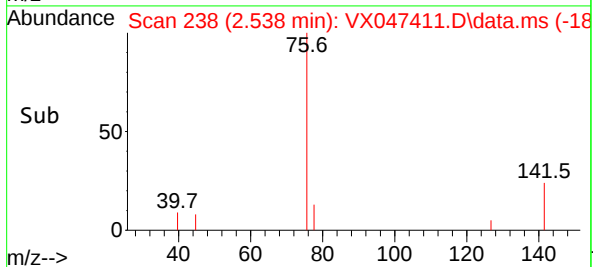
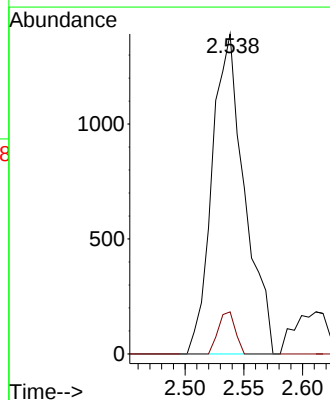
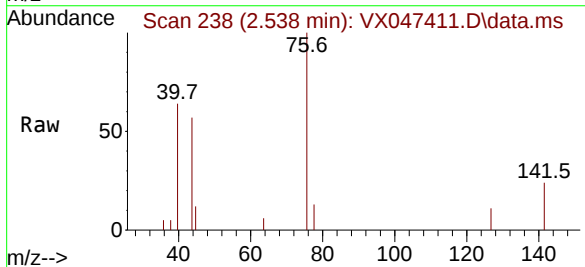
Acq: 19 Aug 2025 14:50

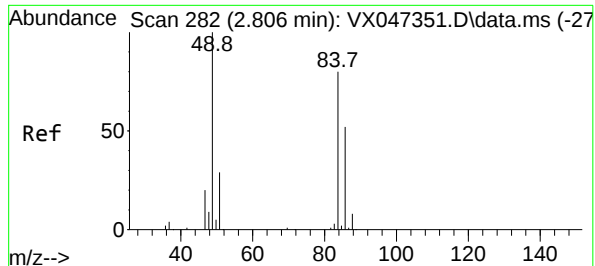
Tgt Ion: 76 Resp: 2678

Ion Ratio Lower Upper

76 100

78 13.1 7.2 10.8#





#20

Methylene Chloride

Concen: 0.300 ug/l

RT: 2.819 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX047411.D

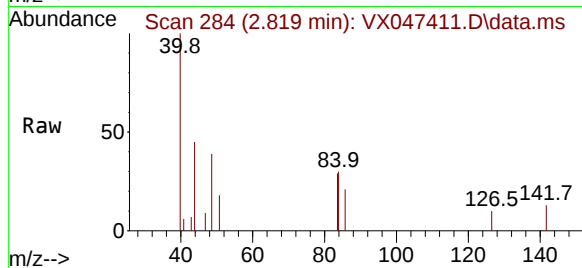
Acq: 19 Aug 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

MW-06-6.5-08122025DL



Tgt Ion: 84 Resp: 895

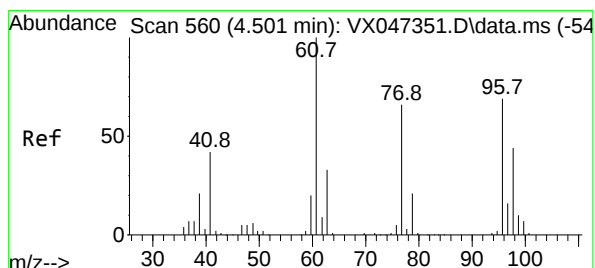
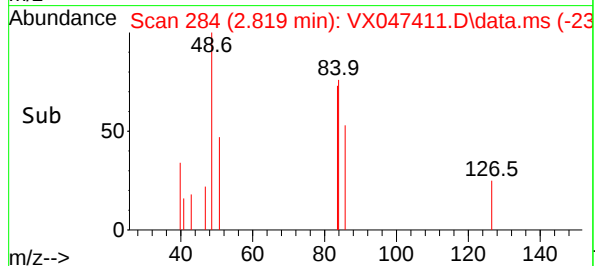
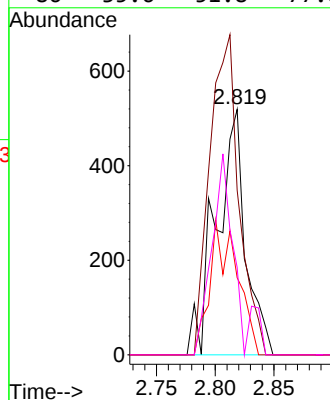
Ion Ratio Lower Upper

84 100

49 67.1 100.1 150.1#

51 31.4 29.5 44.3

86 35.6 51.8 77.8#



#27

cis-1,2-Dichloroethene

Concen: 0.911 ug/l

RT: 4.513 min Scan# 562

Delta R.T. 0.012 min

Lab File: VX047411.D

Acq: 19 Aug 2025 14:50

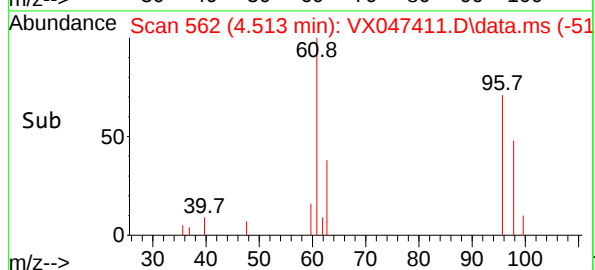
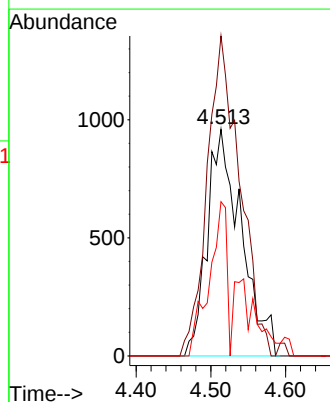
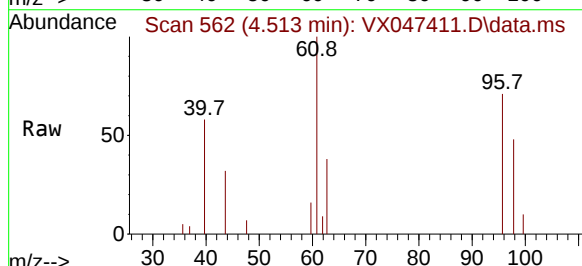
Tgt Ion: 96 Resp: 3036

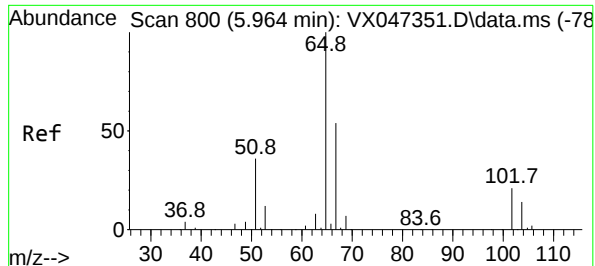
Ion Ratio Lower Upper

96 100

61 135.7 0.0 296.6

98 35.0 0.0 130.4





#33

1,2-Dichloroethane-d4

Concen: 60.200 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047411.D

Acq: 19 Aug 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

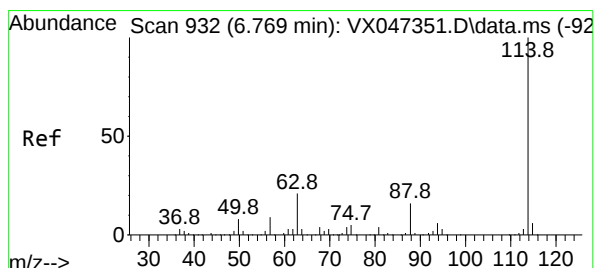
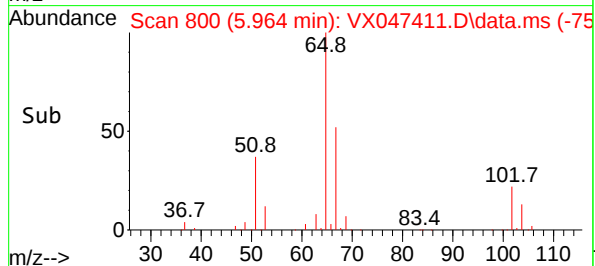
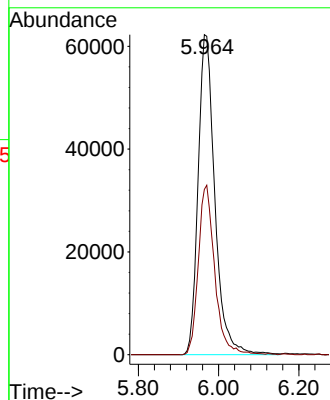
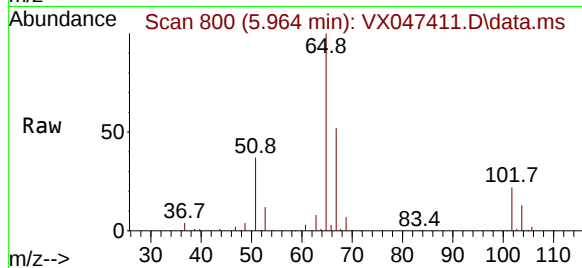
MW-06-6.5-08122025DL

Tgt Ion: 65 Resp: 180305

Ion Ratio Lower Upper

65 100

67 51.9 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047411.D

Acq: 19 Aug 2025 14:50

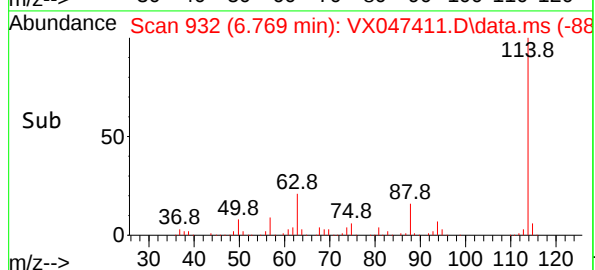
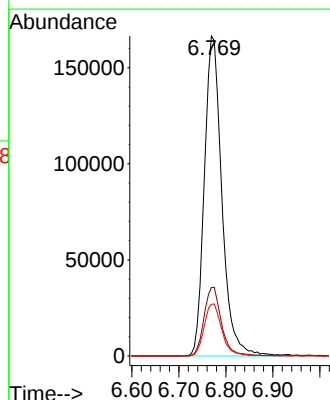
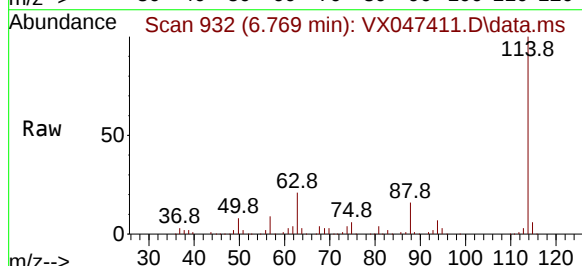
Tgt Ion: 114 Resp: 430805

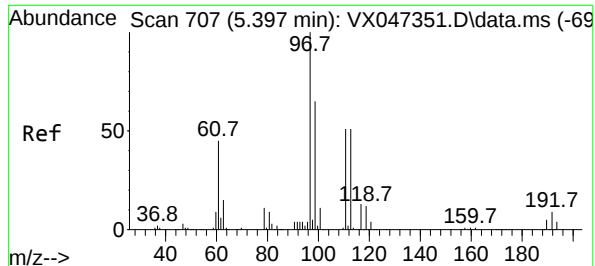
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.297 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047411.D

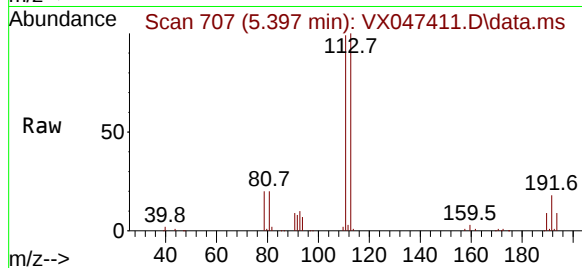
Acq: 19 Aug 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

MW-06-6.5-08122025DL



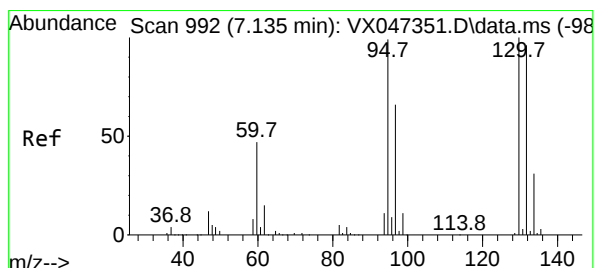
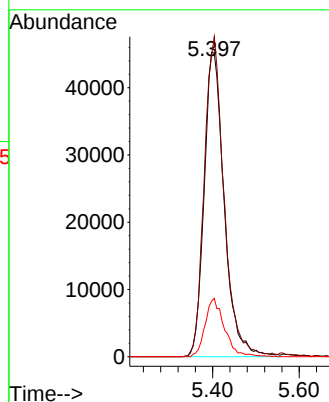
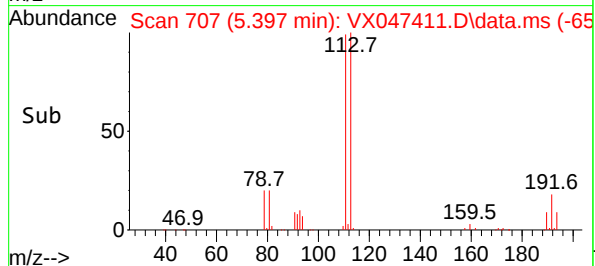
Tgt Ion:113 Resp: 146221

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.2

192 18.4 14.1 21.1



#44

Trichloroethene

Concen: 55.175 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.000 min

Lab File: VX047411.D

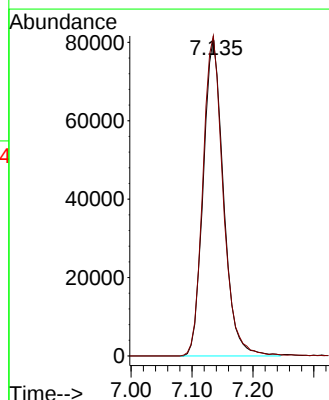
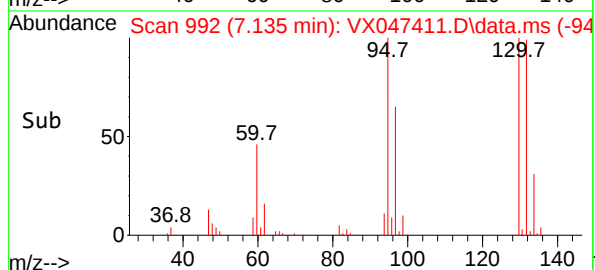
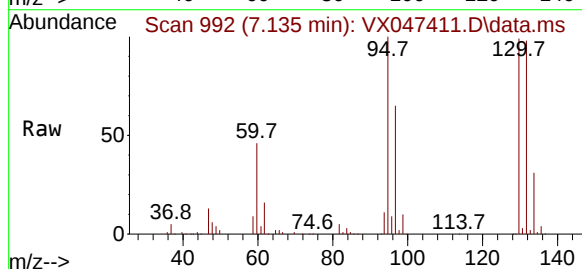
Acq: 19 Aug 2025 14:50

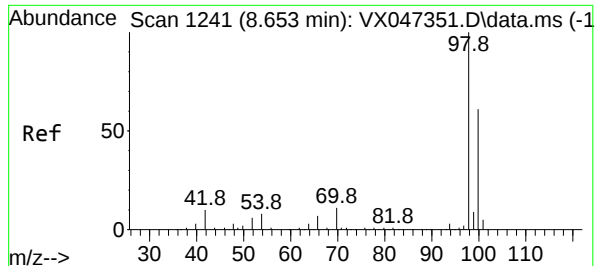
Tgt Ion:130 Resp: 186641

Ion Ratio Lower Upper

130 100

95 100.6 0.0 198.6





#50

Toluene-d8

Concen: 50.589 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047411.D

Acq: 19 Aug 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

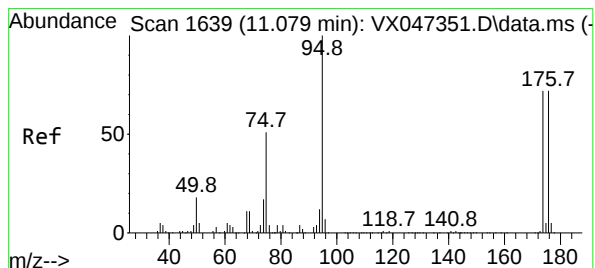
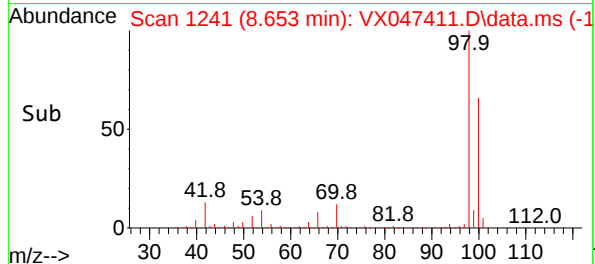
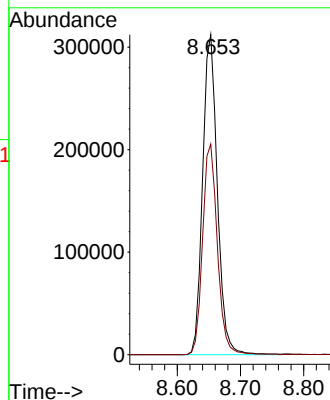
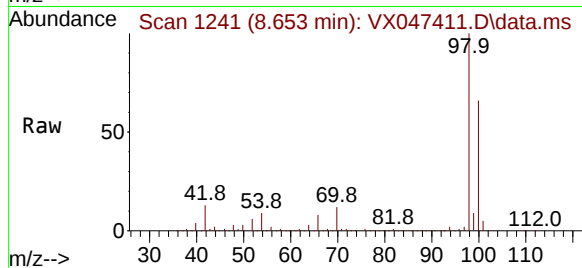
MW-06-6.5-08122025DL

Tgt Ion: 98 Resp: 505562

Ion Ratio Lower Upper

98 100

100 66.1 53.9 80.9



#62

4-Bromofluorobenzene

Concen: 58.032 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047411.D

Acq: 19 Aug 2025 14:50

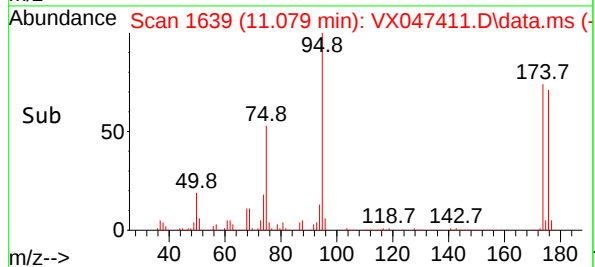
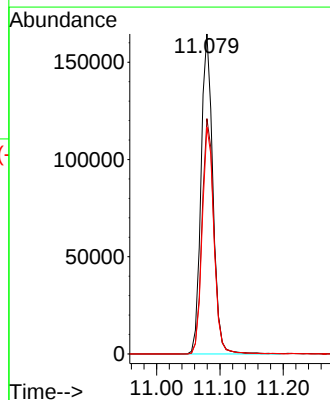
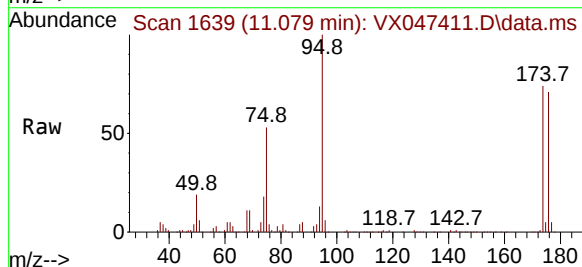
Tgt Ion: 95 Resp: 214011

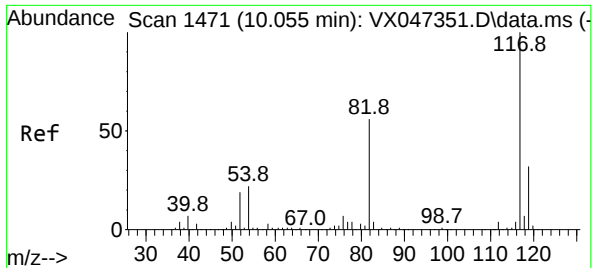
Ion Ratio Lower Upper

95 100

174 74.2 0.0 148.0

176 70.8 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: VX047411.D

Acq: 19 Aug 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

MW-06-6.5-08122025DL

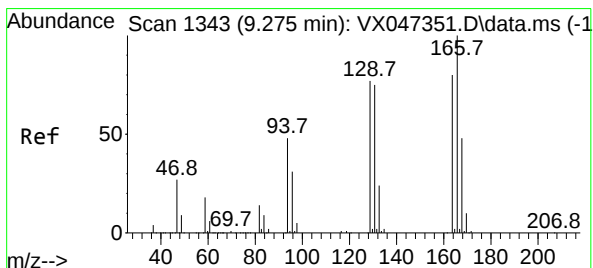
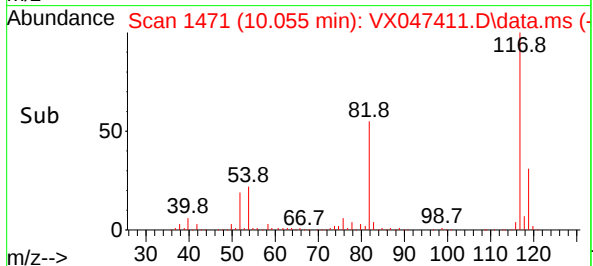
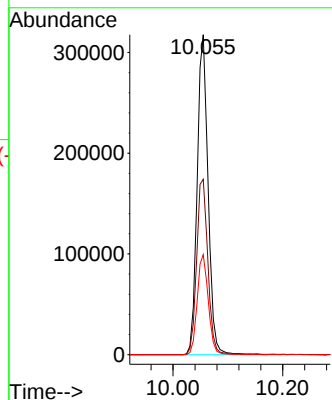
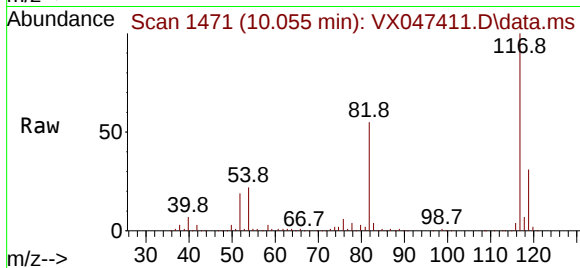
Tgt Ion:117 Resp: 440552

Ion Ratio Lower Upper

117 100

82 54.8 45.0 67.4

119 31.3 25.8 38.8



#64

Tetrachloroethene

Concen: 0.340 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX047411.D

Acq: 19 Aug 2025 14:50

Tgt Ion:164 Resp: 1084

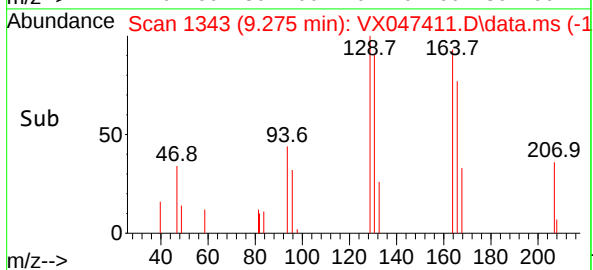
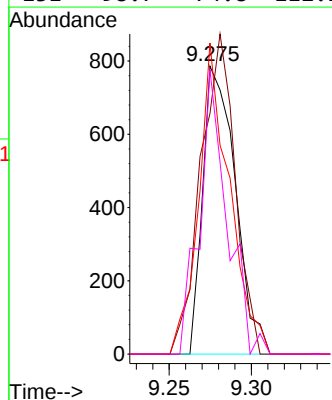
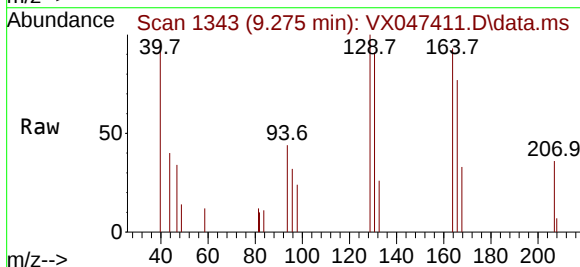
Ion Ratio Lower Upper

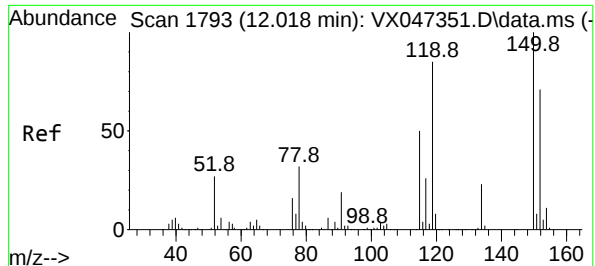
164 100

166 83.6 100.3 150.5#

129 108.0 77.7 116.5

131 98.7 74.8 112.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047411.D

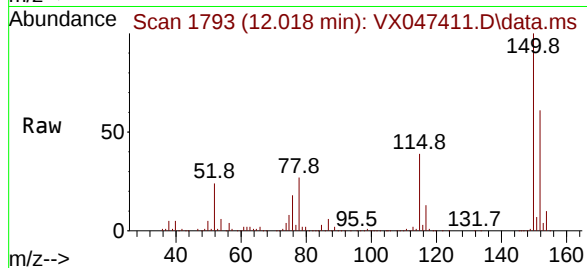
Acq: 19 Aug 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

MW-06-6.5-08122025DL



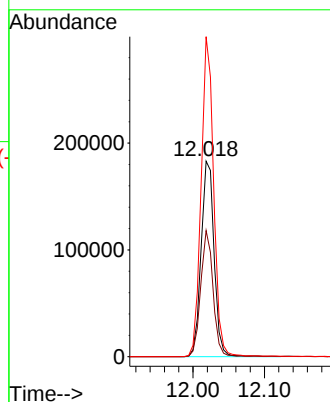
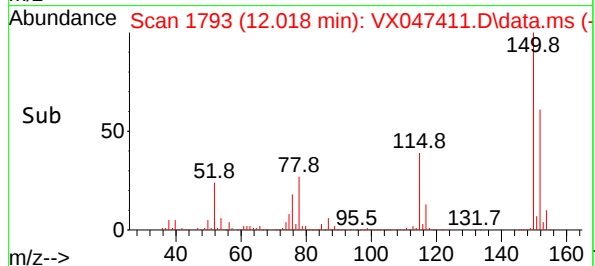
Tgt Ion:152 Resp: 231200

Ion Ratio Lower Upper

152 100

115 61.2 44.6 133.8

150 157.5 0.0 349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047402.D
Acq On : 19 Aug 2025 10:55
Operator : JC/MD
Sample : VX0819WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

A

B

C

D

E

F

G

H

I

J

Quant Time: Aug 19 11:12:22 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	5.562	168	204625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	410508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	416324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	212865	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	163941	57.246	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.500%
35) Dibromofluoromethane	5.391	113	135590	50.893	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.780%
50) Toluene-d8	8.647	98	471489	49.512	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.020%
62) 4-Bromofluorobenzene	11.079	95	197272	56.138	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.280%

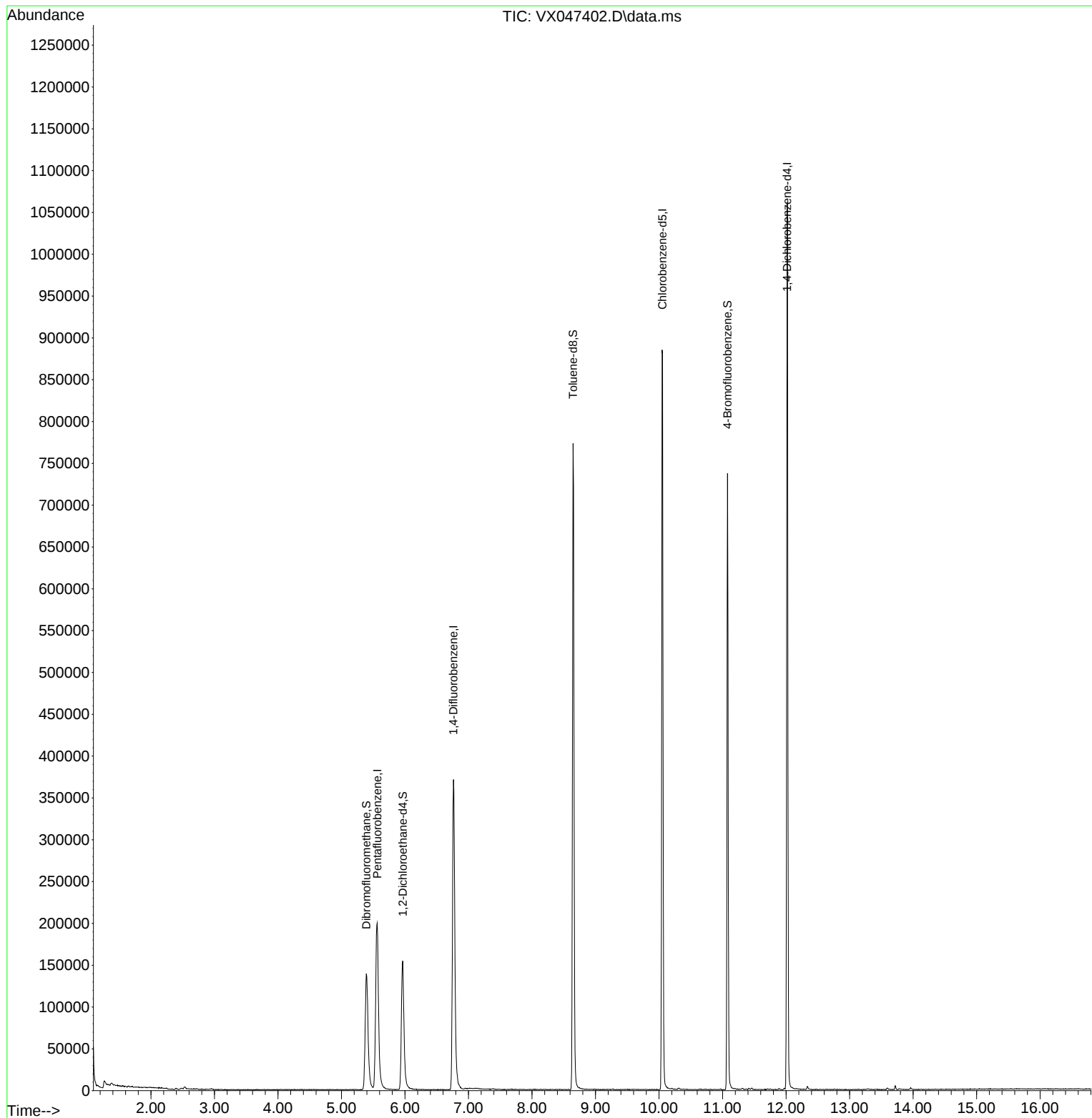
Target Compounds	Qvalue

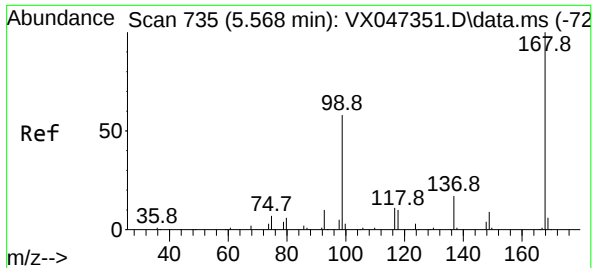
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047402.D
Acq On : 19 Aug 2025 10:55
Operator : JC/MD
Sample : VX0819WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

Quant Time: Aug 19 11:12:22 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

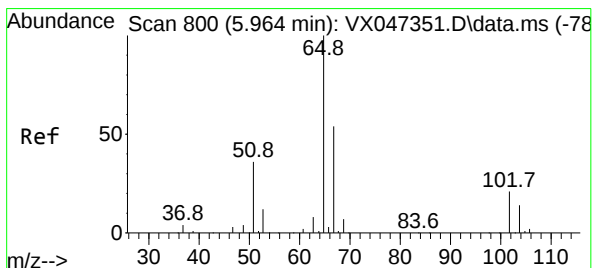
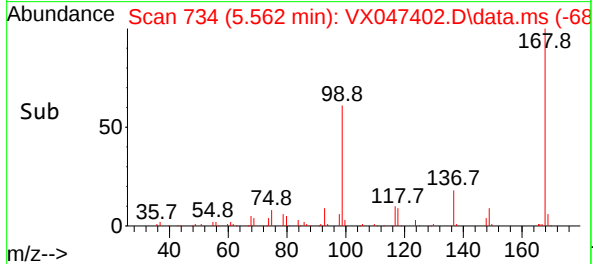
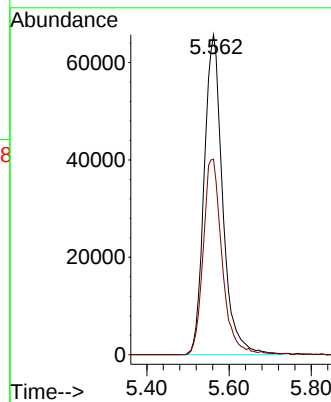
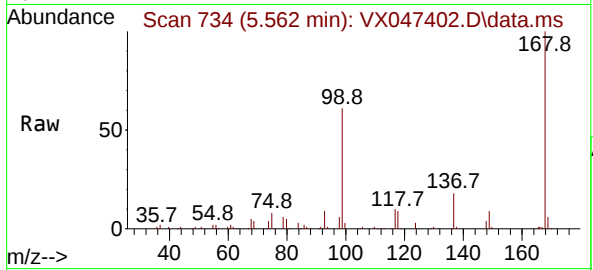




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

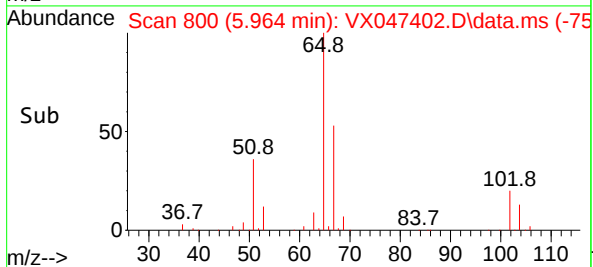
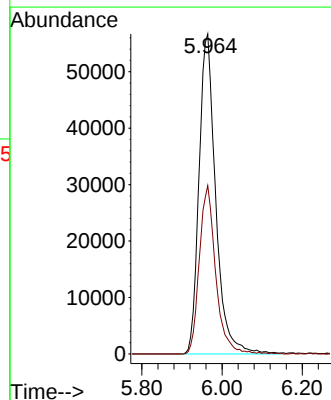
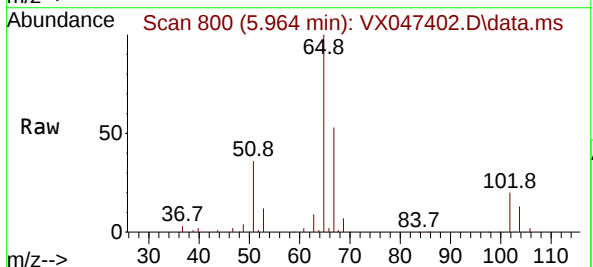
Instrument :
MSVOA_X
ClientSampleId :
VX0819WBL01

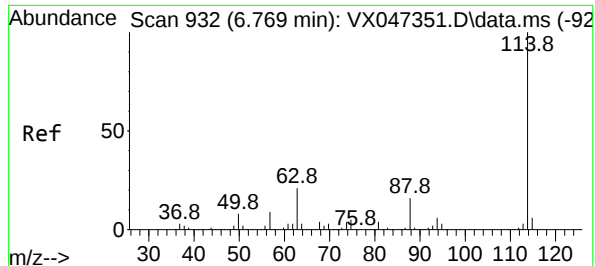
Tgt Ion:168 Resp: 204625
Ion Ratio Lower Upper
168 100
99 61.1 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 57.246 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047402.D
Acq: 19 Aug 2025 10:55

Tgt Ion: 65 Resp: 163941
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX047402.D

Acq: 19 Aug 2025 10:55

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBL01

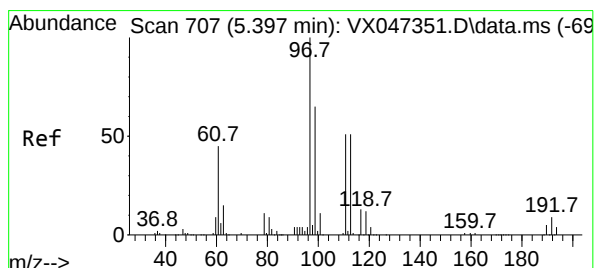
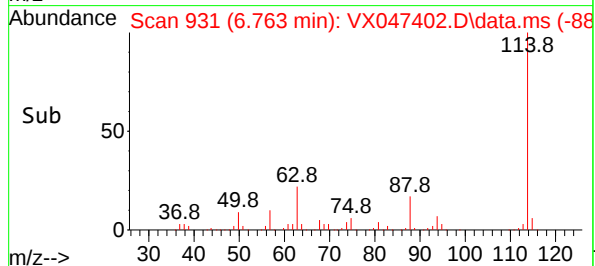
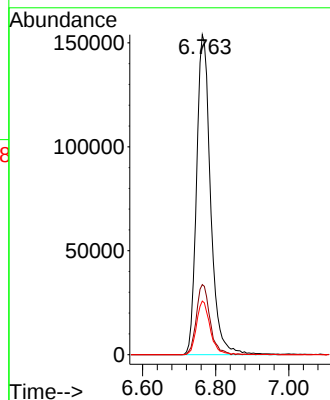
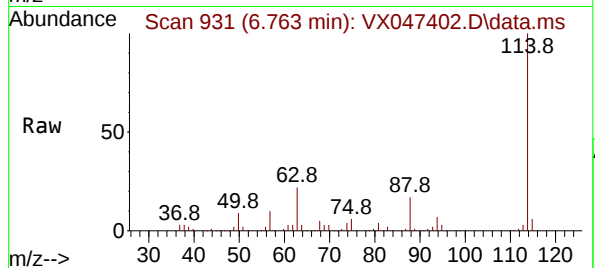
Tgt Ion:114 Resp: 410508

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.4

88 16.7 0.0 33.0



#35

Dibromofluoromethane

Concen: 50.893 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX047402.D

Acq: 19 Aug 2025 10:55

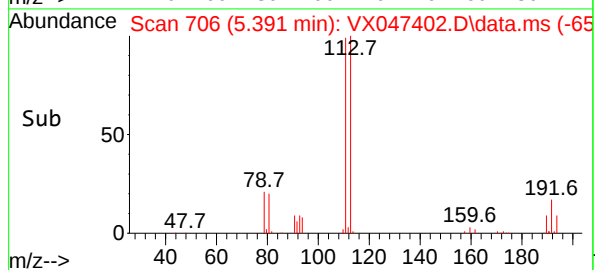
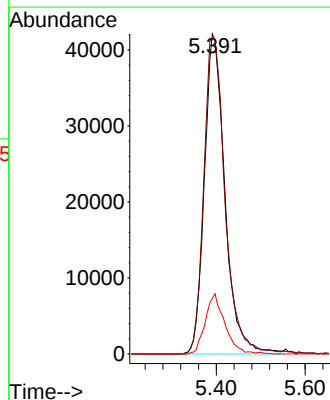
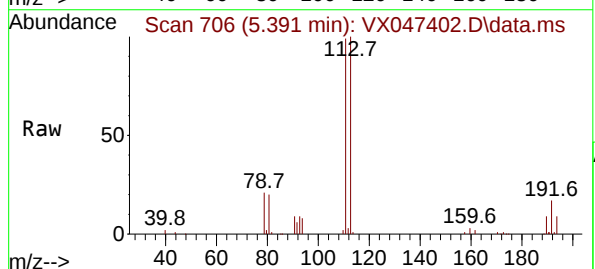
Tgt Ion:113 Resp: 135590

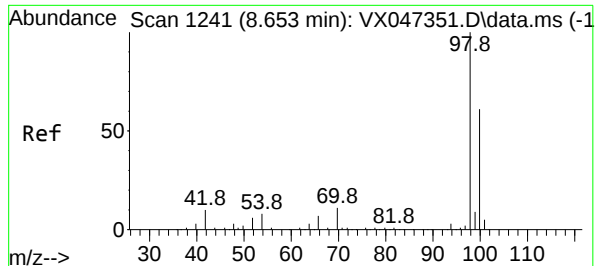
Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.2

192 17.8 14.1 21.1





#50

Toluene-d8

Concen: 49.512 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX047402.D

Acq: 19 Aug 2025 10:55

Instrument :

MSVOA_X

ClientSampleId :

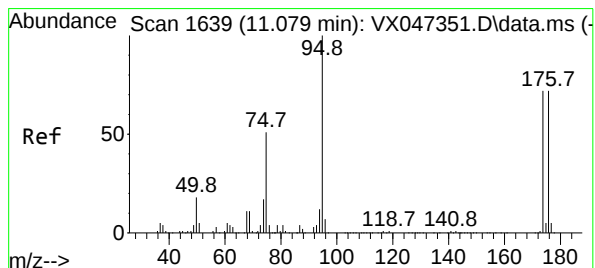
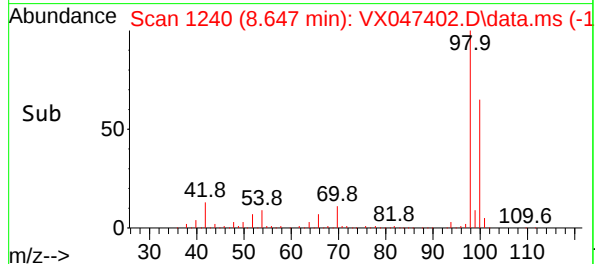
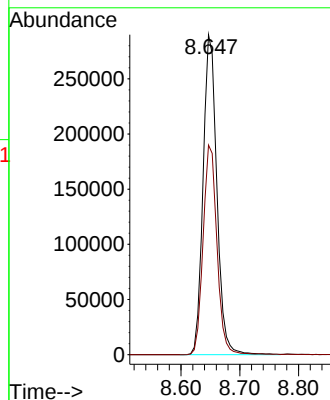
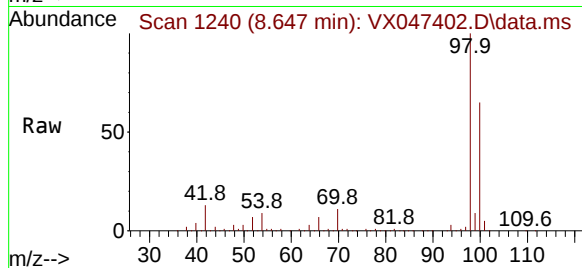
VX0819WBL01

Tgt Ion: 98 Resp: 471489

Ion Ratio Lower Upper

98 100

100 65.8 53.9 80.9



#62

4-Bromofluorobenzene

Concen: 56.138 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047402.D

Acq: 19 Aug 2025 10:55

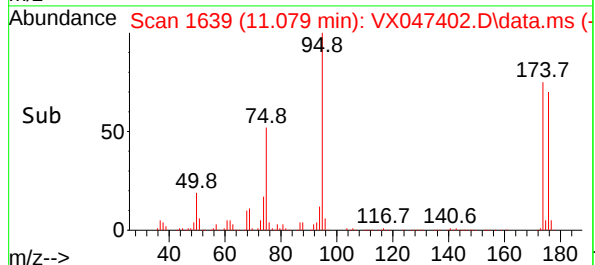
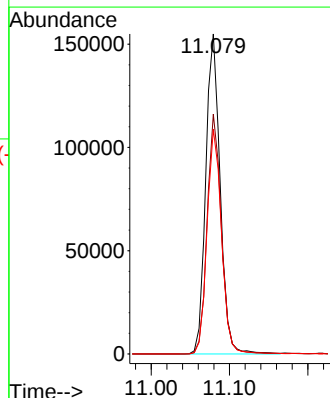
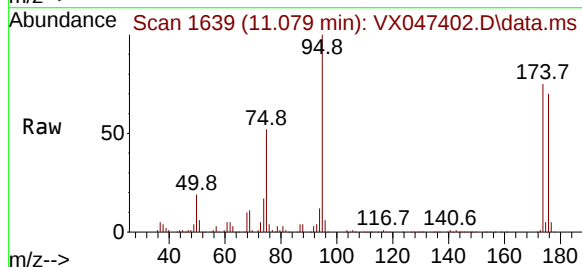
Tgt Ion: 95 Resp: 197272

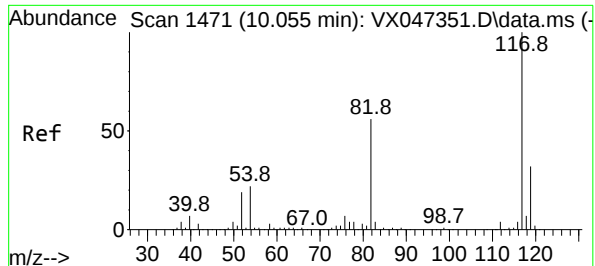
Ion Ratio Lower Upper

95 100

174 74.0 0.0 148.0

176 70.8 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: VX047402.D

Acq: 19 Aug 2025 10:55

Instrument :

MSVOA_X

ClientSampleId :

VX0819WBL01

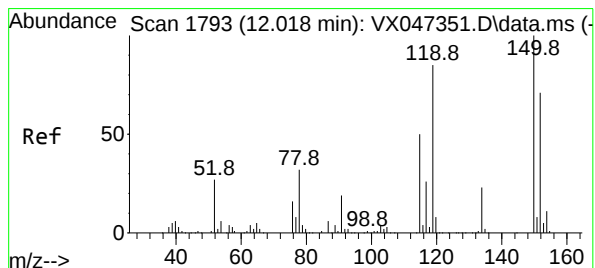
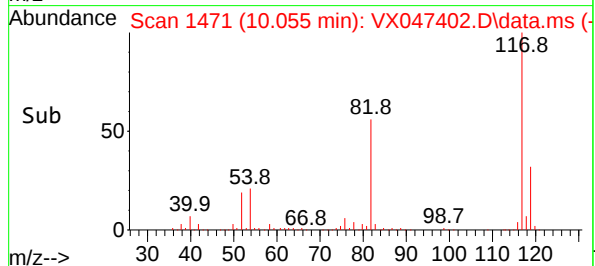
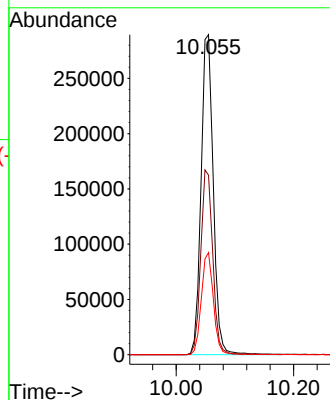
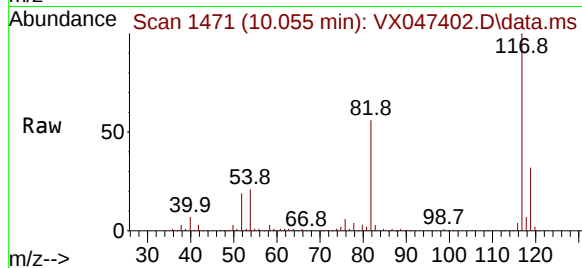
Tgt Ion:117 Resp: 416324

Ion Ratio Lower Upper

117 100

82 56.1 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: VX047402.D

Acq: 19 Aug 2025 10:55

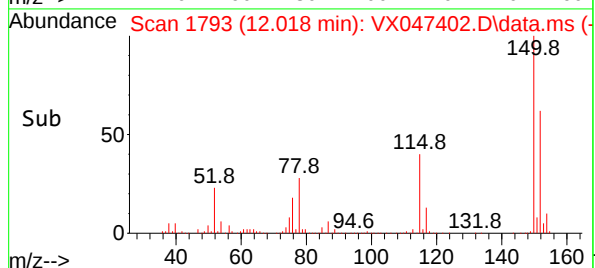
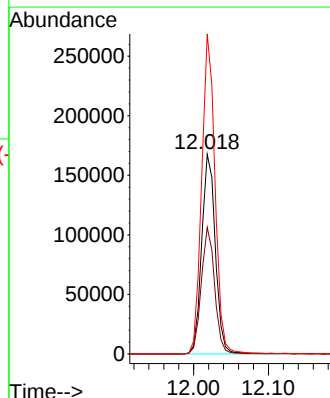
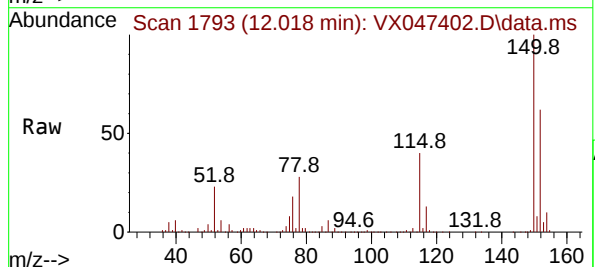
Tgt Ion:152 Resp: 212865

Ion Ratio Lower Upper

152 100

115 61.9 44.6 133.8

150 156.7 0.0 349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047403.D
 Acq On : 19 Aug 2025 11:55
 Operator : JC/MD
 Sample : VX0819WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 12:13:06 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	225610	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	400778	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	370967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	189862	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	171357	54.270	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.540%	
35) Dibromofluoromethane	5.391	113	135576	52.123	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.240%	
50) Toluene-d8	8.647	98	470012	50.555	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.120%	
62) 4-Bromofluorobenzene	11.079	95	181013	52.762	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.520%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	47669	16.575	ug/l	100
3) Chloromethane	1.313	50	44596	17.237	ug/l	98
4) Vinyl Chloride	1.392	62	53957	16.616	ug/l	98
5) Bromomethane	1.630	94	23833	18.170	ug/l	82
6) Chloroethane	1.709	64	34734	17.482	ug/l	98
7) Trichlorofluoromethane	1.904	101	78843	16.414	ug/l	94
8) Diethyl Ether	2.142	74	31787	18.794	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	46101	16.545	ug/l	99
10) Methyl Iodide	2.471	142	67548	14.146	ug/l	98
11) Tert butyl alcohol	2.959	59	27543	100.272	ug/l	99
12) 1,1-Dichloroethene	2.337	96	49153	17.304	ug/l	97
13) Acrolein	2.252	56	49678	85.675	ug/l	98
14) Allyl chloride	2.678	41	88890	18.017	ug/l	98
15) Acrylonitrile	3.081	53	129576	97.623	ug/l	99
16) Acetone	2.386	43	134660	113.461	ug/l	99
17) Carbon Disulfide	2.526	76	140642	16.407	ug/l	100
18) Methyl Acetate	2.715	43	59381	19.307	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	165987	19.208	ug/l	99
20) Methylene Chloride	2.800	84	59628	18.973	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	53480	17.738	ug/l	95
22) Diisopropyl ether	3.770	45	188286	19.306	ug/l	94
23) Vinyl Acetate	3.733	43	775713	97.042	ug/l	98
24) 1,1-Dichloroethane	3.623	63	102305	18.559	ug/l	97
25) 2-Butanone	4.562	43	164408	105.771	ug/l	98
26) 2,2-Dichloropropane	4.483	77	76816	18.463	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	65115	18.543	ug/l	99
28) Bromochloromethane	4.904	49	52508	22.891	ug/l	96
29) Tetrahydrofuran	5.019	42	97079	96.629	ug/l	96
30) Chloroform	5.099	83	106302	18.896	ug/l	97
31) Cyclohexane	5.477	56	84972	16.722	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	86840	17.934	ug/l	98
36) 1,1-Dichloropropene	5.702	75	69481	16.922	ug/l	99
37) Ethyl Acetate	4.715	43	70075	16.439	ug/l	96
38) Carbon Tetrachloride	5.684	117	75969	16.931	ug/l	98
39) Methylcyclohexane	7.385	83	77886	15.207	ug/l	97
40) Benzene	6.044	78	220693	17.957	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047403.D
 Acq On : 19 Aug 2025 11:55
 Operator : JC/MD
 Sample : VX0819WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 12:13:06 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	4.934	41	35045	19.496	ug/l	92
42) 1,2-Dichloroethane	6.092	62	81344	18.686	ug/l	99
43) Isopropyl Acetate	6.348	43	110451	18.037	ug/l	99
44) Trichloroethene	7.129	130	54266	17.244	ug/l	99
45) 1,2-Dichloropropane	7.434	63	56455	18.336	ug/l	98
46) Dibromomethane	7.580	93	41245	18.452	ug/l	98
47) Bromodichloromethane	7.824	83	84911	18.324	ug/l	95
48) Methyl methacrylate	7.696	41	58149	18.294	ug/l	98
49) 1,4-Dioxane	7.690	88	11911	385.469	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	337359	95.733	ug/l	98
52) Toluene	8.720	92	137617	18.121	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	75672	18.711	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	85316	18.637	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	54306	18.834	ug/l	100
56) Ethyl methacrylate	9.116	69	76225	17.930	ug/l	96
57) 1,3-Dichloropropane	9.305	76	94506	19.235	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	194420	100.929	ug/l	98
59) 2-Hexanone	9.433	43	237159	97.292	ug/l	100
60) Dibromochloromethane	9.519	129	64471	18.814	ug/l	100
61) 1,2-Dibromoethane	9.610	107	55618	18.705	ug/l	99
64) Tetrachloroethene	9.269	164	44832	16.708	ug/l	98
65) Chlorobenzene	10.079	112	155025	17.585	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	53110	17.822	ug/l	99
67) Ethyl Benzene	10.189	91	259370	17.094	ug/l	99
68) m/p-Xylenes	10.299	106	198745	35.129	ug/l	100
69) o-Xylene	10.640	106	95777	17.591	ug/l	99
70) Styrene	10.653	104	168799	18.349	ug/l	99
71) Bromoform	10.799	173	40177	17.946	ug/l #	99
73) Isopropylbenzene	10.957	105	247370	16.649	ug/l	100
74) N-amyl acetate	10.842	43	100954	17.893	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	78682	18.037	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	57347m	16.468	ug/l	
77) Bromobenzene	11.195	156	63986	17.636	ug/l	98
78) n-propylbenzene	11.299	91	295566	16.657	ug/l	100
79) 2-Chlorotoluene	11.360	91	182492	17.013	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	206597	16.900	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10138	18.529	ug/l	97
82) 4-Chlorotoluene	11.451	91	216373	17.112	ug/l	100
83) tert-Butylbenzene	11.713	119	203328	16.671	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	214157	17.518	ug/l	100
85) sec-Butylbenzene	11.890	105	254977	16.867	ug/l	100
86) p-Isopropyltoluene	12.006	119	214549	16.772	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	118907	17.156	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	122086	17.126	ug/l	99
89) n-Butylbenzene	12.329	91	197431	16.594	ug/l	99
90) Hexachloroethane	12.536	117	35860	15.980	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	115308	17.527	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14165	16.791	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	73210	16.600	ug/l	99
94) Hexachlorobutadiene	13.719	225	25313	16.124	ug/l	98
95) Naphthalene	13.774	128	217150	17.229	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	71038	17.088	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047403.D
Acq On : 19 Aug 2025 11:55
Operator : JC/MD
Sample : VX0819WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 19 12:13:06 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

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

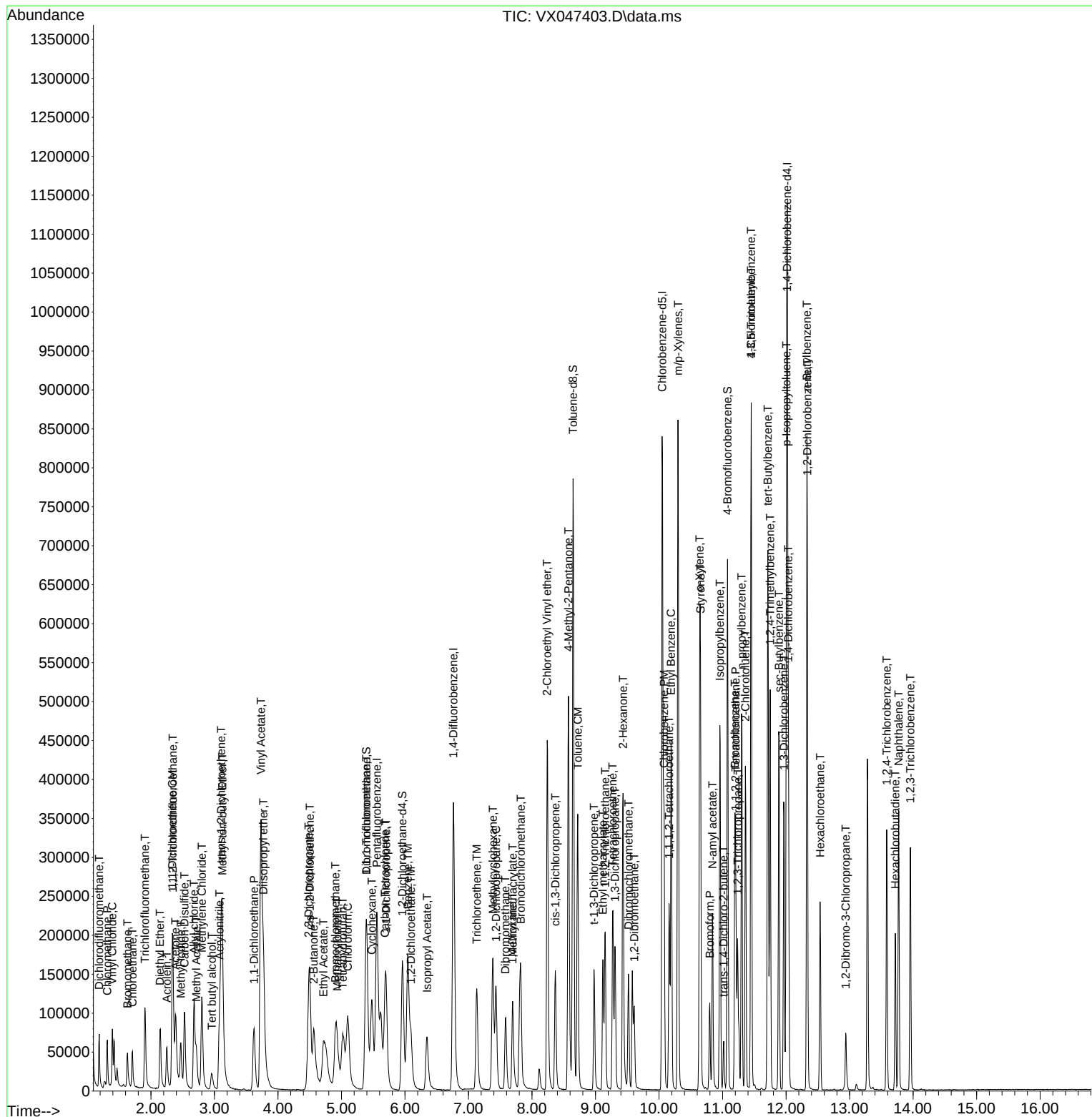
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047405.D
 Acq On : 19 Aug 2025 12:37
 Operator : JC/MD
 Sample : VX0819WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 12:54:23 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	228746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	395063	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	371284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	189413	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.964	65	173401	54.165	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.320%	
35) Dibromofluoromethane	5.397	113	133228	51.961	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.920%	
50) Toluene-d8	8.653	98	464961	50.736	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	11.079	95	181529	53.678	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.360%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	48167	16.518	ug/l	99
3) Chloromethane	1.313	50	47416	18.076	ug/l	95
4) Vinyl Chloride	1.392	62	54098	16.431	ug/l #	64
5) Bromomethane	1.630	94	18415	13.847	ug/l	98
6) Chloroethane	1.709	64	40053	19.883	ug/l	99
7) Trichlorofluoromethane	1.904	101	79190	16.260	ug/l	94
8) Diethyl Ether	2.148	74	31587	18.420	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	47865	16.943	ug/l	100
10) Methyl Iodide	2.471	142	60898	12.579	ug/l	96
11) Tert butyl alcohol	2.965	59	30718	110.297	ug/l	98
12) 1,1-Dichloroethene	2.337	96	47603	16.528	ug/l	95
13) Acrolein	2.251	56	49016	83.374	ug/l	99
14) Allyl chloride	2.678	41	86456	17.283	ug/l	99
15) Acrylonitrile	3.081	53	131580	97.773	ug/l	98
16) Acetone	2.392	43	118674	98.621	ug/l	96
17) Carbon Disulfide	2.532	76	143093	16.465	ug/l	99
18) Methyl Acetate	2.715	43	63853	20.477	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	165202	18.855	ug/l	95
20) Methylene Chloride	2.806	84	58414	18.332	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	52164	17.065	ug/l	95
22) Diisopropyl ether	3.776	45	185604	18.771	ug/l	97
23) Vinyl Acetate	3.739	43	769207	94.909	ug/l	99
24) 1,1-Dichloroethane	3.629	63	100080	17.907	ug/l	97
25) 2-Butanone	4.568	43	160156	101.623	ug/l	99
26) 2,2-Dichloropropane	4.495	77	72356	17.153	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	63332	17.788	ug/l	100
28) Bromochloromethane	4.916	49	50702	21.801	ug/l	98
29) Tetrahydrofuran	5.025	42	102951	101.069	ug/l	98
30) Chloroform	5.105	83	104850	18.382	ug/l	97
31) Cyclohexane	5.483	56	81758	15.869	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	86106	17.538	ug/l	99
36) 1,1-Dichloropropene	5.708	75	66551	16.443	ug/l	98
37) Ethyl Acetate	4.727	43	75546	17.979	ug/l	98
38) Carbon Tetrachloride	5.690	117	75099	16.979	ug/l	98
39) Methylcyclohexane	7.385	83	80376	15.920	ug/l	96
40) Benzene	6.050	78	213254	17.603	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047405.D
 Acq On : 19 Aug 2025 12:37
 Operator : JC/MD
 Sample : VX0819WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0819WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 12:54:23 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	4.946	41	33732	19.037	ug/l	98
42) 1,2-Dichloroethane	6.098	62	81377	18.964	ug/l	99
43) Isopropyl Acetate	6.348	43	116749	19.341	ug/l	99
44) Trichloroethene	7.135	130	53112	17.122	ug/l	99
45) 1,2-Dichloropropane	7.433	63	55453	18.271	ug/l	99
46) Dibromomethane	7.586	93	41218	18.707	ug/l	98
47) Bromodichloromethane	7.824	83	82785	18.123	ug/l	96
48) Methyl methacrylate	7.696	41	59306	18.928	ug/l	98
49) 1,4-Dioxane	7.683	88	12842	421.610	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	351322	101.138	ug/l	98
52) Toluene	8.720	92	135282	18.071	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	74320	18.642	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	82154	18.206	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	54565	19.197	ug/l	98
56) Ethyl methacrylate	9.116	69	80828	19.288	ug/l	98
57) 1,3-Dichloropropane	9.311	76	92722	19.145	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	190782	100.511	ug/l	100
59) 2-Hexanone	9.433	43	241137	100.355	ug/l	97
60) Dibromochloromethane	9.518	129	62976	18.644	ug/l	99
61) 1,2-Dibromoethane	9.610	107	56725	19.354	ug/l	96
64) Tetrachloroethene	9.275	164	44006	16.386	ug/l	98
65) Chlorobenzene	10.079	112	150949	17.108	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	51594	17.298	ug/l	99
67) Ethyl Benzene	10.195	91	255830	16.847	ug/l	100
68) m/p-Xylenes	10.299	106	194493	34.348	ug/l	98
69) o-Xylene	10.640	106	92973	17.062	ug/l	100
70) Styrene	10.652	104	162232	17.620	ug/l	100
71) Bromoform	10.799	173	40831	18.222	ug/l #	98
73) Isopropylbenzene	10.963	105	244270	16.480	ug/l	99
74) N-amyl acetate	10.841	43	100184	17.799	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	79781	18.332	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	59679m	17.179	ug/l	
77) Bromobenzene	11.195	156	63251	17.475	ug/l	97
78) n-propylbenzene	11.305	91	293555	16.583	ug/l	100
79) 2-Chlorotoluene	11.360	91	179419	16.766	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	206343	16.919	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9694	18.086	ug/l	93
82) 4-Chlorotoluene	11.451	91	212416	16.839	ug/l	100
83) tert-Butylbenzene	11.713	119	203047	16.688	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	208526	17.098	ug/l	99
85) sec-Butylbenzene	11.890	105	251738	16.692	ug/l	100
86) p-Isopropyltoluene	12.006	119	213521	16.732	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	118575	17.148	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	118652	16.684	ug/l	98
89) n-Butylbenzene	12.329	91	197278	16.620	ug/l	100
90) Hexachloroethane	12.536	117	36224	16.180	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	113288	17.261	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14730	17.502	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	72411	16.457	ug/l	99
94) Hexachlorobutadiene	13.719	225	25996	16.599	ug/l	97
95) Naphthalene	13.774	128	219869	17.486	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	71446	17.227	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047405.D
Acq On : 19 Aug 2025 12:37
Operator : JC/MD
Sample : VX0819WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 19 12:54:23 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

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

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

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

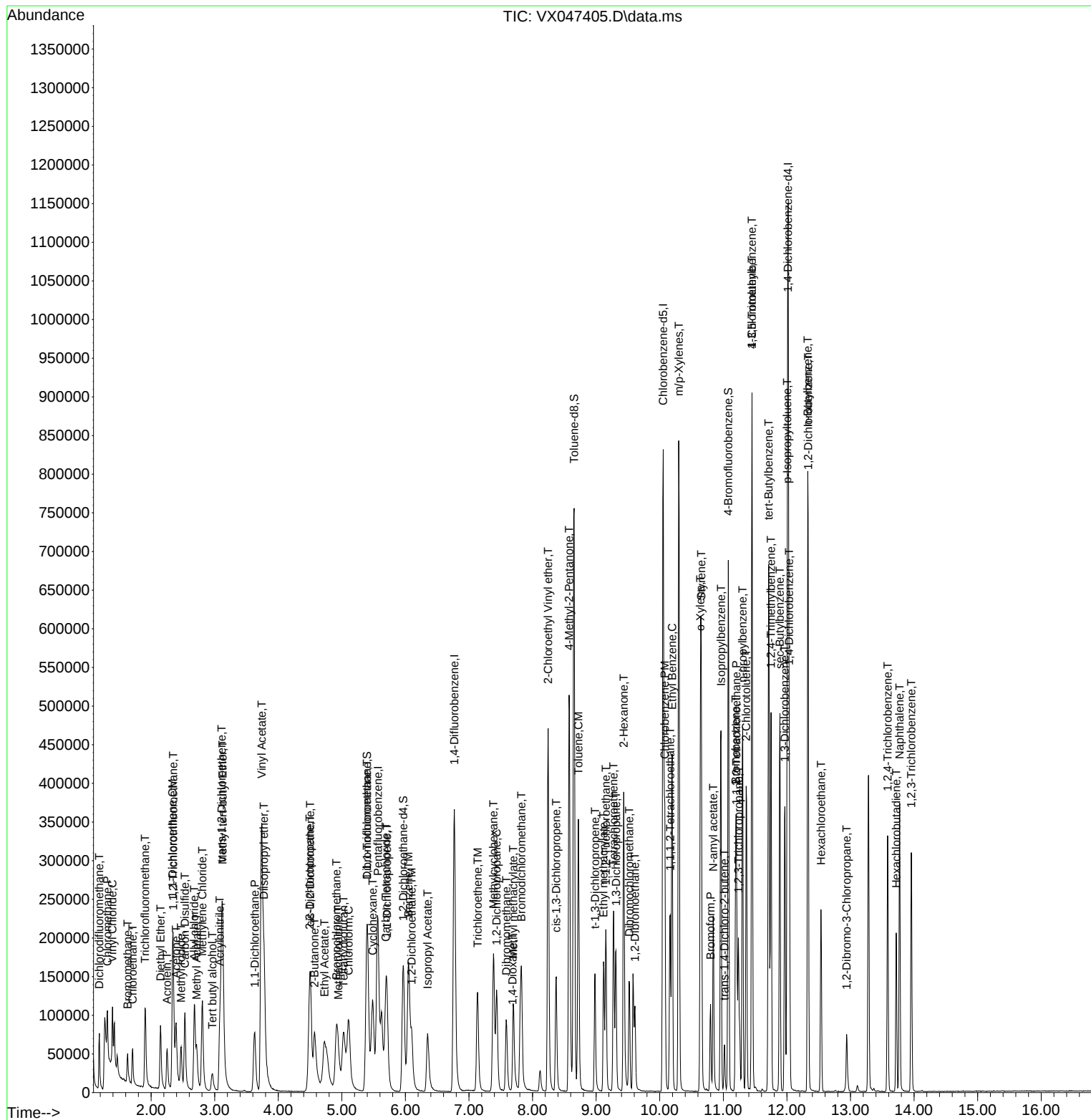
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
Data File : VX047405.D
Acq On : 19 Aug 2025 12:37
Operator : JC/MD
Sample : VX0819WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0819WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 12:54:23 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
-----------	----------	------------	---------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	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
VSTDICC005	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
VSTDICC005	VX047349.D	Tetrahydrofuran	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC020	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
VSTDICC020	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
VSTDICC100	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
VSTDICC150	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
VSTDICC001	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
VSTDICC001	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
VSTDICC001	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
VSTDICC001	VX047356.D	Allyl chloride	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	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
-----------	----------	------------	---------

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:

VX081925

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047400.D	1,2,3-Trichloropropane	JOHN	8/20/2025 8:36:13 AM	MMDadoda	8/20/2025 8:57:32 AM	Peak Integrated by Software
VX0819WBS01	VX047403.D	1,2,3-Trichloropropane	JOHN	8/20/2025 8:36:18 AM	MMDadoda	8/20/2025 8:57:35 AM	Peak Integrated by Software
VX0819WBSD0 1	VX047405.D	1,2,3-Trichloropropane	JOHN	8/20/2025 8:36:23 AM	MMDadoda	8/20/2025 8:57:36 AM	Peak Integrated by Software
VSTDCCC050	VX047425.D	1,2,3-Trichloropropane	JOHN	8/20/2025 8:36:41 AM	MMDadoda	8/20/2025 8:57:39 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 # VX081925

Review By	John Carlone	Review On	8/20/2025 8:46:25 AM
Supervise By	Maresh Dadoda	Supervise On	8/20/2025 8:58:28 AM
SubDirectory	VX081925	HP Acquire Method	HP Processing Method 82X081525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135170		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135171,VP135172		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047399.D	19 Aug 2025 08:38	JC/MD	Ok
2	VSTDCCC050	VX047400.D	19 Aug 2025 09:37	JC/MD	Ok,M
3	VX0819MBL01	VX047401.D	19 Aug 2025 10:05	JC/MD	Ok
4	VX0819WBL01	VX047402.D	19 Aug 2025 10:55	JC/MD	Ok
5	VX0819WBS01	VX047403.D	19 Aug 2025 11:55	JC/MD	Ok,M
6	Q2815-11	VX047404.D	19 Aug 2025 12:16	JC/MD	Ok
7	VX0819WBSD01	VX047405.D	19 Aug 2025 12:37	JC/MD	Ok,M
8	Q2815-12	VX047406.D	19 Aug 2025 12:59	JC/MD	Ok
9	Q2815-16RE	VX047407.D	19 Aug 2025 13:20	JC/MD	Confirms
10	Q2815-24	VX047408.D	19 Aug 2025 13:41	JC/MD	Ok
11	Q2815-26	VX047409.D	19 Aug 2025 14:07	JC/MD	ReRun
12	Q2841-01	VX047410.D	19 Aug 2025 14:29	JC/MD	Ok
13	Q2841-01DL	VX047411.D	19 Aug 2025 14:50	JC/MD	Ok
14	Q2815-20	VX047412.D	19 Aug 2025 15:11	JC/MD	Ok
15	Q2815-21	VX047413.D	19 Aug 2025 15:32	JC/MD	ReRun
16	Q2815-22	VX047414.D	19 Aug 2025 15:53	JC/MD	ReRun
17	Q2815-23	VX047415.D	19 Aug 2025 16:14	JC/MD	Ok
18	Q2869-07	VX047416.D	19 Aug 2025 16:36	JC/MD	Ok
19	Q2869-10	VX047417.D	19 Aug 2025 16:57	JC/MD	Ok
20	Q2869-11	VX047418.D	19 Aug 2025 17:18	JC/MD	Ok
21	Q2815-18	VX047419.D	19 Aug 2025 17:39	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX081925

Review By	John Carlone	Review On	8/20/2025 8:46:25 AM
Supervise By	Maresh Dadoda	Supervise On	8/20/2025 8:58:28 AM
SubDirectory	VX081925	HP Acquire Method	HP Processing Method 82X081525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135170		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135171,VP135172		

22	Q2815-19	VX047420.D	19 Aug 2025 18:00	JC/MD	Ok
23	Q2869-01	VX047421.D	19 Aug 2025 18:22	JC/MD	Ok
24	VX0819MBS01	VX047422.D	19 Aug 2025 18:43	JC/MD	Ok,M
25	Q2844-09DL	VX047423.D	19 Aug 2025 19:04	JC/MD	Ok
26	Q2884-03DL	VX047424.D	19 Aug 2025 19:25	JC/MD	Ok
27	VSTDCCC050	VX047425.D	19 Aug 2025 19:47	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	VSTDICC001	VSTDICC001	VX047348.D	15 Aug 2025 09:18	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX047349.D	15 Aug 2025 09:40	LR-58,81	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047350.D	15 Aug 2025 10:01		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047351.D	15 Aug 2025 10:22		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047352.D	15 Aug 2025 10:43		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	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	VSTDICC001	VSTDICC001	VX047355.D	15 Aug 2025 12:08	Not used	JC/MD	Not Ok
10	VSTDICC001	VSTDICC001	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-SAL	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 # VX081925

Review By	John Carlone	Review On	8/20/2025 8:46:25 AM
Supervise By	Maresh Dadoda	Supervise On	8/20/2025 8:58:28 AM
SubDirectory	VX081925	HP Acquire Method	HP Processing Method 82X081525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135170		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135171,VP135172		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047399.D	19 Aug 2025 08:38		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047400.D	19 Aug 2025 09:37	pH#Lot#V12668	JC/MD	Ok,M
3	VX0819MBL01	VX0819MBL01	VX047401.D	19 Aug 2025 10:05		JC/MD	Ok
4	VX0819WBL01	VX0819WBL01	VX047402.D	19 Aug 2025 10:55		JC/MD	Ok
5	VX0819WBS01	VX0819WBS01	VX047403.D	19 Aug 2025 11:55		JC/MD	Ok,M
6	Q2815-11	TW-22M-W	VX047404.D	19 Aug 2025 12:16	vial B pH<2	JC/MD	Ok
7	VX0819WBSD01	VX0819WBSD01	VX047405.D	19 Aug 2025 12:37		JC/MD	Ok,M
8	Q2815-12	TW-22M-S	VX047406.D	19 Aug 2025 12:59	vial B pH<2	JC/MD	Ok
9	Q2815-16RE	TW-17M-SRE	VX047407.D	19 Aug 2025 13:20	vial B pH<2 Surrogate Fail	JC/MD	Confirms
10	Q2815-24	TB	VX047408.D	19 Aug 2025 13:41	vial A pH<2 TB	JC/MD	Ok
11	Q2815-26	FB	VX047409.D	19 Aug 2025 14:07	vial A pH<2 FB;Surrogate Fail	JC/MD	ReRun
12	Q2841-01	MW-06-6.5-08122025	VX047410.D	19 Aug 2025 14:29	vial A pH<2	JC/MD	Ok
13	Q2841-01DL	MW-06-6.5-08122025D	VX047411.D	19 Aug 2025 14:50		JC/MD	Ok
14	Q2815-20	TW-11M-W	VX047412.D	19 Aug 2025 15:11	vial A pH<2	JC/MD	Ok
15	Q2815-21	TW-11M-E	VX047413.D	19 Aug 2025 15:32	vial A pH<2 Surrogate Fail	JC/MD	ReRun
16	Q2815-22	TW-11M-S	VX047414.D	19 Aug 2025 15:53	vial A pH<2 Surrogate Fail	JC/MD	ReRun
17	Q2815-23	TW-11M-N	VX047415.D	19 Aug 2025 16:14	vial A pH<2	JC/MD	Ok
18	Q2869-07	EB01-081325	VX047416.D	19 Aug 2025 16:36	vial A pH<2 EB	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX081925

Review By	John Carlone	Review On	8/20/2025 8:46:25 AM
Supervise By	Maresh Dadoda	Supervise On	8/20/2025 8:58:28 AM
SubDirectory	VX081925	HP Acquire Method	HP Processing Method 82X081525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135170		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135171,VP135172		

19	Q2869-10	EB02-081325	VX047417.D	19 Aug 2025 16:57	vial A pH<2 EB	JC/MD	Ok
20	Q2869-11	TB01-081325	VX047418.D	19 Aug 2025 17:18	vial A pH<2 TB	JC/MD	Ok
21	Q2815-18	TW-84SB-W	VX047419.D	19 Aug 2025 17:39	vial A pH<2	JC/MD	Ok
22	Q2815-19	DUP	VX047420.D	19 Aug 2025 18:00	vial A pH<2	JC/MD	Ok
23	Q2869-01	MW-19B-71.5-081325	VX047421.D	19 Aug 2025 18:22	vial A pH<2	JC/MD	Ok
24	VX0819MBS01	VX0819MBS01	VX047422.D	19 Aug 2025 18:43		JC/MD	Ok,M
25	Q2844-09DL	MOO-25-0226DL	VX047423.D	19 Aug 2025 19:04		JC/MD	Ok
26	Q2884-03DL	302DL	VX047424.D	19 Aug 2025 19:25		JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX047425.D	19 Aug 2025 19:47		JC/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q2841	OrderDate:	8/13/2025 8:15:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger Site Princeton NJ 2025
Contact:	Mary I. Murphy	Location:	D31,VOA Lab,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2841-01	MW-06-6.5-08122025	Water	VOCMS Group3	8260-Low	08/12/25		08/19/25	08/12/25
Q2841-01DL	MW-06-6.5-08122025 DL	Water	VOCMS Group3	8260-Low	08/12/25		08/19/25	08/12/25