



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

Hit Summary Sheet
SW-846

SDG No.: Q3835
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	OWBR-01-170-121025-SIM							
Q3835-03	OWBR-01-170-121	Water	Vinyl chloride	0.030		0.020	0.020	ug/L
			Total Voc :	0.030				
			Total Concentration:	0.030				



SAMPLE DATA

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: OWBR-01-170-121025-SIM
 Lab Sample ID: Q3835-03
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/10/25
 Date Received: 12/10/25
 SDG No.: Q3835
 Matrix: Water
 % Solid: 0
 Test: VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.030		1	0.020	0.020	ug/L	12/11/25 12:54	VV121125
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.46			40 - 130	91.8%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.38			70 - 130	75.4%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.37			60 - 140	73.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.42			70 - 130	84.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.48			65 - 120	95.2%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	6540							
540-36-3	1,4-Difluorobenzene	7260							
3855-82-1	1,4-Dichlorobenzene-d4	3580							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: TB01-121025
 Lab Sample ID: Q3835-06
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/10/25
 Date Received: 12/10/25
 SDG No.: Q3835
 Matrix: Water
 % Solid: 0
 Test: VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/11/25 13:15	VV121125
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.52			40 - 130	104%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.46			70 - 130	91.4%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.42			60 - 140	83%	SPK: 0.5		
2037-26-5	Toluene-d8	0.46			70 - 130	91%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.54			65 - 120	108%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	6200							
540-36-3	1,4-Difluorobenzene	6330							
3855-82-1	1,4-Dichlorobenzene-d4	3240							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VHBLK001
 Lab Sample ID: Q3835-07
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/10/25
 Date Received: 12/10/25
 SDG No.: Q3835
 Matrix: Water
 % Solid: 0
 Test: VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/11/25 15:29	VV121125
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.53			40 - 130	105.6%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.43			70 - 130	86%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.41			60 - 140	81%	SPK: 0.5		
2037-26-5	Toluene-d8	0.45			70 - 130	90%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.52			65 - 120	103.4%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	5920							
540-36-3	1,4-Difluorobenzene	6200							
3855-82-1	1,4-Dichlorobenzene-d4	3050							

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.: Q3835

Client: JACOBS Engineering Group, Inc.

Analytical Method: SWSFAM_VOCSIM

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3835-03	OWBR-01-170-121025-SIM	Vinyl chloride-d3	0.5	0.46	92		40	130
		1,2-Dichloroethane-d4	0.5	0.38	75		70	130
		1,2-Dichloropropane-d6	0.5	0.37	73		60	140
		Toluene-d8	0.5	0.42	85		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.48	95		65	120
Q3835-06	TB01-121025	Vinyl chloride-d3	0.5	0.52	104		40	130
		1,2-Dichloroethane-d4	0.5	0.46	91		70	130
		1,2-Dichloropropane-d6	0.5	0.42	83		60	140
		Toluene-d8	0.5	0.46	91		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.54	108		65	120
Q3835-07	VHBLK001	Vinyl chloride-d3	0.5	0.53	106		40	130
		1,2-Dichloroethane-d4	0.5	0.43	86		70	130
		1,2-Dichloropropane-d6	0.5	0.41	81		60	140
		Toluene-d8	0.5	0.45	90		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.52	103		65	120
VV1211WBL01	VBLK240	Vinyl chloride-d3	0.5	0.61	122		40	130
		1,2-Dichloroethane-d4	0.5	0.50	100		70	130
		1,2-Dichloropropane-d6	0.5	0.47	94		60	140
		Toluene-d8	0.5	0.52	104		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.59	118		65	120

VOLATILE METHOD BLANK SUMMARY

Client ID

VBLK240

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3835

Lab File ID: VV039535.D

Lab Sample ID: VV1211WBL01

Date Analyzed: 12/11/2025

Time Analyzed: 12:04

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_V

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
OWBR-01-170-121025-SIM	Q3835-03	VV039536.D	12/11/2025
TB01-121025	Q3835-06	VV039537.D	12/11/2025
VHBLK001	Q3835-07	VV039542.D	12/11/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VV039444.D
Instrument ID: MSVOA_V
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05
SDG NO.: Q3835
BFB Injection Date: 12/03/2025
BFB Injection Time: 09:23
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	48.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.7 (1.8) 1
174	50.0 - 100.0% of mass 95	94.2
175	5.0 - 9.0% of mass 174	6.9 (7.3) 1
176	95.0 - 101.0% of mass 174	91.7 (97.4) 1
177	5.0 - 9.0% of mass 176	6 (6.5) 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
VSTD0.02269	VSTD0.0269	VV039445.D	12/03/2025	09:55
VSTD0.05270	VSTD0.0570	VV039446.D	12/03/2025	10:32
VSTD0.1271	VSTD0.171	VV039447.D	12/03/2025	10:58
VSTD0.5272	VSTD0.572	VV039448.D	12/03/2025	11:25
VSTD001273	VSTD00173	VV039449.D	12/03/2025	11:52
VSTD002274	VSTD00274	VV039450.D	12/03/2025	12:18

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VV039533.D
Instrument ID: MSVOA_V
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05
SDG NO.: Q3835
BFB Injection Date: 12/11/2025
BFB Injection Time: 08:07
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	50.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	1.4 (1.5) 1
174	50.0 - 100.0% of mass 95	94.6
175	5.0 - 9.0% of mass 174	7 (7.4) 1
176	95.0 - 101.0% of mass 174	90.1 (95.3) 1
177	5.0 - 9.0% of mass 176	6.2 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD0.5343	VSTDCCC0.5	VV039534.D	12/11/2025	11:14
VBLK240	VV1211WBL01	VV039535.D	12/11/2025	12:04
OWBR-01-170-121025-SIM	Q3835-03	VV039536.D	12/11/2025	12:54
TB01-121025	Q3835-06	VV039537.D	12/11/2025	13:15
VHBLK001	Q3835-07	VV039542.D	12/11/2025	15:29
VSTD0.5344	VSTDCCC0.5EC	VV039544.D	12/11/2025	16:15

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05
Lab Code: ACE SDG NO.: Q3835
Lab File ID: VV039534.D Date Analyzed: 12/11/2025
Instrument ID: MSVOA_V Time Analyzed: 11:14
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 (DFB) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
12 HOUR STD	6291	5.57	6362	8.79	3690	11.18
UPPER LIMIT	12582	5.736	12724	8.955	7380	11.345
LOWER LIMIT	3145.5	5.396	3181	8.615	1845	11.005
EPA SAMPLE NO.						
OWBR-01-170-121025-SIM	7258	5.57	6539	8.79	3576	11.18
TB01-121025	6332	5.57	6198	8.80	3238	11.20
VHBLK001	6196	5.57	5919	8.80	3051	11.20
VBLK240	5311	5.57	5097	8.80	2635	11.20

IS1 (DFB) = 1,4-Difluorobenzene

IS2 (CBZ) = Chlorobenzene-d5

IS3 (DCB) = 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 STC PTC Site D3868221
 Client Sample ID: VBLK240
 Lab Sample ID: VV1211WBL01
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected:
 Date Received:
 SDG No.: Q3835
 Matrix: Water
 % Solid: 0
 Test: VOC-SIM

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl chloride	0.020	U	1	0.020	0.020	ug/L	12/11/25 12:04	VV121125
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.61			40 - 130	122%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.50			70 - 130	99.6%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.47			60 - 140	93.8%	SPK: 0.5		
2037-26-5	Toluene-d8	0.52			70 - 130	104.4%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.59			65 - 120	117.8%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	5100							
540-36-3	1,4-Difluorobenzene	5310							
3855-82-1	1,4-Dichlorobenzene-d4	2640							

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: Alliance Contract: JAC005
 Lab Code: ACE SDG No.: Q3835
 Instrument ID: MSVOA_V Calibration Date(s): 12/03/2025 12/03/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:55 12:18
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRFAL1 = VV039445.D		RRFAL2 = VV039446.D		RRFAL3 = VV039447.D			
		RRFAL4 = VV039448.D		RRFAL5 = VV039449.D		RRFAL6 = VV039450.D			
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD	
Vinyl chloride	1.464	0.963	1.023	1.100	0.991	0.950	1.082	18	
Vinyl Chloride-d3		0.473	0.499	0.533	0.491	0.458	0.491	5.8	
1,2-Dichloroethane-d4		0.383	0.341	0.334	0.318	0.288	0.333	10.3	
1,2-Dichloropropane-d6		0.397	0.402	0.463	0.425	0.422	0.422	6.2	
Toluene-d8		0.674	0.616	0.726	0.738	0.805	0.712	10	
1,1,2,2-Tetrachloroethane-d2		0.215	0.249	0.262	0.243	0.220	0.238	8.4	

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>12/11/2025 11:14</u>
Lab File ID:	<u>VV039534.D</u>	Init. Calib. Date(s):	<u>12/03/2025 12/03/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:55 12:18</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	1.096	0.01	1.3	30
Vinyl Chloride-d3	0.491	0.503	0.01	2.6	30
1,2-Dichloroethane-d4	0.333	0.332	0.01	-0.4	25
1,2-Dichloropropane-d6	0.422	0.443	0.1	5.1	20
Toluene-d8	0.712	0.704	0.2	-1.1	20
1,1,2,2-Tetrachloroethane-d2	0.238	0.263	0.01	10.7	25

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>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>12/11/2025</u> <u>16:15</u>
Lab File ID:	<u>VV039544.D</u>	Init. Calib. Date(s):	<u>12/03/2025</u> <u>12/03/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:55</u> <u>12:18</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	1.082	1.082	0.01	0	50
Vinyl Chloride-d3	0.491	0.493	0.01	0.4	50
1,2-Dichloroethane-d4	0.333	0.324	0.01	-2.8	50
1,2-Dichloropropane-d6	0.422	0.442	0.1	4.9	50
Toluene-d8	0.712	0.683	0.2	-4.1	50
1,1,2,2-Tetrachloroethane-d2	0.238	0.267	0.01	12.4	50

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_V\DATA\VV121125\
 Data File : VV039536.D
 Acq On : 11 Dec 2025 12:54
 Operator : SY/MD
 Sample : Q3835-03
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 OWBR-01-170-121025-SIM

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 12 00:48:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 09 08:40:48 2025
 Response via : Initial Calibration

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

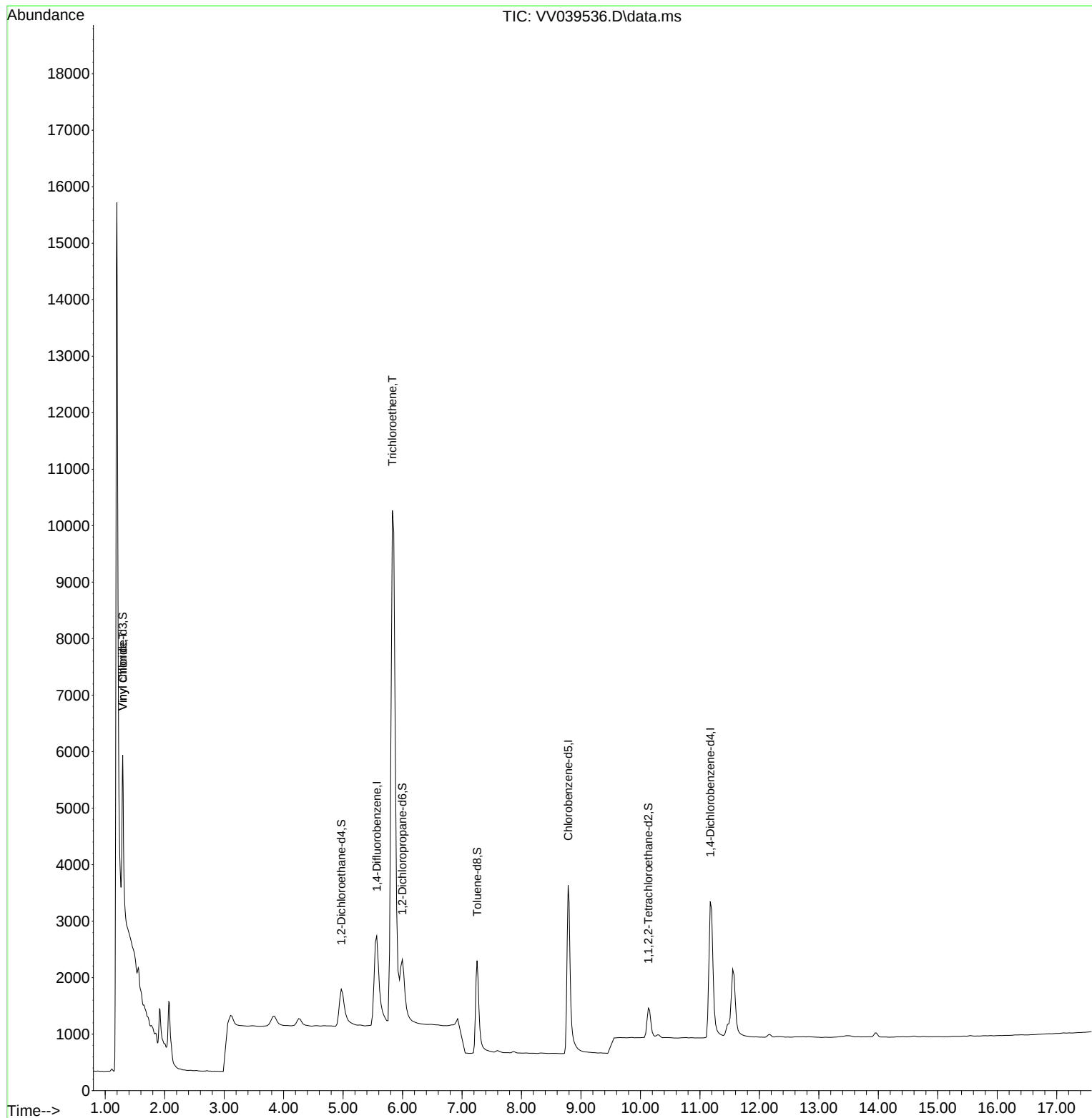
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7258	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	6539	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.175	152	3576	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	3268	0.459	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery =	92.000%		
4) 1,2-Dichloroethane-d4	4.970	65	1824	0.377	ug/L	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery =	76.000%		
7) 1,2-Dichloropropane-d6	5.996	67	2017	0.366	ug/L	-0.02
Spiked Amount 0.500	Range 60 - 140		Recovery =	74.000%		
8) Toluene-d8	7.254	98	3941	0.423	ug/L	0.02
Spiked Amount 0.500	Range 70 - 130		Recovery =	84.000%		
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1481	0.476	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery =	96.000%		
Target Compounds						
3) Vinyl chloride	1.295	62	528	0.034	ug/L #	1
6) Trichloroethene	5.829	95	12292	1.550	ug/L	99

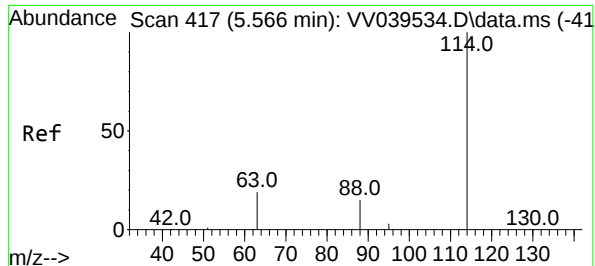
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121125\
Data File : VV039536.D
Acq On : 11 Dec 2025 12:54
Operator : SY/MD
Sample : Q3835-03
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OWBR-01-170-121025-SIM

Quant Time: Dec 12 00:48:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

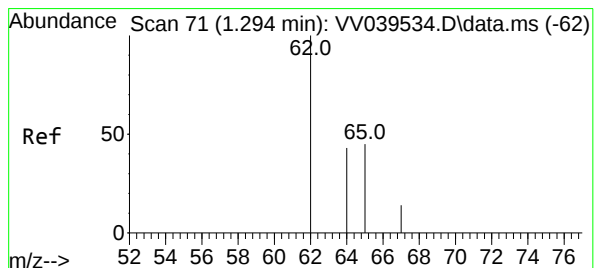
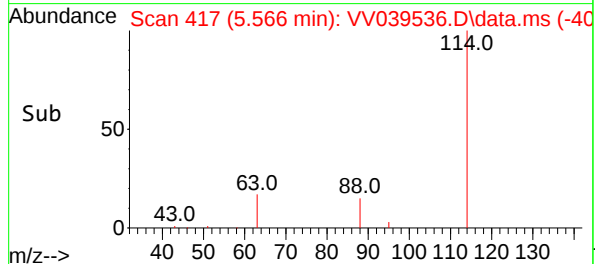
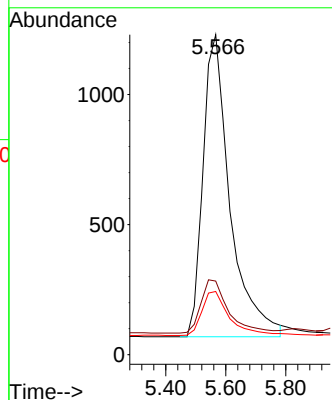
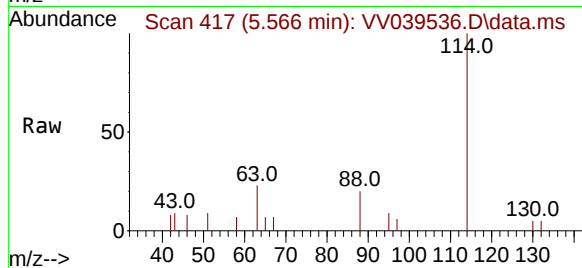




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039536.D
Acq: 11 Dec 2025 12:54

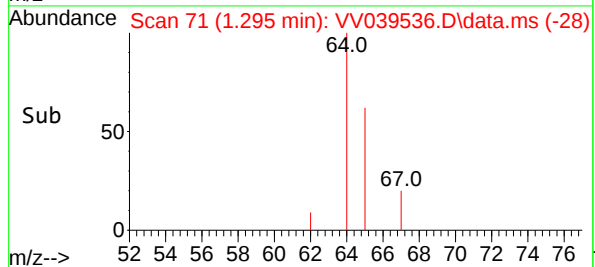
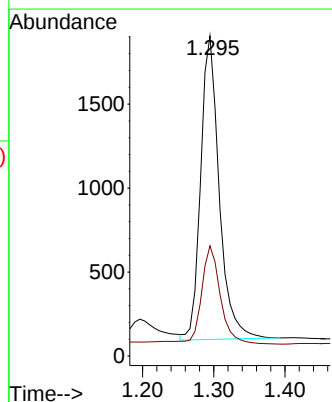
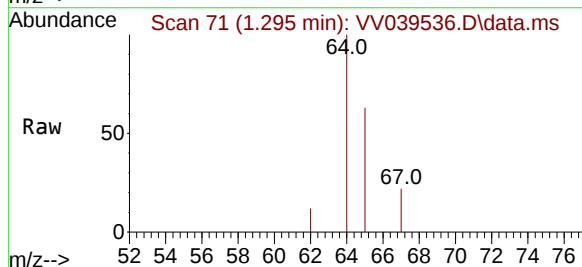
Instrument :
MSVOA_V
ClientSampleId :
OWBR-01-170-121025-SIM

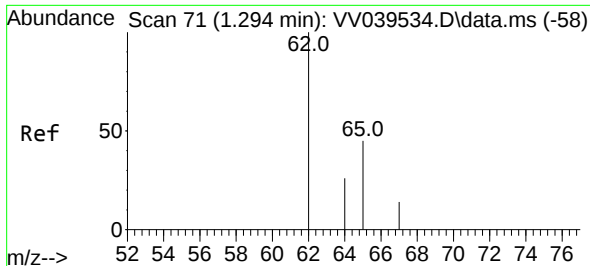
Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	15.0	22.4
88	14.6	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.459 ug/L
RT: 1.295 min Scan# 71
Delta R.T. 0.001 min
Lab File: VV039536.D
Acq: 11 Dec 2025 12:54

Tgt Ion	Ratio	Lower	Upper
65	100		
67	34.0	22.3	41.5





#3

Vinyl chloride

Concen: 0.034 ug/L

RT: 1.295 min Scan# 71

Delta R.T. 0.001 min

Lab File: VV039536.D

Acq: 11 Dec 2025 12:54

Instrument :

MSVOA_V

ClientSampleId :

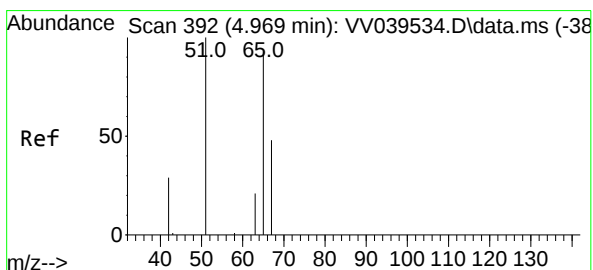
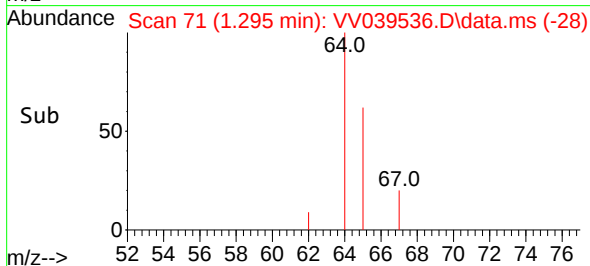
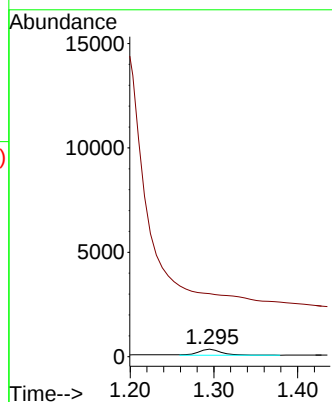
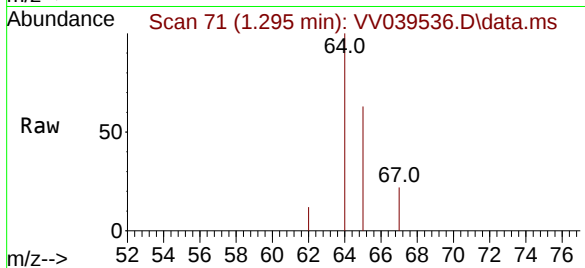
OWBR-01-170-121025-SIM

Tgt Ion: 62 Resp: 528

Ion Ratio Lower Upper

62 100

64 840.4 24.8 46.0#



#4

1,2-Dichloroethane-d4

Concen: 0.377 ug/L

RT: 4.970 min Scan# 392

Delta R.T. 0.001 min

Lab File: VV039536.D

Acq: 11 Dec 2025 12:54

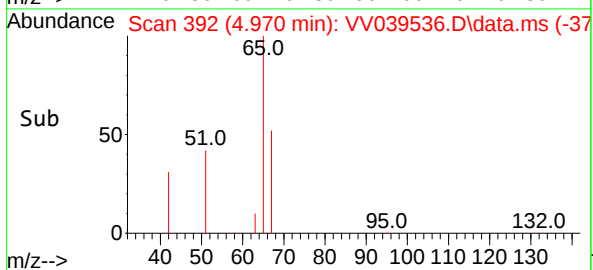
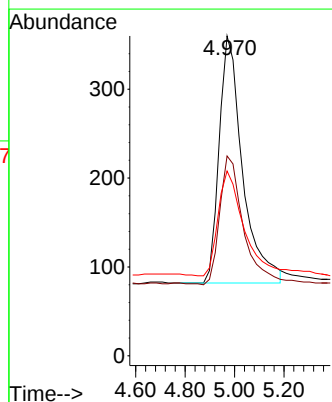
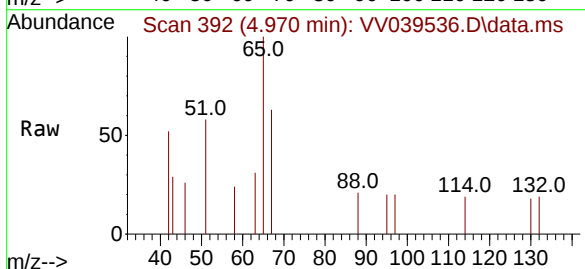
Tgt Ion: 65 Resp: 1824

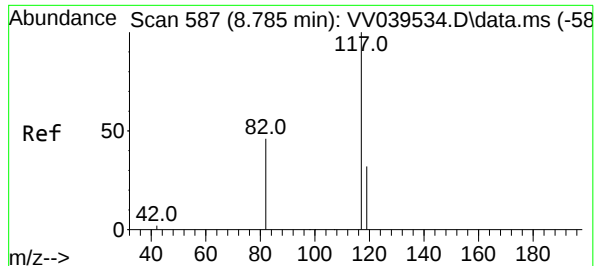
Ion Ratio Lower Upper

65 100

67 51.4 32.5 60.3

51 46.5 121.4 225.6#

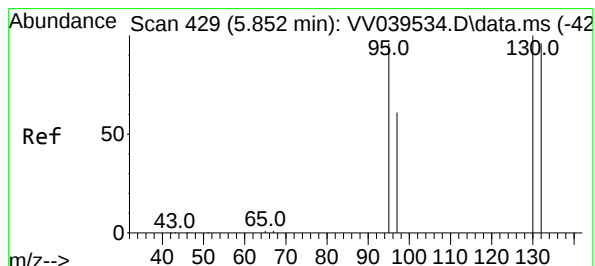
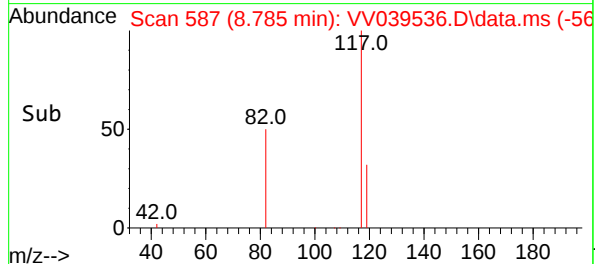
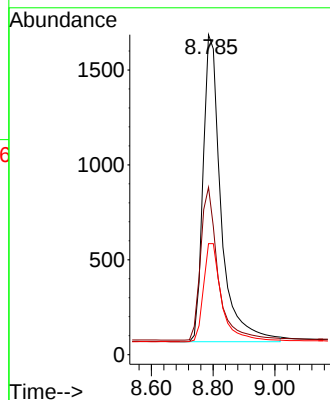
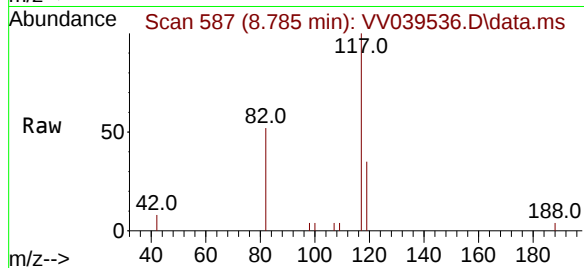




#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. 0.000 min
Lab File: VV039536.D
Acq: 11 Dec 2025 12:54

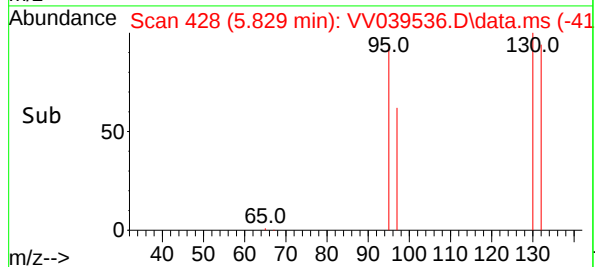
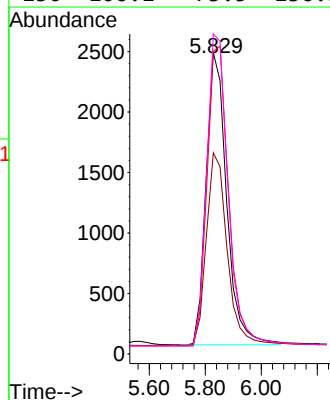
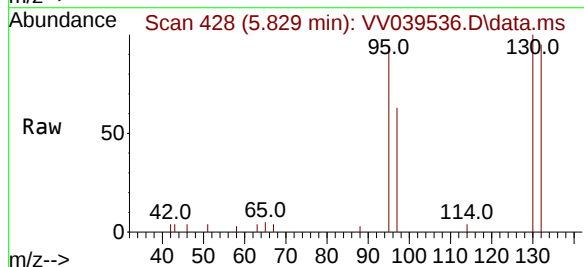
Instrument :
MSVOA_V
ClientSampleId :
OWBR-01-170-121025-SIM

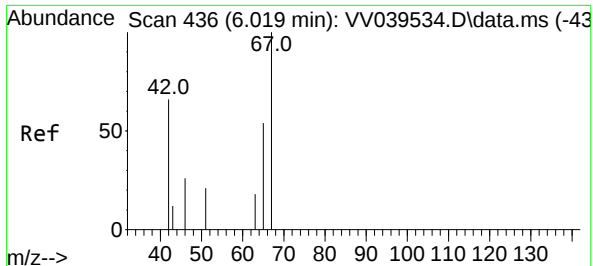
Tgt Ion:	117	Resp:	6539
Ion	Ratio	Lower	Upper
117	100		
82	48.6	39.4	59.2
119	32.8	26.2	39.2



#6
Trichloroethene
Concen: 1.550 ug/L
RT: 5.829 min Scan# 428
Delta R.T. -0.023 min
Lab File: VV039536.D
Acq: 11 Dec 2025 12:54

Tgt Ion:	95	Resp:	12292
Ion	Ratio	Lower	Upper
95	100		
97	66.7	47.7	88.7
132	100.4	70.8	131.4
130	106.1	73.5	136.5



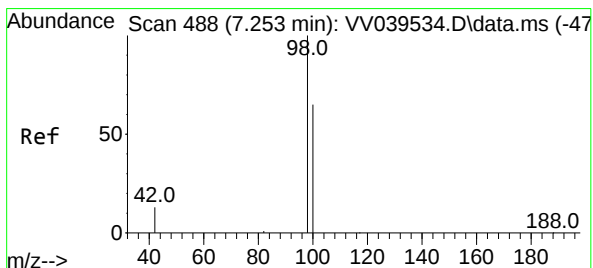
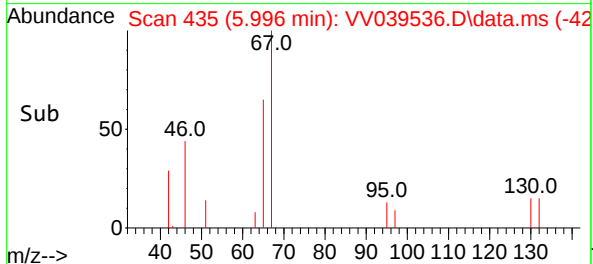
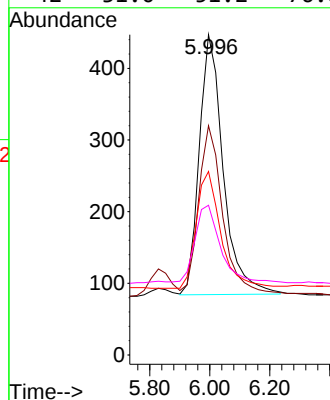
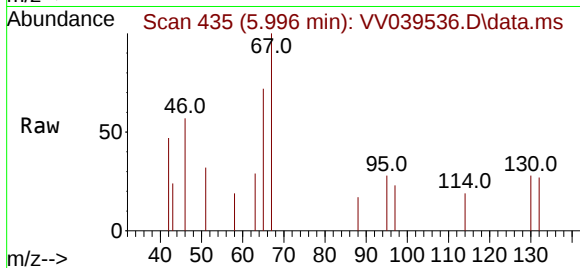


#7
1,2-Dichloropropane-d6
Concen: 0.366 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039536.D
Acq: 11 Dec 2025 12:54

Instrument :
MSVOA_V
ClientSampleId :
OWBR-01-170-121025-SIM

Tgt Ion: 67 Resp: 2017

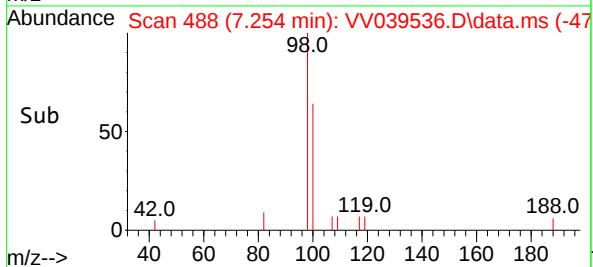
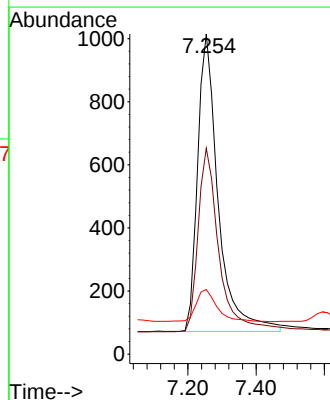
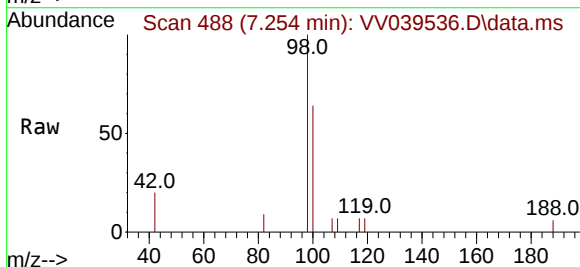
Ion	Ratio	Lower	Upper
67	100		
65	64.2	37.9	56.9#
46	46.3	27.4	41.0#
42	31.0	51.2	76.8#

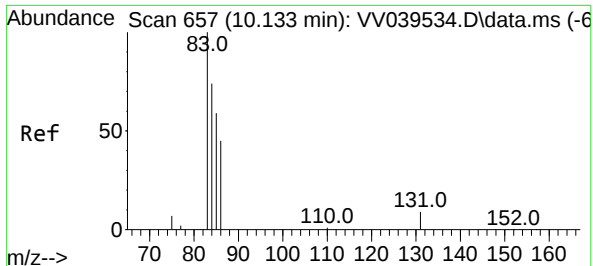


#8
Toluene-d8
Concen: 0.423 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039536.D
Acq: 11 Dec 2025 12:54

Tgt Ion: 98 Resp: 3941

Ion	Ratio	Lower	Upper
98	100		
100	62.5	44.5	82.7
42	11.0	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.476 ug/L

RT: 10.133 min Scan# 657

Delta R.T. -0.000 min

Lab File: VV039536.D

Acq: 11 Dec 2025 12:54

Instrument :

MSVOA_V

ClientSampleId :

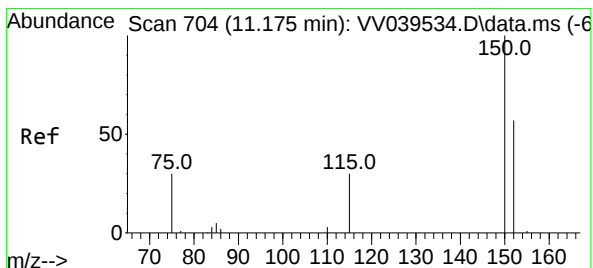
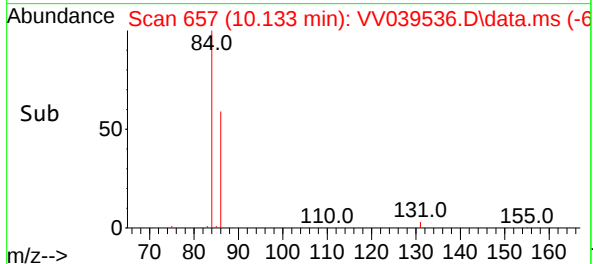
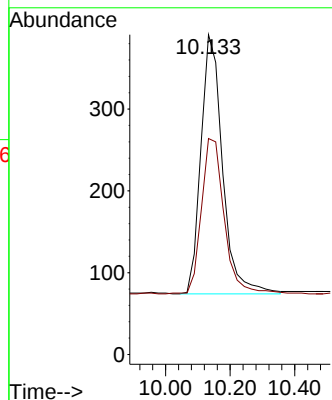
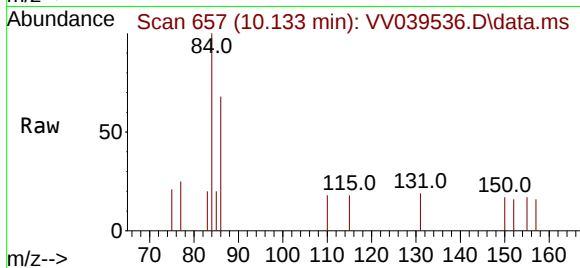
OWBR-01-170-121025-SIM

Tgt Ion: 84 Resp: 1481

Ion Ratio Lower Upper

84 100

86 63.0 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.175 min Scan# 704

Delta R.T. 0.000 min

Lab File: VV039536.D

Acq: 11 Dec 2025 12:54

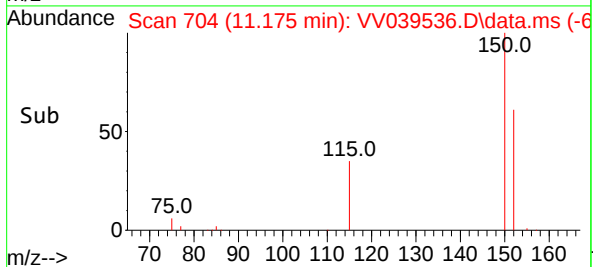
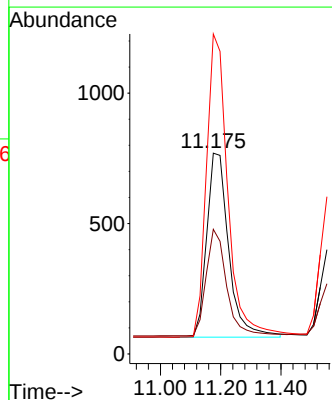
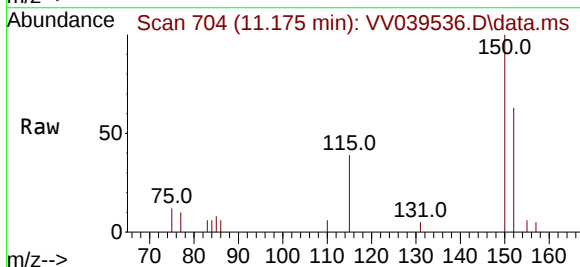
Tgt Ion: 152 Resp: 3576

Ion Ratio Lower Upper

152 100

115 54.0 0.0 101.6

150 159.7 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121125\
Data File : VV039537.D
Acq On : 11 Dec 2025 13:15
Operator : SY/MD
Sample : Q3835-06
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB01-121025

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 12 00:48:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6332	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6198	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.198	152	3238	0.500	ug/L	0.02

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	3231	0.520	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	104.000%
4) 1,2-Dichloroethane-d4	4.994	65	1926	0.457	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	92.000%
7) 1,2-Dichloropropane-d6	5.996	67	2170	0.415	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	82.000%
8) Toluene-d8	7.254	98	4016	0.455	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	92.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1592	0.540	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	108.000%

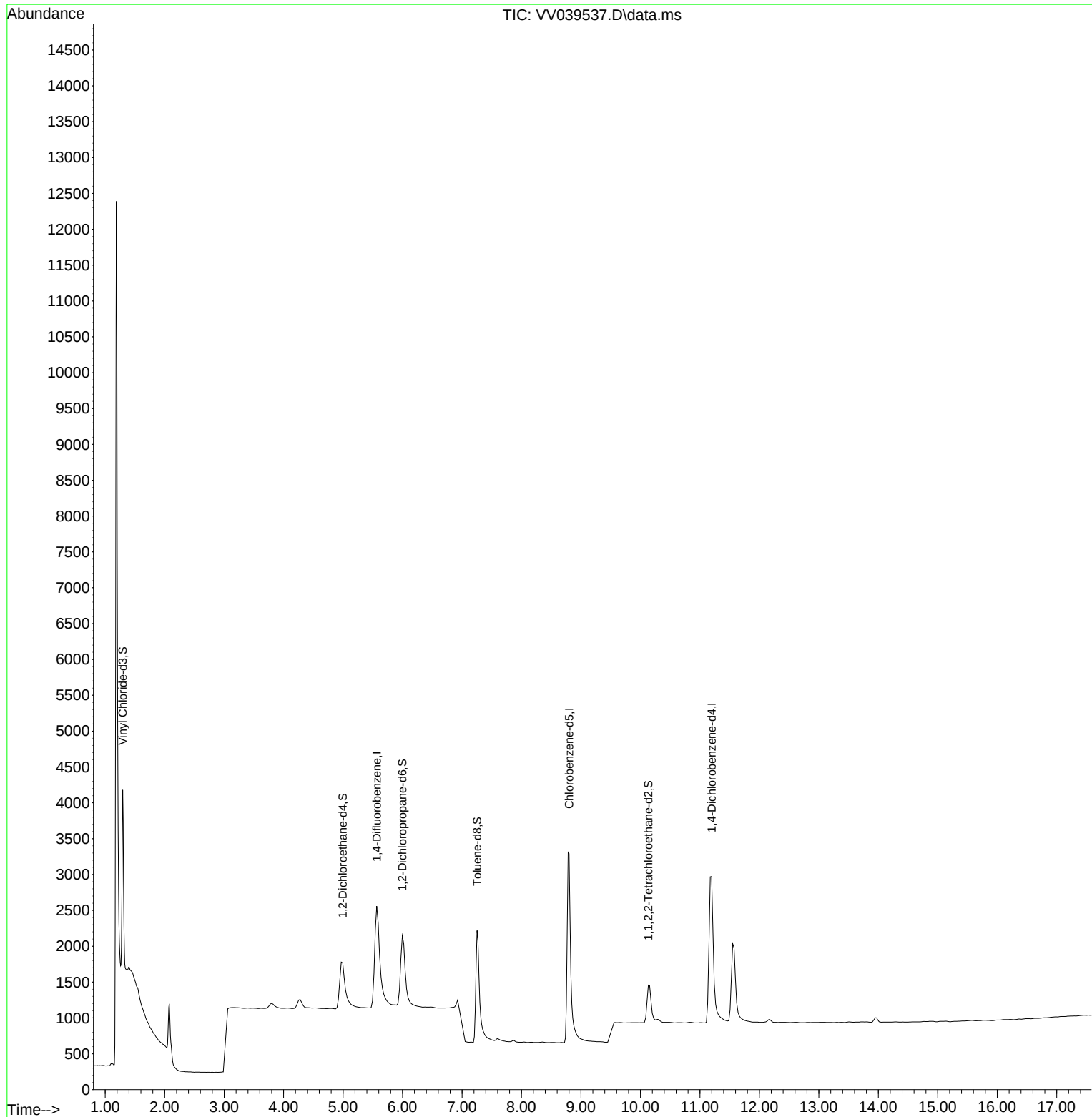
Target Compounds	Qvalue

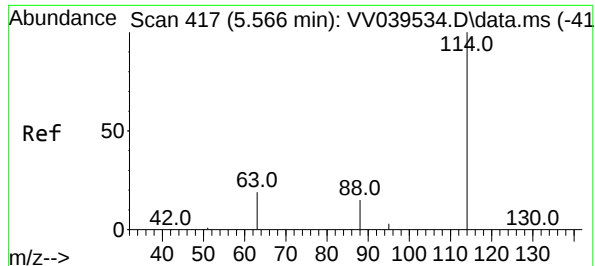
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121125\
Data File : VV039537.D
Acq On : 11 Dec 2025 13:15
Operator : SY/MD
Sample : Q3835-06
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB01-121025

Quant Time: Dec 12 00:48:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

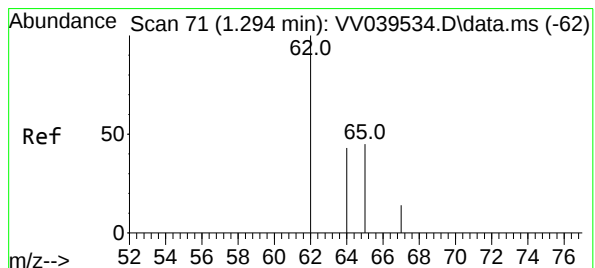
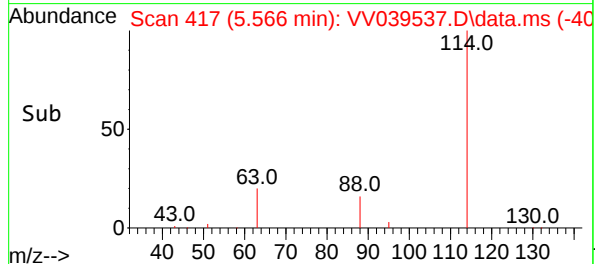
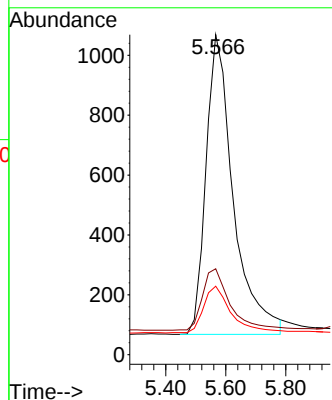
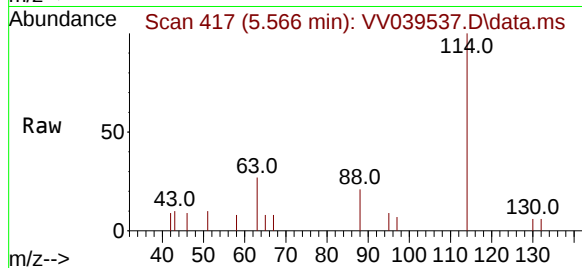




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039537.D
Acq: 11 Dec 2025 13:15

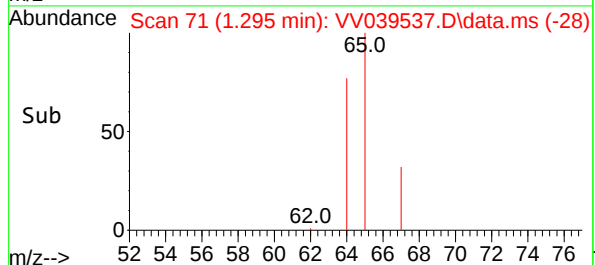
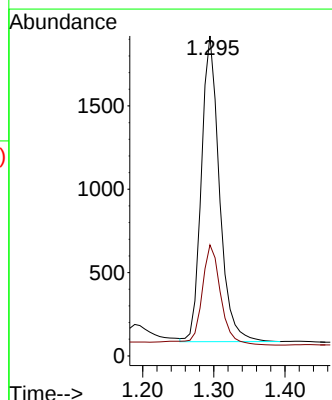
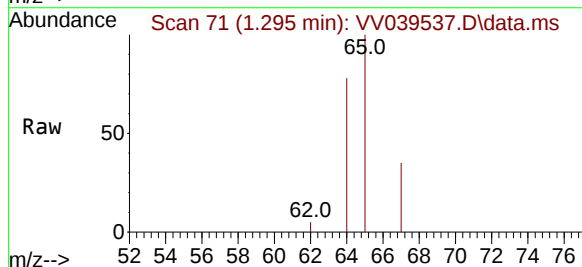
Instrument :
MSVOA_V
ClientSampleId :
TB01-121025

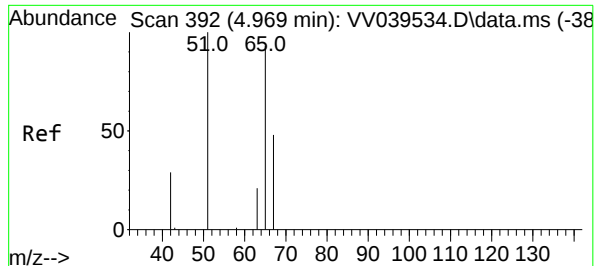
Tgt Ion:	114	Resp:	6332
Ion	Ratio	Lower	Upper
114	100		
63	20.5	15.0	22.4
88	15.7	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.520 ug/L
RT: 1.295 min Scan# 71
Delta R.T. 0.001 min
Lab File: VV039537.D
Acq: 11 Dec 2025 13:15

Tgt Ion:	65	Resp:	3231
Ion	Ratio	Lower	Upper
65	100		
67	35.3	22.3	41.5

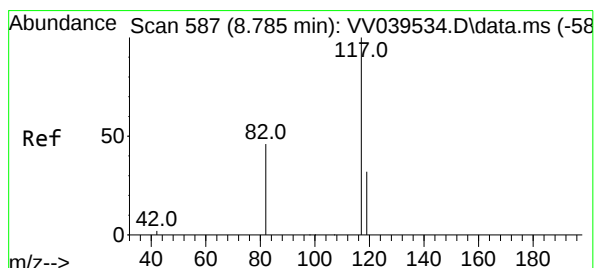
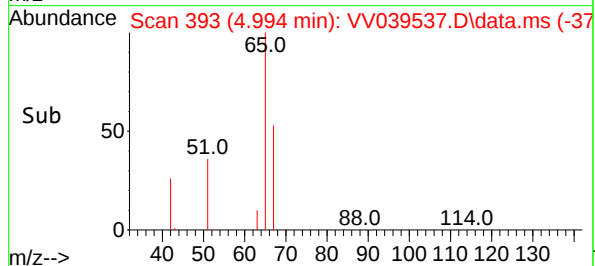
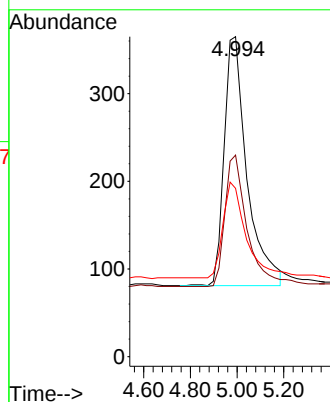
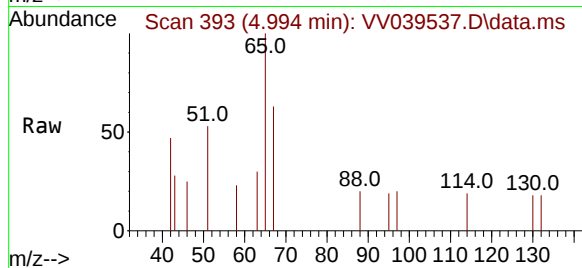




#4
1,2-Dichloroethane-d4
Concen: 0.457 ug/L
RT: 4.994 min Scan# 393
Delta R.T. 0.025 min
Lab File: VV039537.D
Acq: 11 Dec 2025 13:15

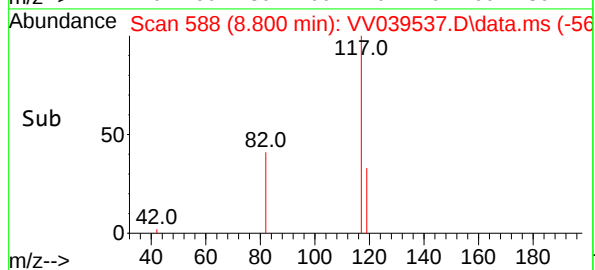
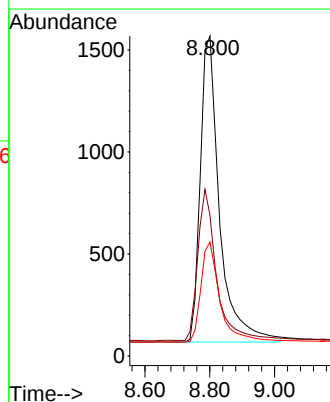
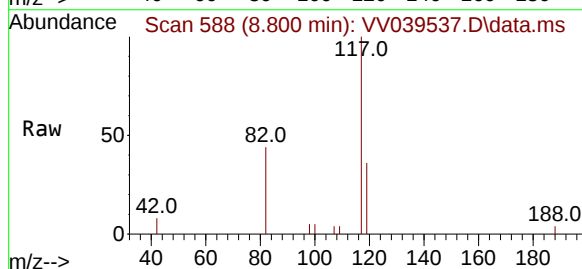
Instrument :
MSVOA_V
ClientSampleId :
TB01-121025

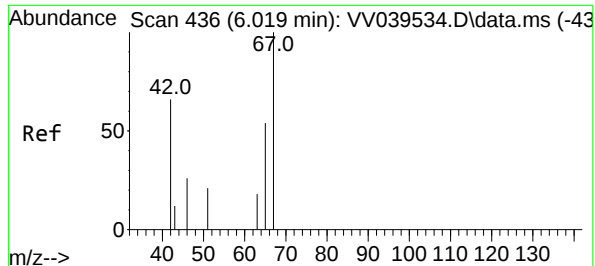
Tgt Ion: 65 Resp: 1926
Ion Ratio Lower Upper
65 100
67 50.9 32.5 60.3
51 38.4 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039537.D
Acq: 11 Dec 2025 13:15

Tgt Ion: 117 Resp: 6198
Ion Ratio Lower Upper
117 100
82 48.0 39.4 59.2
119 32.3 26.2 39.2



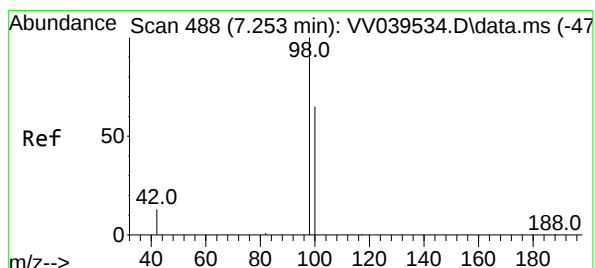
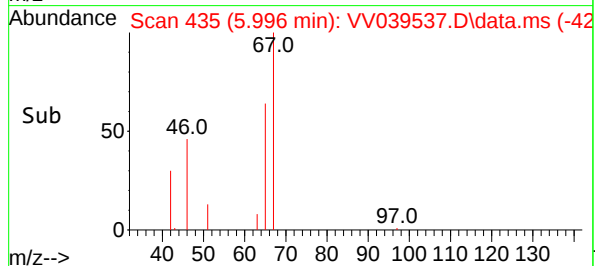
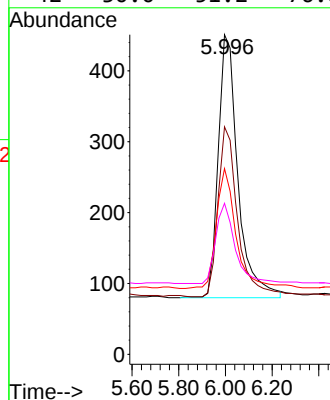
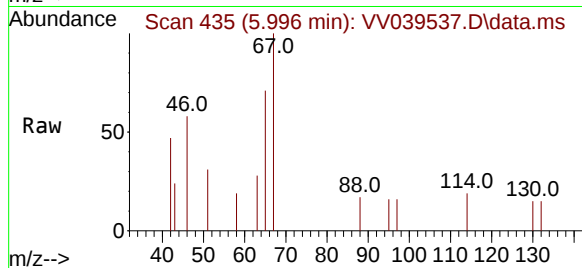


#7
1,2-Dichloropropane-d6
Concen: 0.415 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039537.D
Acq: 11 Dec 2025 13:15

Instrument :
MSVOA_V
ClientSampleId :
TB01-121025

Tgt Ion: 67 Resp: 2170

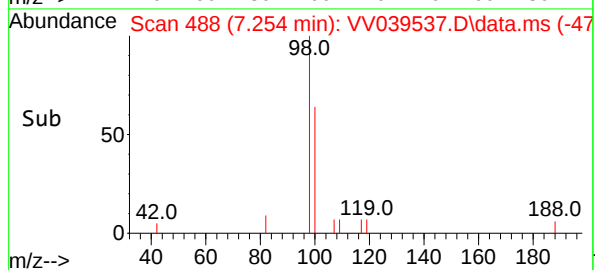
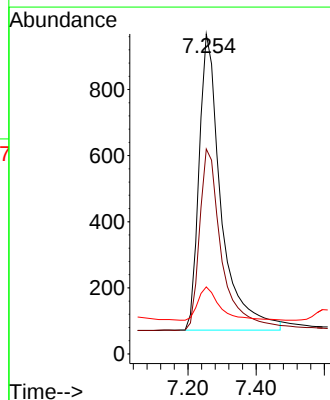
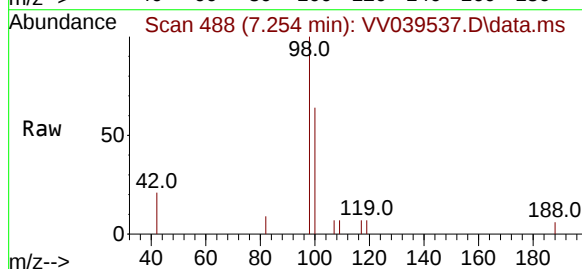
Ion	Ratio	Lower	Upper
67	100		
65	64.8	37.9	56.9#
46	44.9	27.4	41.0#
42	30.0	51.2	76.8#

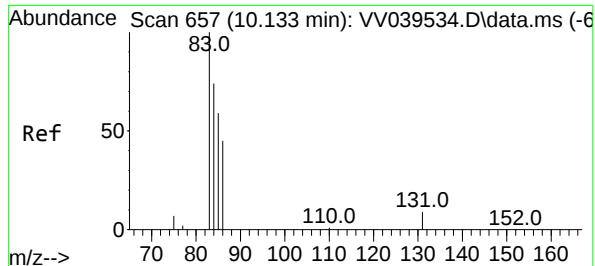


#8
Toluene-d8
Concen: 0.455 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039537.D
Acq: 11 Dec 2025 13:15

Tgt Ion: 98 Resp: 4016

Ion	Ratio	Lower	Upper
98	100		
100	61.6	44.5	82.7
42	11.1	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.540 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039537.D

Acq: 11 Dec 2025 13:15

Instrument :

MSVOA_V

ClientSampleId :

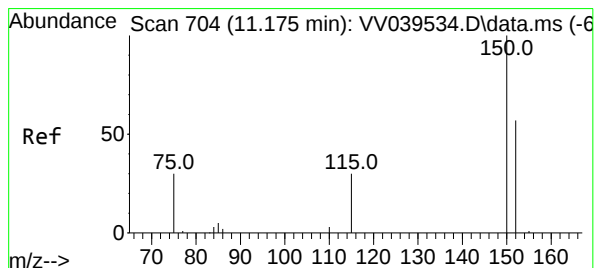
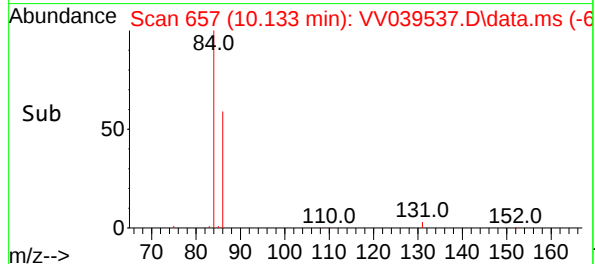
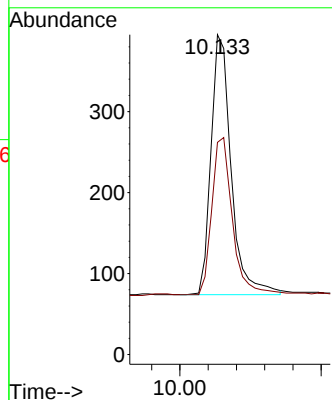
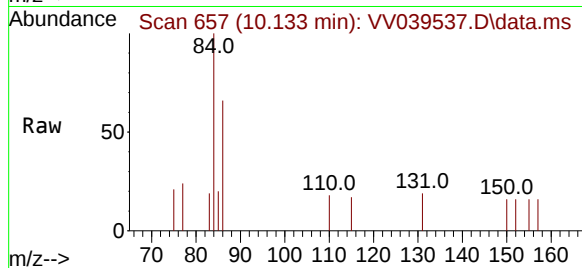
TB01-121025

Tgt Ion: 84 Resp: 1592

Ion Ratio Lower Upper

84 100

86 61.2 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.198 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039537.D

Acq: 11 Dec 2025 13:15

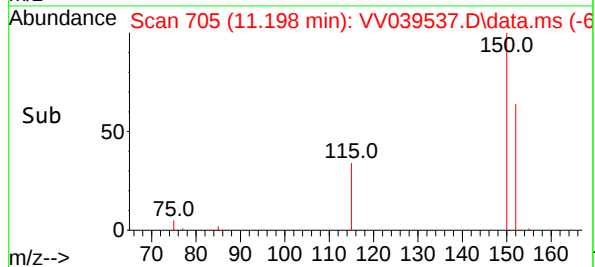
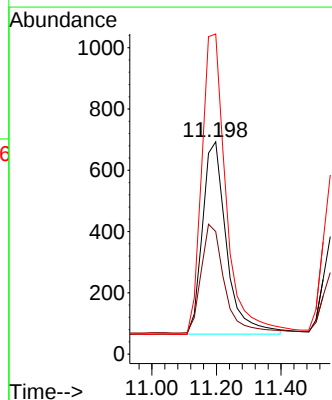
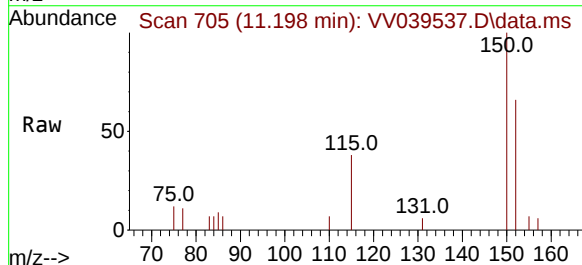
Tgt Ion: 152 Resp: 3238

Ion Ratio Lower Upper

152 100

115 54.6 0.0 101.6

150 158.2 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121125\
Data File : VV039542.D
Acq On : 11 Dec 2025 15:29
Operator : SY/MD
Sample : Q3835-07
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 12 00:49:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6196	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5919	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3051	0.500	ug/L	0.02

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3213	0.528	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	106.000%
4) 1,2-Dichloroethane-d4	4.969	65	1775	0.430	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	86.000%
7) 1,2-Dichloropropane-d6	5.995	67	2021	0.405	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	80.000%
8) Toluene-d8	7.253	98	3791	0.450	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	90.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1454	0.517	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	104.000%

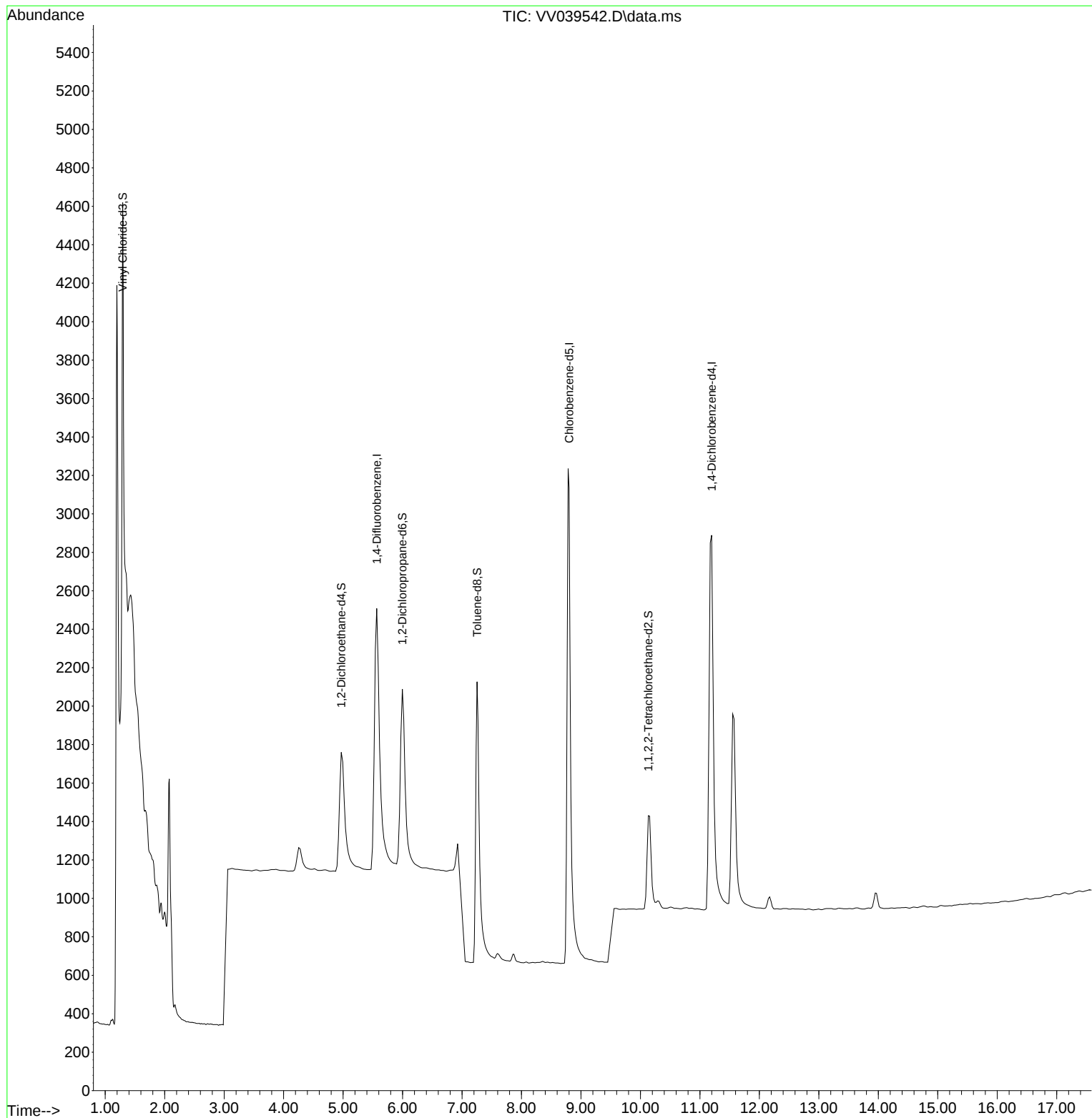
Target Compounds	Qvalue

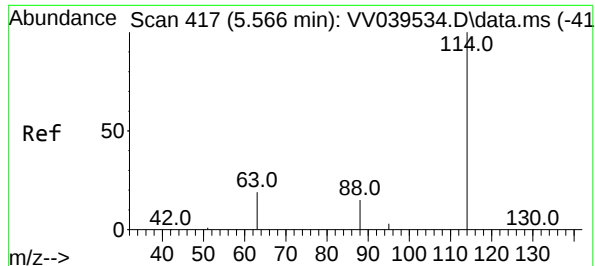
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121125\
Data File : VV039542.D
Acq On : 11 Dec 2025 15:29
Operator : SY/MD
Sample : Q3835-07
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Quant Time: Dec 12 00:49:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

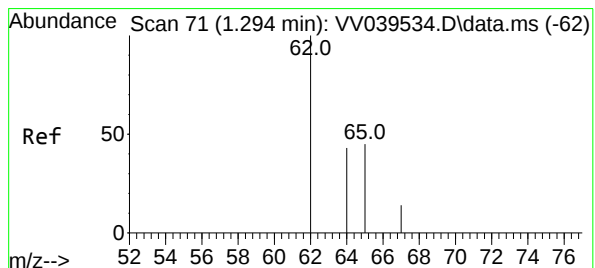
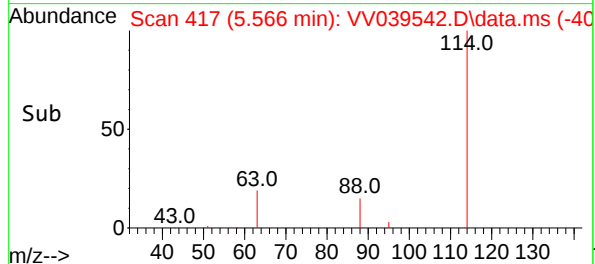
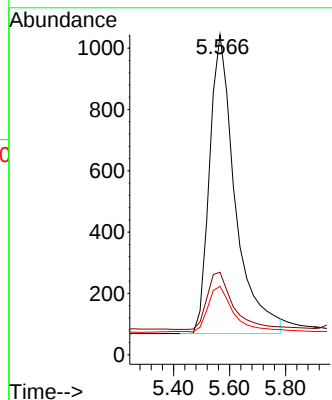
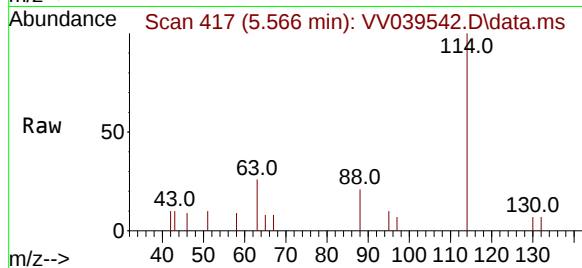




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV039542.D
Acq: 11 Dec 2025 15:29

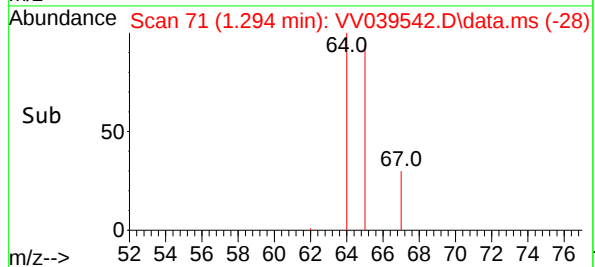
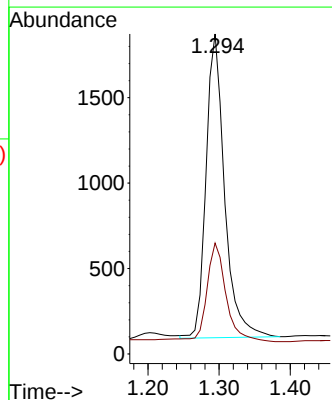
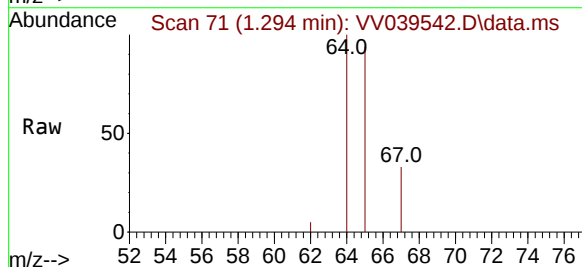
Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

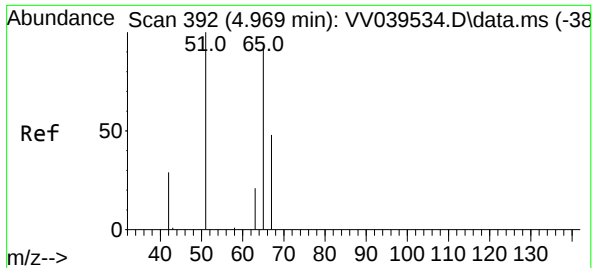
Tgt Ion:114	Resp:	6196
Ion Ratio	Lower	Upper
114	100	
63	19.2	15.0 22.4
88	15.5	12.0 18.0



#2
Vinyl Chloride-d3
Concen: 0.528 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039542.D
Acq: 11 Dec 2025 15:29

Tgt Ion: 65	Resp:	3213
Ion Ratio	Lower	Upper
65	100	
67	34.5	22.3 41.5

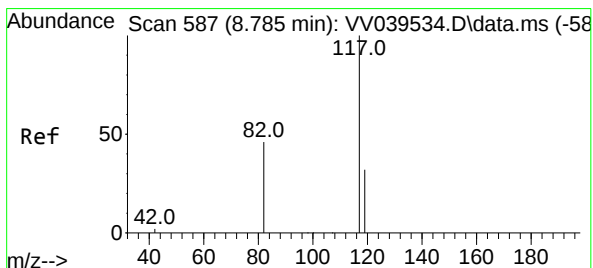
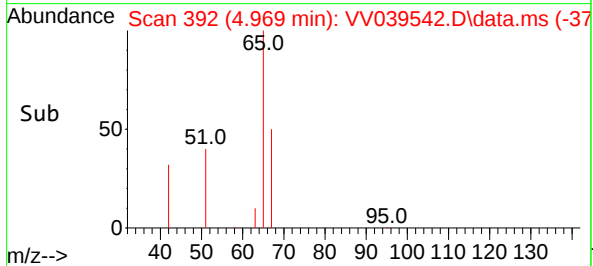
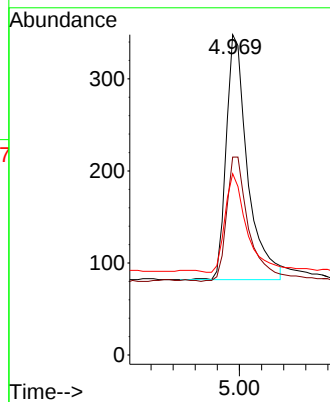
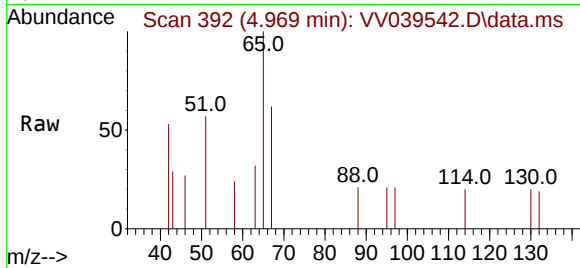




#4
1,2-Dichloroethane-d4
Concen: 0.430 ug/L
RT: 4.969 min Scan# 392
Delta R.T. 0.000 min
Lab File: VV039542.D
Acq: 11 Dec 2025 15:29

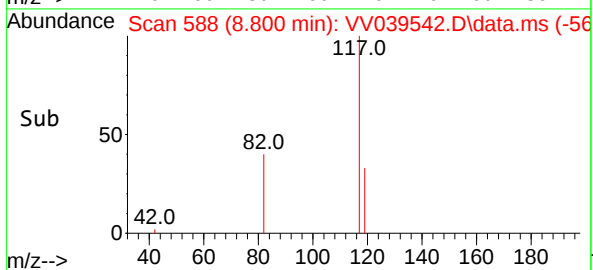
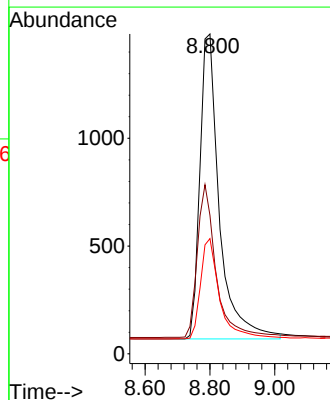
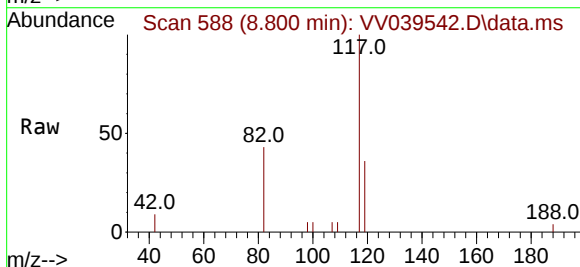
Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

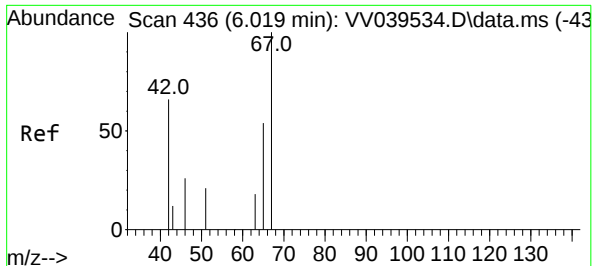
Tgt Ion: 65 Resp: 1775
Ion Ratio Lower Upper
65 100
67 52.7 32.5 60.3
51 40.7 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039542.D
Acq: 11 Dec 2025 15:29

Tgt Ion: 117 Resp: 5919
Ion Ratio Lower Upper
117 100
82 48.3 39.4 59.2
119 32.5 26.2 39.2

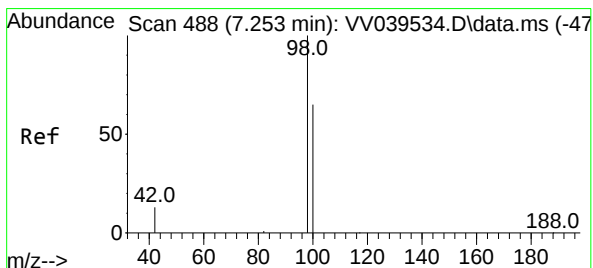
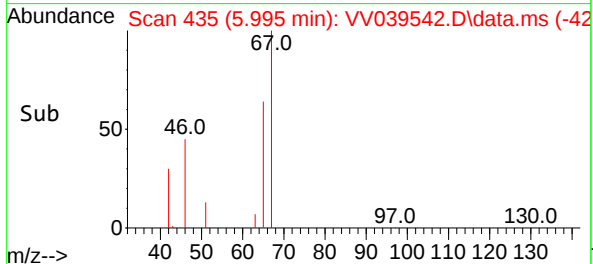
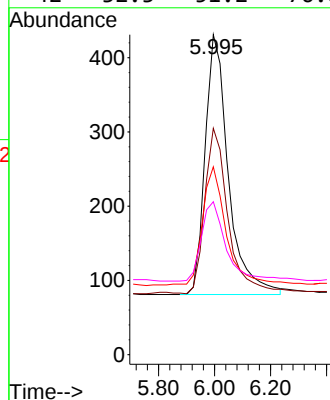
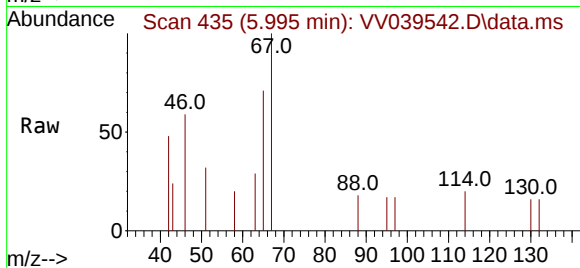




#7
1,2-Dichloropropane-d6
Concen: 0.405 ug/L
RT: 5.995 min Scan# 41
Delta R.T. -0.024 min
Lab File: VV039542.D
Acq: 11 Dec 2025 15:29

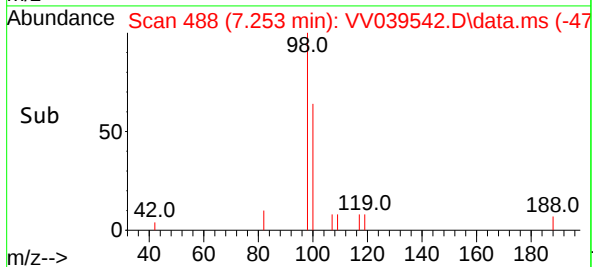
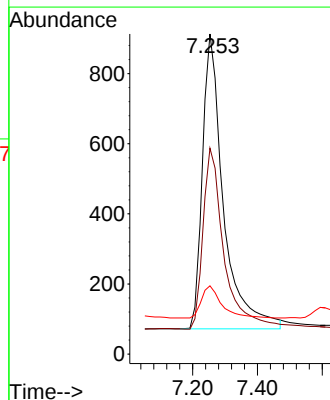
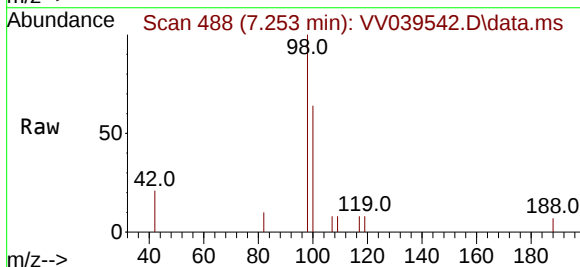
Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

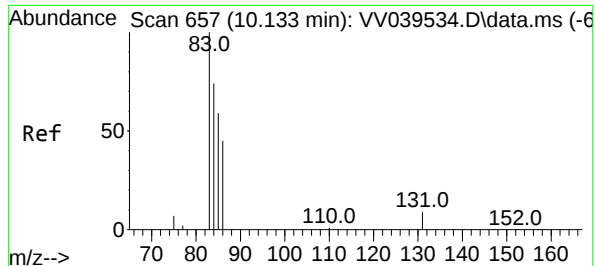
Tgt Ion:	67	Resp:	2021
Ion	Ratio	Lower	Upper
67	100		
65	62.5	37.9	56.9#
46	46.9	27.4	41.0#
42	32.3	51.2	76.8#



#8
Toluene-d8
Concen: 0.450 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039542.D
Acq: 11 Dec 2025 15:29

Tgt Ion:	98	Resp:	3791
Ion	Ratio	Lower	Upper
98	100		
100	61.5	44.5	82.7
42	10.4	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.517 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039542.D

Acq: 11 Dec 2025 15:29

Instrument :

MSVOA_V

ClientSampleId :

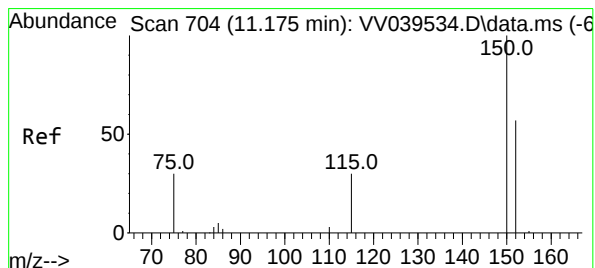
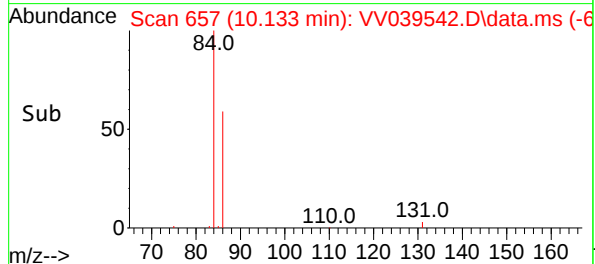
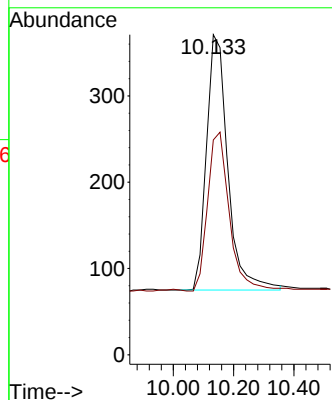
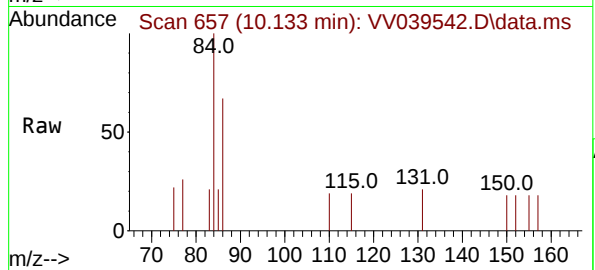
VHBLK001

Tgt Ion: 84 Resp: 1454

Ion Ratio Lower Upper

84 100

86 63.3 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039542.D

Acq: 11 Dec 2025 15:29

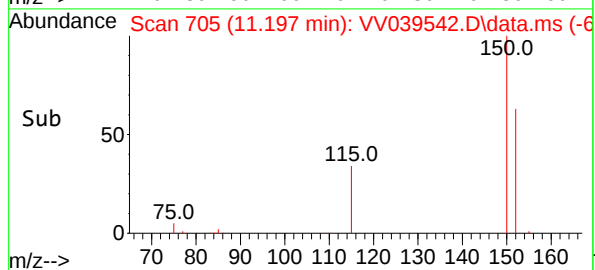
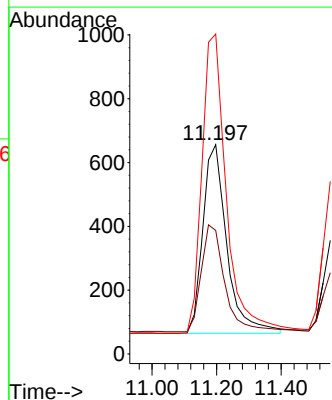
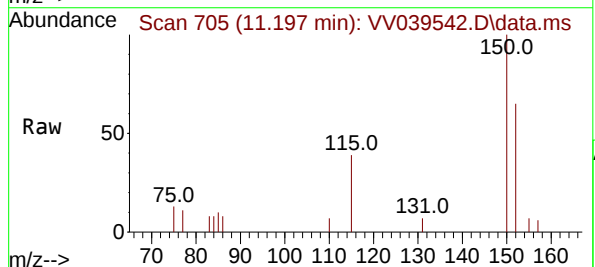
Tgt Ion: 152 Resp: 3051

Ion Ratio Lower Upper

152 100

115 55.1 0.0 101.6

150 160.8 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121125\
Data File : VV039535.D
Acq On : 11 Dec 2025 12:04
Operator : SY/MD
Sample : VV1211WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK240

Quant Time: Dec 12 00:48:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	5311	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5097	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	2635	0.500	ug/L	0.02

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	3180	0.610	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	122.000%
4) 1,2-Dichloroethane-d4	4.970	65	1762	0.498	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	100.000%
7) 1,2-Dichloropropane-d6	5.996	67	2019	0.469	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	94.000%
8) Toluene-d8	7.254	98	3786	0.522	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	104.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1427	0.589	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	118.000%

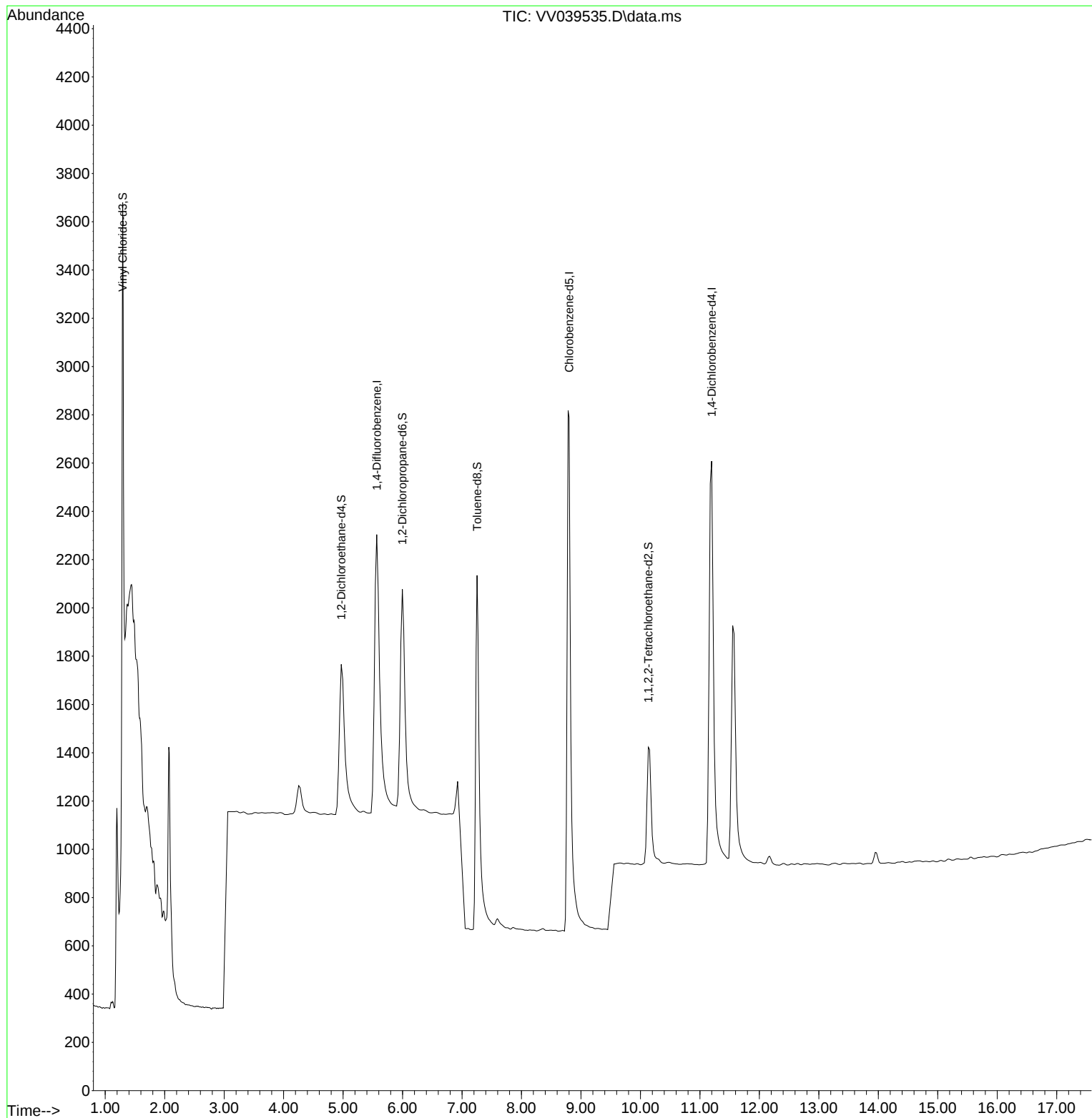
Target Compounds	Qvalue

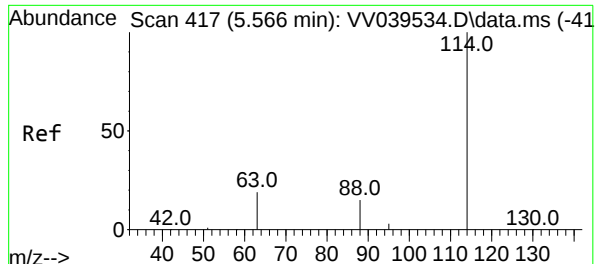
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121125\
Data File : VV039535.D
Acq On : 11 Dec 2025 12:04
Operator : SY/MD
Sample : VV1211WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK240

Quant Time: Dec 12 00:48:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 09 08:40:48 2025
Response via : Initial Calibration

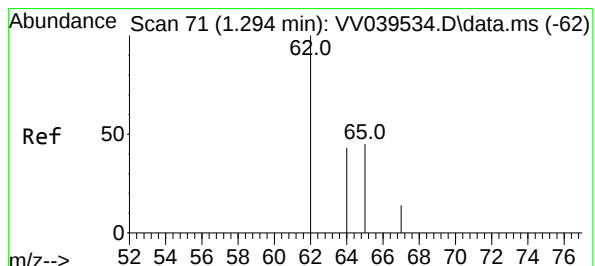
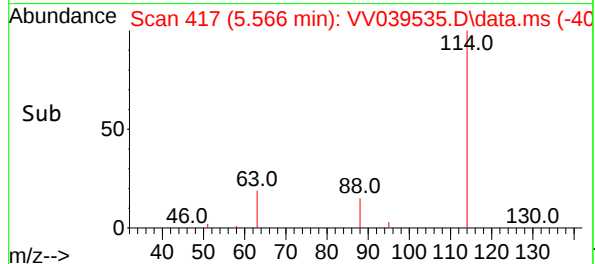
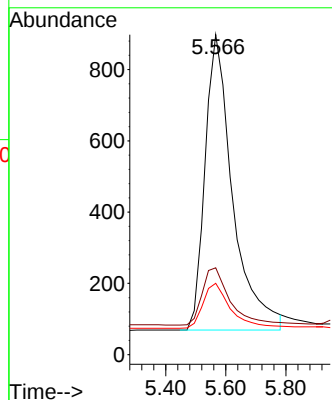
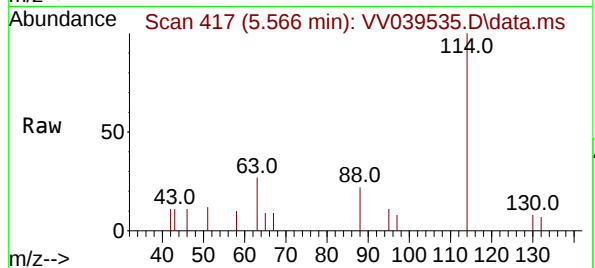




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039535.D
Acq: 11 Dec 2025 12:04

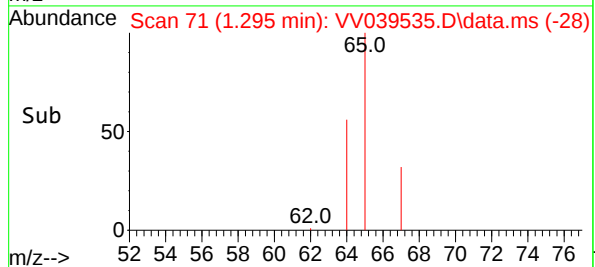
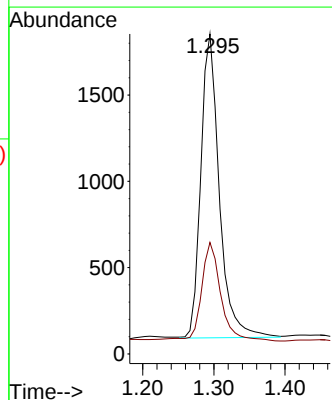
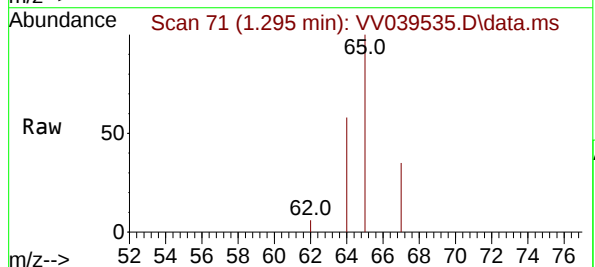
Instrument :
MSVOA_V
ClientSampleId :
VBLK240

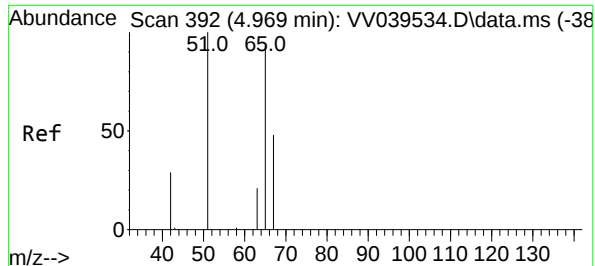
Tgt Ion:	114	Resp:	5311
Ion	Ratio	Lower	Upper
114	100		
63	19.5	15.0	22.4
88	15.2	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.610 ug/L
RT: 1.295 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039535.D
Acq: 11 Dec 2025 12:04

Tgt Ion:	65	Resp:	3180
Ion	Ratio	Lower	Upper
65	100		
67	34.3	22.3	41.5

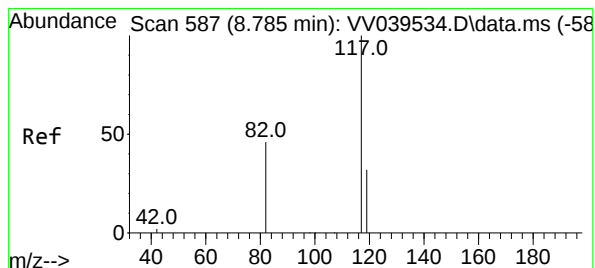
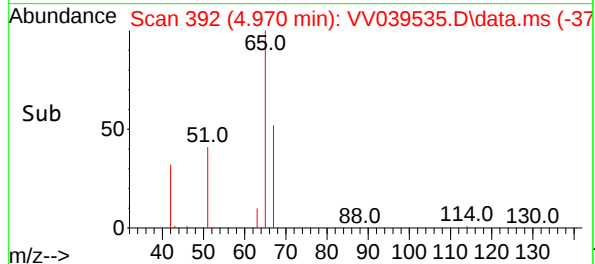
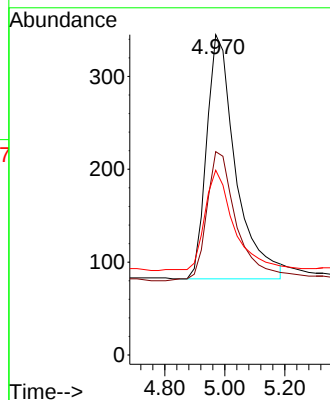
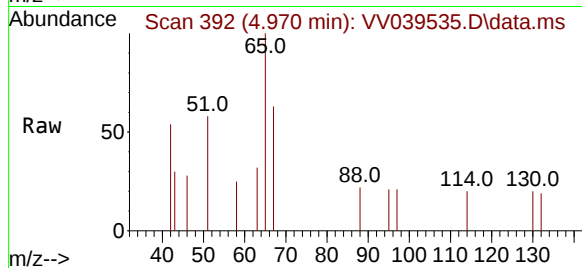




#4
1,2-Dichloroethane-d4
Concen: 0.498 ug/L
RT: 4.970 min Scan# 392
Delta R.T. 0.001 min
Lab File: VV039535.D
Acq: 11 Dec 2025 12:04

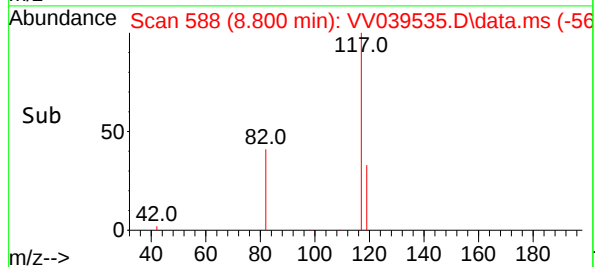
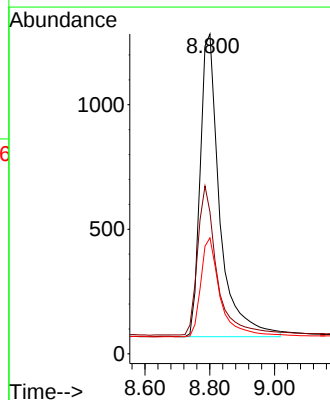
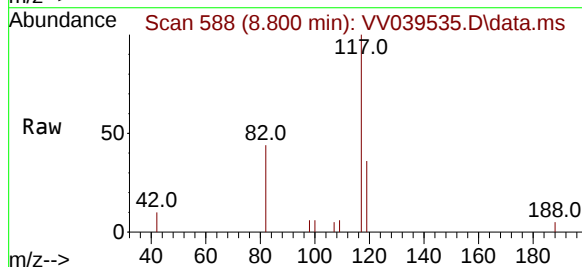
Instrument :
MSVOA_V
ClientSampleId :
VBLK240

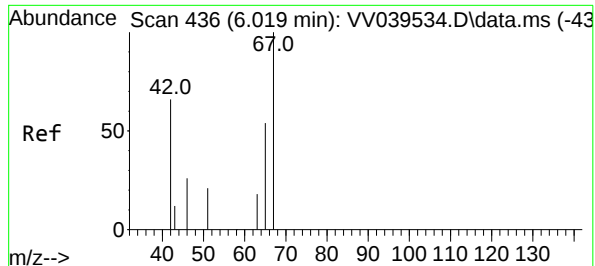
Tgt Ion: 65 Resp: 1762
Ion Ratio Lower Upper
65 100
67 54.5 32.5 60.3
51 41.2 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039535.D
Acq: 11 Dec 2025 12:04

Tgt Ion: 117 Resp: 5097
Ion Ratio Lower Upper
117 100
82 49.1 39.4 59.2
119 32.5 26.2 39.2



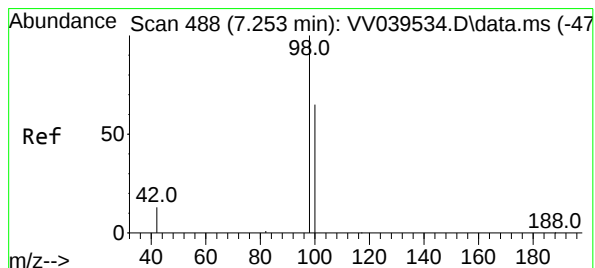
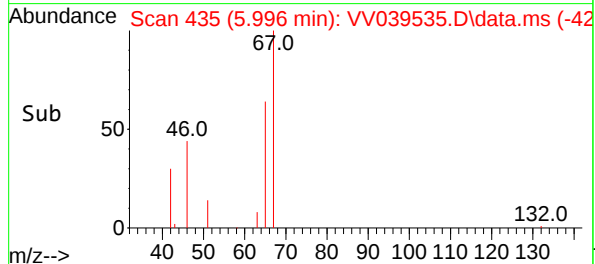
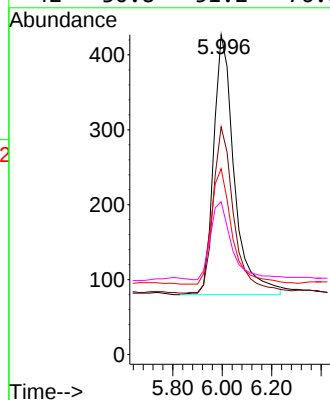
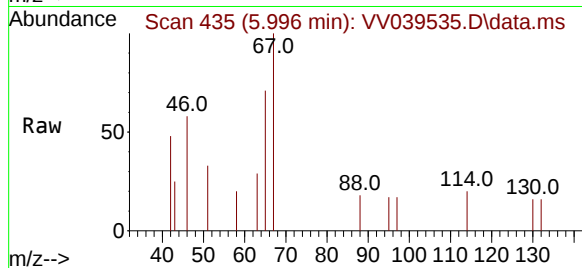


#7
1,2-Dichloropropane-d6
Concen: 0.469 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039535.D
Acq: 11 Dec 2025 12:04

Instrument :
MSVOA_V
ClientSampleId :
VBLK240

Tgt Ion: 67 Resp: 2019

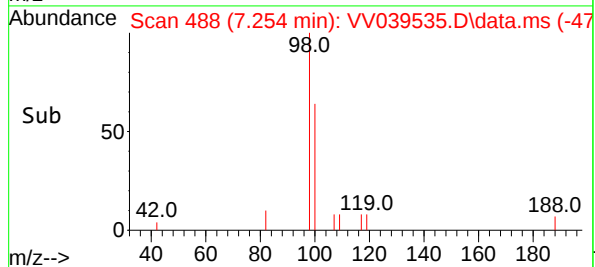
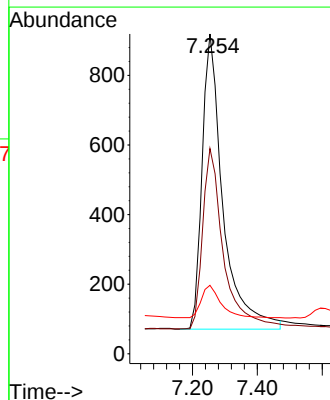
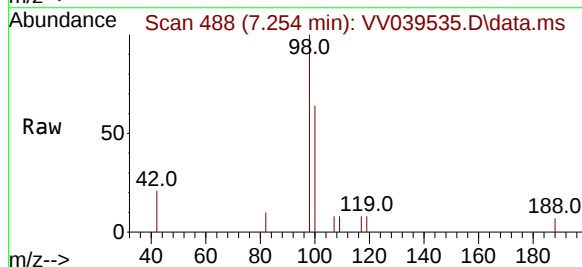
Ion	Ratio	Lower	Upper
67	100		
65	63.7	37.9	56.9#
46	44.8	27.4	41.0#
42	30.8	51.2	76.8#

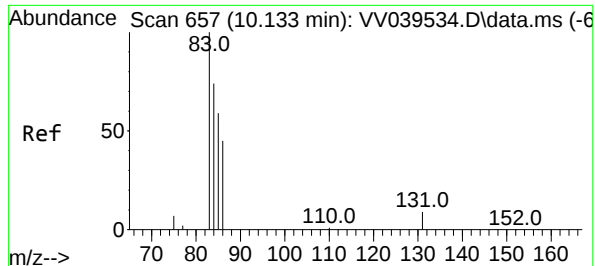


#8
Toluene-d8
Concen: 0.522 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039535.D
Acq: 11 Dec 2025 12:04

Tgt Ion: 98 Resp: 3786

Ion	Ratio	Lower	Upper
98	100		
100	61.1	44.5	82.7
42	10.1	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.589 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039535.D

Acq: 11 Dec 2025 12:04

Instrument :

MSVOA_V

ClientSampleId :

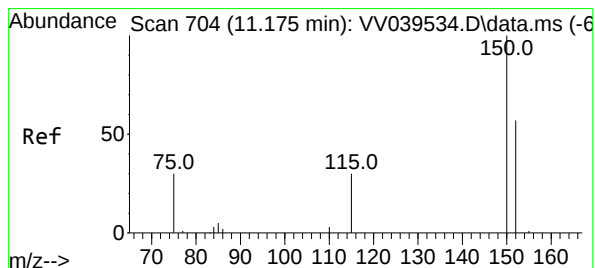
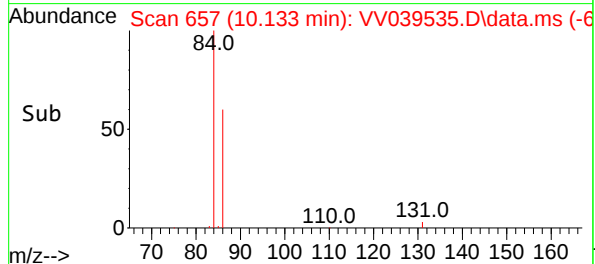
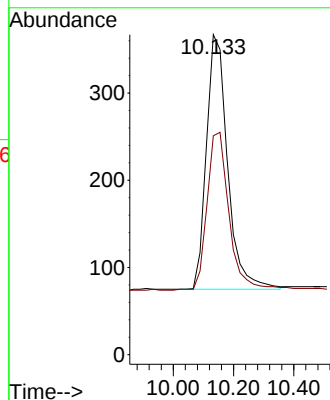
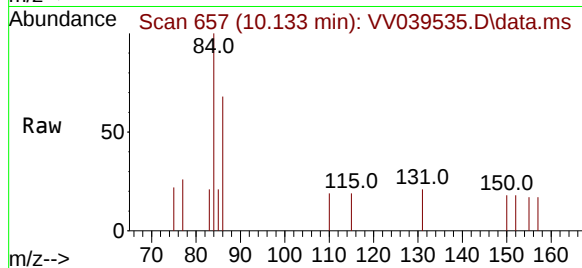
VBLK240

Tgt Ion: 84 Resp: 1427

Ion Ratio Lower Upper

84 100

86 64.2 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039535.D

Acq: 11 Dec 2025 12:04

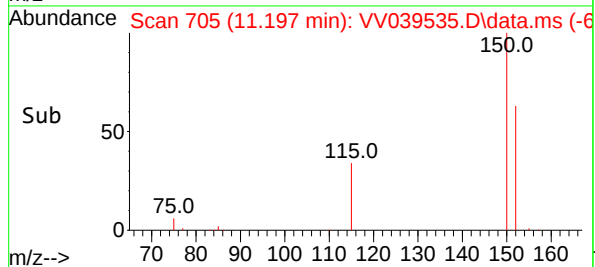
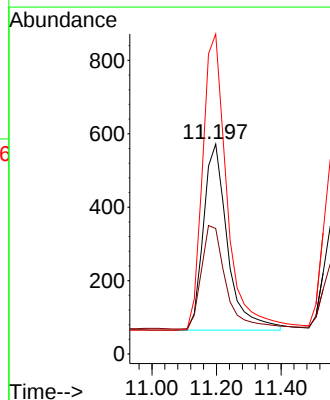
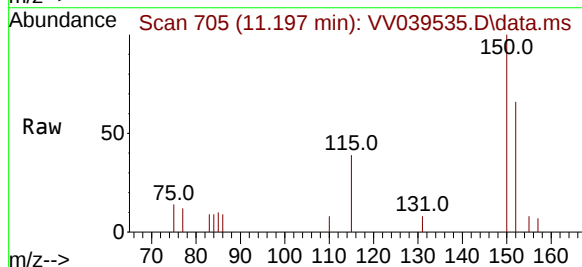
Tgt Ion: 152 Resp: 2635

Ion Ratio Lower Upper

152 100

115 56.5 0.0 101.6

150 159.5 0.0 396.2





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

Manual Integration Report

Sequence:

VV120325

Instrument

MSVOA_v

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:	VV121125	Instrument	MSVOA_v
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QCBatch ID # VV120325

Review By	John Carlone	Review On	12/4/2025 8:40:56 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:13:50 PM		
SubDirectory	VV120325	HP Acquire Method	MSVOA_V	HP Processing Method	SFAMVSIM120325MA.M
STD. NAME	STD REF.#				
Tune/Reschk	VP136558				
Initial Calibration Stds	VP136546,VP136547,VP136548,VP136549,VP136550,VP136551,				
CCC	VP136553				
Internal Standard/PEM	VP135611				
ICV/I.BLK	VP136552				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB244	VV039444.D	03 Dec 2025 09:23	SY/MD	Ok
2	VSTD0.0269	VV039445.D	03 Dec 2025 09:55	SY/MD	Ok
3	VSTD0.0570	VV039446.D	03 Dec 2025 10:32	SY/MD	Ok
4	VSTD0.171	VV039447.D	03 Dec 2025 10:58	SY/MD	Ok
5	VSTD0.572	VV039448.D	03 Dec 2025 11:25	SY/MD	Ok
6	VSTD00173	VV039449.D	03 Dec 2025 11:52	SY/MD	Ok
7	VSTD00274	VV039450.D	03 Dec 2025 12:18	SY/MD	Ok
8	VSTDICV0.5	VV039451.D	03 Dec 2025 12:56	SY/MD	Ok
9	VV1203WBL01	VV039452.D	03 Dec 2025 13:50	SY/MD	Ok
10	Q3743-05	VV039453.D	03 Dec 2025 14:42	SY/MD	Ok
11	Q3743-01	VV039454.D	03 Dec 2025 15:03	SY/MD	Ok
12	Q3743-02	VV039455.D	03 Dec 2025 15:24	SY/MD	Ok
13	VSTDCCC0.5EC	VV039456.D	03 Dec 2025 15:59	SY/MD	Ok

M : Manual Integration

Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QC Batch ID # VV121125

Review By	John Carlone	Review On	12/12/2025 1:03:16 PM
Supervise By	Maresh Dadoda	Supervise On	12/12/2025 1:24:01 PM
SubDirectory	VV121125	HP Acquire Method	SIM_V
		HP Processing Method	SFAMVSIM120325MA.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136623		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136624,VP136625 VP135611		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB250	VV039533.D	11 Dec 2025 08:07	SY/MD	Ok
2	VSTDCCC0.5	VV039534.D	11 Dec 2025 11:14	SY/MD	Ok
3	VV1211WBL01	VV039535.D	11 Dec 2025 12:04	SY/MD	Ok
4	Q3835-03	VV039536.D	11 Dec 2025 12:54	SY/MD	Ok
5	Q3835-06	VV039537.D	11 Dec 2025 13:15	SY/MD	Ok
6	Q3828-02	VV039538.D	11 Dec 2025 13:46	SY/MD	Ok
7	Q3828-04	VV039539.D	11 Dec 2025 14:08	SY/MD	Ok
8	Q3828-07	VV039540.D	11 Dec 2025 14:29	SY/MD	Ok,M
9	Q3828-09	VV039541.D	11 Dec 2025 14:50	SY/MD	Ok
10	Q3835-07	VV039542.D	11 Dec 2025 15:29	SY/MD	Ok
11	Q3828-10	VV039543.D	11 Dec 2025 15:50	SY/MD	Ok
12	VSTDCCC0.5EC	VV039544.D	11 Dec 2025 16:15	SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV120325

Review By	John Carlone	Review On	12/4/2025 8:40:56 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/5/2025 2:13:50 PM
SubDirectory	VV120325	HP Acquire Method	MSVOA_V
		HP Processing Method	SFAMVSIM120325MA.M

STD. NAME	STD REF.#
Tune/Reschk	VP136558
Initial Calibration Stds	VP136546,VP136547,VP136548,VP136549,VP136550,VP136551,
CCC	VP136553
Internal Standard/PEM	VP135611
ICV/I.BLK	VP136552
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB244	BFB244	VV039444.D	03 Dec 2025 09:23		SY/MD	Ok
2	VSTD0.0269	VSTD0.02269	VV039445.D	03 Dec 2025 09:55	added NEW-low level	SY/MD	Ok
3	VSTD0.0570	VSTD0.05270	VV039446.D	03 Dec 2025 10:32		SY/MD	Ok
4	VSTD0.171	VSTD0.1271	VV039447.D	03 Dec 2025 10:58	SFAM -sim-method	SY/MD	Ok
5	VSTD0.572	VSTD0.5272	VV039448.D	03 Dec 2025 11:25	Modified for analyte-1122-tetrachloroethane	SY/MD	Ok
6	VSTD00173	VSTD001273	VV039449.D	03 Dec 2025 11:52	pH#lot#v14222	SY/MD	Ok
7	VSTD00274	VSTD002274	VV039450.D	03 Dec 2025 12:18		SY/MD	Ok
8	VSTDICV0.5	VICV275	VV039451.D	03 Dec 2025 12:56		SY/MD	Ok
9	VV1203WBL01	VBLK234	VV039452.D	03 Dec 2025 13:50		SY/MD	Ok
10	Q3743-05	TB	VV039453.D	03 Dec 2025 14:42	pH#1.0 B,TB	SY/MD	Ok
11	Q3743-01	TW-1125-1	VV039454.D	03 Dec 2025 15:03	pH#1.0 C	SY/MD	Ok
12	Q3743-02	TW-1125-2	VV039455.D	03 Dec 2025 15:24	pH#1.0 C	SY/MD	Ok
13	VSTDCCC0.5EC	VSTD0.5332	VV039456.D	03 Dec 2025 15:59		SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV121125

Review By	John Carlone	Review On	12/12/2025 1:03:16 PM
Supervise By	Maresh Dadoda	Supervise On	12/12/2025 1:24:01 PM
SubDirectory	VV121125	HP Acquire Method	SIM_V
		HP Processing Method	SFAMVSIM120325MA.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP136623
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136624,VP136625 VP135611

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB250	BFB250	VV039533.D	11 Dec 2025 08:07		SY/MD	Ok
2	VSTDCCC0.5	VSTD0.5343	VV039534.D	11 Dec 2025 11:14	pH#lot#v14222	SY/MD	Ok
3	VV1211WBL01	VBLK240	VV039535.D	11 Dec 2025 12:04		SY/MD	Ok
4	Q3835-03	OWBR-01-170-121025	VV039536.D	11 Dec 2025 12:54	pH#1.0 A	SY/MD	Ok
5	Q3835-06	TB01-121025	VV039537.D	11 Dec 2025 13:15	pH#1.0 A ,TB	SY/MD	Ok
6	Q3828-02	BR-02-133-120925-SIM	VV039538.D	11 Dec 2025 13:46	pH#1.0 A	SY/MD	Ok
7	Q3828-04	OWBR-06-219-120925	VV039539.D	11 Dec 2025 14:08	pH#1.0 A	SY/MD	Ok
8	Q3828-07	OWBR-03-138-120925	VV039540.D	11 Dec 2025 14:29	pH#1.0 A	SY/MD	Ok,M
9	Q3828-09	TB01-120925	VV039541.D	11 Dec 2025 14:50	pH#1.0 A ,TB	SY/MD	Ok
10	Q3835-07	VHBLK001	VV039542.D	11 Dec 2025 15:29	pH#1.0 A ,SB	SY/MD	Ok
11	Q3828-10	VHBLK001	VV039543.D	11 Dec 2025 15:50	pH#1.0 A ,SB	SY/MD	Ok
12	VSTDCCC0.5EC	VSTD0.5344	VV039544.D	11 Dec 2025 16:15		SY/MD	Ok

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3835	OrderDate:	12/10/2025 4:11:00 PM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3835-03	OWBR-01-170-12102 5-SIM	Water	VOC-SIM	SFAM_VOCSI M	12/10/25		12/11/25	12/10/25
Q3835-06	TB01-121025	Water	VOC-SIM	SFAM_VOCSI M	12/10/25		12/11/25	12/10/25
Q3835-07	VHBLK001	Water	VOC-SIM	SFAM_VOCSI M	12/10/25		12/11/25	12/10/25