

Hit Summary Sheet
SW-846

SDG No.: Q3787

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW-15B-42.5-120425-SIM							
Q3787-04	MW-15B-42.5-1204	Water	Vinyl chloride	0.90		0.020	0.020	ug/L
			Total Voc :	0.90				
			Total Concentration:	0.90				



SAMPLE DATA

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: OWBR-02-170-120425-SIM
 Lab Sample ID: Q3787-08
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/04/25
 Date Received: 12/04/25
 SDG No.: Q3787
 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	12/09/25 16:03	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.60			40 - 130	120.8%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.48			70 - 130	95.4%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.43			60 - 140	86.8%	SPK: 0.5		
2037-26-5	Toluene-d8	0.49			70 - 130	98.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.57			65 - 120	115%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	6170							
540-36-3	1,4-Difluorobenzene	6150							
3855-82-1	1,4-Dichlorobenzene-d4	3300							

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: OWBR-02-170-120425-SIM
 Lab Sample ID: Q3787-10
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/04/25
 Date Received: 12/04/25
 SDG No.: Q3787
 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	12/09/25 16:24	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.65			40 - 130	129.2%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.50			70 - 130	100.4%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.46			60 - 140	91%	SPK: 0.5		
2037-26-5	Toluene-d8	0.51			70 - 130	102.4%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.59			65 - 120	118.6%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	6880							
540-36-3	1,4-Difluorobenzene	6810							
3855-82-1	1,4-Dichlorobenzene-d4	3710							

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

Report of Analysis

Client: JACOBS Engineering Group, Inc.
Project: Former Schlumberger STC PTC Site D3868221
Client Sample ID: OW-03B-51.5-120425-SIM
Lab Sample ID: Q3787-12
Analytical Method: Level:
Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/04/25
Date Received: 12/04/25
SDG No.: Q3787
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	12/09/25 16:45	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.56			40 - 130	111.8%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.45			70 - 130	90.8%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.41			60 - 140	81.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.44			70 - 130	88.6%	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	5850							
540-36-3	1,4-Difluorobenzene	5750							
3855-82-1	1,4-Dichlorobenzene-d4	3000							

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Report of Analysis

Client: JACOBS Engineering Group, Inc.
Project: Former Schlumberger STC PTC Site D3868221
Client Sample ID: OW-03B-51.5-120425-SIM-
Lab Sample ID: Q3787-14
Analytical Method: Level:
Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/04/25
Date Received: 12/04/25
SDG No.: Q3787
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	12/09/25 17:06	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.62			40 - 130	124.2%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.46			70 - 130	91.2%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.42			60 - 140	83.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.46			70 - 130	92.2%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.53			65 - 120	106%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	5870							
540-36-3	1,4-Difluorobenzene	5910							
3855-82-1	1,4-Dichlorobenzene-d4	3090							

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Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: OW-08B-72.5-120425-SIM
 Lab Sample ID: Q3787-16
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/04/25
 Date Received: 12/04/25
 SDG No.: Q3787
 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	12/09/25 17:27	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.57			40 - 130	115%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.45			70 - 130	89.2%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.42			60 - 140	84.6%	SPK: 0.5		
2037-26-5	Toluene-d8	0.47			70 - 130	94.2%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.53			65 - 120	106%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	6570							
540-36-3	1,4-Difluorobenzene	6730							
3855-82-1	1,4-Dichlorobenzene-d4	3450							

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Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: OW-08B-72.5-120425-SIM-
 Lab Sample ID: Q3787-18
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/04/25
 Date Received: 12/04/25
 SDG No.: Q3787
 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	12/09/25 17:48	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.51			40 - 130	102%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.41			70 - 130	82.8%	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	90.4%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.49			65 - 120	98.8%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	6890							
540-36-3	1,4-Difluorobenzene	7200							
3855-82-1	1,4-Dichlorobenzene-d4	3690							

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Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: OW-02B-21.2-120425-SIM
 Lab Sample ID: Q3787-20
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/04/25
 Date Received: 12/04/25
 SDG No.: Q3787
 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	12/09/25 18:09	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.54			40 - 130	108.4%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.47			70 - 130	94.2%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.45			60 - 140	89.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.50			70 - 130	100.4%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.53			65 - 120	106.8%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	5450							
540-36-3	1,4-Difluorobenzene	5440							
3855-82-1	1,4-Dichlorobenzene-d4	2890							

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

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Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: TB01-120425
 Lab Sample ID: Q3787-21
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/04/25
 Date Received: 12/04/25
 SDG No.: Q3787
 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	12/08/25 12:02	VV120825
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.55			40 - 130	109%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.43			70 - 130	86.8%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.42			60 - 140	84%	SPK: 0.5		
2037-26-5	Toluene-d8	0.47			70 - 130	93.2%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.53			65 - 120	105.6%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	6120							
540-36-3	1,4-Difluorobenzene	6540							
3855-82-1	1,4-Dichlorobenzene-d4	3130							

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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D = Dilution

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Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: VHBLK001
 Lab Sample ID: Q3787-22
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected: 12/04/25
 Date Received: 12/04/25
 SDG No.: Q3787
 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	12/10/25 10:19	VV121025
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.49			40 - 130	98%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.40			70 - 130	80%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.38			60 - 140	76%	SPK: 0.5		
2037-26-5	Toluene-d8	0.43			70 - 130	86%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.49			65 - 120	98%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	7100							
540-36-3	1,4-Difluorobenzene	7640							
3855-82-1	1,4-Dichlorobenzene-d4	3710							

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QC SUMMARY

Surrogate Summary

SDG No.: Q3787

Client: JACOBS Engineering Group, Inc.

Analytical Method: SWSFAM_VOCSIM

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3787-08	OWBR-02-170-120425-SIM	Vinyl chloride-d3	0.5	0.60	121		40	130
		1,2-Dichloroethane-d4	0.5	0.48	95		70	130
		1,2-Dichloropropane-d6	0.5	0.43	87		60	140
		Toluene-d8	0.5	0.49	99		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.57	115		65	120
Q3787-10	OWBR-02-170-120425-SIM-FD	Vinyl chloride-d3	0.5	0.65	129		40	130
		1,2-Dichloroethane-d4	0.5	0.50	100		70	130
		1,2-Dichloropropane-d6	0.5	0.46	91		60	140
		Toluene-d8	0.5	0.51	102		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.59	119		65	120
Q3787-12	OW-03B-51.5-120425-SIM	Vinyl chloride-d3	0.5	0.56	112		40	130
		1,2-Dichloroethane-d4	0.5	0.45	91		70	130
		1,2-Dichloropropane-d6	0.5	0.41	81		60	140
		Toluene-d8	0.5	0.44	89		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.52	103		65	120
Q3787-14	OW-03B-51.5-120425-SIM-FD	Vinyl chloride-d3	0.5	0.62	124		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	92		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.53	106		65	120
Q3787-16	OW-08B-72.5-120425-SIM	Vinyl chloride-d3	0.5	0.57	115		40	130
		1,2-Dichloroethane-d4	0.5	0.45	89		70	130
		1,2-Dichloropropane-d6	0.5	0.42	85		60	140
		Toluene-d8	0.5	0.47	94		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.53	106		65	120
Q3787-18	OW-08B-72.5-120425-SIM-FD	Vinyl chloride-d3	0.5	0.51	102		40	130
		1,2-Dichloroethane-d4	0.5	0.41	83		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	0.49	99		65	120
Q3787-20	OW-02B-21.2-120425-SIM	Vinyl chloride-d3	0.5	0.54	108		40	130
		1,2-Dichloroethane-d4	0.5	0.47	94		70	130
		1,2-Dichloropropane-d6	0.5	0.45	89		60	140
		Toluene-d8	0.5	0.50	100		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.53	107		65	120
Q3787-21	TB01-120425	Vinyl chloride-d3	0.5	0.55	109		40	130
		1,2-Dichloroethane-d4	0.5	0.43	87		70	130
		1,2-Dichloropropane-d6	0.5	0.42	84		60	140
		Toluene-d8	0.5	0.47	93		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.53	106		65	120
Q3787-22	VHBLK001	Vinyl chloride-d3	0.5	0.49	98		40	130
		1,2-Dichloroethane-d4	0.5	0.40	80		70	130
		1,2-Dichloropropane-d6	0.5	0.38	76		60	140
		Toluene-d8	0.5	0.43	86		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.49	98		65	120
VV1208WBL01	VBLK237	Vinyl chloride-d3	0.5	0.52	105		40	130
		1,2-Dichloroethane-d4	0.5	0.42	84		70	130
		1,2-Dichloropropane-d6	0.5	0.40	79		60	140
		Toluene-d8	0.5	0.46	92		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.51	102		65	120

Surrogate Summary

SDG No.: Q3787

Client: JACOBS Engineering Group, Inc.

Analytical Method: SWSFAM_VOCSIM

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VV1209WBL01	VBLK238	Vinyl chloride-d3	0.5	0.57	113		40	130
		1,2-Dichloroethane-d4	0.5	0.44	87		70	130
		1,2-Dichloropropane-d6	0.5	0.42	83		60	140
		Toluene-d8	0.5	0.47	95		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.51	101		65	120
VV1210WBL01	VBLK239	Vinyl chloride-d3	0.5	0.58	116		40	130
		1,2-Dichloroethane-d4	0.5	0.48	95		70	130
		1,2-Dichloropropane-d6	0.5	0.44	88		60	140
		Toluene-d8	0.5	0.50	100		70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.55	111		65	120

VOLATILE METHOD BLANK SUMMARY

Client ID

VBK237

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3787

Lab File ID: VV039487.D

Lab Sample ID: VV1208WBL01

Date Analyzed: 12/08/2025

Time Analyzed: 10:11

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
TB01-120425	Q3787-21	VV039488.D	12/08/2025

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

Client ID

VBLK238

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3787

Lab File ID: VV039502.D

Lab Sample ID: VV1209WBL01

Date Analyzed: 12/09/2025

Time Analyzed: 14:29

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-02-170-120425-SIM	Q3787-08	VV039506.D	12/09/2025
OWBR-02-170-120425-SIM-FD	Q3787-10	VV039507.D	12/09/2025
OW-03B-51.5-120425-SIM	Q3787-12	VV039508.D	12/09/2025
OW-03B-51.5-120425-SIM-FD	Q3787-14	VV039509.D	12/09/2025
OW-08B-72.5-120425-SIM	Q3787-16	VV039510.D	12/09/2025
OW-08B-72.5-120425-SIM-FD	Q3787-18	VV039511.D	12/09/2025
OW-02B-21.2-120425-SIM	Q3787-20	VV039512.D	12/09/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VBLK239

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3787

Lab File ID: VV039518.D

Lab Sample ID: VV1210WBL01

Date Analyzed: 12/10/2025

Time Analyzed: 09:36

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
VHBLK001	Q3787-22	VV039519.D	12/10/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3787

Lab File ID: VV039444.D

BFB Injection Date: 12/03/2025

Instrument ID: MSVOA_V

BFB Injection Time: 09:23

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	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

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3787

Lab File ID: VV039485.D

BFB Injection Date: 12/08/2025

Instrument ID: MSVOA_V

BFB Injection Time: 08:14

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	18.1
75	30.0 - 60.0% of mass 95	49.5
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	1.6 (1.7) 1
174	50.0 - 100.0% of mass 95	91.9
175	5.0 - 9.0% of mass 174	7 (7.7) 1
176	95.0 - 101.0% of mass 174	88.2 (96) 1
177	5.0 - 9.0% of mass 176	5.8 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD0.5337	VSTDCCC0.5	VV039486.D	12/08/2025	09:00
VBLK237	VV1208WBL01	VV039487.D	12/08/2025	10:11
TB01-120425	Q3787-21	VV039488.D	12/08/2025	12:02
VSTD0.5338	VSTDCCC0.5EC	VV039499.D	12/08/2025	17:27

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3787

Lab File ID: VV039500.D

BFB Injection Date: 12/09/2025

Instrument ID: MSVOA_V

BFB Injection Time: 12:56

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	19.7
75	30.0 - 60.0% of mass 95	51.3
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	95
175	5.0 - 9.0% of mass 174	7.4 (7.8) 1
176	95.0 - 101.0% of mass 174	93 (97.8) 1
177	5.0 - 9.0% of mass 176	6.5 (7) 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
VSTD0.5339	VSTDCCC0.5	VV039501.D	12/09/2025	13:58
VBLK238	VV1209WBL01	VV039502.D	12/09/2025	14:29
OWBR-02-170-120425-SIM	Q3787-08	VV039506.D	12/09/2025	16:03
OWBR-02-170-120425-SIM-FD	Q3787-10	VV039507.D	12/09/2025	16:24
OW-03B-51.5-120425-SIM	Q3787-12	VV039508.D	12/09/2025	16:45
OW-03B-51.5-120425-SIM-FD	Q3787-14	VV039509.D	12/09/2025	17:06
OW-08B-72.5-120425-SIM	Q3787-16	VV039510.D	12/09/2025	17:27
OW-08B-72.5-120425-SIM-FD	Q3787-18	VV039511.D	12/09/2025	17:48
OW-02B-21.2-120425-SIM	Q3787-20	VV039512.D	12/09/2025	18:09
VSTD0.5340	VSTDCCC0.5EC	VV039515.D	12/09/2025	19:12

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VV039516.D
Instrument ID: MSVOA_V
GC Column: DB-624UI ID: 0.18 (mm)

Contract: JACO05
SDG NO.: Q3787
BFB Injection Date: 12/10/2025
BFB Injection Time: 08:29
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	49.6
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	1.6 (1.7) 1
174	50.0 - 100.0% of mass 95	94.9
175	5.0 - 9.0% of mass 174	7.2 (7.6) 1
176	95.0 - 101.0% of mass 174	90.7 (95.5) 1
177	5.0 - 9.0% of mass 176	6 (6.7) 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
VSTD0.5341	VSTDCCC0.5	VV039517.D	12/10/2025	09:10
VBLK239	VV1210WBL01	VV039518.D	12/10/2025	09:36
VHBLK001	Q3787-22	VV039519.D	12/10/2025	10:19
VSTD0.5342	VSTDCCC0.5EC	VV039532.D	12/10/2025	15:47

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005
 Lab Code: ACE SDG NO.: Q3787
 Lab File ID: VV039486.D Date Analyzed: 12/08/2025
 Instrument ID: MSVOA_V Time Analyzed: 09:00
 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	6968	5.57	7021	8.79	3931	11.18
UPPER LIMIT	13936	5.736	14042	8.955	7862	11.345
LOWER LIMIT	3484	5.396	3510.5	8.615	1965.5	11.005
EPA SAMPLE NO.						
TB01-120425	6543	5.57	6120	8.79	3130	11.20
VBLK237	7024	5.57	6420	8.79	3401	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05
Lab Code: ACE SDG NO.: Q3787
Lab File ID: VV039501.D Date Analyzed: 12/09/2025
Instrument ID: MSVOA_V Time Analyzed: 13:58
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	7231	5.57	7043	8.79	3954	11.18
UPPER LIMIT	14462	5.736	14086	8.955	7908	11.345
LOWER LIMIT	3615.5	5.396	3521.5	8.615	1977	11.005
EPA SAMPLE NO.						
OWBR-02-170-120425-SIM	6146	5.57	6167	8.80	3302	11.18
OWBR-02-170-120425-SIM-FD	6812	5.57	6882	8.80	3706	11.18
OW-03B-51.5-120425-SIM	5747	5.57	5849	8.80	3001	11.20
OW-03B-51.5-120425-SIM-FD	5914	5.57	5873	8.80	3089	11.20
OW-08B-72.5-120425-SIM	6729	5.57	6569	8.80	3453	11.20
OW-08B-72.5-120425-SIM-FD	7201	5.57	6889	8.79	3685	11.20
OW-02B-21.2-120425-SIM	5439	5.57	5451	8.80	2889	11.20
VBLK238	6387	5.57	5976	8.80	3086	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JAC005
 Lab Code: ACE SDG NO.: Q3787
 Lab File ID: VV039517.D Date Analyzed: 12/10/2025
 Instrument ID: MSVOA_V Time Analyzed: 09:10
 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	6796	5.57	6633	8.79	3778	11.18
UPPER LIMIT	13592	5.736	13266	8.955	7556	11.345
LOWER LIMIT	3398	5.396	3316.5	8.615	1889	11.005
EPA SAMPLE NO.						
VHBLK001	7644	5.57	7099	8.79	3705	11.20
VBLK239	5966	5.57	5775	8.80	2945	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: VBLK237
 Lab Sample ID: VV1208WBL01
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected:
 Date Received:
 SDG No.: Q3787
 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	12/08/25 10:11	VV120825
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.52			40 - 130	104.8%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.42			70 - 130	83.8%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.40			60 - 140	79.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.46			70 - 130	91.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.51			65 - 120	101.6%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	6420							
540-36-3	1,4-Difluorobenzene	7020							
3855-82-1	1,4-Dichlorobenzene-d4	3400							

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: VBLK238
 Lab Sample ID: VV1209WBL01
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected:
 Date Received:
 SDG No.: Q3787
 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	12/09/25 14:29	VV120925
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.57			40 - 130	113.2%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.44			70 - 130	87%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.42			60 - 140	83%	SPK: 0.5		
2037-26-5	Toluene-d8	0.47			70 - 130	94.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.51			65 - 120	101.2%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	5980							
540-36-3	1,4-Difluorobenzene	6390							
3855-82-1	1,4-Dichlorobenzene-d4	3090							

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: VBLK239
 Lab Sample ID: VV1210WBL01
 Analytical Method: Level:
 Sample Wt/Vol: 25 mL Final Vol: 25000 uL

Date Collected:
 Date Received:
 SDG No.: Q3787
 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	12/10/25 09:36	VV121025
SURROGATES									
6745-35-3	Vinyl Chloride-d3	0.58			40 - 130	116.4%	SPK: 0.5		
17060-07-0	1,2-Dichloroethane-d4	0.48			70 - 130	95%	SPK: 0.5		
93952-08-0	1,2-Dichloropropane-d6	0.44			60 - 140	88.2%	SPK: 0.5		
2037-26-5	Toluene-d8	0.50			70 - 130	99.6%	SPK: 0.5		
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.55			65 - 120	110.8%	SPK: 0.5		
INTERNAL STANDARDS									
		Area Count							
3114-55-4	Chlorobenzene-d5	5780							
540-36-3	1,4-Difluorobenzene	5970							
3855-82-1	1,4-Dichlorobenzene-d4	2950							

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>Q3787</u>
Instrument ID: <u>MSVOA_V</u>	Calibration Date(s): <u>12/03/2025</u> <u>12/03/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>09:55</u> <u>12:18</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (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>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3787</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>12/08/2025</u> <u>09:00</u>
Lab File ID:	<u>VV039486.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	1.090	0.01	0.8	30
Vinyl Chloride-d3	0.491	0.509	0.01	3.6	30
1,2-Dichloroethane-d4	0.333	0.316	0.01	-5	25
1,2-Dichloropropane-d6	0.422	0.435	0.1	3.2	20
Toluene-d8	0.712	0.682	0.2	-4.2	20
1,1,2,2-Tetrachloroethane-d2	0.238	0.247	0.01	3.9	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>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3787</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>12/08/2025 17:27</u>
Lab File ID:	<u>VV039499.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	1.098	0.01	1.5	50
Vinyl Chloride-d3	0.491	0.535	0.01	8.9	50
1,2-Dichloroethane-d4	0.333	0.324	0.01	-2.7	50
1,2-Dichloropropane-d6	0.422	0.439	0.1	4	50
Toluene-d8	0.712	0.685	0.2	-3.7	50
1,1,2,2-Tetrachloroethane-d2	0.238	0.262	0.01	10.4	50

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>Q3787</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>12/09/2025 13:58</u>
Lab File ID:	<u>VV039501.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	0.964	0.01	-10.9	30
Vinyl Chloride-d3	0.491	0.543	0.01	10.5	30
1,2-Dichloroethane-d4	0.333	0.310	0.01	-7	25
1,2-Dichloropropane-d6	0.422	0.429	0.1	1.6	20
Toluene-d8	0.712	0.699	0.2	-1.7	20
1,1,2,2-Tetrachloroethane-d2	0.238	0.243	0.01	2.1	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>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3787</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>12/09/2025 19:12</u>
Lab File ID:	<u>VV039515.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	1.118	0.01	3.3	50
Vinyl Chloride-d3	0.491	0.568	0.01	15.6	50
1,2-Dichloroethane-d4	0.333	0.332	0.01	-0.2	50
1,2-Dichloropropane-d6	0.422	0.451	0.1	7	50
Toluene-d8	0.712	0.694	0.2	-2.4	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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3787</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>12/10/2025</u> <u>09:10</u>
Lab File ID:	<u>VV039517.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	1.050	0.01	-3	30
Vinyl Chloride-d3	0.491	0.515	0.01	4.9	30
1,2-Dichloroethane-d4	0.333	0.316	0.01	-5.2	25
1,2-Dichloropropane-d6	0.422	0.449	0.1	6.4	20
Toluene-d8	0.712	0.694	0.2	-2.5	20
1,1,2,2-Tetrachloroethane-d2	0.238	0.250	0.01	5.1	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>JAC005</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3787</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>12/10/2025 15:47</u>
Lab File ID:	<u>VV039532.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	1.038	0.01	-4.1	50
Vinyl Chloride-d3	0.491	0.483	0.01	-1.6	50
1,2-Dichloroethane-d4	0.333	0.322	0.01	-3.2	50
1,2-Dichloropropane-d6	0.422	0.413	0.1	-2.2	50
Toluene-d8	0.712	0.671	0.2	-5.7	50
1,1,2,2-Tetrachloroethane-d2	0.238	0.241	0.01	1.2	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\VV120925\
Data File : VV039506.D
Acq On : 09 Dec 2025 16:03
Operator : SY/MD
Sample : Q3787-08
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 10 01:17:13 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	6146	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6167	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.175	152	3302	0.500	ug/L	0.00

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	3646	0.604	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	120.000%
4) 1,2-Dichloroethane-d4	4.994	65	1954	0.477	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	96.000%
7) 1,2-Dichloropropane-d6	5.996	67	2259	0.434	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	86.000%
8) Toluene-d8	7.254	98	4324	0.493	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	98.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1687	0.575	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	116.000%

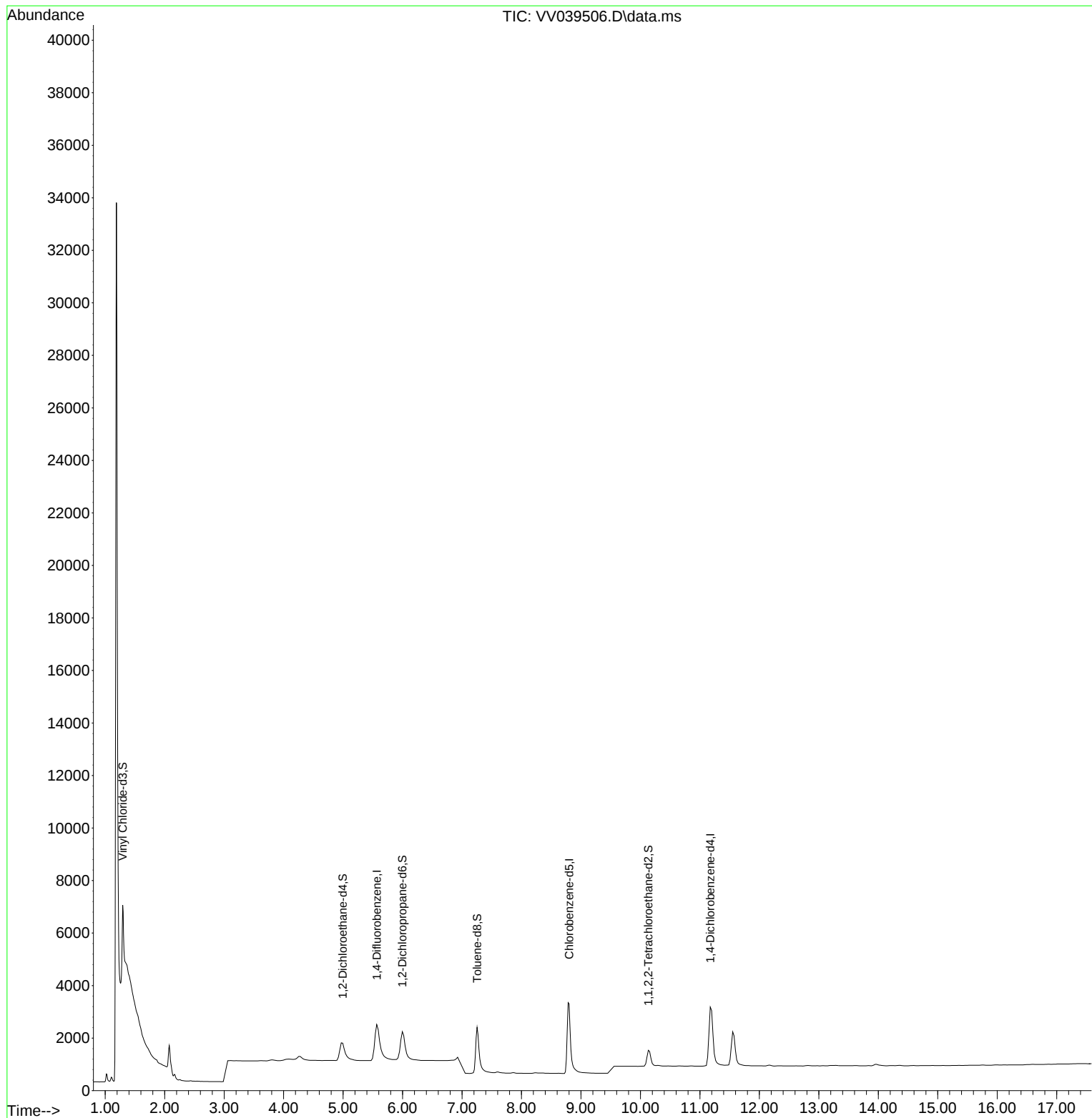
Target Compounds	Qvalue

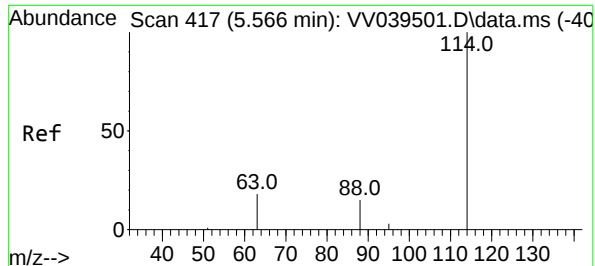
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039506.D
Acq On : 09 Dec 2025 16:03
Operator : SY/MD
Sample : Q3787-08
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM

Quant Time: Dec 10 01:17:13 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

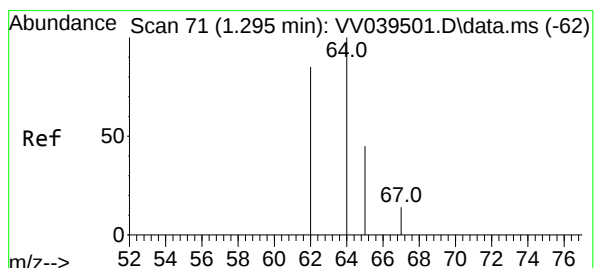
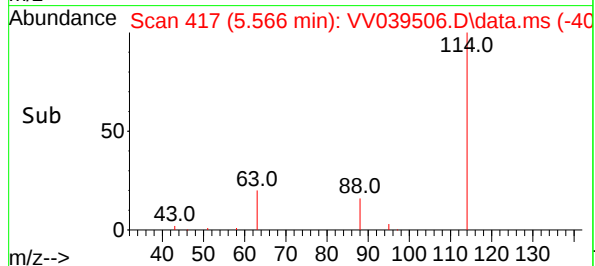
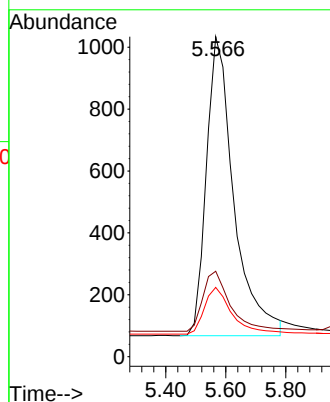
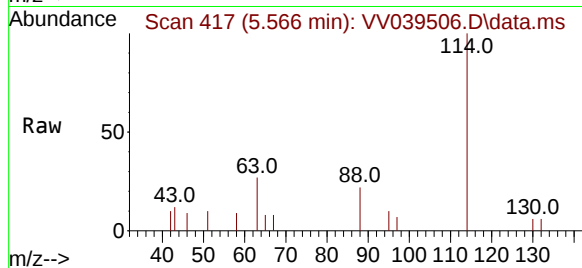




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039506.D
Acq: 09 Dec 2025 16:03

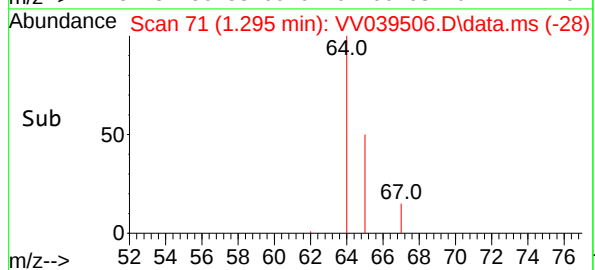
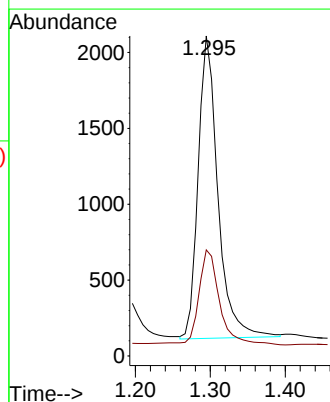
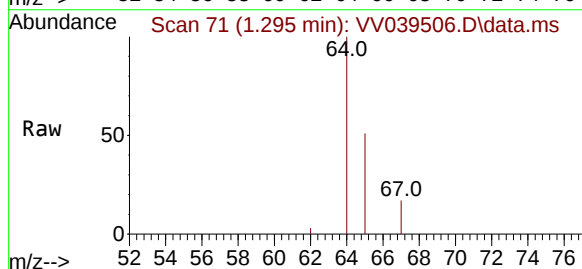
Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM

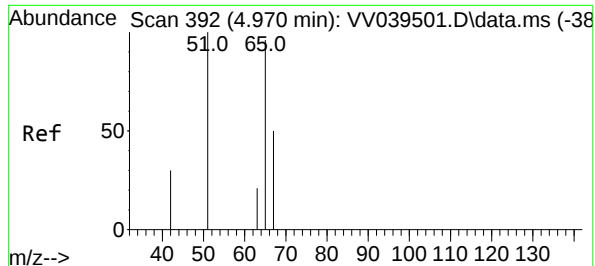
Tgt Ion:	114	Resp:	6146
Ion	Ratio	Lower	Upper
114	100		
63	20.1	15.0	22.4
88	15.6	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.604 ug/L
RT: 1.295 min Scan# 71
Delta R.T. 0.001 min
Lab File: VV039506.D
Acq: 09 Dec 2025 16:03

Tgt Ion:	65	Resp:	3646
Ion	Ratio	Lower	Upper
65	100		
67	33.6	22.3	41.5

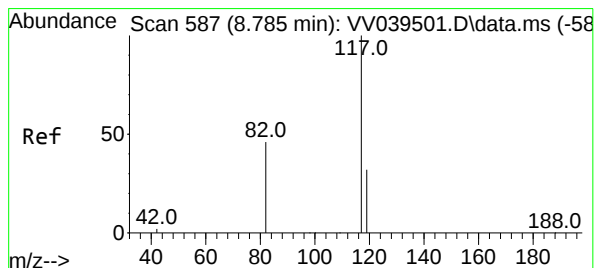
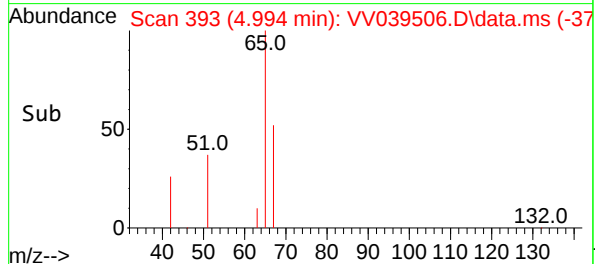
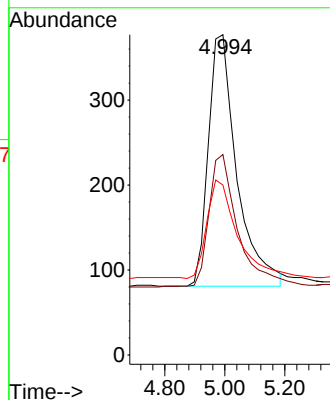
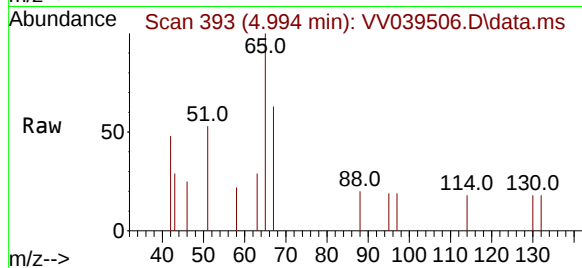




#4
1,2-Dichloroethane-d4
Concen: 0.477 ug/L
RT: 4.994 min Scan# 393
Delta R.T. 0.025 min
Lab File: VV039506.D
Acq: 09 Dec 2025 16:03

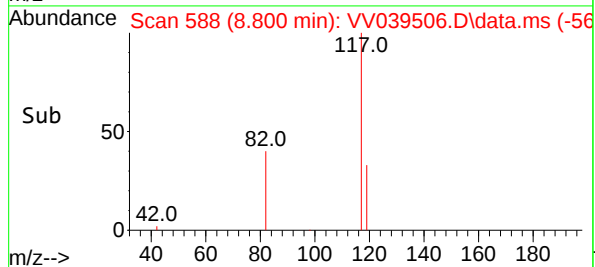
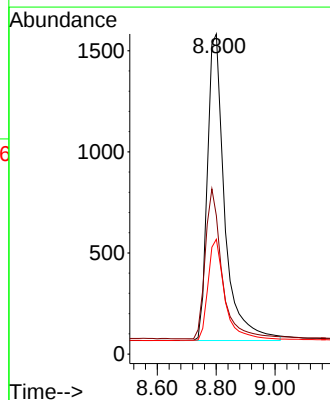
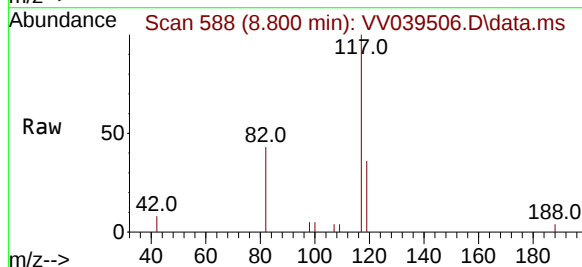
Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM

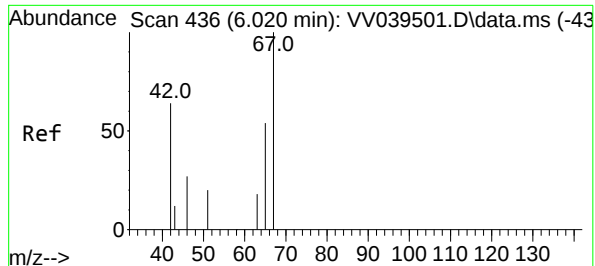
Tgt Ion: 65 Resp: 1954
Ion Ratio Lower Upper
65 100
67 53.1 32.5 60.3
51 40.8 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039506.D
Acq: 09 Dec 2025 16:03

Tgt Ion: 117 Resp: 6167
Ion Ratio Lower Upper
117 100
82 47.6 39.4 59.2
119 32.5 26.2 39.2





#7

1,2-Dichloropropane-d6

Concen: 0.434 ug/L

RT: 5.996 min Scan# 41

Delta R.T. -0.023 min

Lab File: VV039506.D

Acq: 09 Dec 2025 16:03

Instrument :

MSVOA_V

ClientSampleId :

OWBR-02-170-120425-SIM

Tgt Ion: 67 Resp: 2259

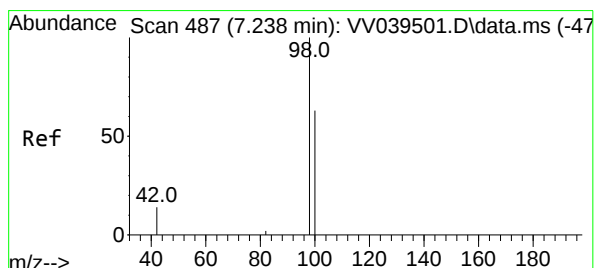
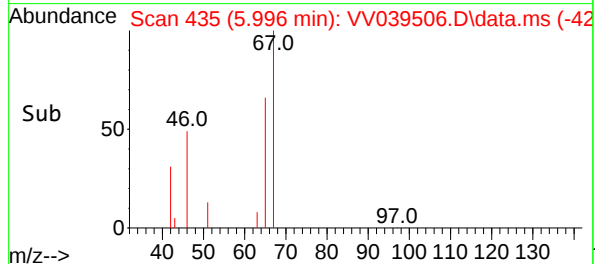
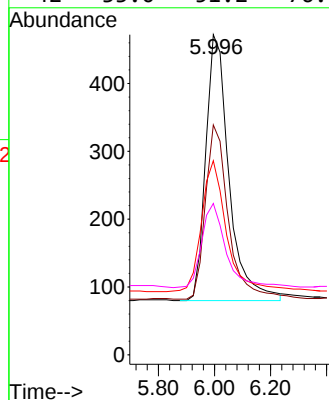
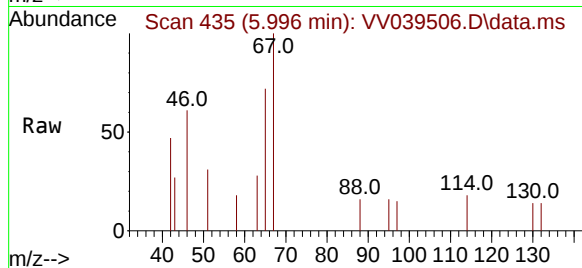
Ion Ratio Lower Upper

67 100

65 64.8 37.9 56.9#

46 53.0 27.4 41.0#

42 33.0 51.2 76.8#



#8

Toluene-d8

Concen: 0.493 ug/L

RT: 7.254 min Scan# 488

Delta R.T. 0.016 min

Lab File: VV039506.D

Acq: 09 Dec 2025 16:03

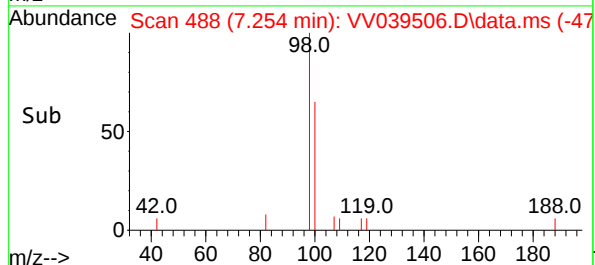
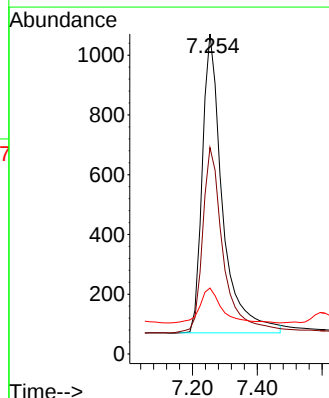
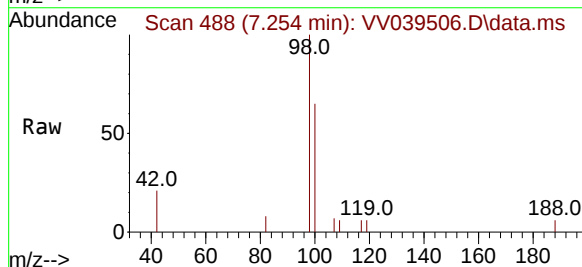
Tgt Ion: 98 Resp: 4324

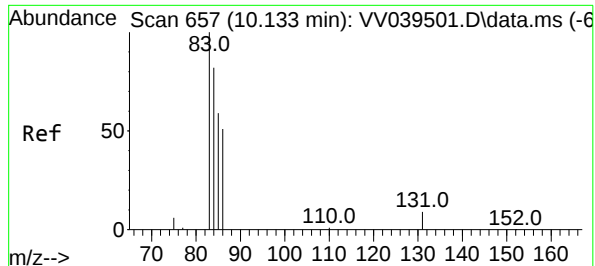
Ion Ratio Lower Upper

98 100

100 63.0 44.5 82.7

42 12.5 10.1 18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.575 ug/L

RT: 10.133 min Scan# 657

Delta R.T. -0.000 min

Lab File: VV039506.D

Acq: 09 Dec 2025 16:03

Instrument :

MSVOA_V

ClientSampleId :

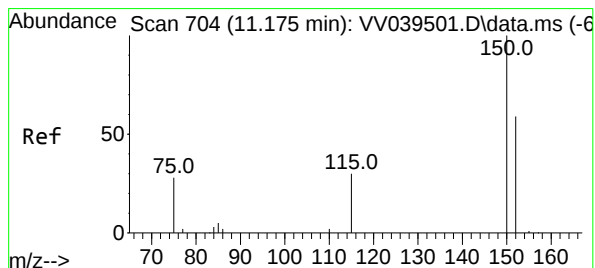
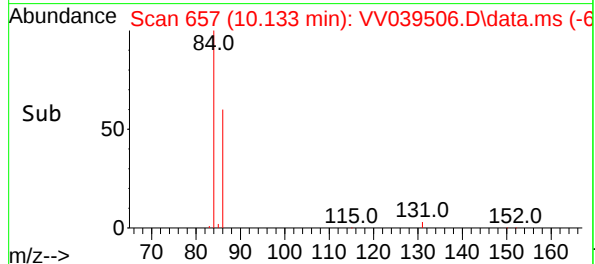
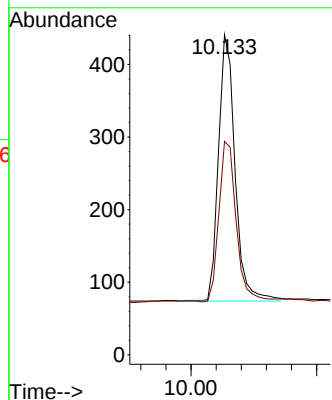
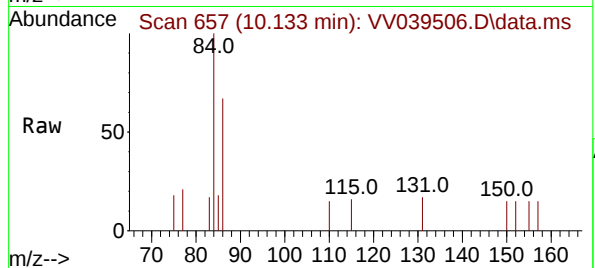
OWBR-02-170-120425-SIM

Tgt Ion: 84 Resp: 1687

Ion Ratio Lower Upper

84 100

86 63.1 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: VV039506.D

Acq: 09 Dec 2025 16:03

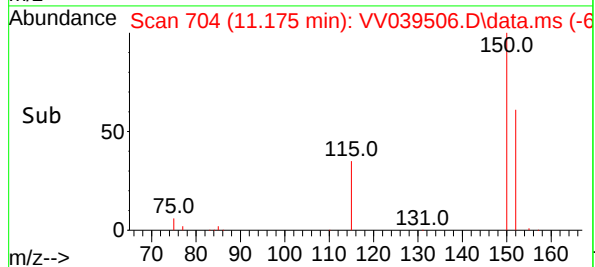
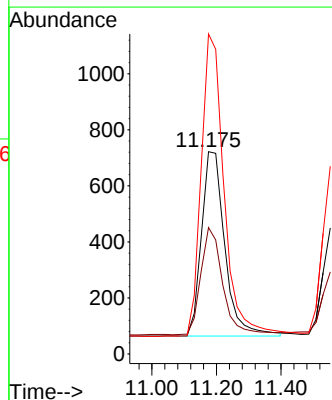
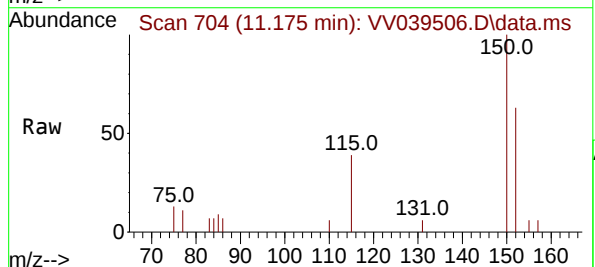
Tgt Ion: 152 Resp: 3302

Ion Ratio Lower Upper

152 100

115 54.6 0.0 101.6

150 160.5 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039507.D
Acq On : 09 Dec 2025 16:24
Operator : SY/MD
Sample : Q3787-10
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM-FD

A
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J

Quant Time: Dec 10 01:17:25 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	6812	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6882	0.500	ug/L	0.01
12) 1,4-Dichlorobenzene-d4	11.175	152	3706	0.500	ug/L	0.00

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	4318	0.646	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	130.000%
4) 1,2-Dichloroethane-d4	4.993	65	2276	0.502	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	100.000%
7) 1,2-Dichloropropane-d6	5.995	67	2643	0.455	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	92.000%
8) Toluene-d8	7.253	98	5014	0.512	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	102.000%
10) 1,1,2,2-Tetrachloroeth...	10.132	84	1940	0.593	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	118.000%

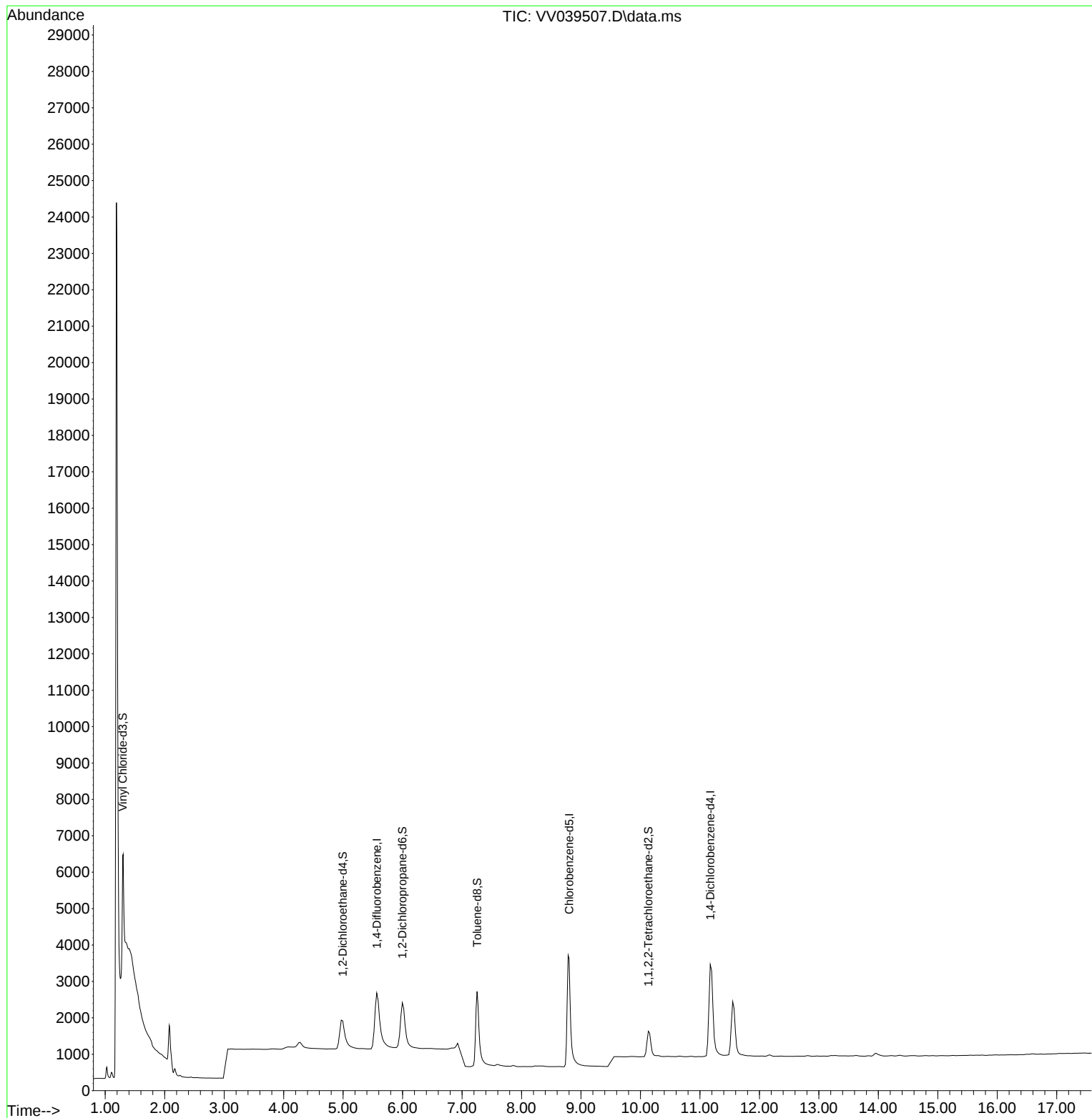
Target Compounds	Qvalue

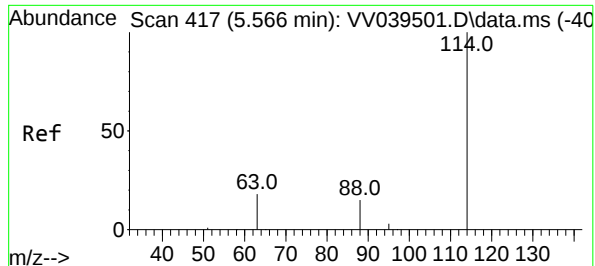
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039507.D
Acq On : 09 Dec 2025 16:24
Operator : SY/MD
Sample : Q3787-10
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM-FD

Quant Time: Dec 10 01:17:25 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

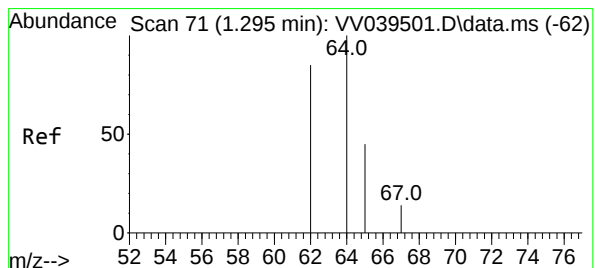
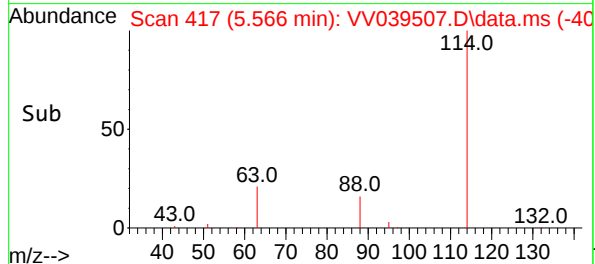
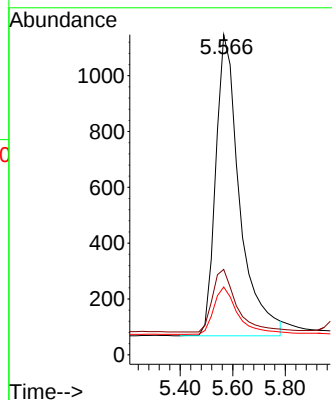
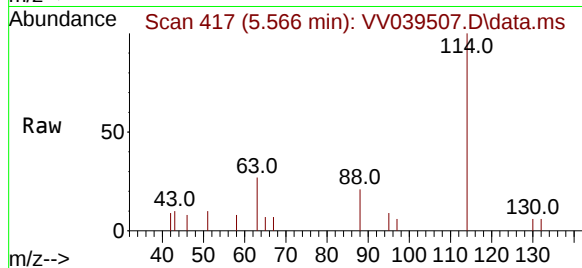




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

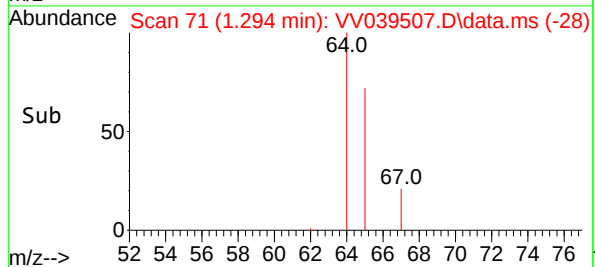
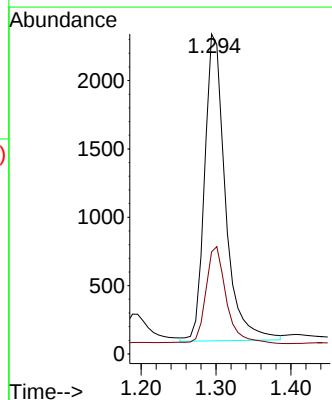
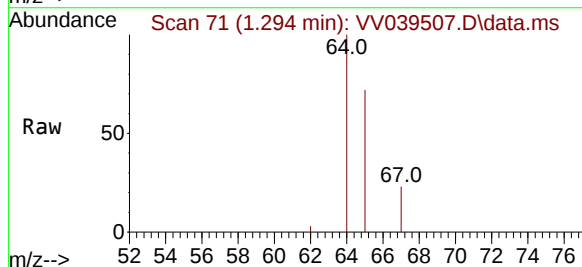
Instrument : MSVOA_V
ClientSampleId : OWBR-02-170-120425-SIM-FD

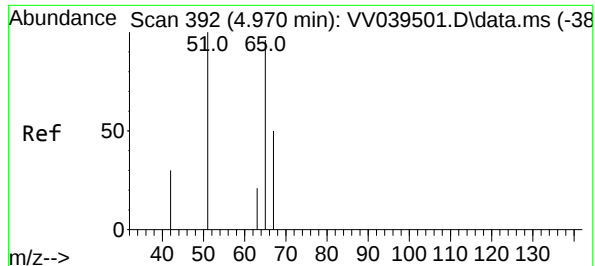
Tgt Ion:	114	Resp:	6812
Ion	Ratio	Lower	Upper
114	100		
63	20.7	15.0	22.4
88	15.9	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.646 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

Tgt Ion:	65	Resp:	4318
Ion	Ratio	Lower	Upper
65	100		
67	31.5	22.3	41.5

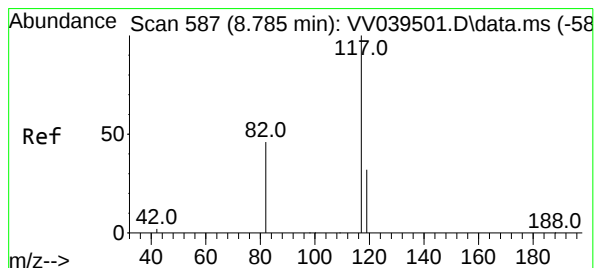
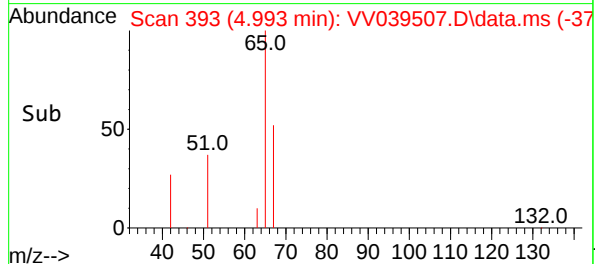
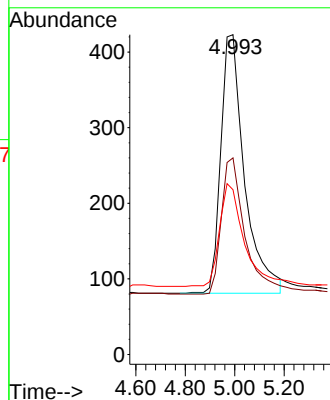
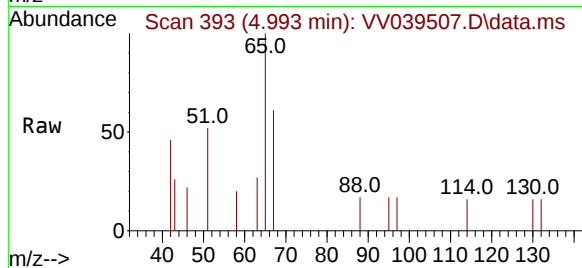




#4
1,2-Dichloroethane-d4
Concen: 0.502 ug/L
RT: 4.993 min Scan# 392
Delta R.T. 0.024 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

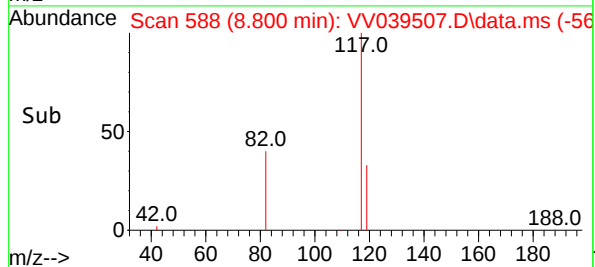
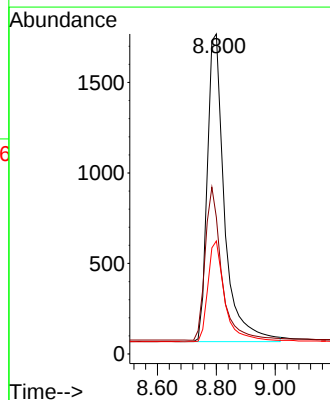
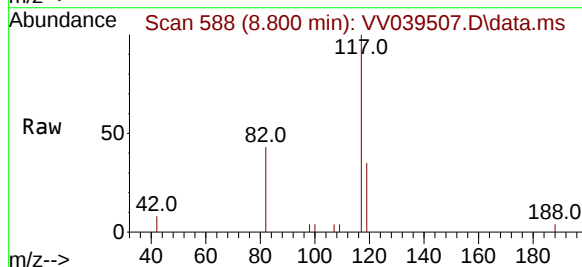
Instrument : MSVOA_V
ClientSampleId : OWBR-02-170-120425-SIM-FD

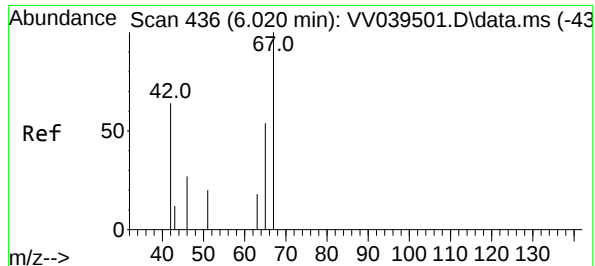
Tgt Ion: 65 Resp: 2276
Ion Ratio Lower Upper
65 100
67 52.1 32.5 60.3
51 40.9 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

Tgt Ion: 117 Resp: 6882
Ion Ratio Lower Upper
117 100
82 47.8 39.4 59.2
119 32.7 26.2 39.2

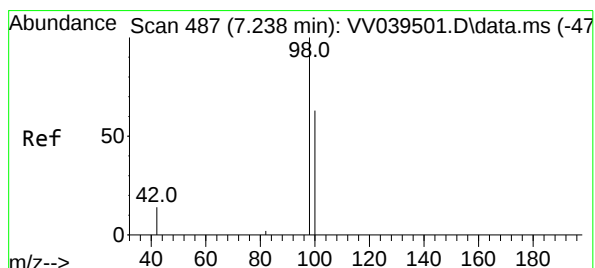
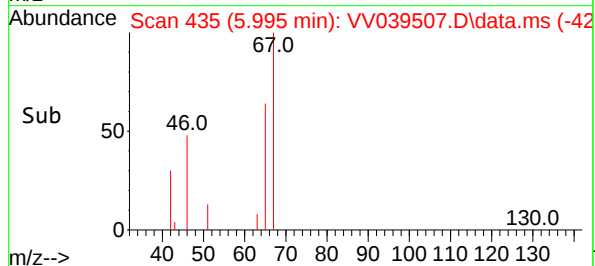
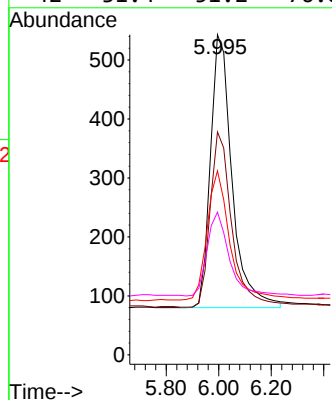
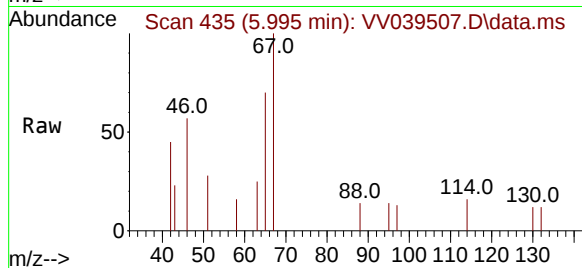




#7
1,2-Dichloropropane-d6
Concen: 0.455 ug/L
RT: 5.995 min Scan# 41
Delta R.T. -0.024 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

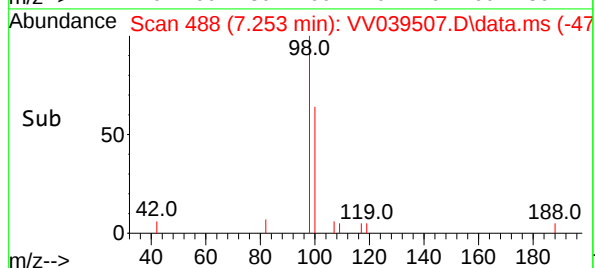
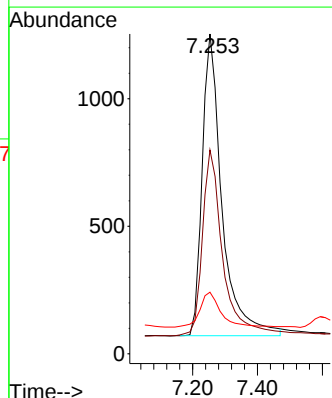
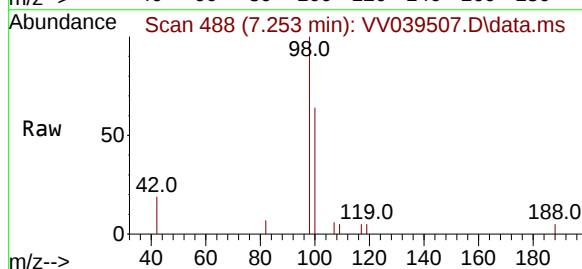
Instrument :
MSVOA_V
ClientSampleId :
OWBR-02-170-120425-SIM-FD

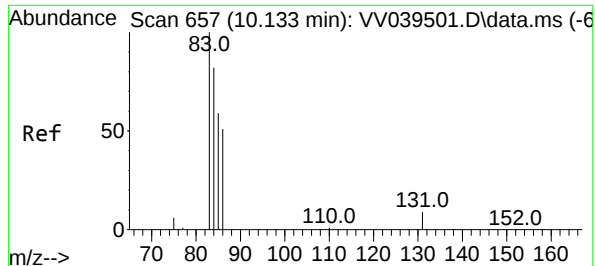
Tgt Ion:	67	Resp:	2643
Ion	Ratio	Lower	Upper
67	100		
65	64.5	37.9	56.9#
46	49.7	27.4	41.0#
42	31.4	51.2	76.8#



#8
Toluene-d8
Concen: 0.512 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039507.D
Acq: 09 Dec 2025 16:24

Tgt Ion:	98	Resp:	5014
Ion	Ratio	Lower	Upper
98	100		
100	63.1	44.5	82.7
42	12.2	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.593 ug/L

RT: 10.132 min Scan# 6

Delta R.T. -0.001 min

Lab File: VV039507.D

Acq: 09 Dec 2025 16:24

Instrument :

MSVOA_V

ClientSampleId :

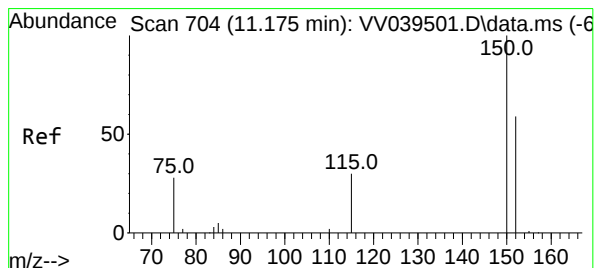
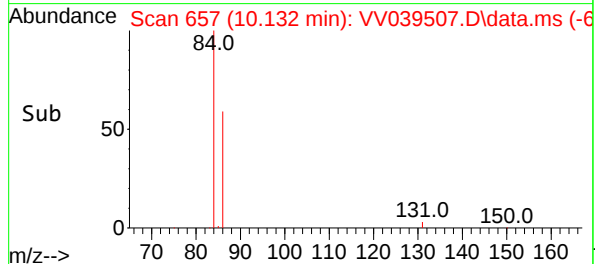
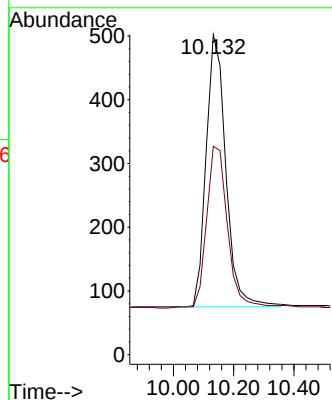
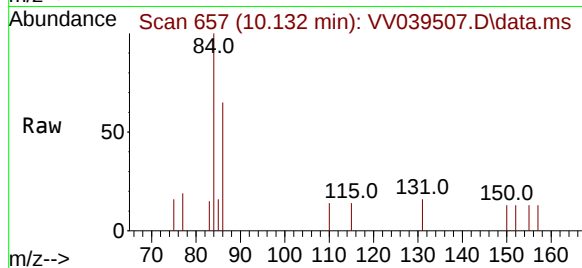
OWBR-02-170-120425-SIM-FD

Tgt Ion: 84 Resp: 1940

Ion Ratio Lower Upper

84 100

86 63.5 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: VV039507.D

Acq: 09 Dec 2025 16:24

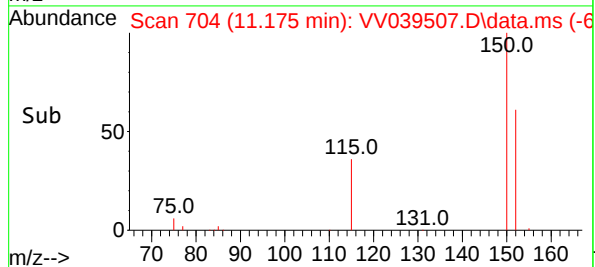
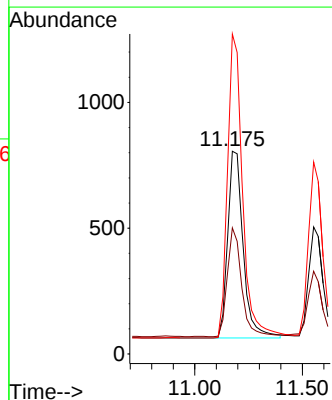
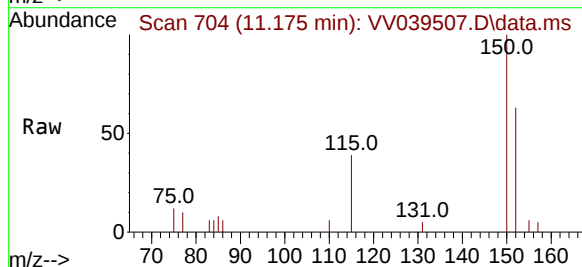
Tgt Ion:152 Resp: 3706

Ion Ratio Lower Upper

152 100

115 54.1 0.0 101.6

150 157.9 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039508.D
Acq On : 09 Dec 2025 16:45
Operator : SY/MD
Sample : Q3787-12
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 10 01:17:36 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	5747	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5849	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3001	0.500	ug/L	0.02

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3153	0.559	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	112.000%
4) 1,2-Dichloroethane-d4	4.993	65	1739	0.454	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	90.000%
7) 1,2-Dichloropropane-d6	5.995	67	2006	0.406	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	82.000%
8) Toluene-d8	7.253	98	3685	0.443	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	88.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1439	0.517	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	104.000%

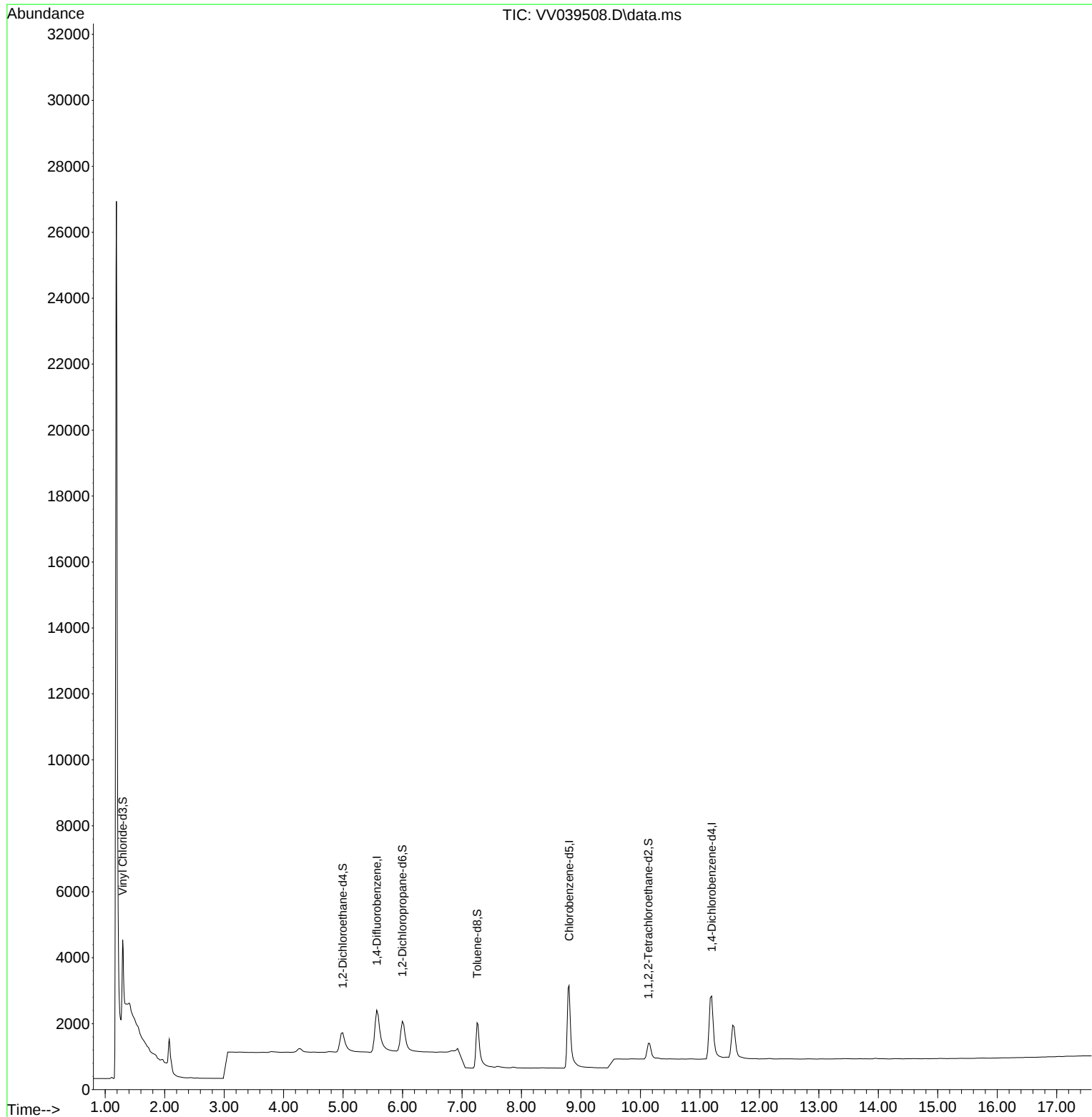
Target Compounds	Qvalue

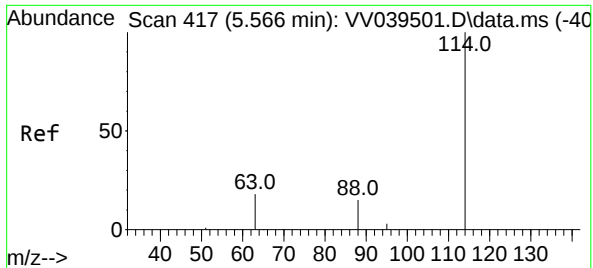
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039508.D
Acq On : 09 Dec 2025 16:45
Operator : SY/MD
Sample : Q3787-12
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM

Quant Time: Dec 10 01:17:36 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

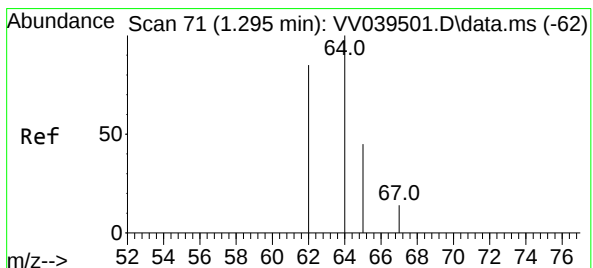
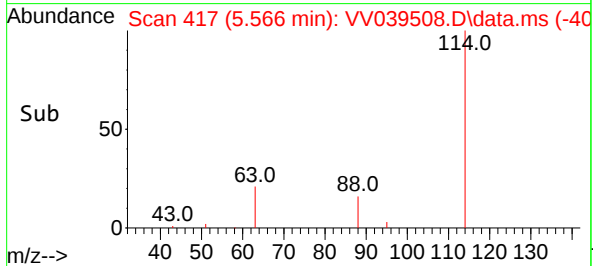
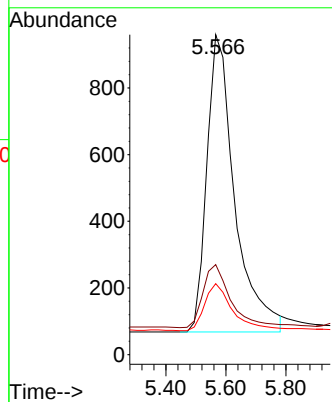
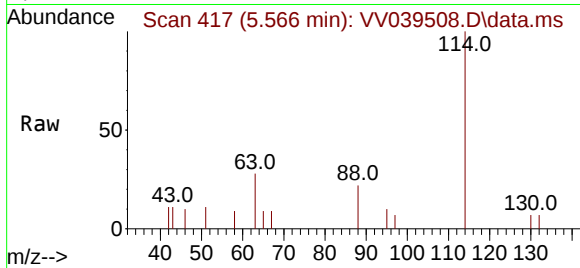




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

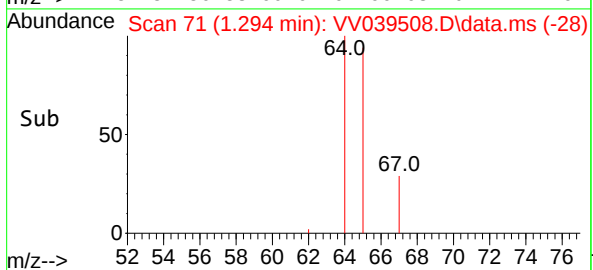
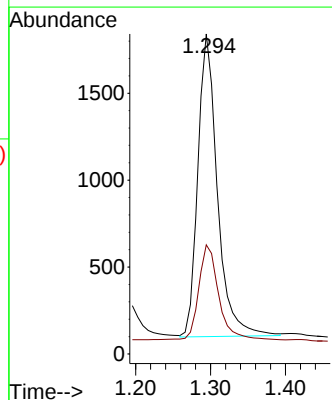
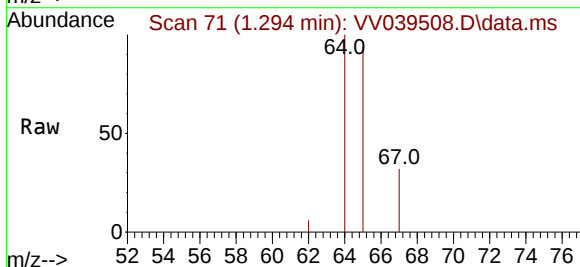
Instrument : MSVOA_V
ClientSampleId : OW-03B-51.5-120425-SIM

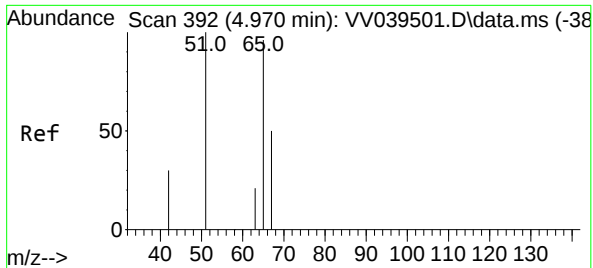
Tgt Ion:	114	Resp:	5747
Ion	Ratio	Lower	Upper
114	100		
63	21.1	15.0	22.4
88	15.9	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.559 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

Tgt Ion:	65	Resp:	3153
Ion	Ratio	Lower	Upper
65	100		
67	33.0	22.3	41.5

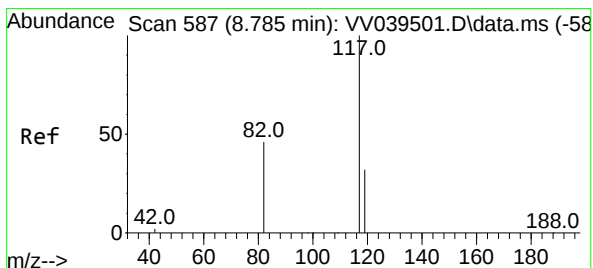
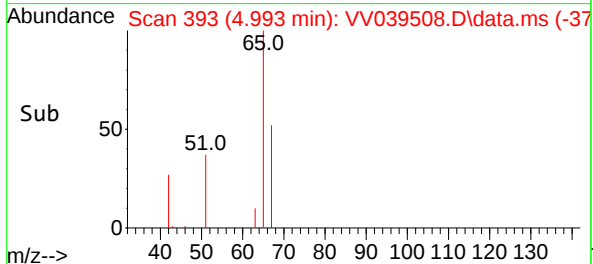
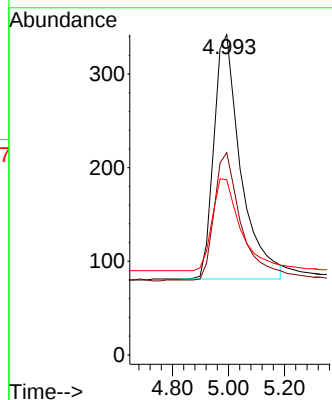
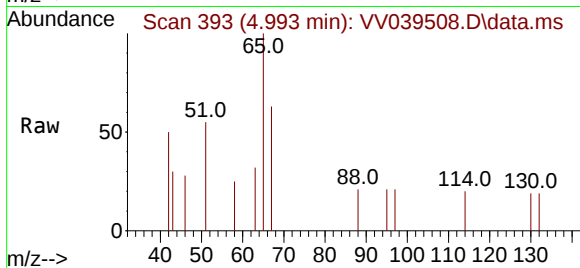




#4
1,2-Dichloroethane-d4
Concen: 0.454 ug/L
RT: 4.993 min Scan# 393
Delta R.T. 0.024 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

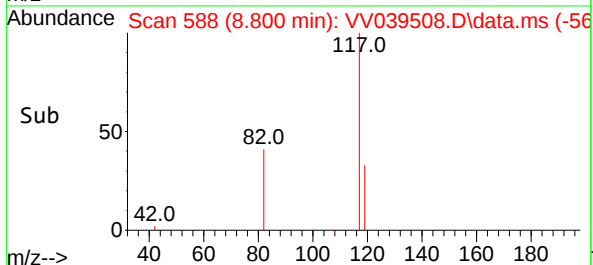
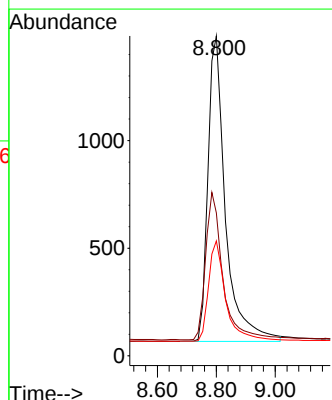
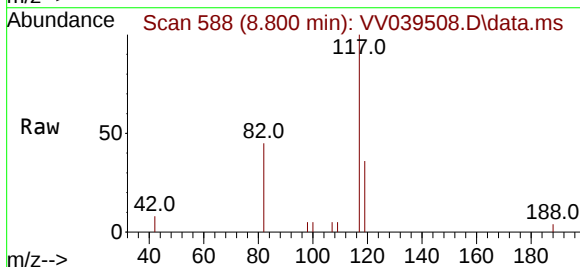
Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM

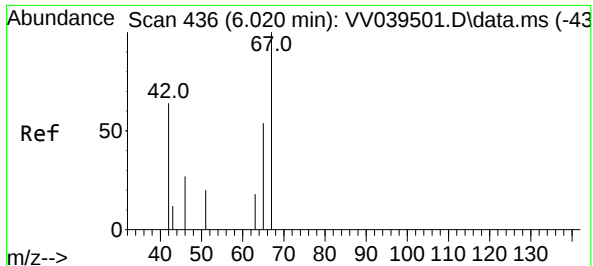
Tgt Ion: 65 Resp: 1739
Ion Ratio Lower Upper
65 100
67 52.1 32.5 60.3
51 39.7 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

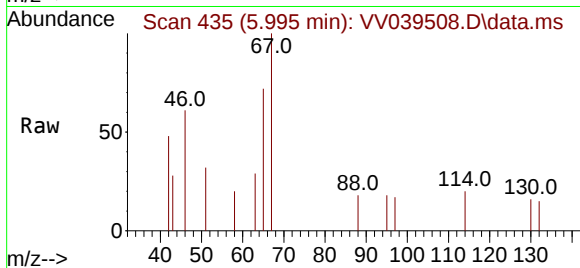
Tgt Ion: 117 Resp: 5849
Ion Ratio Lower Upper
117 100
82 47.6 39.4 59.2
119 32.4 26.2 39.2





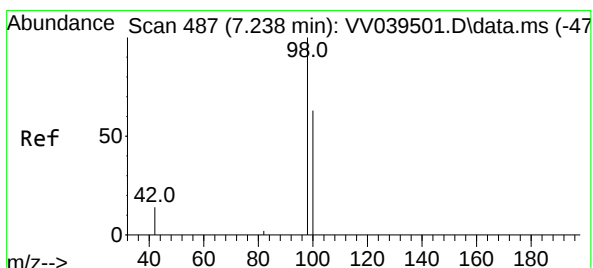
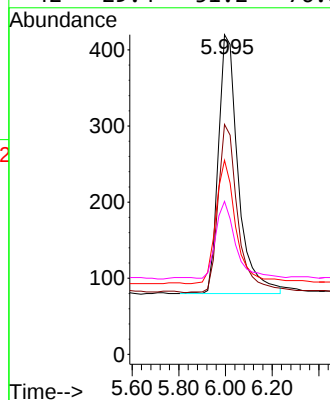
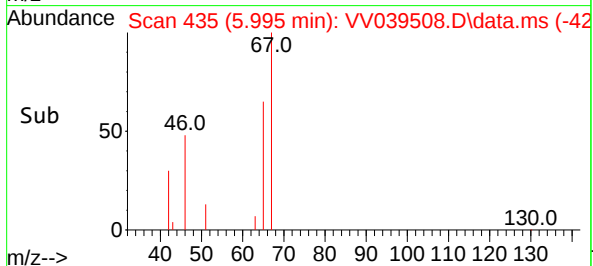
#7
1,2-Dichloropropane-d6
Concen: 0.406 ug/L
RT: 5.995 min Scan# 41
Delta R.T. -0.024 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM



Tgt Ion: 67 Resp: 2006

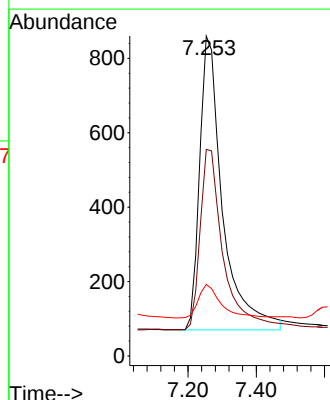
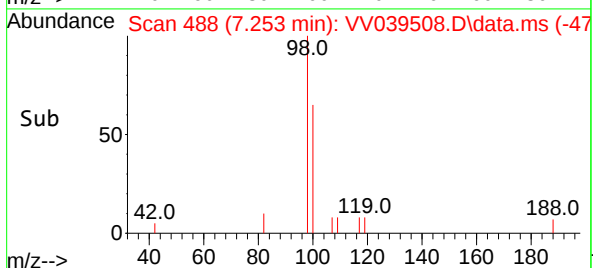
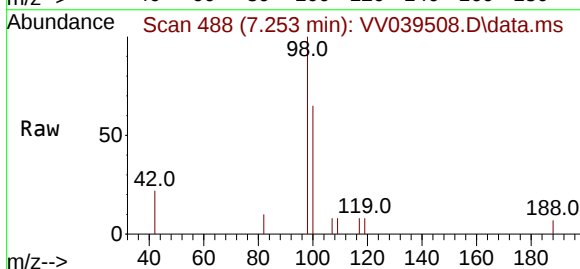
Ion	Ratio	Lower	Upper
67	100		
65	64.7	37.9	56.9#
46	48.4	27.4	41.0#
42	29.4	51.2	76.8#

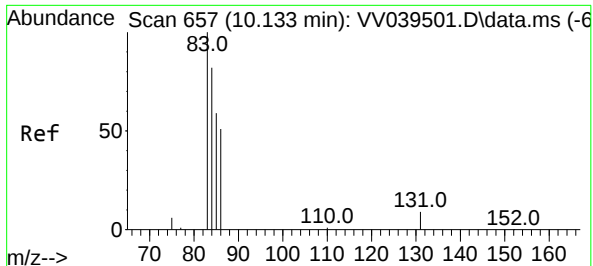


#8
Toluene-d8
Concen: 0.443 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039508.D
Acq: 09 Dec 2025 16:45

Tgt Ion: 98 Resp: 3685

Ion	Ratio	Lower	Upper
98	100		
100	61.8	44.5	82.7
42	11.2	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: VV039508.D

Acq: 09 Dec 2025 16:45

Instrument :

MSVOA_V

ClientSampleId :

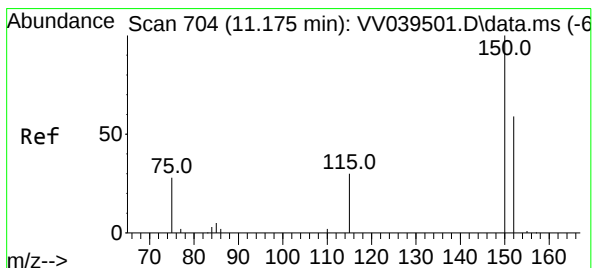
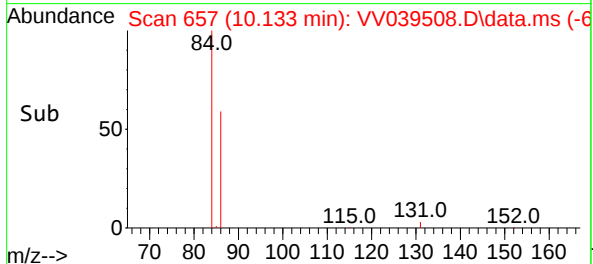
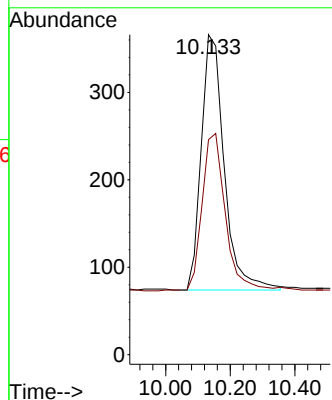
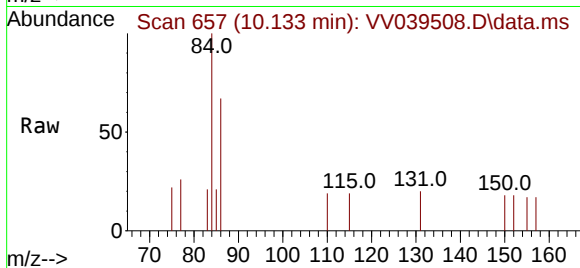
OW-03B-51.5-120425-SIM

Tgt Ion: 84 Resp: 1439

Ion Ratio Lower Upper

84 100

86 62.6 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: VV039508.D

Acq: 09 Dec 2025 16:45

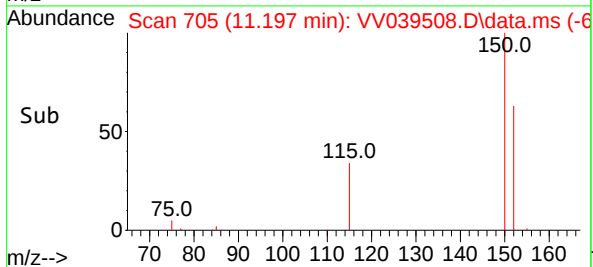
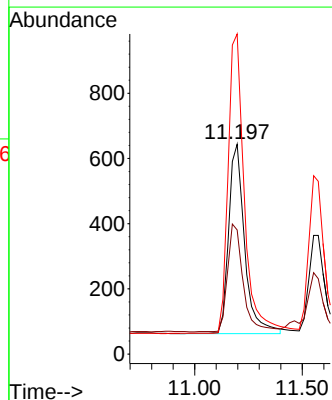
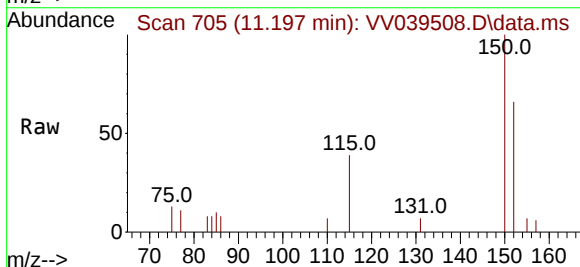
Tgt Ion: 152 Resp: 3001

Ion Ratio Lower Upper

152 100

115 55.9 0.0 101.6

150 158.6 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039509.D
Acq On : 09 Dec 2025 17:06
Operator : SY/MD
Sample : Q3787-14
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM-FD

Quant Time: Dec 10 01:17:47 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	5914	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5873	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3089	0.500	ug/L	0.02

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3608	0.621	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	124.000%
4) 1,2-Dichloroethane-d4	4.993	65	1794	0.456	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	92.000%
7) 1,2-Dichloropropane-d6	5.996	67	2059	0.416	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	84.000%
8) Toluene-d8	7.254	98	3855	0.461	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	92.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1480	0.530	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	106.000%

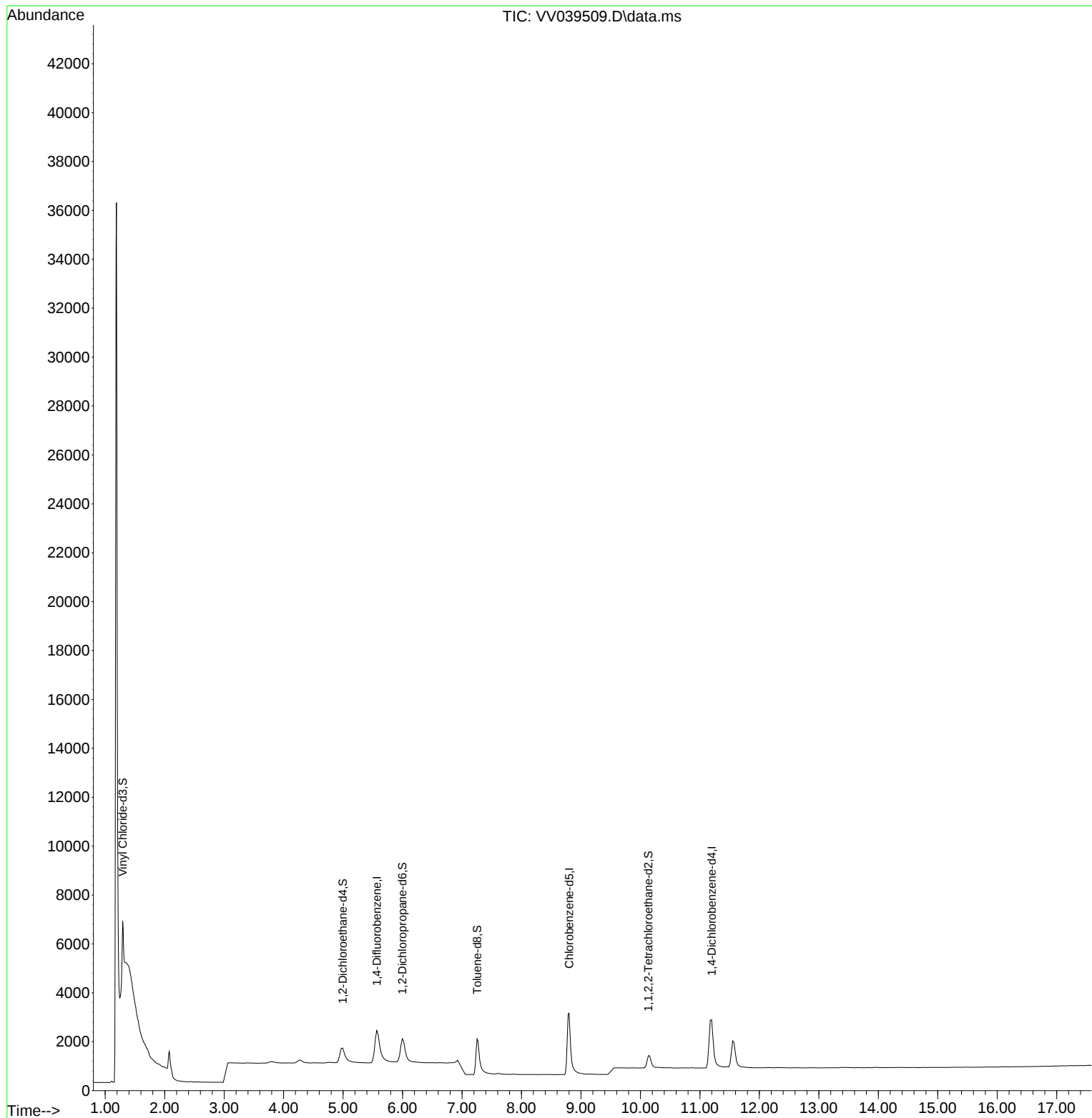
Target Compounds	Qvalue

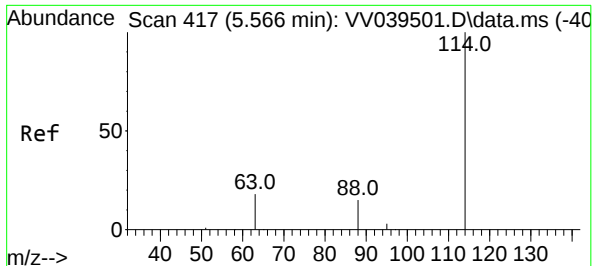
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039509.D
Acq On : 09 Dec 2025 17:06
Operator : SY/MD
Sample : Q3787-14
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM-FD

Quant Time: Dec 10 01:17:47 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

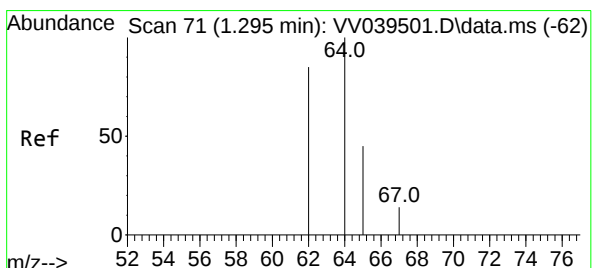
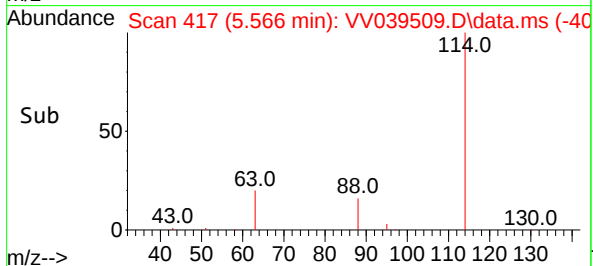
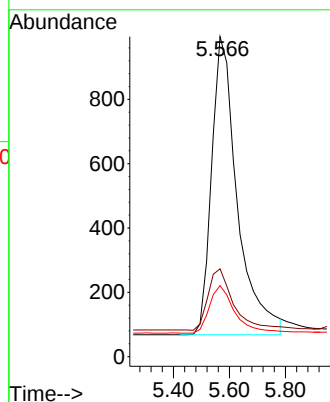
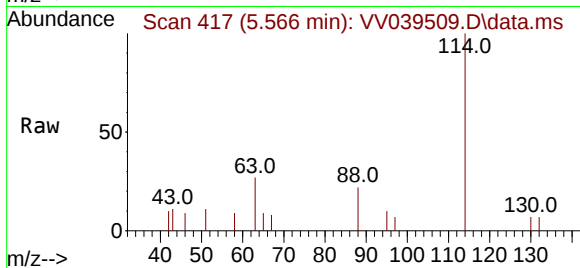




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

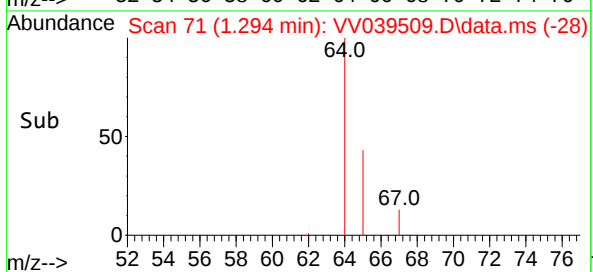
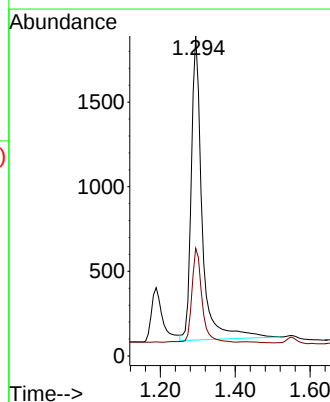
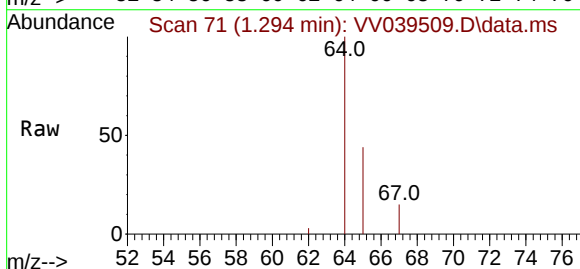
Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM-FD

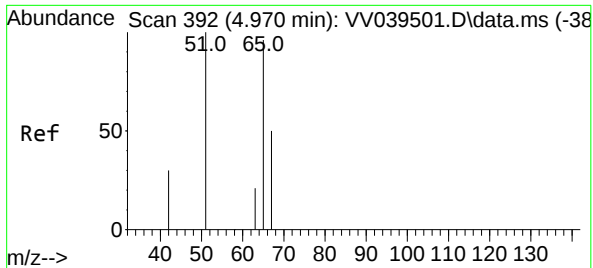
Tgt Ion:	114	Resp:	5914
Ion	Ratio	Lower	Upper
114	100		
63	20.2	15.0	22.4
88	15.7	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.621 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

Tgt Ion:	65	Resp:	3608
Ion	Ratio	Lower	Upper
65	100		
67	28.4	22.3	41.5

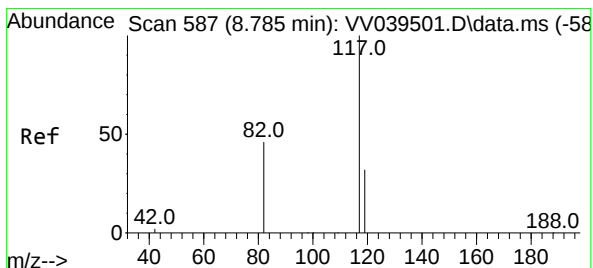
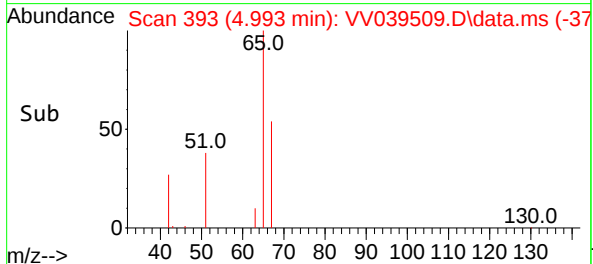
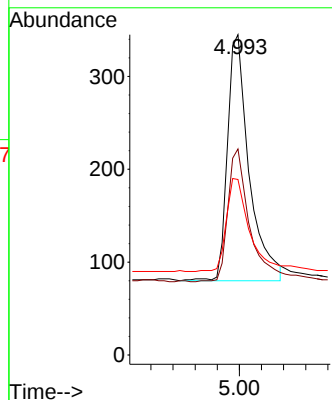
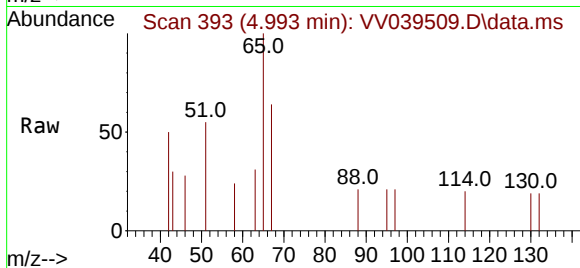




#4
1,2-Dichloroethane-d4
Concen: 0.456 ug/L
RT: 4.993 min Scan# 392
Delta R.T. 0.024 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

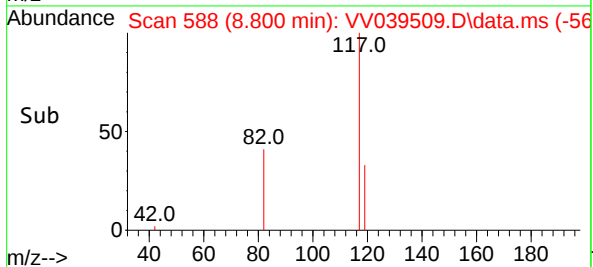
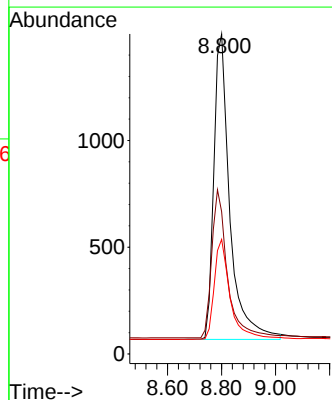
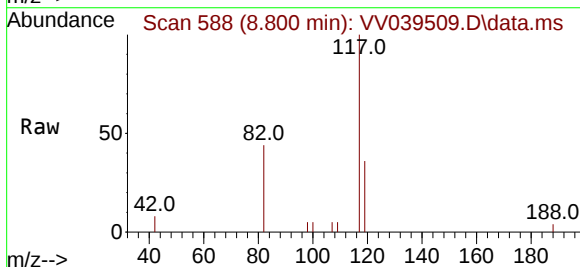
Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM-FD

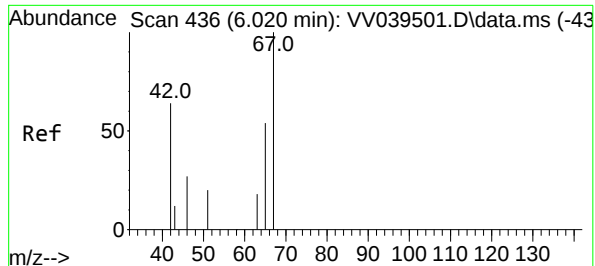
Tgt Ion: 65 Resp: 1794
Ion Ratio Lower Upper
65 100
67 53.6 32.5 60.3
51 39.7 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

Tgt Ion: 117 Resp: 5873
Ion Ratio Lower Upper
117 100
82 48.3 39.4 59.2
119 32.8 26.2 39.2

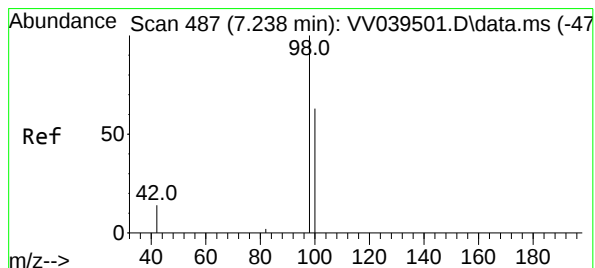
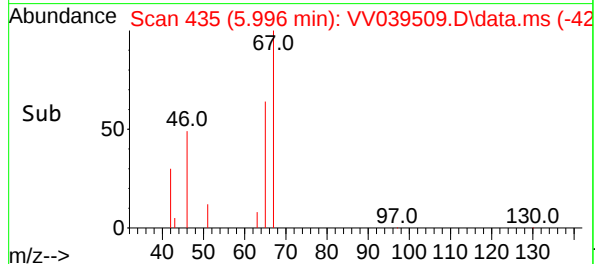
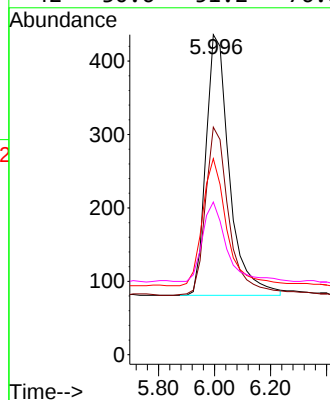
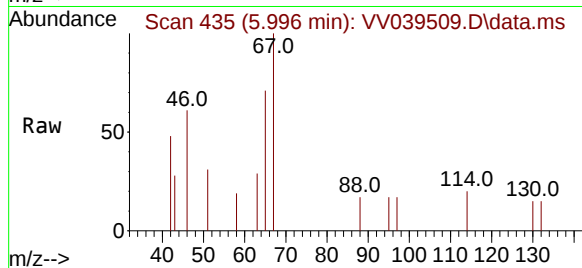




#7
1,2-Dichloropropane-d6
Concen: 0.416 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

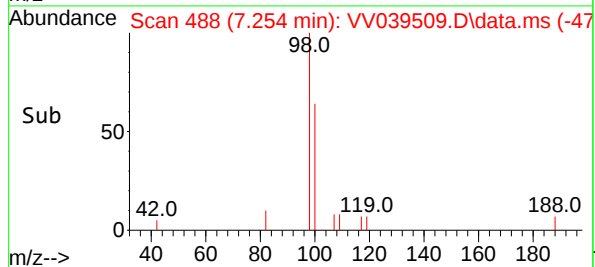
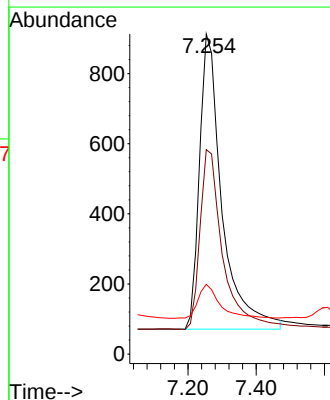
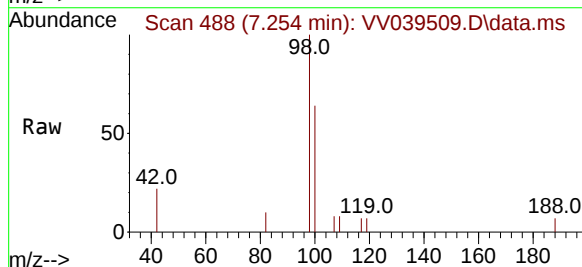
Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM-FD

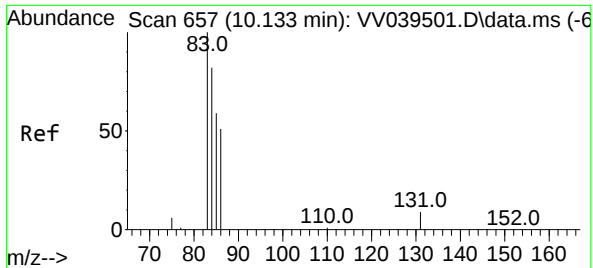
Tgt Ion:	67	Resp:	2059
Ion	Ratio	Lower	Upper
67	100		
65	65.1	37.9	56.9#
46	50.4	27.4	41.0#
42	30.6	51.2	76.8#



#8
Toluene-d8
Concen: 0.461 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

Tgt Ion:	98	Resp:	3855
Ion	Ratio	Lower	Upper
98	100		
100	62.0	44.5	82.7
42	11.1	10.1	18.7

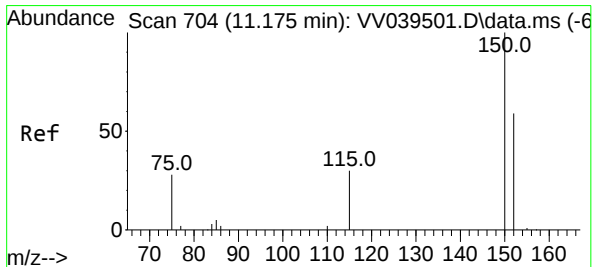
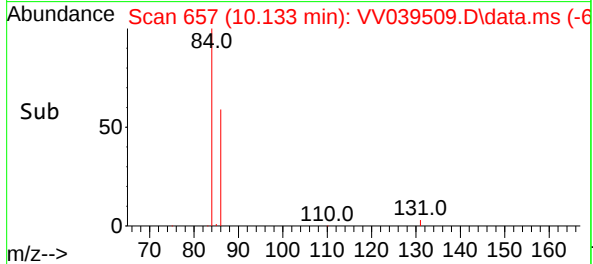
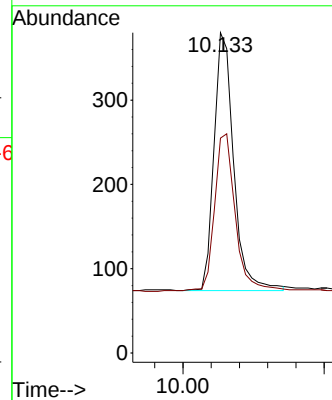
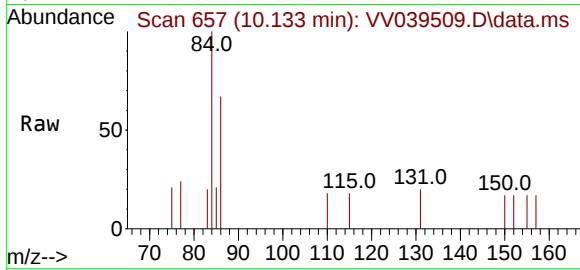




#10
1,1,2-Tetrachloroethane-d2
Concen: 0.530 ug/L
RT: 10.133 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV039509.D
Acq: 09 Dec 2025 17:06

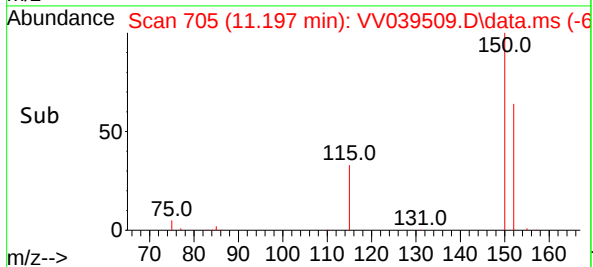
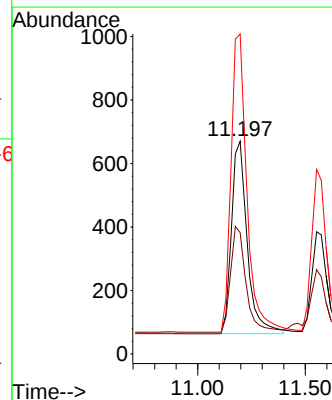
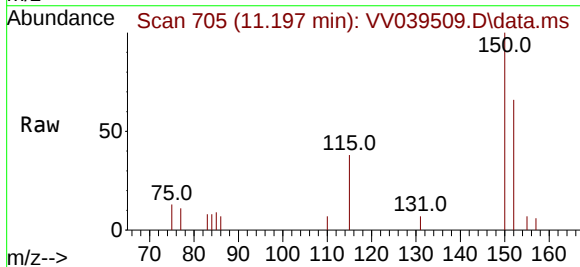
Instrument :
MSVOA_V
ClientSampleId :
OW-03B-51.5-120425-SIM-FD

Tgt Ion: 84 Resp: 1480
Ion Ratio Lower Upper
84 100
86 64.8 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: VV039509.D
Acq: 09 Dec 2025 17:06

Tgt Ion: 152 Resp: 3089
Ion Ratio Lower Upper
152 100
115 53.6 0.0 101.6
150 158.5 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
 Data File : VV039510.D
 Acq On : 09 Dec 2025 17:27
 Operator : SY/MD
 Sample : Q3787-16
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 OW-08B-72.5-120425-SIM

Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2025
 Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 10 01:17:59 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	6729	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	6569	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	3453	0.500	ug/L	0.02

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3797m	0.575	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	114.000%
4) 1,2-Dichloroethane-d4	4.993	65	1999	0.446	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	90.000%
7) 1,2-Dichloropropane-d6	5.996	67	2347	0.423	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	84.000%
8) Toluene-d8	7.254	98	4406	0.471	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	94.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1655	0.530	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	106.000%

Target Compounds Qvalue

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

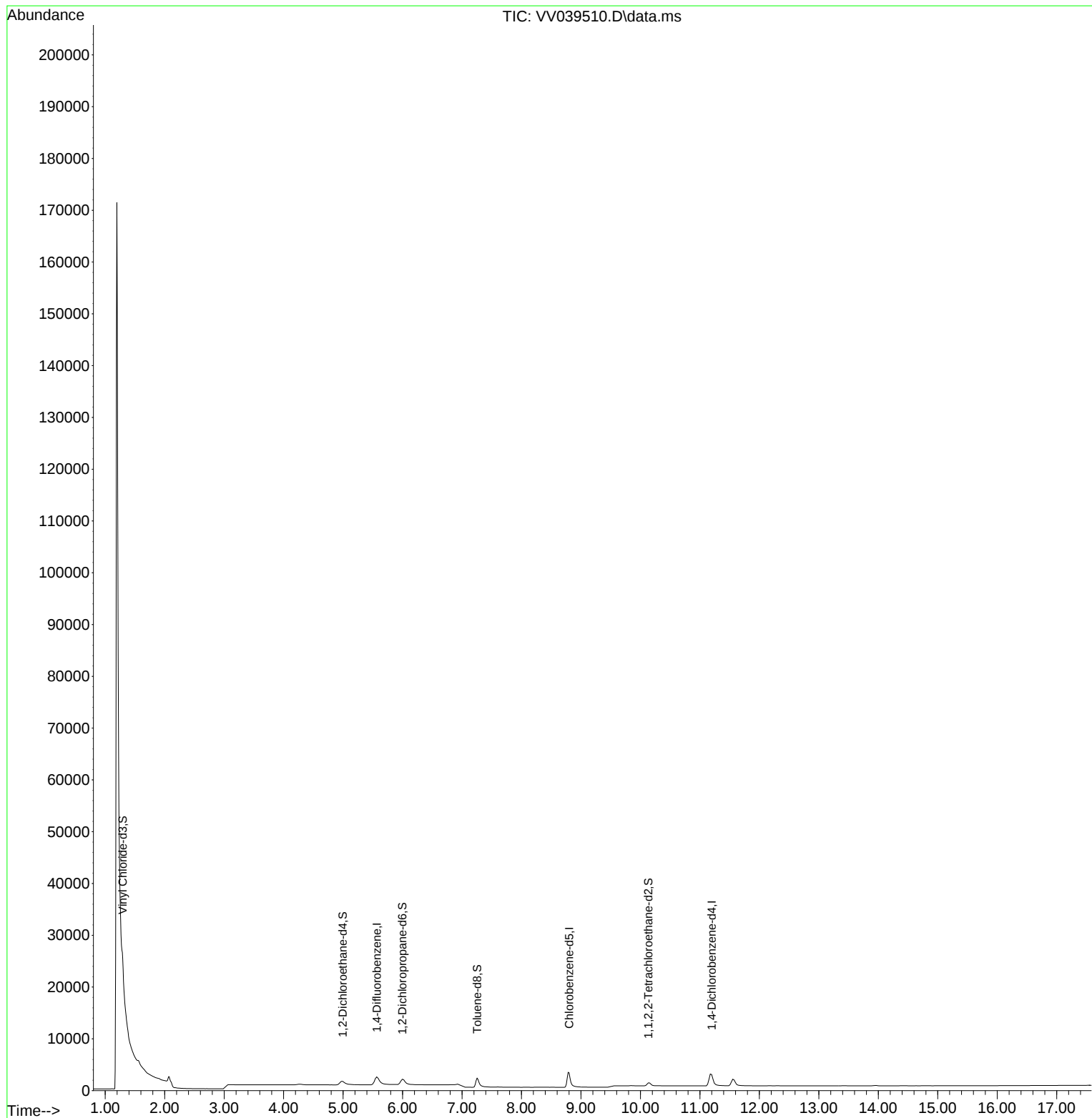
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Data File : VV039510.D
Acq On : 09 Dec 2025 17:27
Operator : SY/MD
Sample : Q3787-16
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

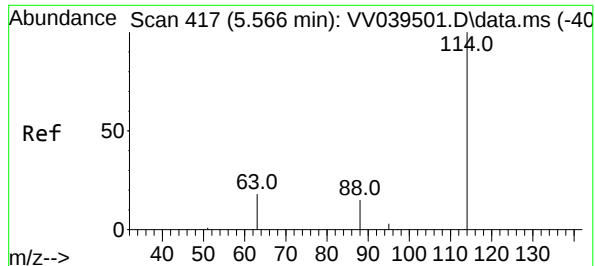
Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/10/2025
Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 10 01:17:59 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





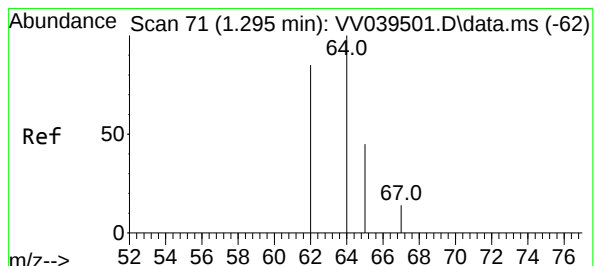
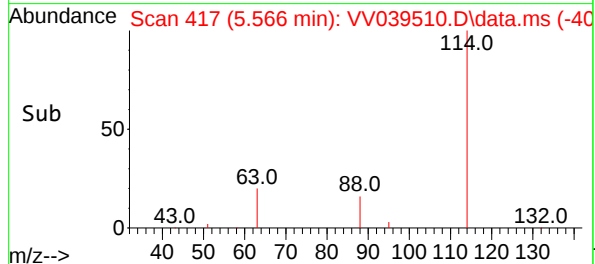
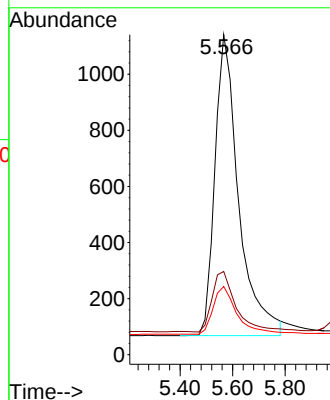
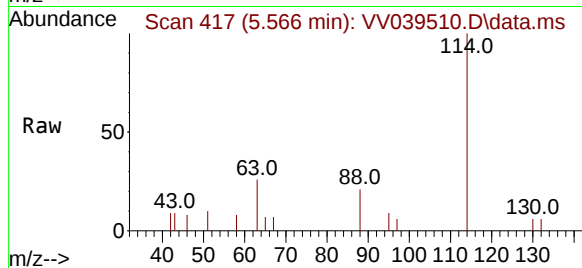
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM

Tgt Ion: 114 Resp: 6729
Ion Ratio Lower Upper
114 100
63 19.9 15.0 22.4
88 15.8 12.0 18.0

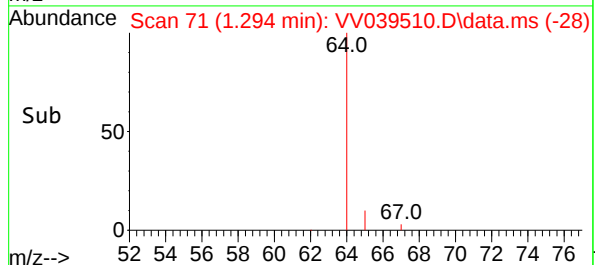
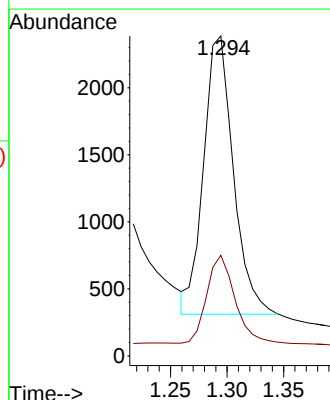
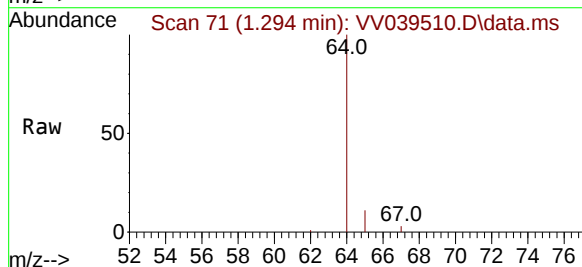
Manual Integrations
APPROVED

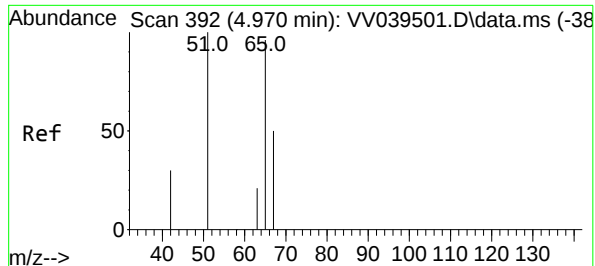
Reviewed By : John Carlone 12/10/2025
Supervised By : Mahesh Dadoda 12/10/2025



#2
Vinyl Chloride-d3
Concen: 0.575 ug/L m
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

Tgt Ion: 65 Resp: 3797
Ion Ratio Lower Upper
65 100
67 33.3 22.3 41.5





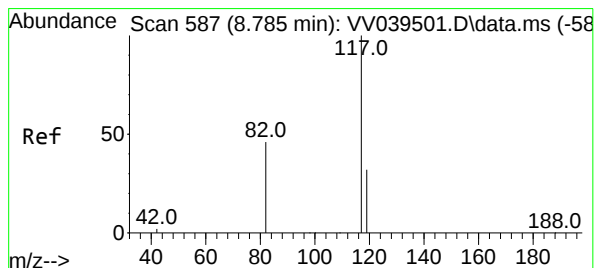
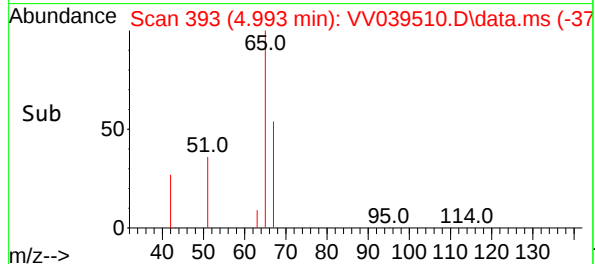
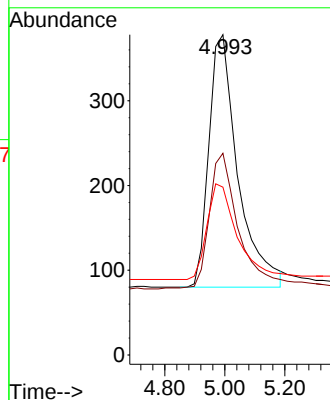
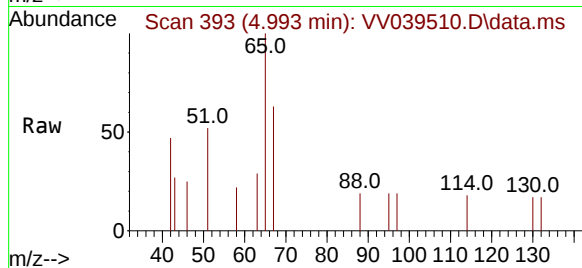
#4
1,2-Dichloroethane-d4
Concen: 0.446 ug/L
RT: 4.993 min Scan# 392
Delta R.T. 0.024 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM

Tgt Ion: 65 Resp: 199
Ion Ratio Lower Upper
65 100
67 54.1 32.5 60.3
51 39.7 121.4 225.6

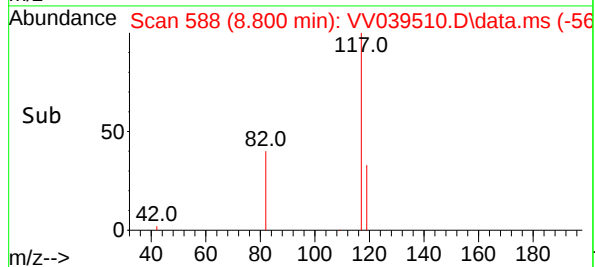
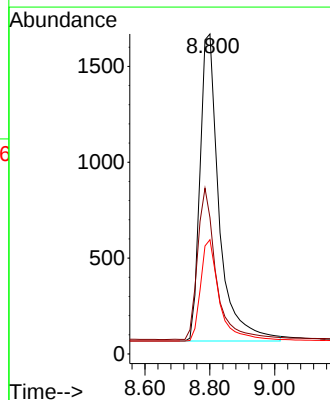
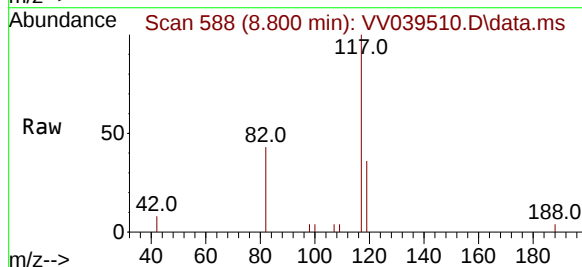
Manual Integrations
APPROVED

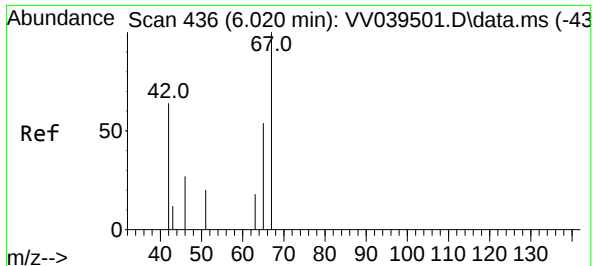
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

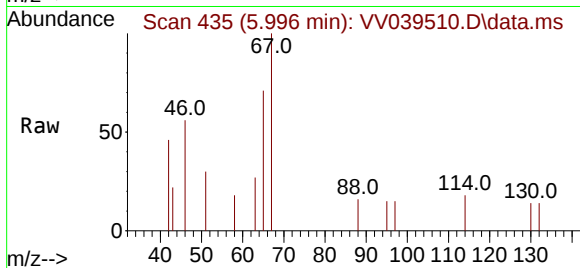
Tgt Ion:117 Resp: 6569
Ion Ratio Lower Upper
117 100
82 48.0 39.4 59.2
119 32.5 26.2 39.2





#7
1,2-Dichloropropane-d6
Concen: 0.423 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

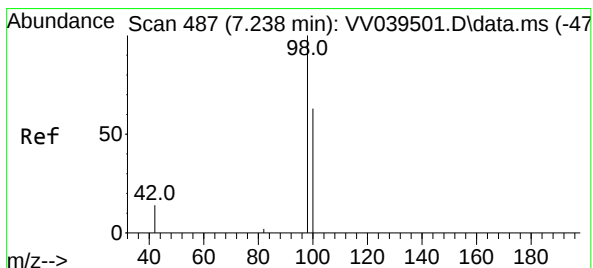
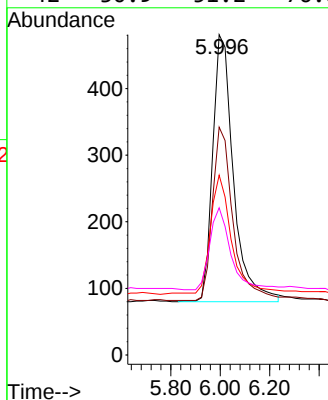
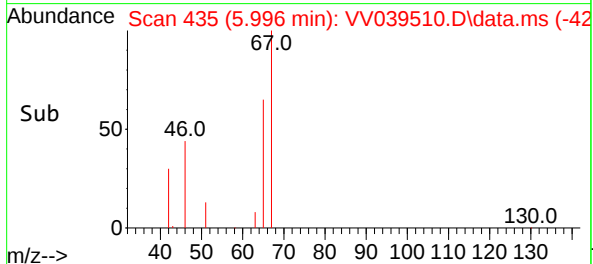
Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM



Tgt Ion:	67	Resp:	234
Ion	Ratio	Lower	Upper
67	100		
65	64.0	37.9	56.9
46	43.8	27.4	41.0
42	30.9	51.2	76.8

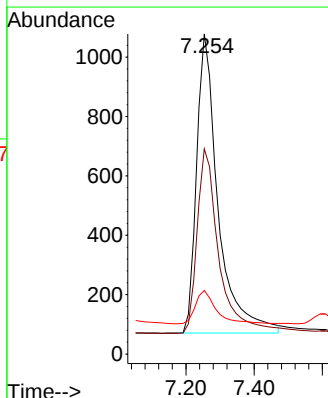
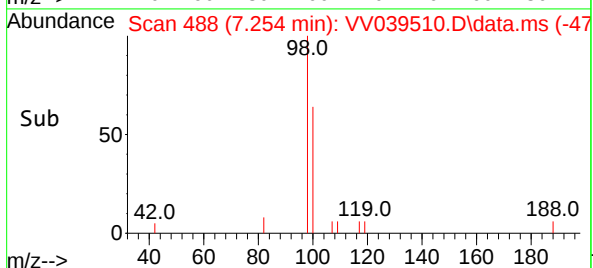
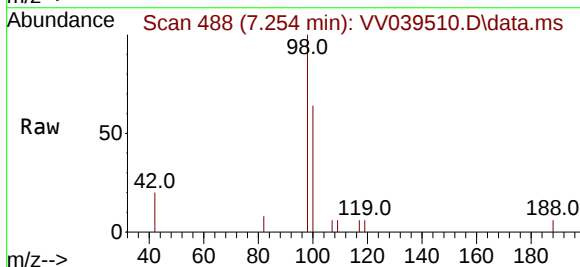
Manual Integrations
APPROVED

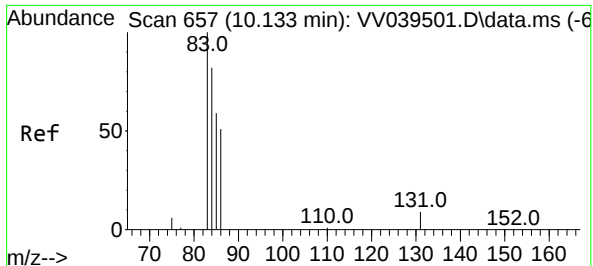
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#8
Toluene-d8
Concen: 0.471 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039510.D
Acq: 09 Dec 2025 17:27

Tgt Ion:	98	Resp:	4406
Ion	Ratio	Lower	Upper
98	100		
100	62.3	44.5	82.7
42	10.7	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.530 ug/L

RT: 10.133 min Scan# 657

Delta R.T. -0.000 min

Lab File: VV039510.D

Acq: 09 Dec 2025 17:27

Instrument :

MSVOA_V

ClientSampleId :

OW-08B-72.5-120425-SIM

Tgt Ion: 84 Resp: 165

Ion Ratio Lower Upper

84 100

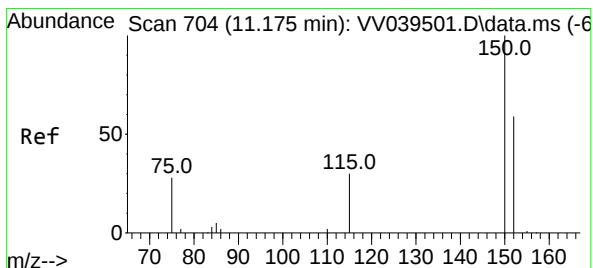
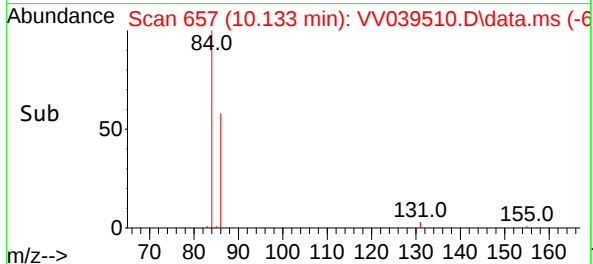
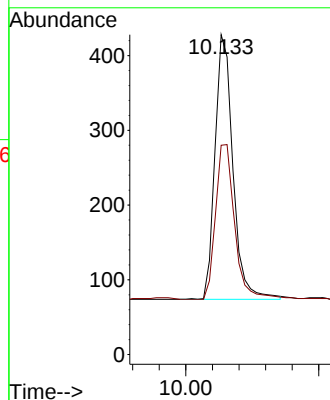
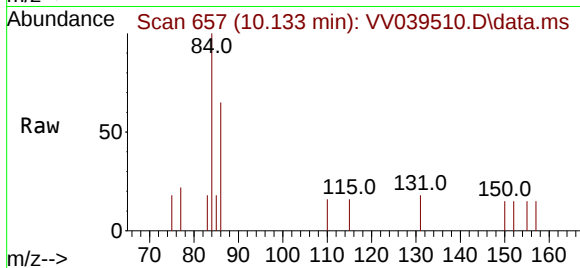
86 62.2 44.4 82.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/10/2025



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039510.D

Acq: 09 Dec 2025 17:27

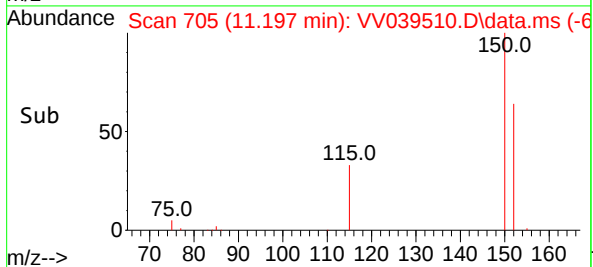
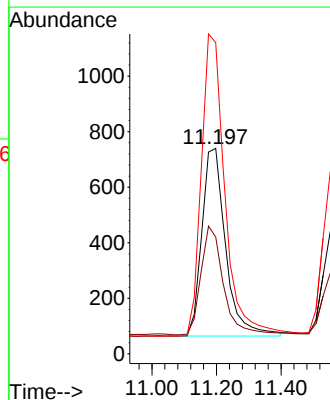
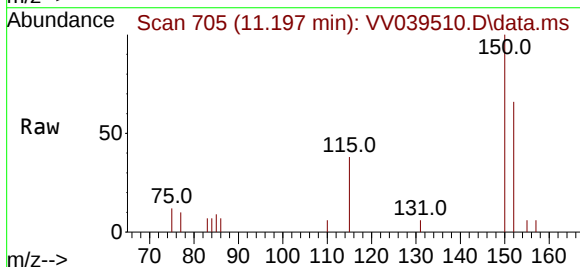
Tgt Ion:152 Resp: 3453

Ion Ratio Lower Upper

152 100

115 54.3 0.0 101.6

150 159.6 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
 Data File : VV039511.D
 Acq On : 09 Dec 2025 17:48
 Operator : SY/MD
 Sample : Q3787-18
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 OW-08B-72.5-120425-SIM-FD

Quant Time: Dec 10 01:18:10 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

Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2025
 Supervised By : Mahesh Dadoda 12/10/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7201	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	6889	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.197	152	3685	0.500	ug/L	0.02

System Monitoring Compounds

2) Vinyl Chloride-d3	1.287	65	3606m	0.510	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	102.000%
4) 1,2-Dichloroethane-d4	4.993	65	1983	0.414	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	82.000%
7) 1,2-Dichloropropane-d6	5.996	67	2352	0.405	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	80.000%
8) Toluene-d8	7.254	98	4431	0.452	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	90.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1617	0.494	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	98.000%

Target Compounds Qvalue

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

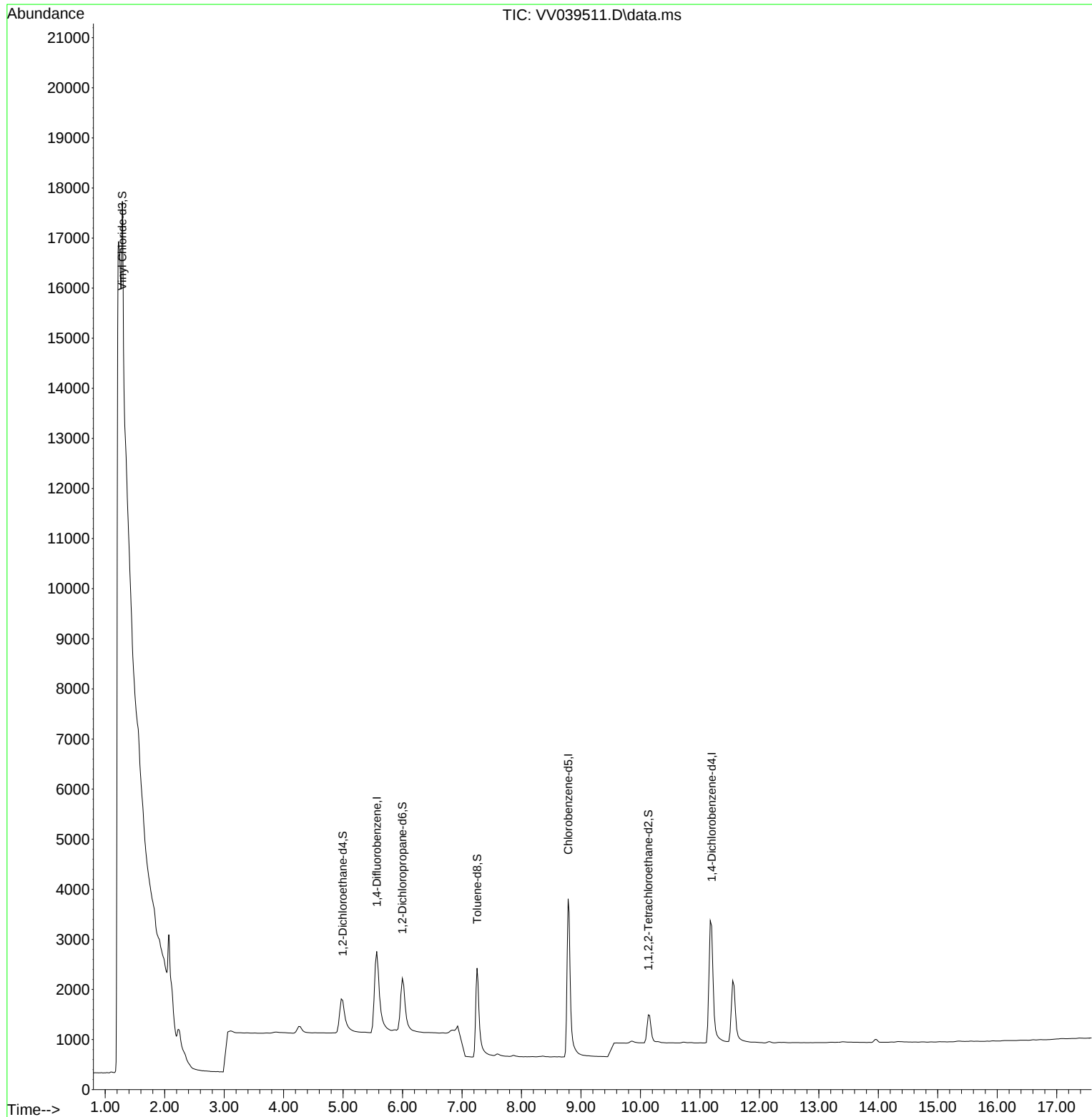
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Data File : VV039511.D
Acq On : 09 Dec 2025 17:48
Operator : SY/MD
Sample : Q3787-18
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

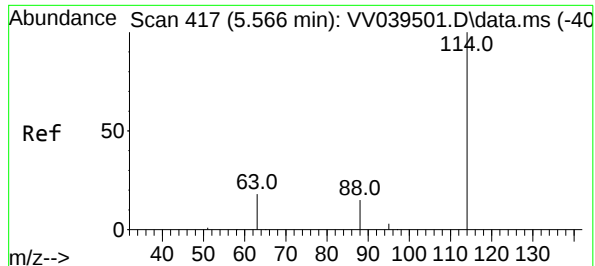
Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM-FD

Quant Time: Dec 10 01:18:10 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

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/10/2025
Supervised By : Mahesh Dadoda 12/10/2025





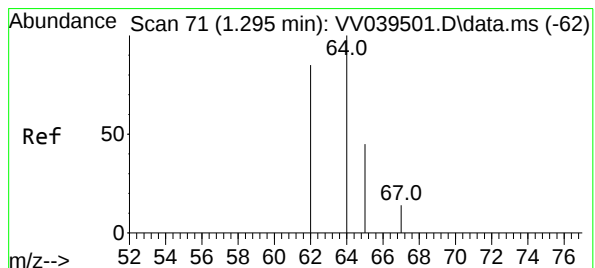
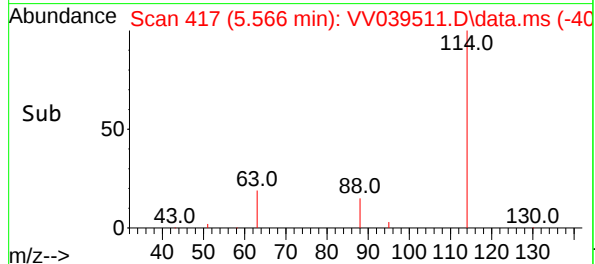
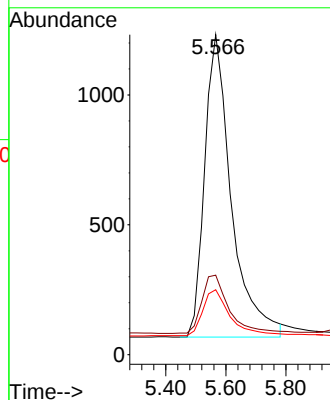
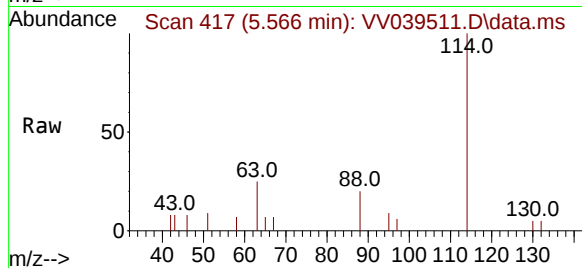
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

Instrument : MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM-FD

Tgt Ion:114 Resp: 720
Ion Ratio Lower Upper
114 100
63 19.3 15.0 22.4
88 15.8 12.0 18.0

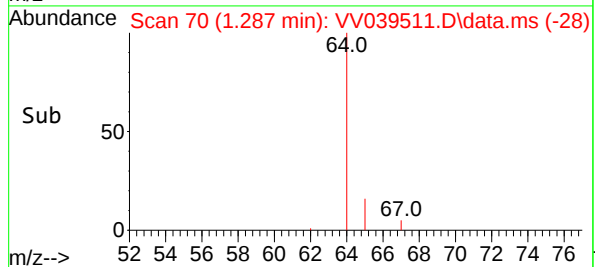
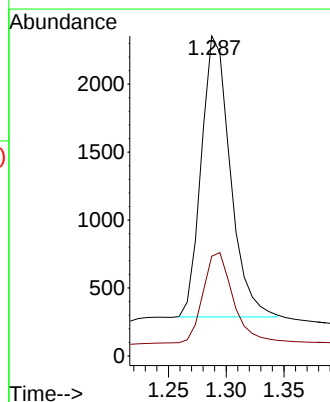
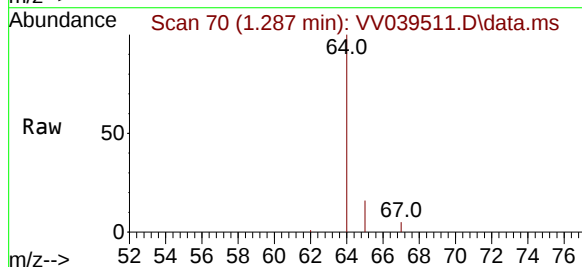
Manual Integrations
APPROVED

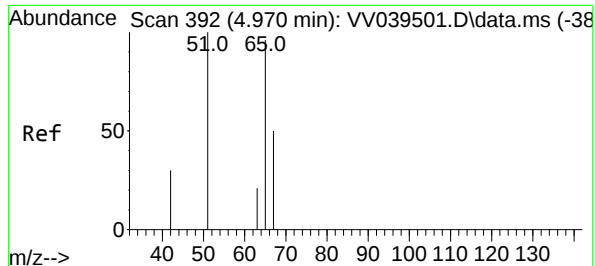
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#2
Vinyl Chloride-d3
Concen: 0.510 ug/L m
RT: 1.287 min Scan# 70
Delta R.T. -0.007 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

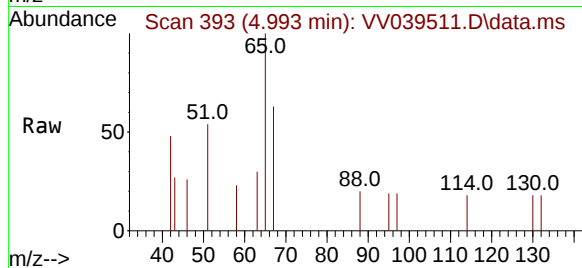
Tgt Ion: 65 Resp: 3606
Ion Ratio Lower Upper
65 100
67 39.3 22.3 41.5





#4
1,2-Dichloroethane-d4
Concen: 0.414 ug/L
RT: 4.993 min Scan# 392
Delta R.T. 0.024 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

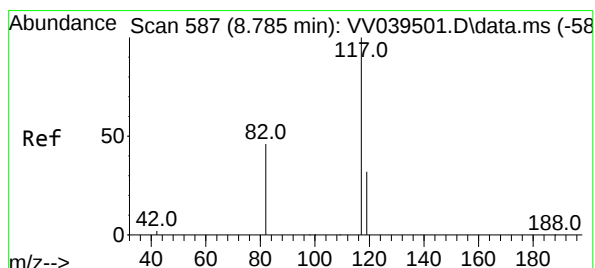
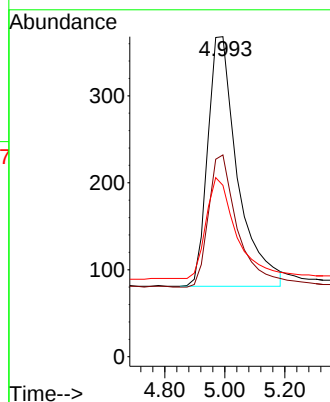
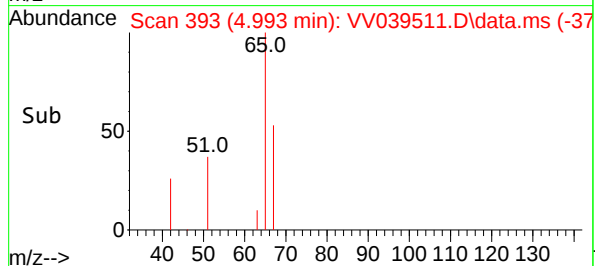
Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM-FD



Tgt Ion: 65 Resp: 198
Ion Ratio Lower Upper
65 100
67 51.8 32.5 60.3
51 40.7 121.4 225.6

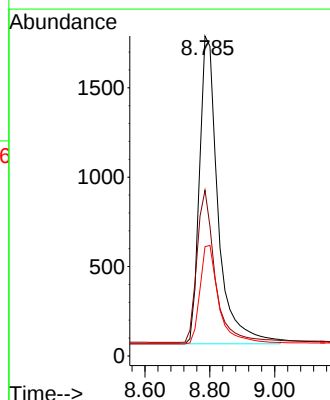
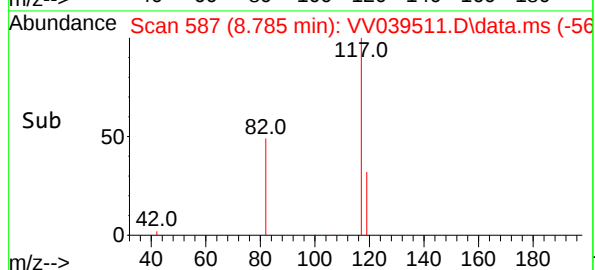
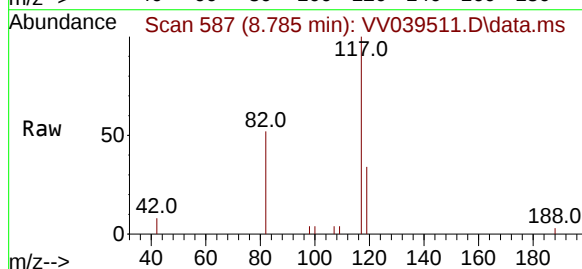
Manual Integrations
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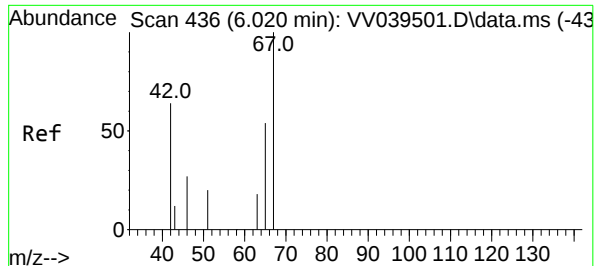
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. -0.000 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

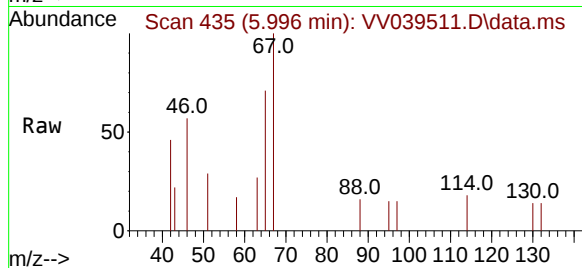
Tgt Ion:117 Resp: 6889
Ion Ratio Lower Upper
117 100
82 48.2 39.4 59.2
119 32.4 26.2 39.2





#7
1,2-Dichloropropane-d6
Concen: 0.405 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

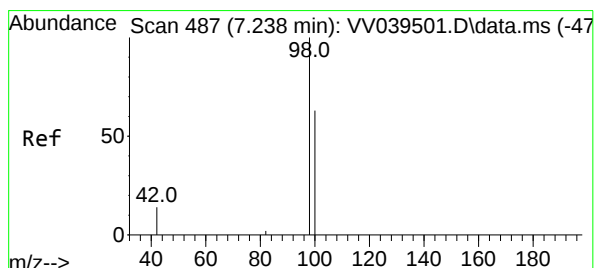
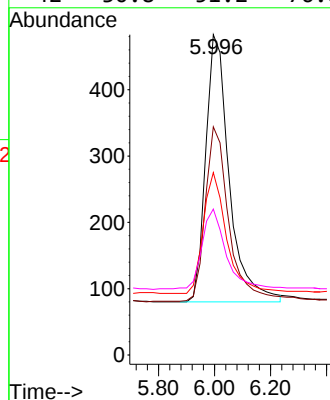
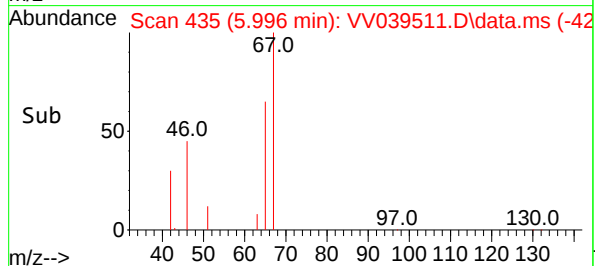
Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-120425-SIM-FD



Tgt Ion	Ratio	Lower	Upper
67	100		
65	65.2	37.9	56.9
46	45.1	27.4	41.0
42	30.8	51.2	76.8

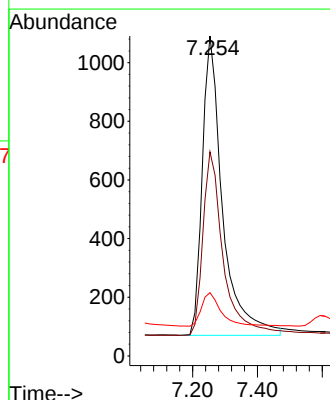
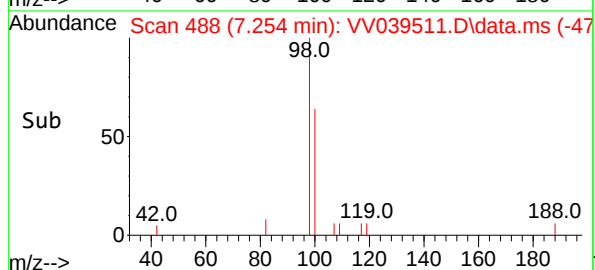
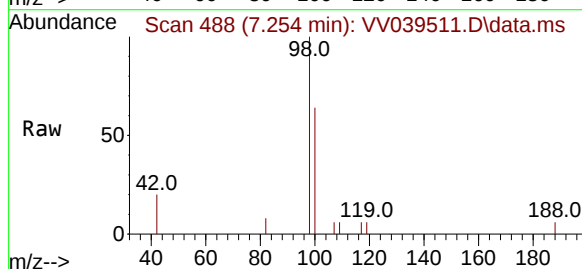
Manual Integrations
APPROVED

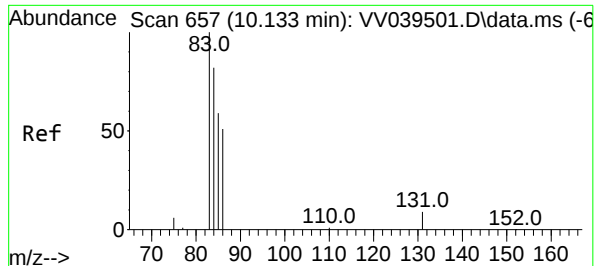
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#8
Toluene-d8
Concen: 0.452 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039511.D
Acq: 09 Dec 2025 17:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.6	44.5	82.7
42	10.7	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.494 ug/L

RT: 10.133 min Scan# 657

Delta R.T. -0.000 min

Lab File: VV039511.D

Acq: 09 Dec 2025 17:48

Instrument :

MSVOA_V

ClientSampleId :

OW-08B-72.5-120425-SIM-FD

Tgt Ion: 84 Resp: 161

Ion Ratio Lower Upper

84 100

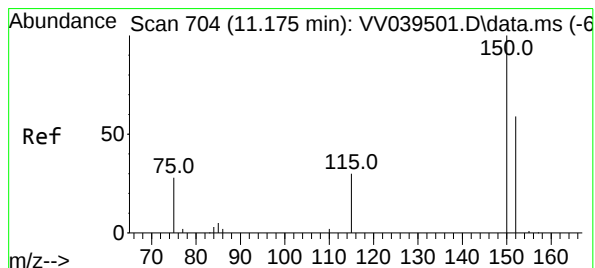
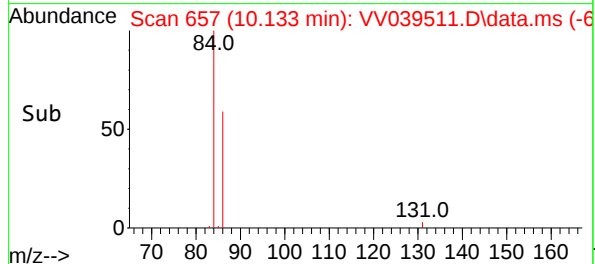
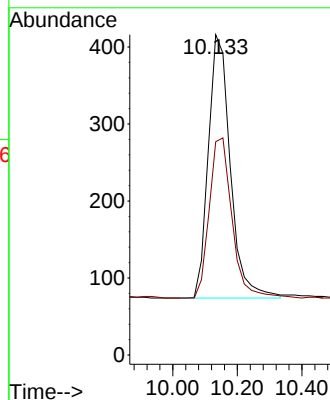
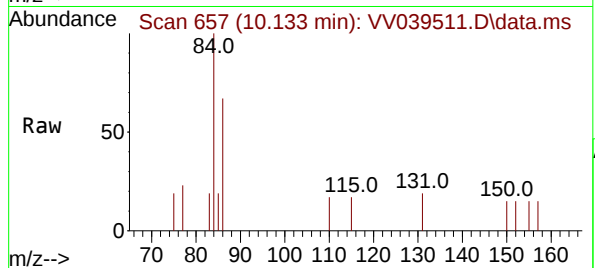
86 62.9 44.4 82.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/10/2025



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039511.D

Acq: 09 Dec 2025 17:48

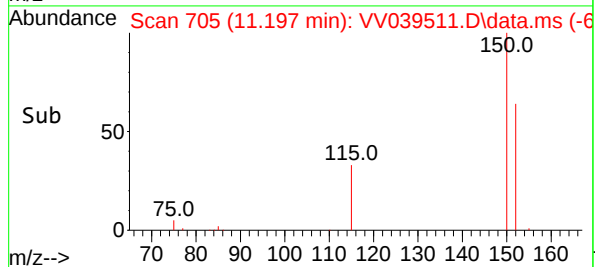
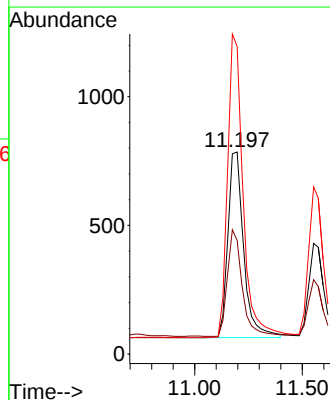
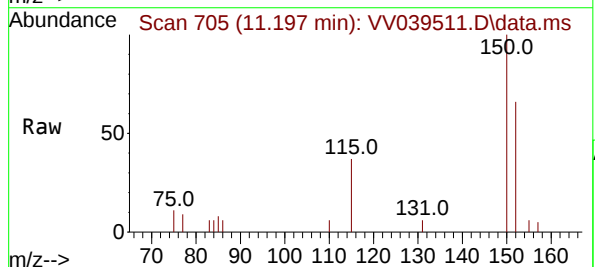
Tgt Ion:152 Resp: 3685

Ion Ratio Lower Upper

152 100

115 53.8 0.0 101.6

150 159.5 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
 Data File : VV039512.D
 Acq On : 09 Dec 2025 18:09
 Operator : SY/MD
 Sample : Q3787-20
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 OW-02B-21.2-120425-SIM

Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2025
 Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 10 01:18:21 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	5439	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5451	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	2889	0.500	ug/L	0.02

System Monitoring Compounds

2) Vinyl Chloride-d3	1.294	65	2893m	0.542	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	108.000%
4) 1,2-Dichloroethane-d4	4.993	65	1705	0.471	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	94.000%
7) 1,2-Dichloropropane-d6	5.996	67	2050	0.446	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	90.000%
8) Toluene-d8	7.254	98	3897	0.502	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	100.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1384	0.534	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	106.000%

Target Compounds Qvalue

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

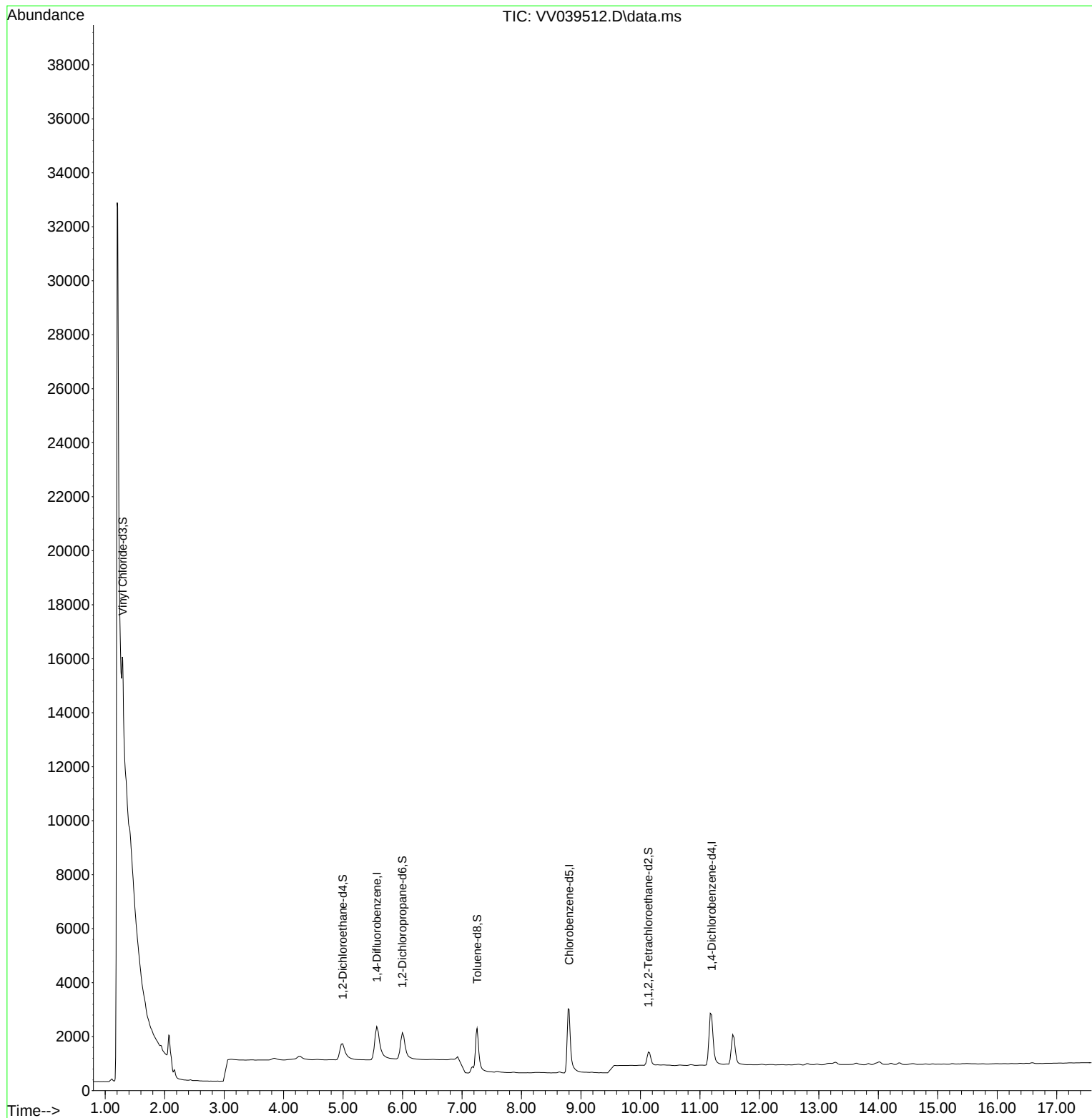
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039512.D
Acq On : 09 Dec 2025 18:09
Operator : SY/MD
Sample : Q3787-20
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

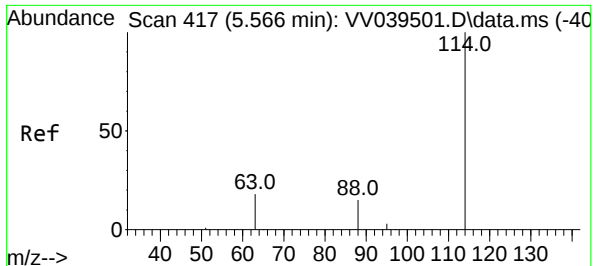
Instrument :
MSVOA_V
ClientSampleId :
OW-02B-21.2-120425-SIM

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/10/2025
Supervised By : Mahesh Dadoda 12/10/2025

Quant Time: Dec 10 01:18:21 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





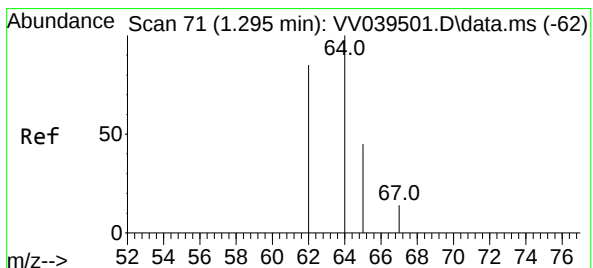
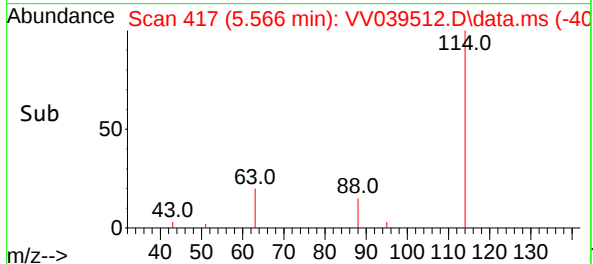
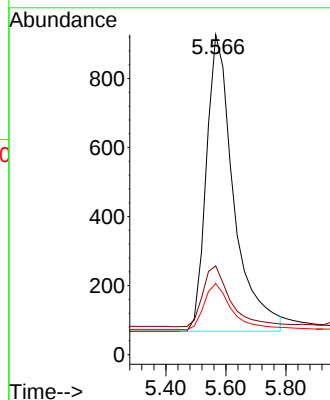
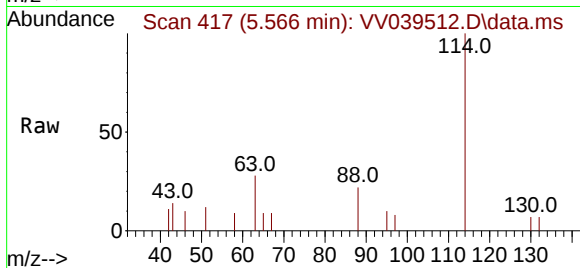
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

Instrument : MSVOA_V
ClientSampleId : VV039512.D
OW-02B-21.2-120425-SIM

Tgt Ion: 114 Resp: 5439
Ion Ratio Lower Upper
114 100
63 20.6 15.0 22.4
88 15.3 12.0 18.0

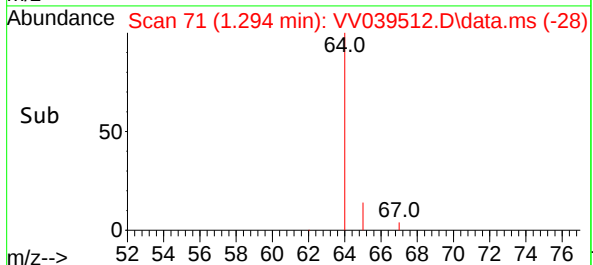
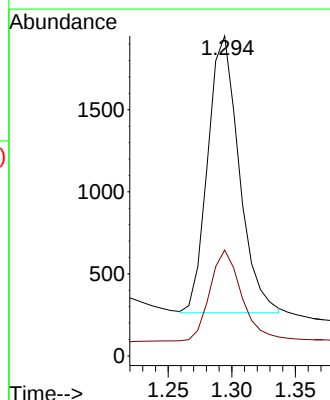
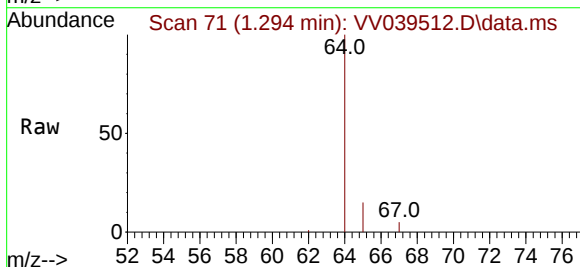
Manual Integrations
APPROVED

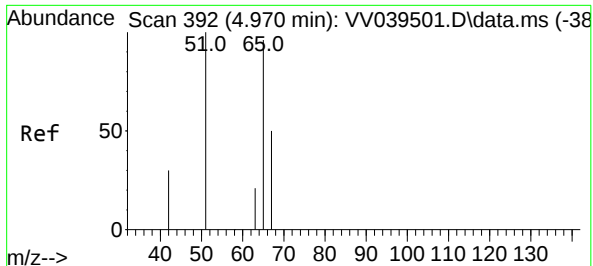
Reviewed By : John Carlone 12/10/2025
Supervised By : Mahesh Dadoda 12/10/2025



#2
Vinyl Chloride-d3
Concen: 0.542 ug/L m
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

Tgt Ion: 65 Resp: 2893
Ion Ratio Lower Upper
65 100
67 40.0 22.3 41.5





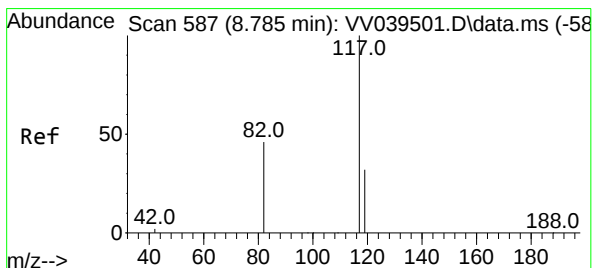
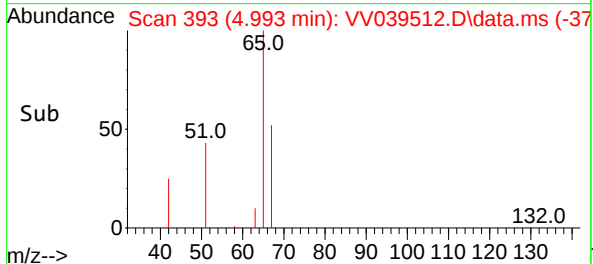
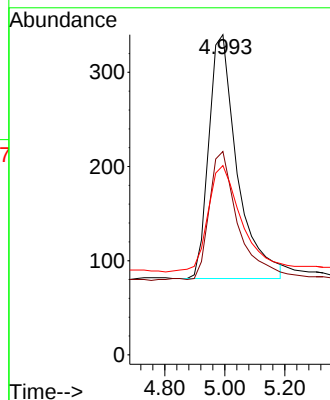
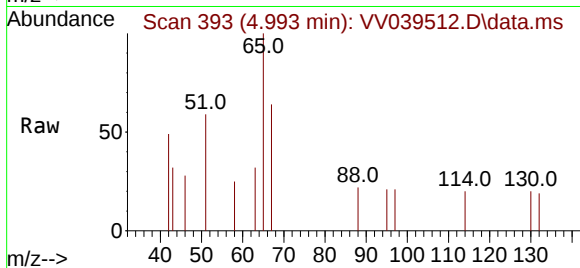
#4
1,2-Dichloroethane-d4
Concen: 0.471 ug/L
RT: 4.993 min Scan# 392
Delta R.T. 0.024 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

Instrument : MSVOA_V
ClientSampleId : VV039512.D
OW-02B-21.2-120425-SIM

Tgt Ion: 65 Resp: 170
Ion Ratio Lower Upper
65 100
67 54.9 32.5 60.3
51 51.8 121.4 225.6

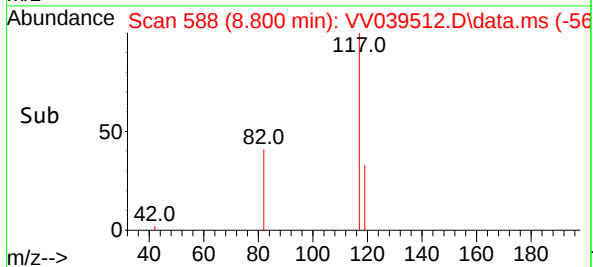
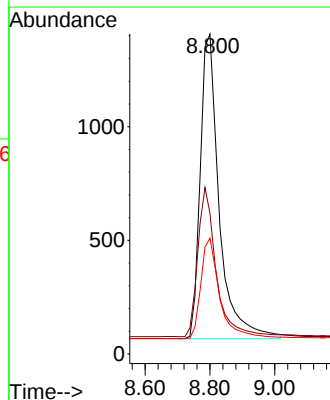
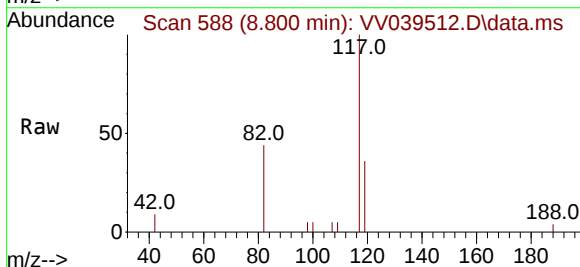
Manual Integrations
APPROVED

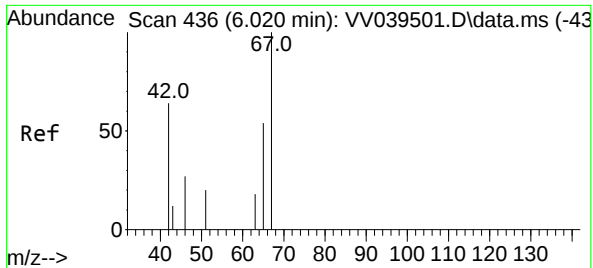
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

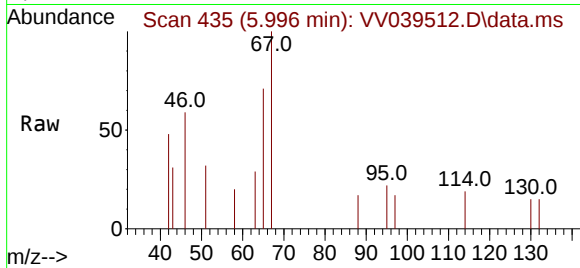
Tgt Ion:117 Resp: 5451
Ion Ratio Lower Upper
117 100
82 47.5 39.4 59.2
119 32.7 26.2 39.2





#7
1,2-Dichloropropane-d6
Concen: 0.446 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

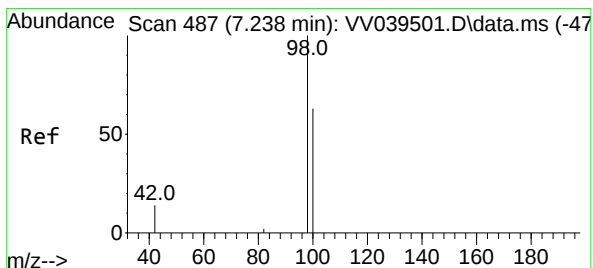
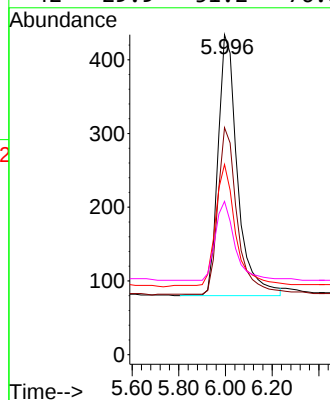
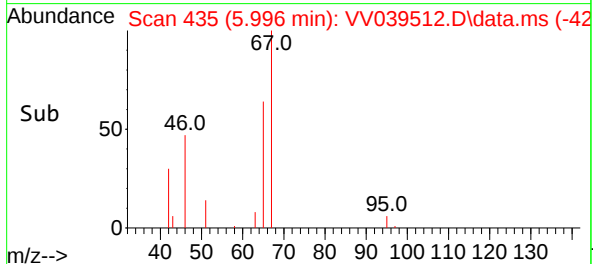
Instrument :
MSVOA_V
ClientSampleId :
OW-02B-21.2-120425-SIM



Tgt Ion: 67 Resp: 2050
Ion Ratio Lower Upper
67 100
65 63.0 37.9 56.9
46 48.2 27.4 41.0
42 29.9 51.2 76.8

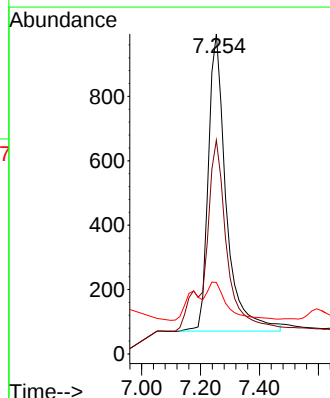
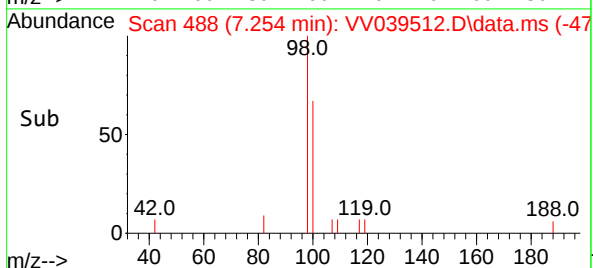
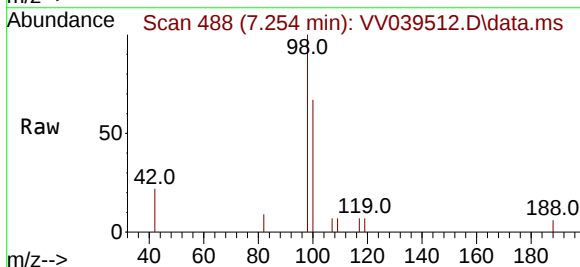
Manual Integrations
APPROVED

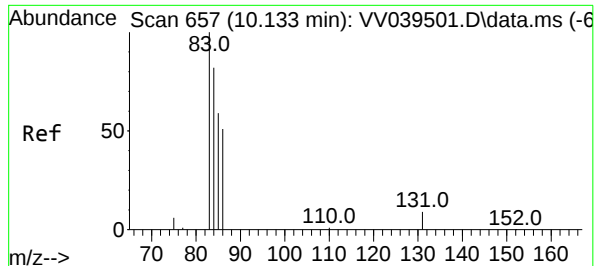
Reviewed By :John Carlone 12/10/2025
Supervised By :Mahesh Dadoda 12/10/2025



#8
Toluene-d8
Concen: 0.502 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039512.D
Acq: 09 Dec 2025 18:09

Tgt Ion: 98 Resp: 3897
Ion Ratio Lower Upper
98 100
100 77.0 44.5 82.7
42 13.7 10.1 18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.534 ug/L

RT: 10.133 min Scan# 657

Delta R.T. -0.000 min

Lab File: VV039512.D

Acq: 09 Dec 2025 18:09

Instrument :

MSVOA_V

ClientSampleId :

OW-02B-21.2-120425-SIM

Tgt Ion: 84 Resp: 1384

Ion Ratio Lower Upper

84 100

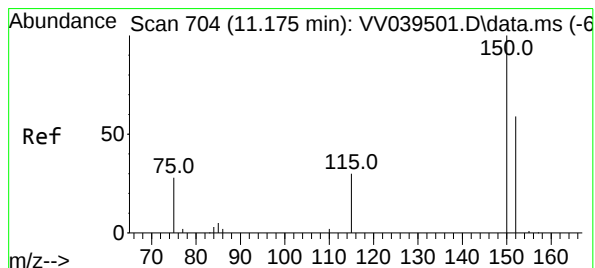
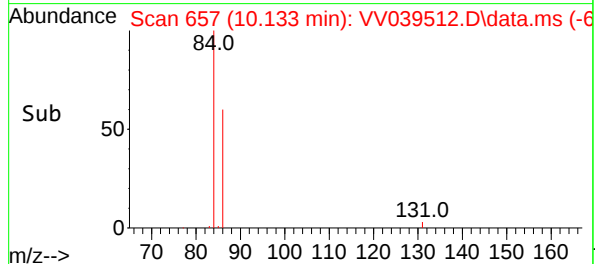
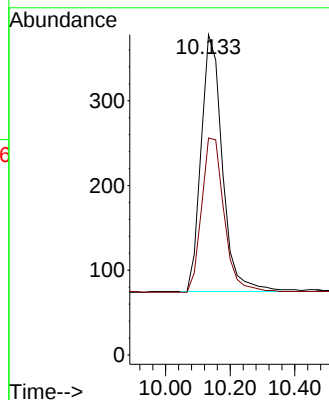
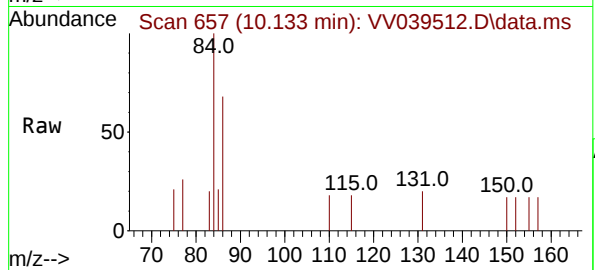
86 63.9 44.4 82.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2025

Supervised By :Mahesh Dadoda 12/10/2025



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.197 min Scan# 705

Delta R.T. 0.022 min

Lab File: VV039512.D

Acq: 09 Dec 2025 18:09

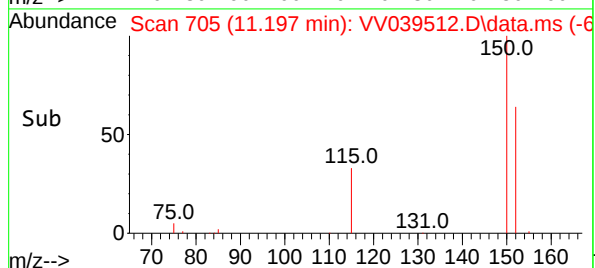
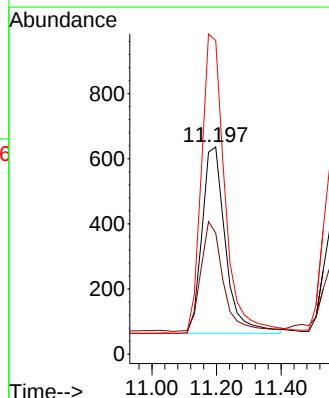
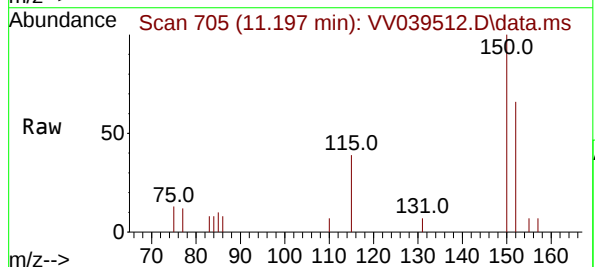
Tgt Ion:152 Resp: 2889

Ion Ratio Lower Upper

152 100

115 55.4 0.0 101.6

150 159.6 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
 Data File : VV039488.D
 Acq On : 08 Dec 2025 12:02
 Operator : SY/MD
 Sample : Q3787-21
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 TB01-120425

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 09 01:27:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 04 00:58:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6543	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	6120	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.197	152	3130	0.500	ug/L	0.02

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3588	0.545	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	110.000%
4) 1,2-Dichloroethane-d4	4.970	65	1891	0.434	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	86.000%
7) 1,2-Dichloropropane-d6	5.996	67	2168	0.420	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	84.000%
8) Toluene-d8	7.254	98	4063	0.466	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	94.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1537	0.528	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	106.000%

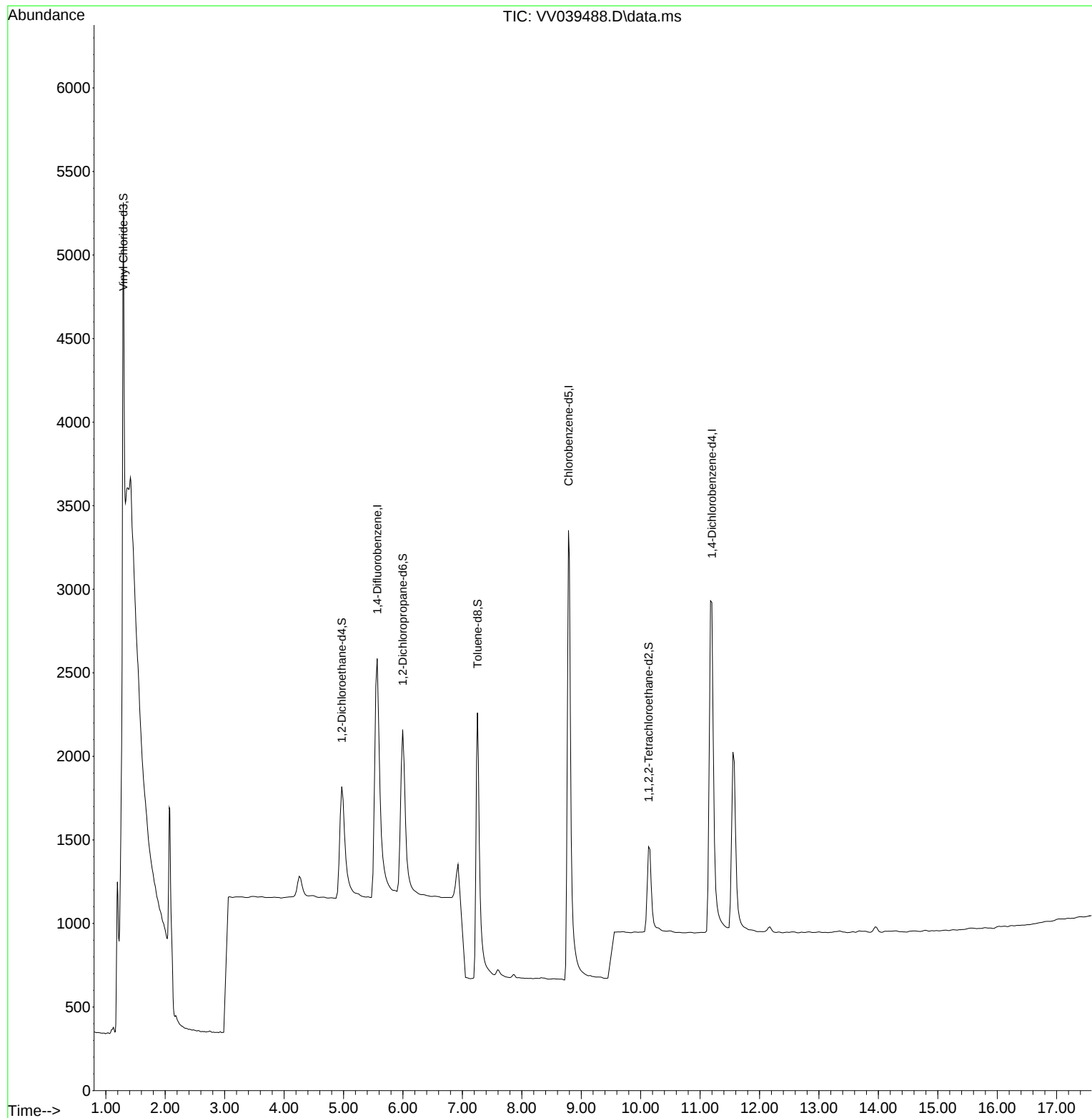
Target Compounds	Qvalue
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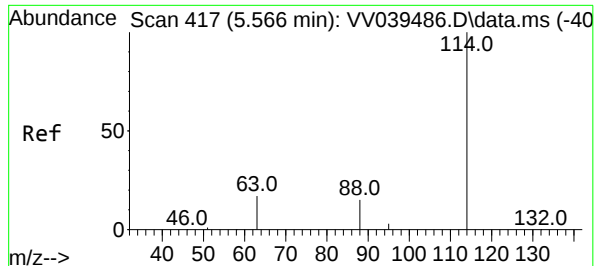
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
Data File : VV039488.D
Acq On : 08 Dec 2025 12:02
Operator : SY/MD
Sample : Q3787-21
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB01-120425

Quant Time: Dec 09 01:27:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 04 00:58:46 2025
Response via : Initial Calibration

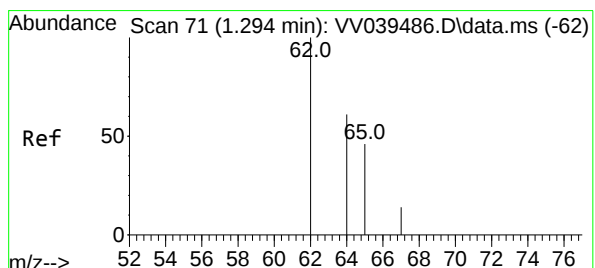
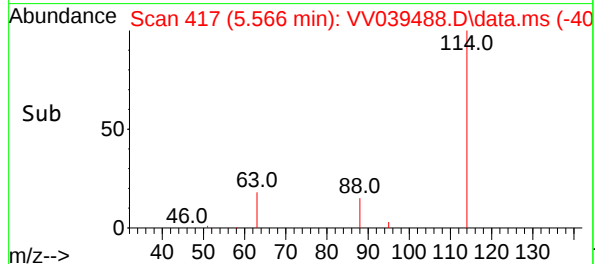
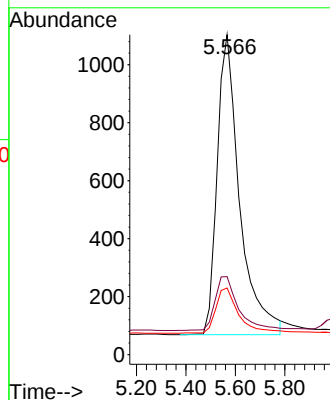
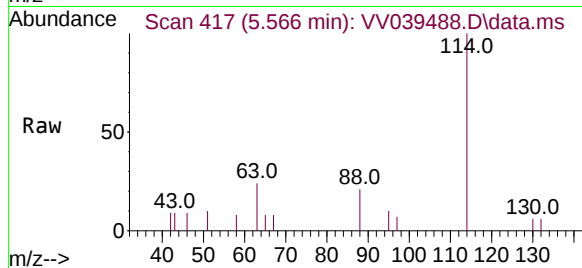




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

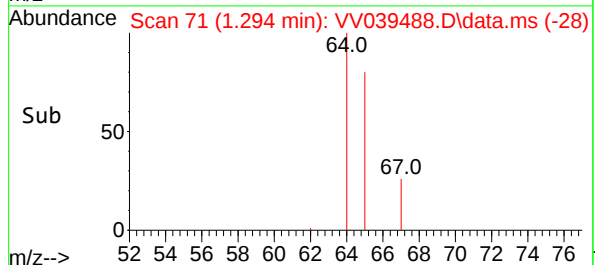
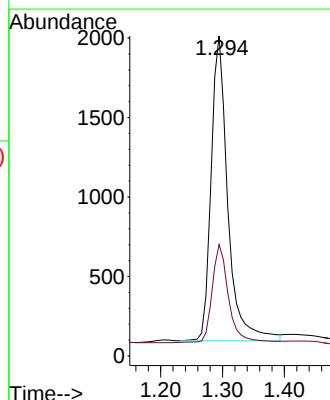
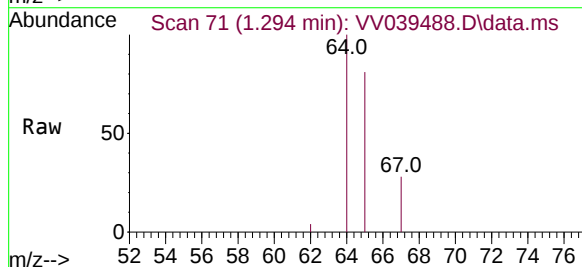
Instrument :
MSVOA_V
ClientSampleId :
TB01-120425

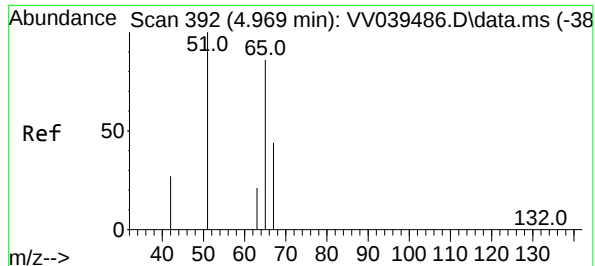
Tgt Ion:	114	Resp:	6543
Ion Ratio	Lower	Upper	
114	100		
63	18.8	15.0	22.4
88	15.2	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.545 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

Tgt Ion:	65	Resp:	3588
Ion Ratio	Lower	Upper	
65	100		
67	31.5	22.3	41.5

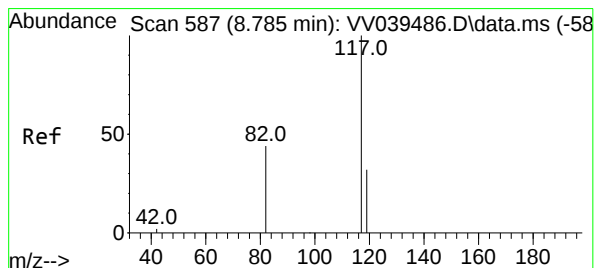
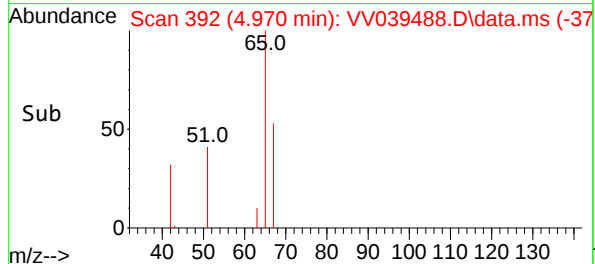
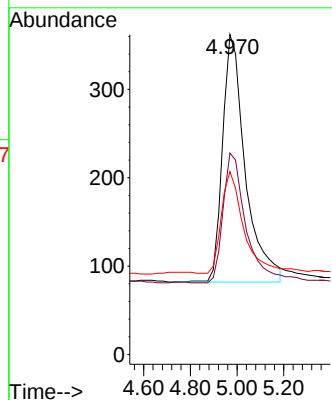
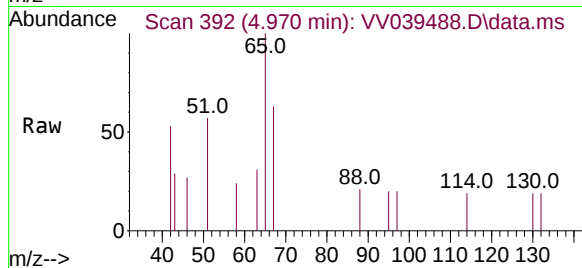




#4
1,2-Dichloroethane-d4
Concen: 0.434 ug/L
RT: 4.970 min Scan# 392
Delta R.T. 0.000 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

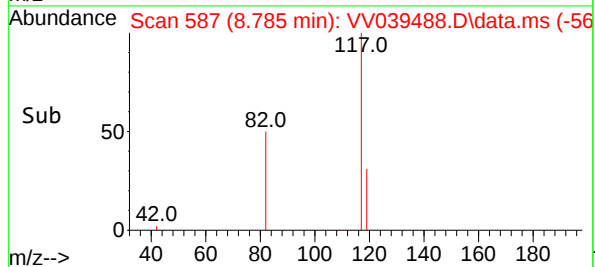
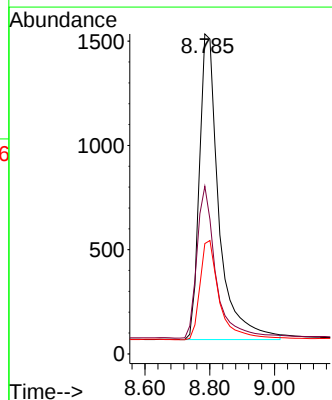
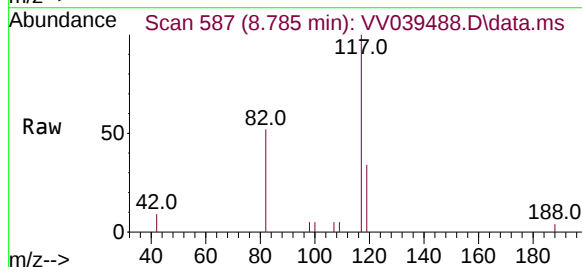
Instrument :
MSVOA_V
ClientSampleId :
TB01-120425

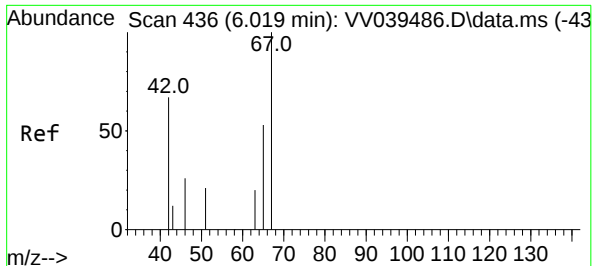
Tgt Ion: 65 Resp: 1891
Ion Ratio Lower Upper
65 100
67 52.3 32.5 60.3
51 39.8 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. 0.000 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

Tgt Ion: 117 Resp: 6120
Ion Ratio Lower Upper
117 100
82 48.2 39.4 59.2
119 32.7 26.2 39.2

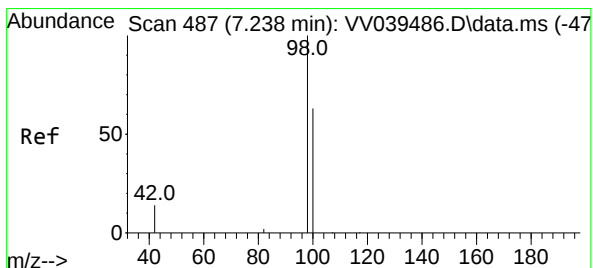
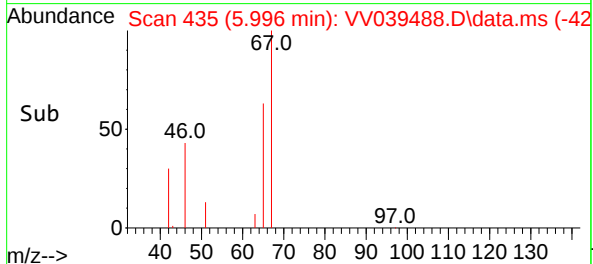
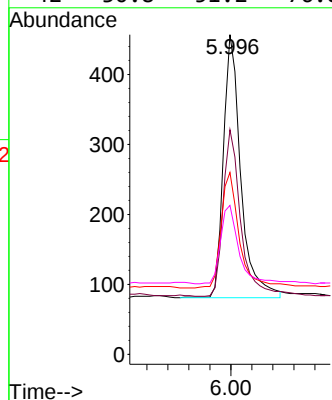
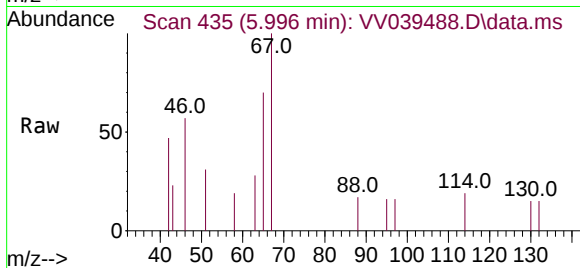




#7
1,2-Dichloropropane-d6
Concen: 0.420 ug/L
RT: 5.996 min Scan# 436
Delta R.T. -0.023 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

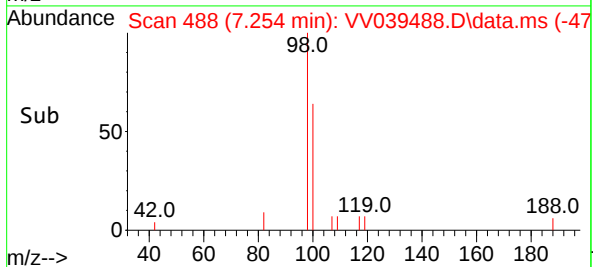
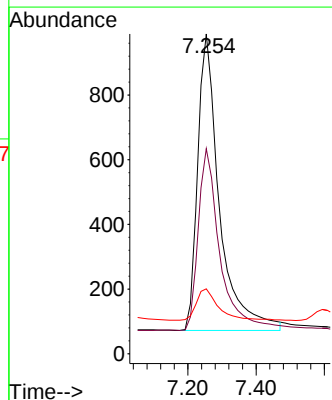
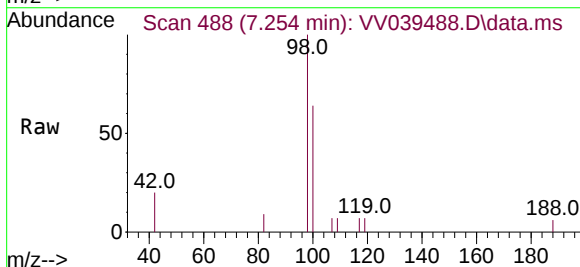
Instrument :
MSVOA_V
ClientSampleId :
TB01-120425

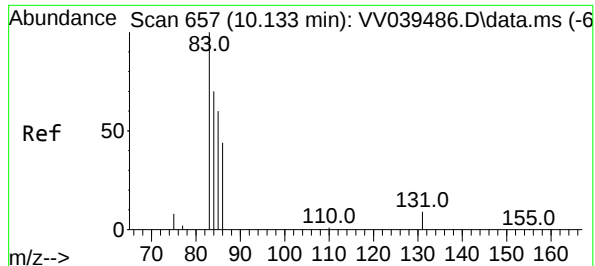
Tgt Ion:	67	Resp:	2168
Ion	Ratio	Lower	Upper
67	100		
65	63.0	37.9	56.9#
46	45.0	27.4	41.0#
42	30.8	51.2	76.8#



#8
Toluene-d8
Concen: 0.466 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039488.D
Acq: 08 Dec 2025 12:02

Tgt Ion:	98	Resp:	4063
Ion	Ratio	Lower	Upper
98	100		
100	61.2	44.5	82.7
42	10.6	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.528 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039488.D

Acq: 08 Dec 2025 12:02

Instrument :

MSVOA_V

ClientSampleId :

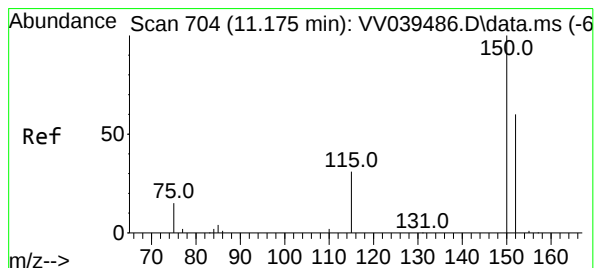
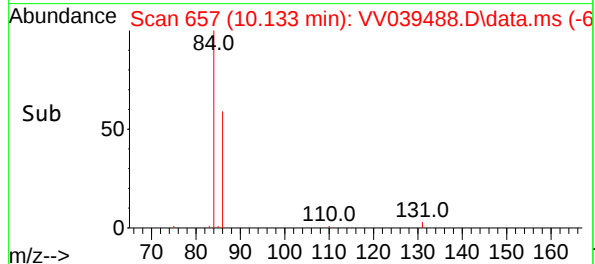
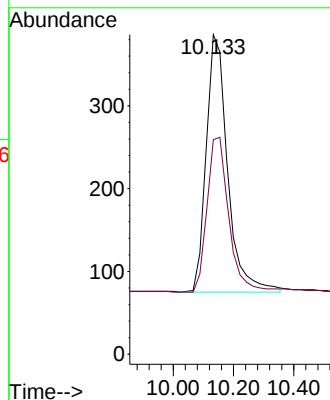
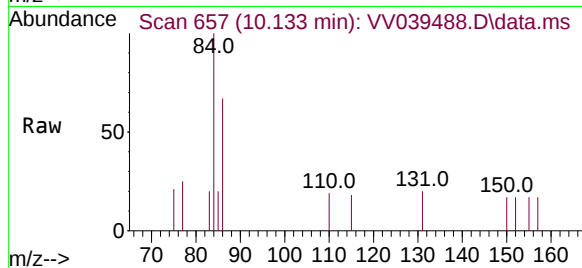
TB01-120425

Tgt Ion: 84 Resp: 1537

Ion Ratio Lower Upper

84 100

86 61.0 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: VV039488.D

Acq: 08 Dec 2025 12:02

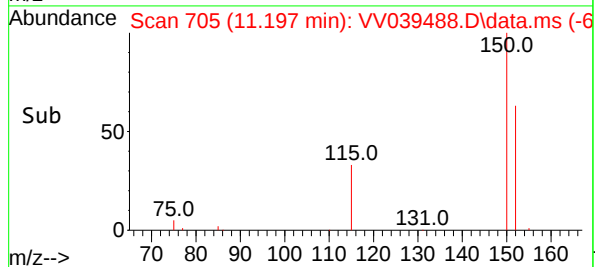
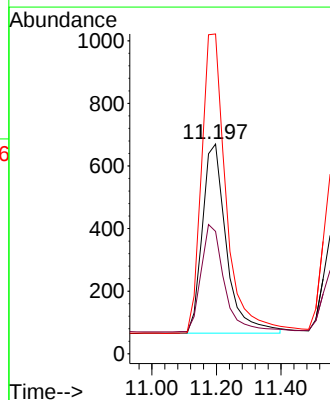
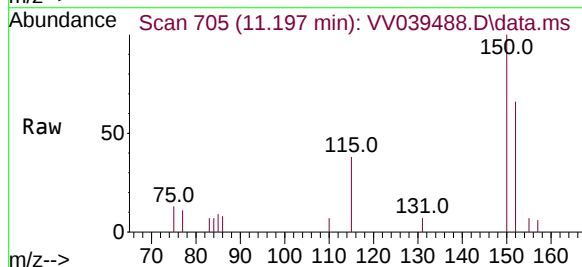
Tgt Ion:152 Resp: 3130

Ion Ratio Lower Upper

152 100

115 54.9 0.0 101.6

150 161.2 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
 Data File : VV039519.D
 Acq On : 10 Dec 2025 10:19
 Operator : SY/MD
 Sample : Q3787-22
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VHBLK001

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 11 00:05:27 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	7644	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	7099	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.197	152	3705	0.500	ug/L	0.02

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3693	0.492	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	98.000%
4) 1,2-Dichloroethane-d4	4.969	65	2027	0.398	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	80.000%
7) 1,2-Dichloropropane-d6	5.995	67	2260	0.377	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	76.000%
8) Toluene-d8	7.253	98	4326	0.428	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	86.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1639	0.486	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	98.000%

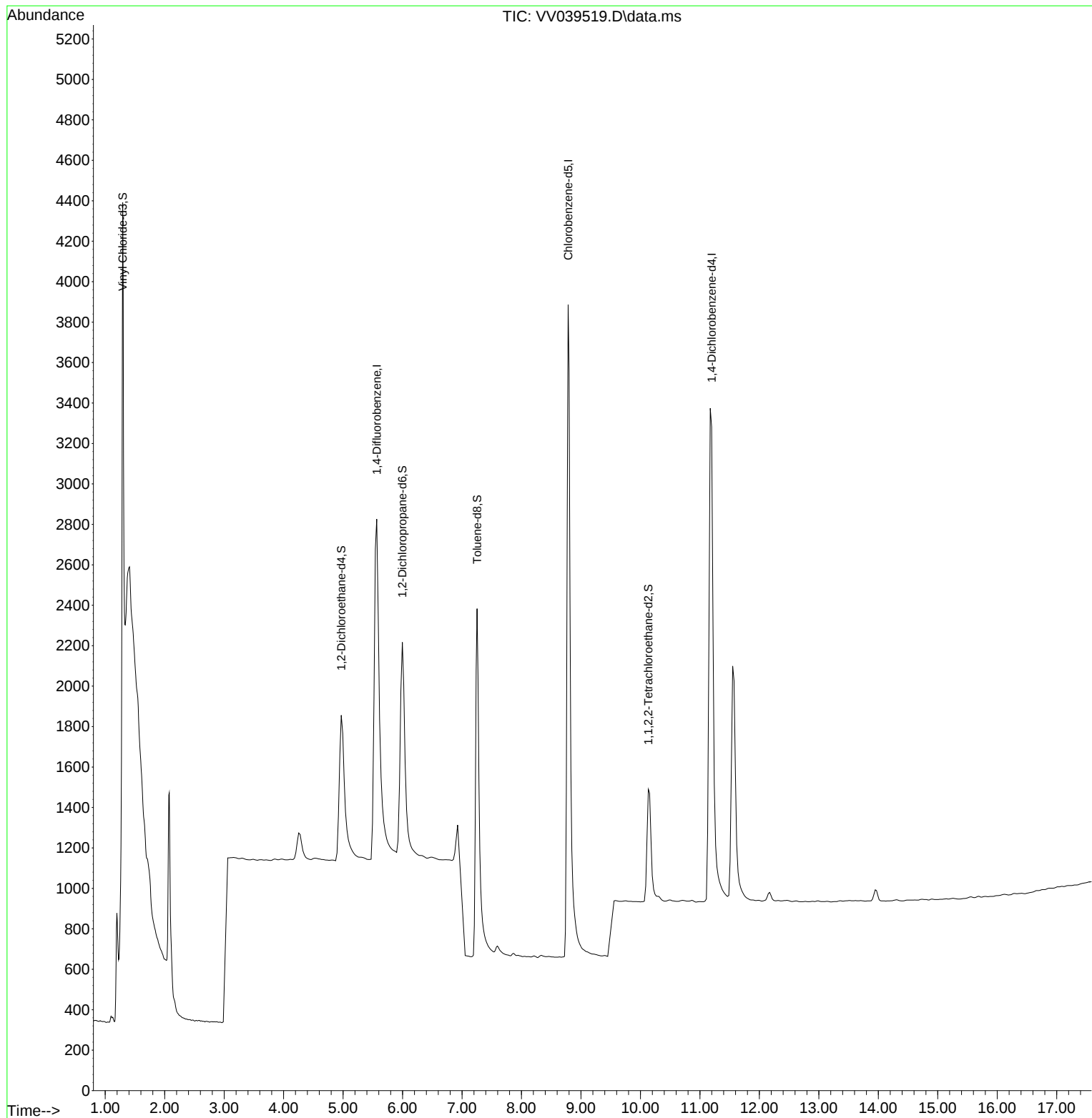
Target Compounds	Qvalue

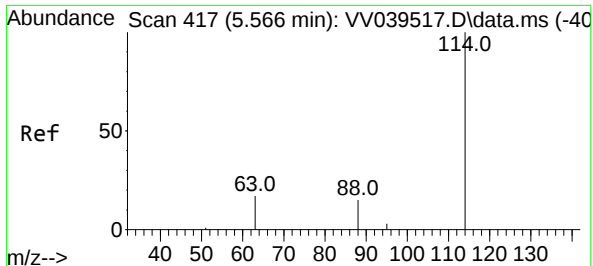
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039519.D
Acq On : 10 Dec 2025 10:19
Operator : SY/MD
Sample : Q3787-22
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Quant Time: Dec 11 00:05:27 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

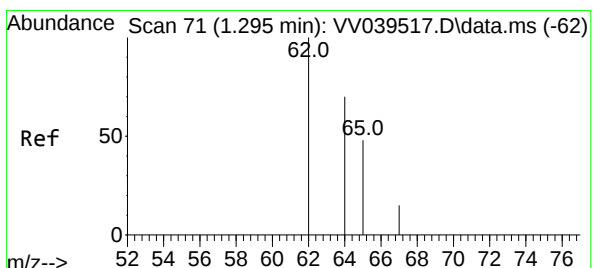
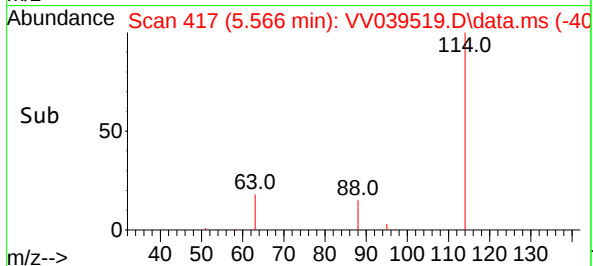
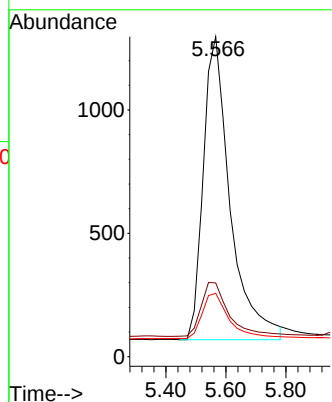
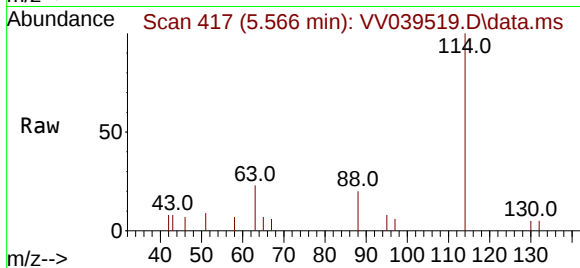




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

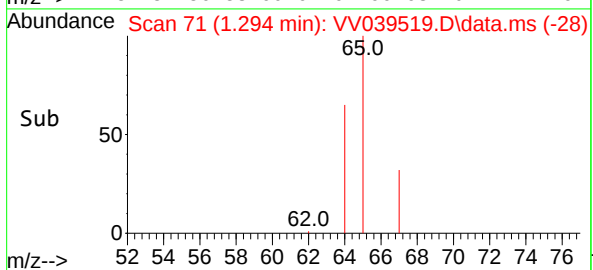
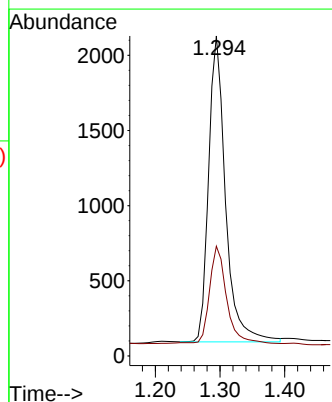
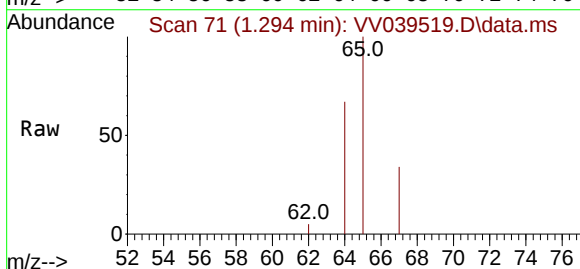
Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

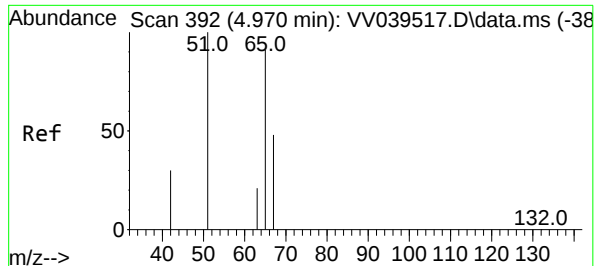
Tgt Ion:	114	Resp:	7644
Ion	Ratio	Lower	Upper
114	100		
63	18.4	15.0	22.4
88	15.1	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.492 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

Tgt Ion:	65	Resp:	3693
Ion	Ratio	Lower	Upper
65	100		
67	32.3	22.3	41.5

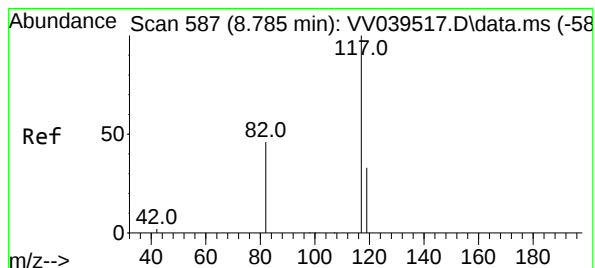
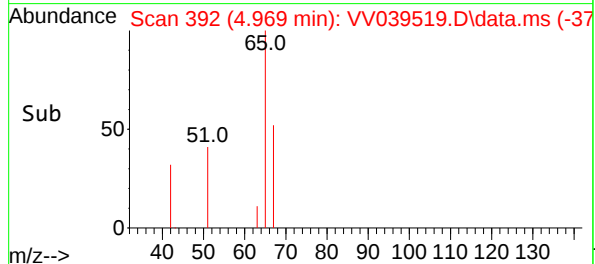
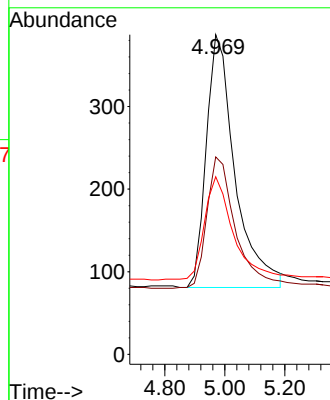
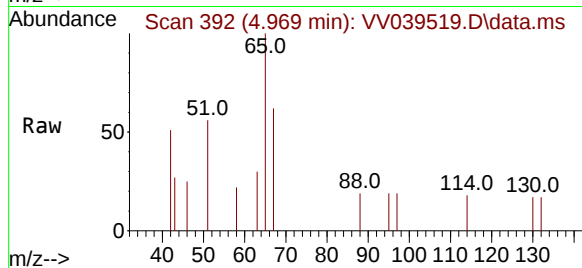




#4
1,2-Dichloroethane-d4
Concen: 0.398 ug/L
RT: 4.969 min Scan# 392
Delta R.T. 0.000 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

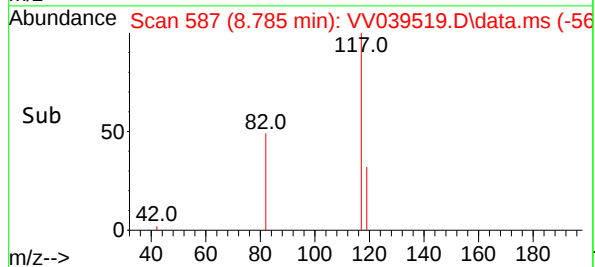
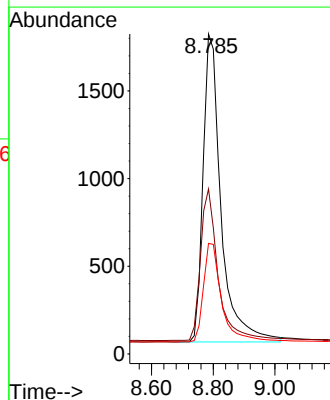
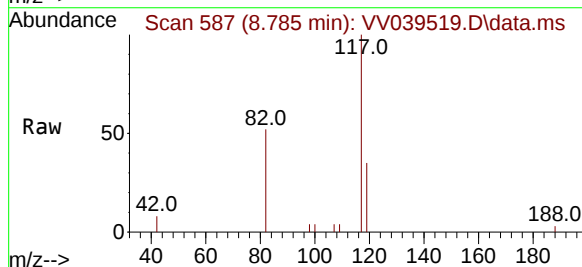
Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

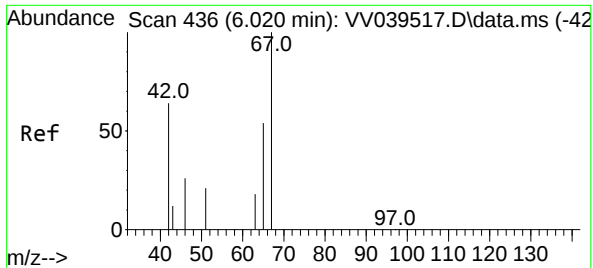
Tgt Ion: 65 Resp: 2027
Ion Ratio Lower Upper
65 100
67 52.1 32.5 60.3
51 41.4 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. -0.000 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

Tgt Ion: 117 Resp: 7099
Ion Ratio Lower Upper
117 100
82 48.5 39.4 59.2
119 32.6 26.2 39.2

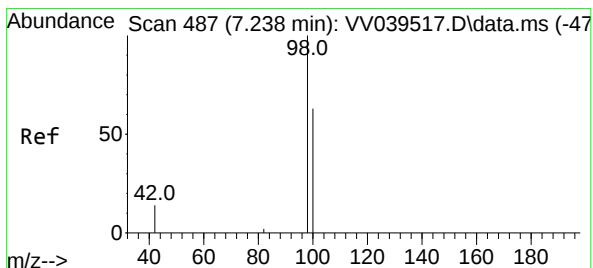
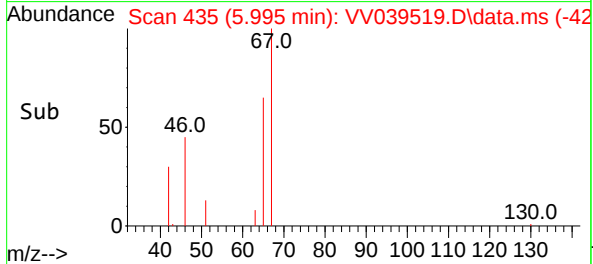
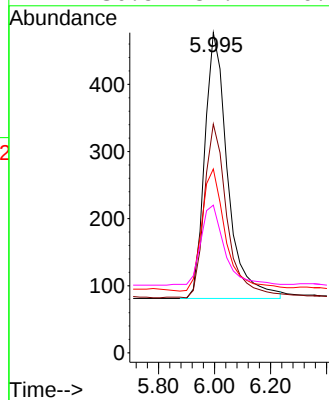
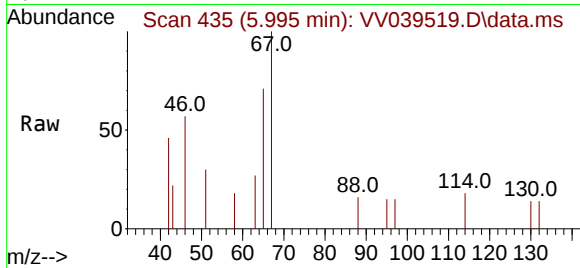




#7
1,2-Dichloropropane-d6
Concen: 0.377 ug/L
RT: 5.995 min Scan# 41
Delta R.T. -0.024 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

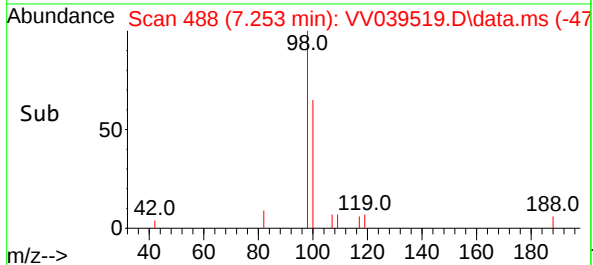
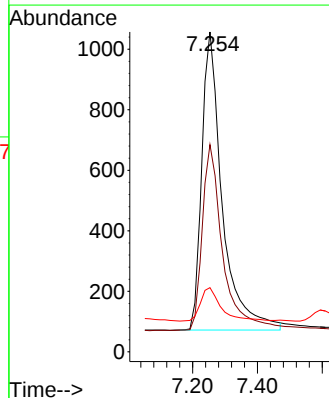
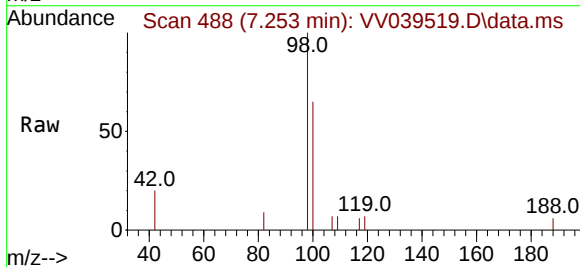
Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

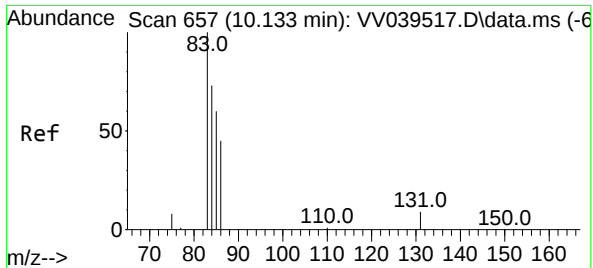
Tgt Ion:	67	Resp:	2260
Ion	Ratio	Lower	Upper
67	100		
65	65.4	37.9	56.9#
46	48.5	27.4	41.0#
42	30.8	51.2	76.8#



#8
Toluene-d8
Concen: 0.428 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.015 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

Tgt Ion:	98	Resp:	4326
Ion	Ratio	Lower	Upper
98	100		
100	61.7	44.5	82.7
42	11.2	10.1	18.7

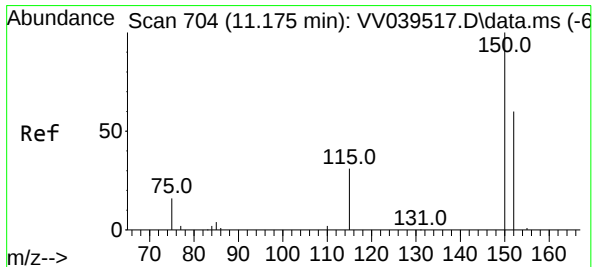
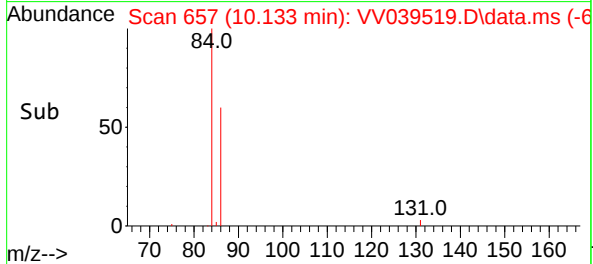
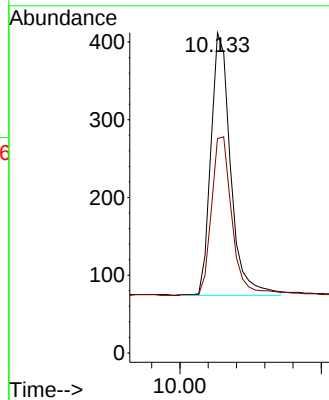
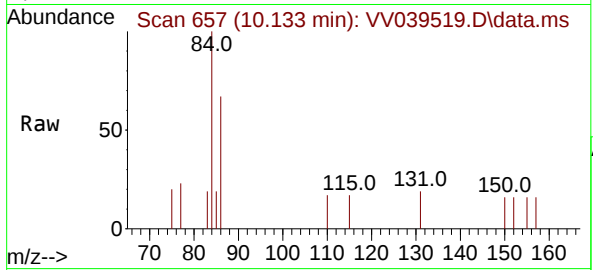




#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.486 ug/L
RT: 10.133 min Scan# 611
Delta R.T. -0.000 min
Lab File: VV039519.D
Acq: 10 Dec 2025 10:19

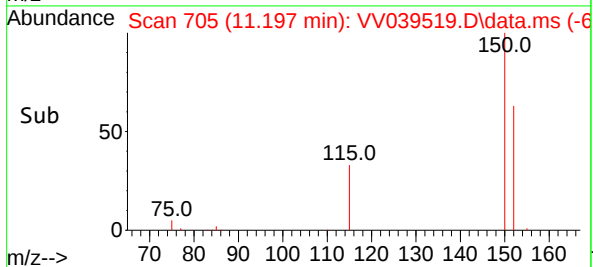
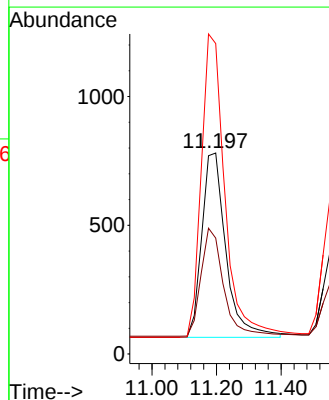
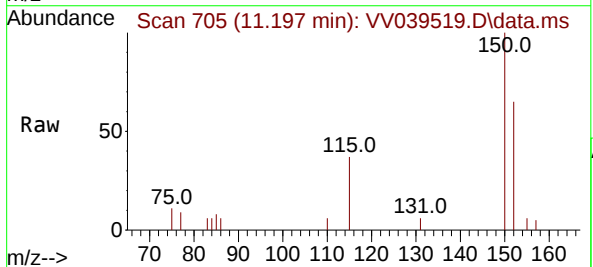
Instrument :
MSVOA_V
ClientSampleId :
VHBLK001

Tgt Ion: 84 Resp: 1639
Ion Ratio Lower Upper
84 100
86 62.9 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: VV039519.D
Acq: 10 Dec 2025 10:19

Tgt Ion:152 Resp: 3705
Ion Ratio Lower Upper
152 100
115 54.9 0.0 101.6
150 160.7 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
Data File : VV039487.D
Acq On : 08 Dec 2025 10:11
Operator : SY/MD
Sample : VV1208WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK237

Quant Time: Dec 09 01:26:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 04 00:58:46 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7024	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	6420	0.500	ug/L	0.00
12) 1,4-Dichlorobenzene-d4	11.197	152	3401	0.500	ug/L	0.02

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	3701	0.524	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	104.000%
4) 1,2-Dichloroethane-d4	4.970	65	1961	0.419	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	84.000%
7) 1,2-Dichloropropane-d6	5.996	67	2147	0.396	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	80.000%
8) Toluene-d8	7.254	98	4181	0.458	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	92.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1552	0.508	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	102.000%

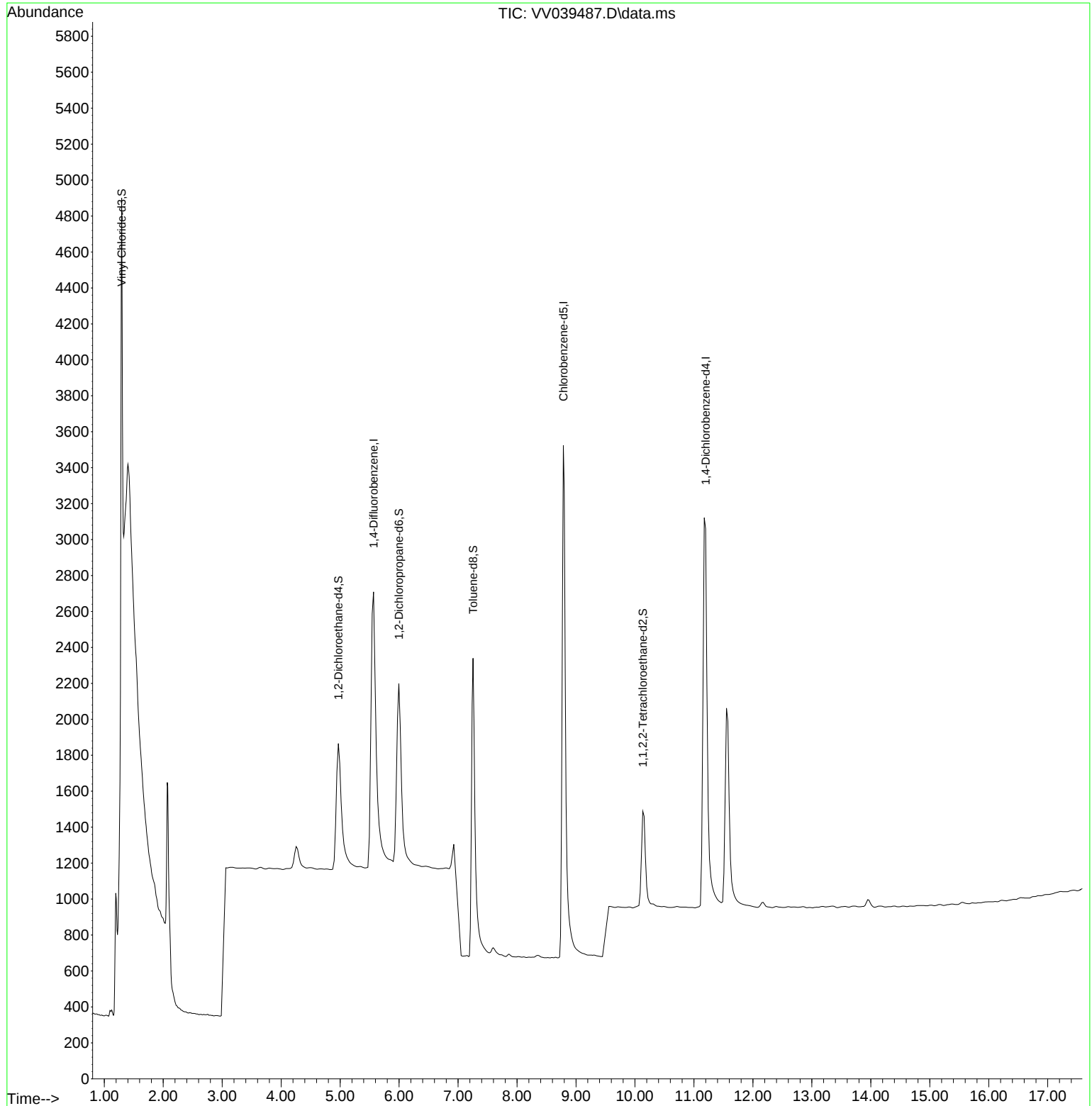
Target Compounds	Qvalue

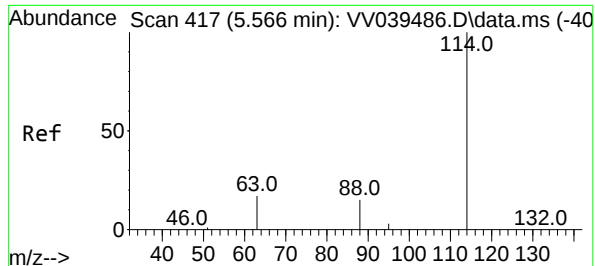
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120825\
Data File : VV039487.D
Acq On : 08 Dec 2025 10:11
Operator : SY/MD
Sample : VV1208WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK237

Quant Time: Dec 09 01:26:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM120325MA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 04 00:58:46 2025
Response via : Initial Calibration

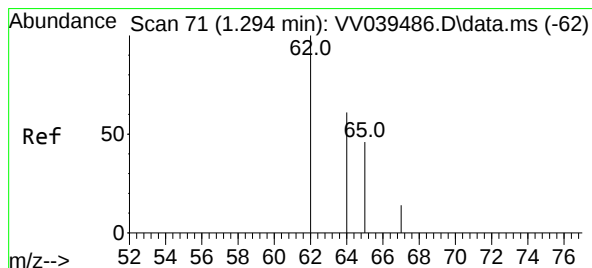
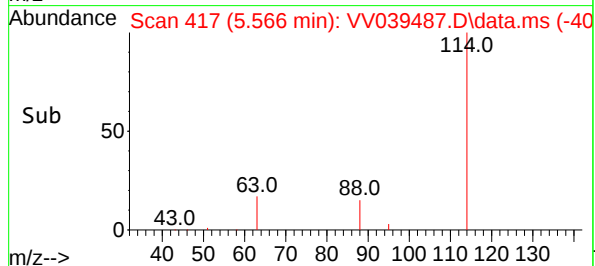
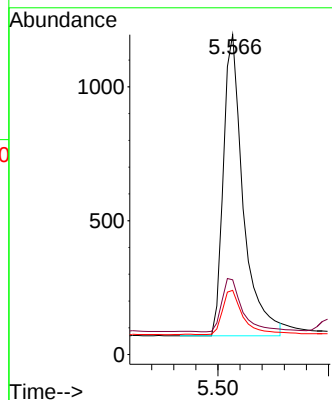
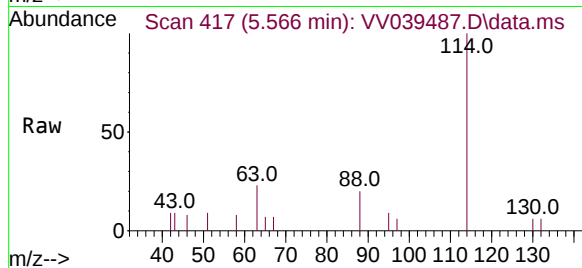




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

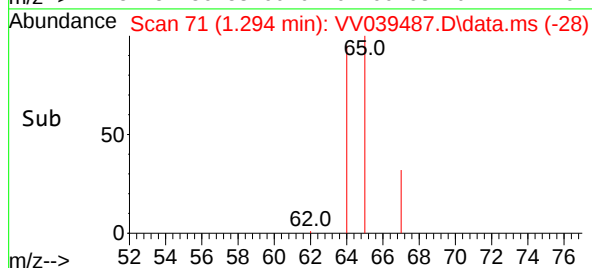
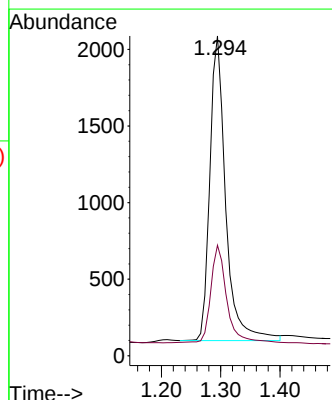
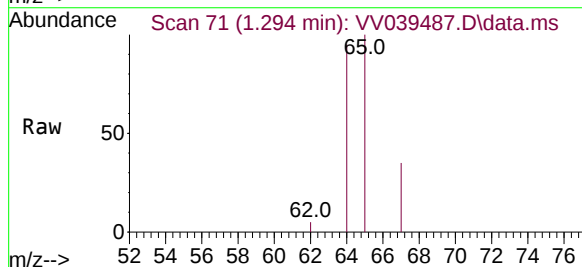
Instrument :
MSVOA_V
ClientSampleId :
VBLK237

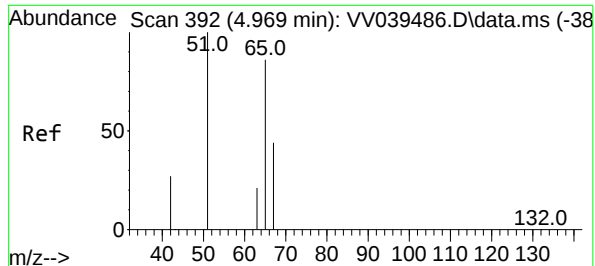
Tgt Ion:	114	Resp:	7024
Ion Ratio	Lower	Upper	
114	100		
63	18.2	15.0	22.4
88	14.9	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.524 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

Tgt Ion:	65	Resp:	3701
Ion Ratio	Lower	Upper	
65	100		
67	34.5	22.3	41.5

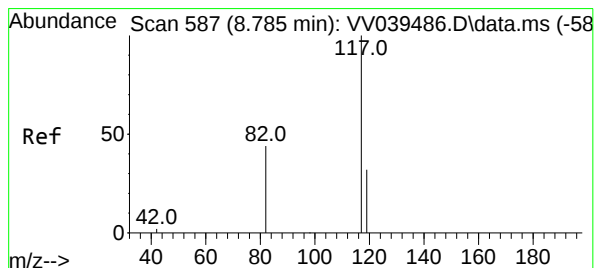
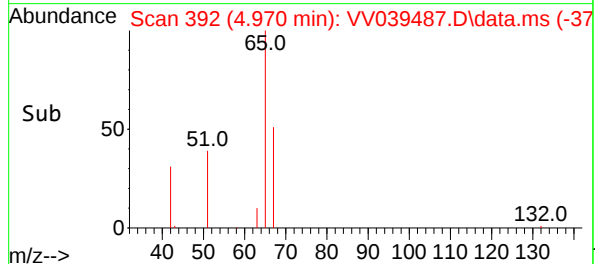
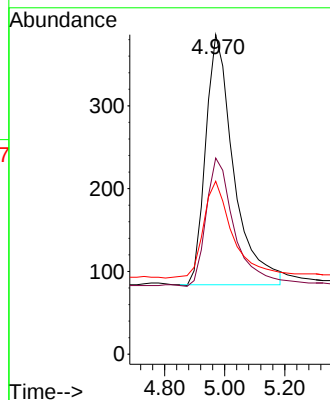
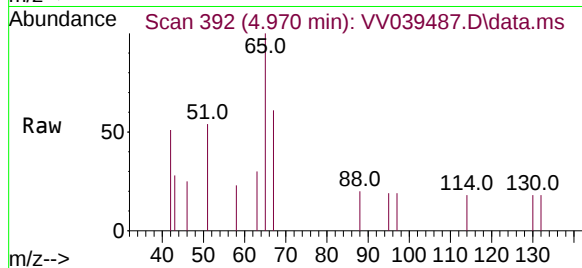




#4
1,2-Dichloroethane-d4
Concen: 0.419 ug/L
RT: 4.970 min Scan# 392
Delta R.T. 0.001 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

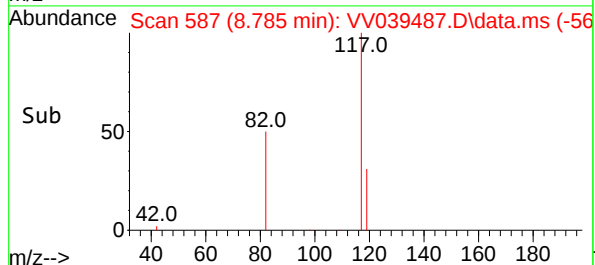
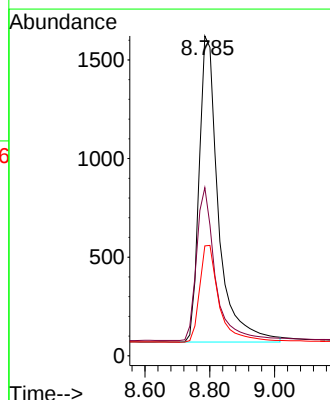
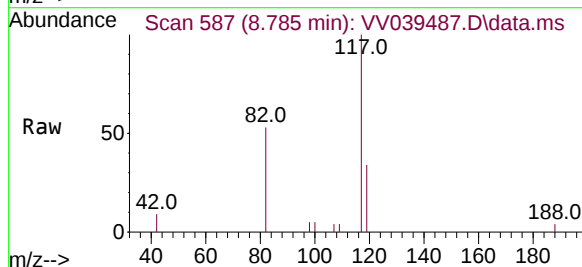
Instrument :
MSVOA_V
ClientSampleId :
VBLK237

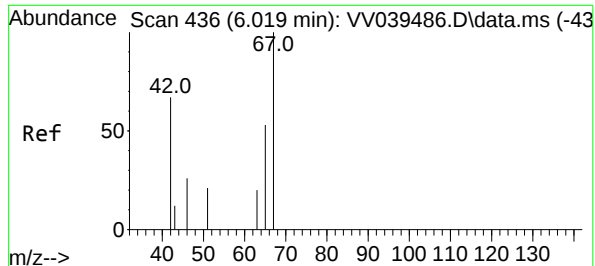
Tgt Ion: 65 Resp: 1961
Ion Ratio Lower Upper
65 100
67 51.8 32.5 60.3
51 40.8 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. 0.000 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

Tgt Ion: 117 Resp: 6420
Ion Ratio Lower Upper
117 100
82 48.5 39.4 59.2
119 32.2 26.2 39.2

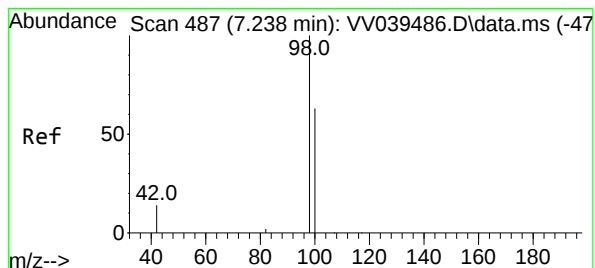
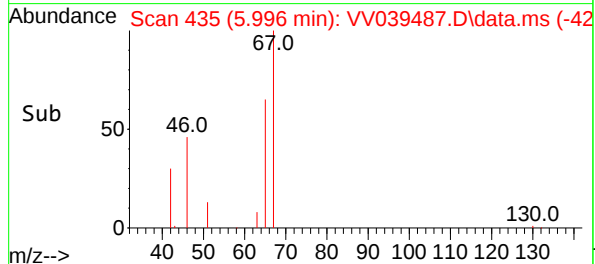
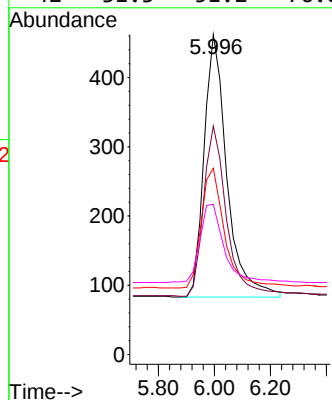
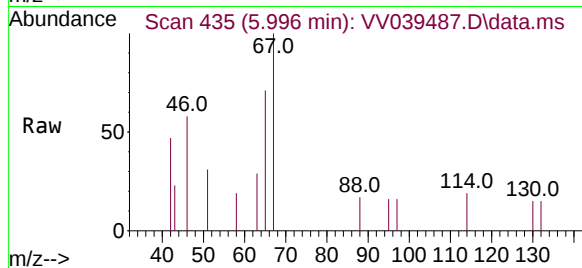




#7
1,2-Dichloropropane-d6
Concen: 0.396 ug/L
RT: 5.996 min Scan# 436
Delta R.T. -0.023 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

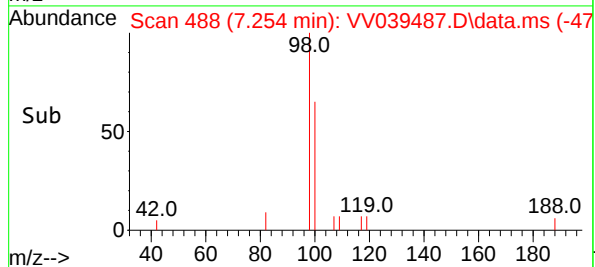
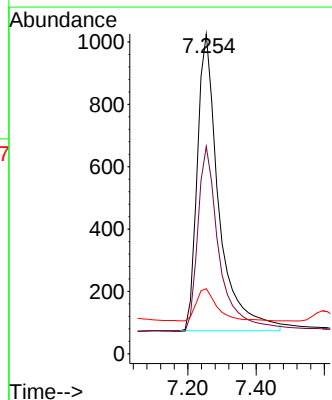
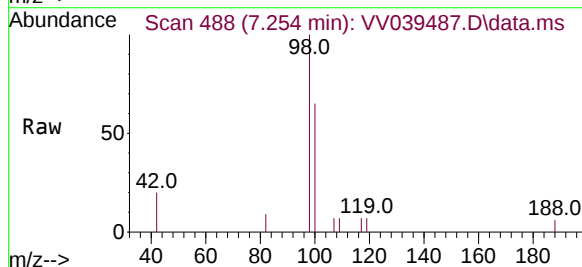
Instrument :
MSVOA_V
ClientSampleId :
VBLK237

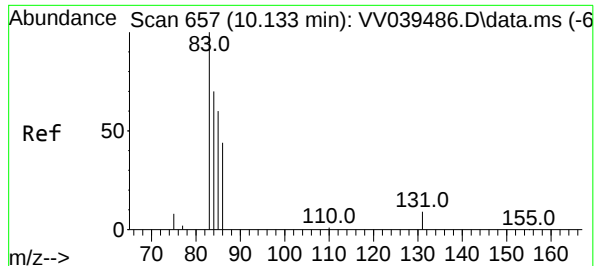
Tgt Ion:	67	Resp:	2147
Ion	Ratio	Lower	Upper
67	100		
65	65.3	37.9	56.9#
46	47.0	27.4	41.0#
42	31.3	51.2	76.8#



#8
Toluene-d8
Concen: 0.458 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039487.D
Acq: 08 Dec 2025 10:11

Tgt Ion:	98	Resp:	4181
Ion	Ratio	Lower	Upper
98	100		
100	62.2	44.5	82.7
42	10.3	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.508 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039487.D

Acq: 08 Dec 2025 10:11

Instrument :

MSVOA_V

ClientSampleId :

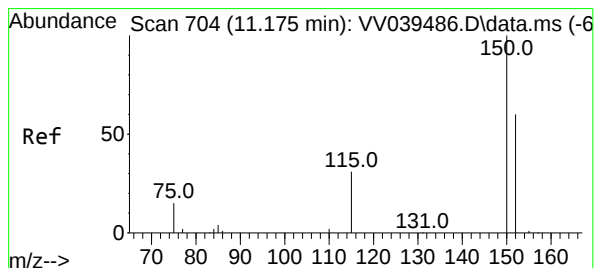
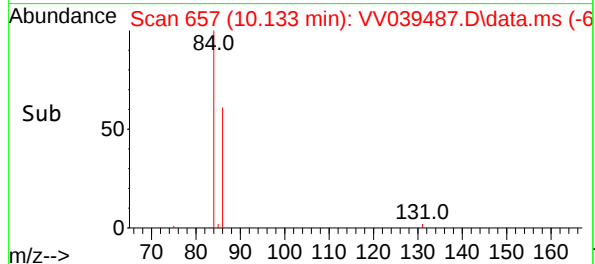
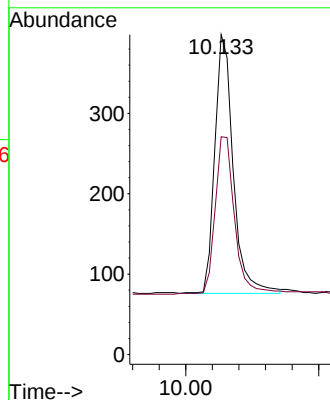
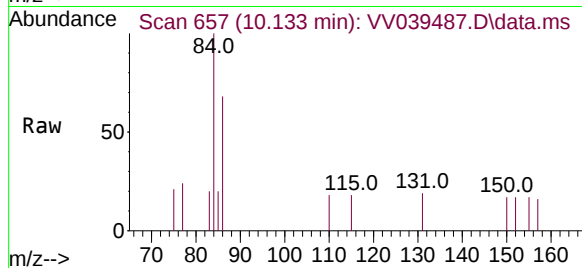
VBLK237

Tgt Ion: 84 Resp: 1552

Ion Ratio Lower Upper

84 100

86 64.0 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: VV039487.D

Acq: 08 Dec 2025 10:11

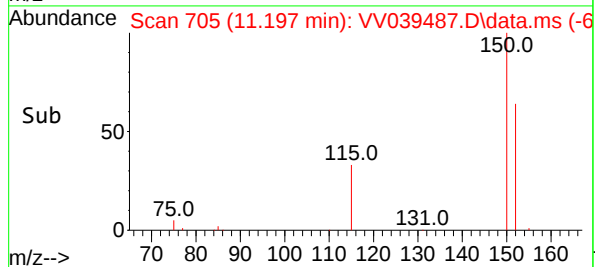
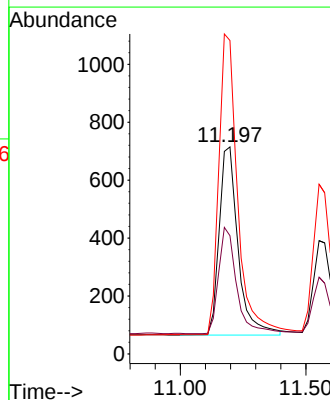
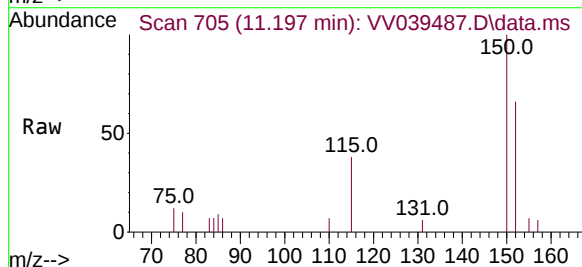
Tgt Ion:152 Resp: 3401

Ion Ratio Lower Upper

152 100

115 53.7 0.0 101.6

150 158.2 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039502.D
Acq On : 09 Dec 2025 14:29
Operator : SY/MD
Sample : VV1209WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 10 01:16:27 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	6387	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.801	117	5976	0.500	ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.198	152	3086	0.500	ug/L	0.02

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.295	65	3547	0.566	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	114.000%
4) 1,2-Dichloroethane-d4	4.970	65	1848	0.435	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	86.000%
7) 1,2-Dichloropropane-d6	5.996	67	2092	0.415	ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	=	82.000%
8) Toluene-d8	7.254	98	4027	0.473	ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	=	94.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1438	0.506	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	102.000%

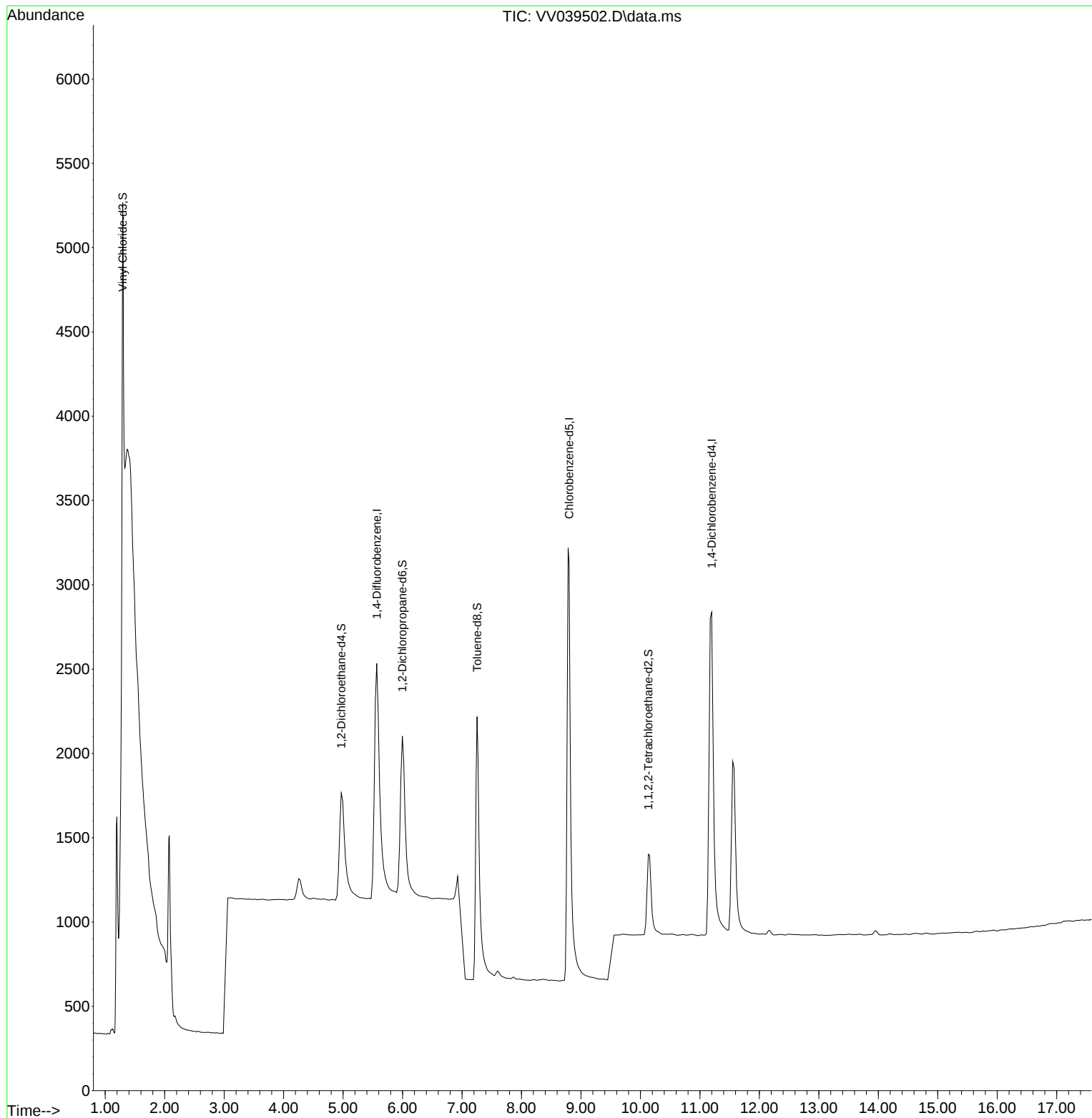
Target Compounds	Qvalue

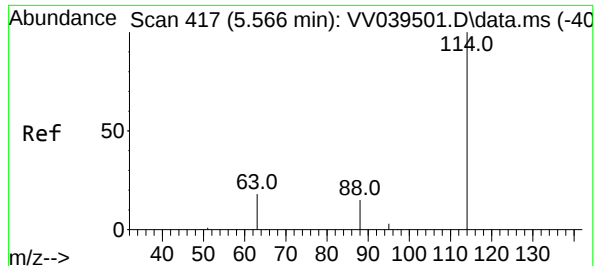
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120925\
Data File : VV039502.D
Acq On : 09 Dec 2025 14:29
Operator : SY/MD
Sample : VV1209WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK238

Quant Time: Dec 10 01:16:27 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

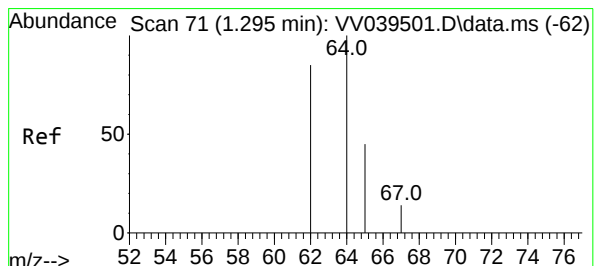
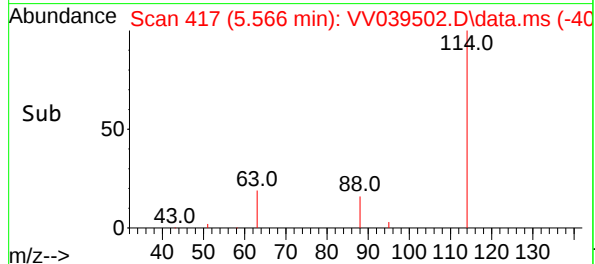
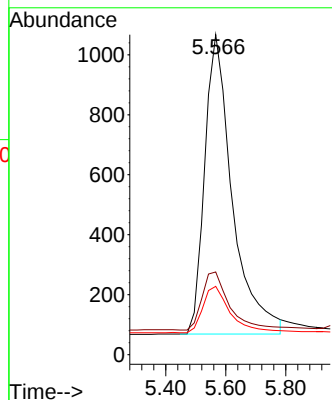
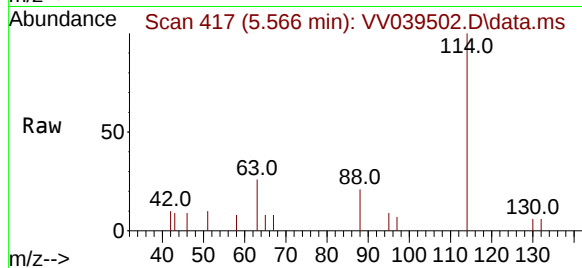




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

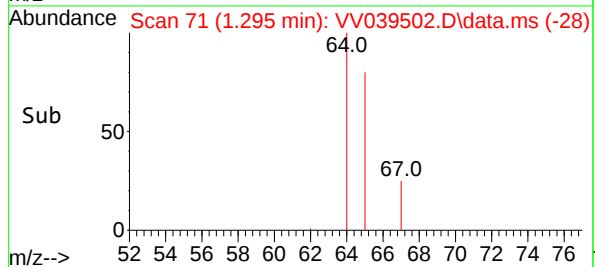
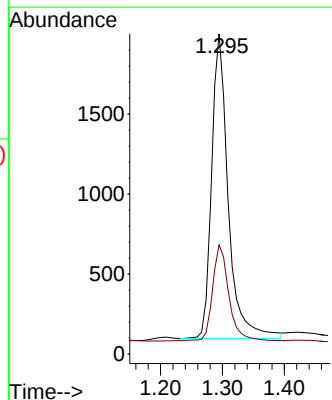
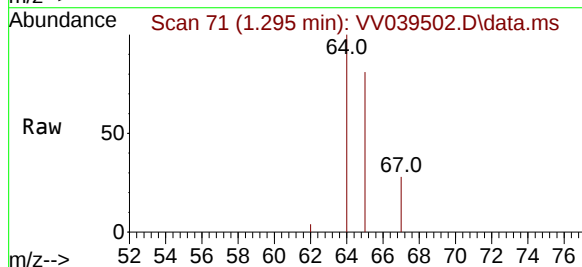
Instrument :
MSVOA_V
ClientSampleId :
VBLK238

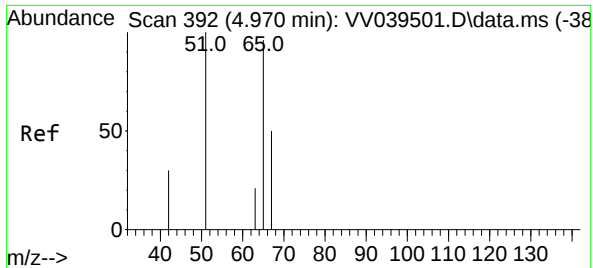
Tgt Ion:	114	Resp:	6387
Ion	Ratio	Lower	Upper
114	100		
63	19.4	15.0	22.4
88	15.4	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.566 ug/L
RT: 1.295 min Scan# 71
Delta R.T. 0.001 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Tgt Ion:	65	Resp:	3547
Ion	Ratio	Lower	Upper
65	100		
67	31.5	22.3	41.5

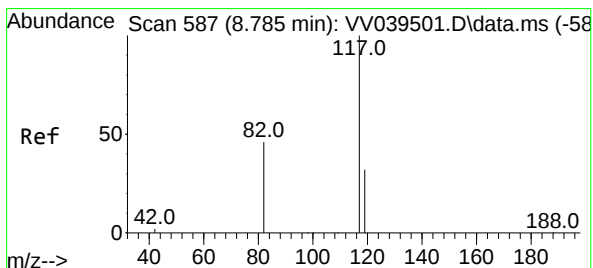
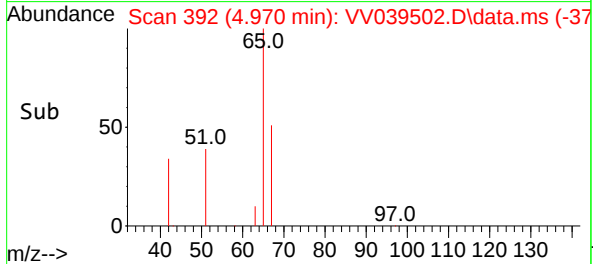
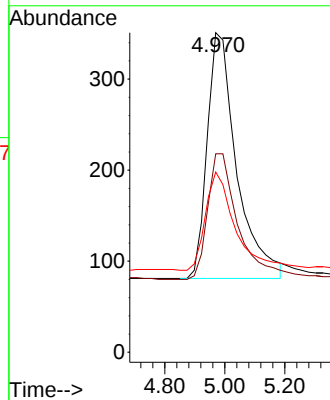
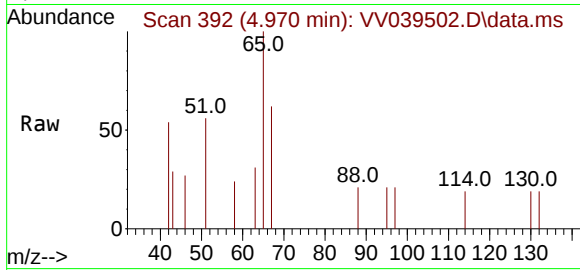




#4
1,2-Dichloroethane-d4
Concen: 0.435 ug/L
RT: 4.970 min Scan# 392
Delta R.T. 0.001 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

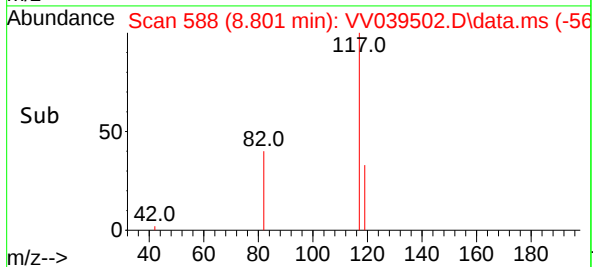
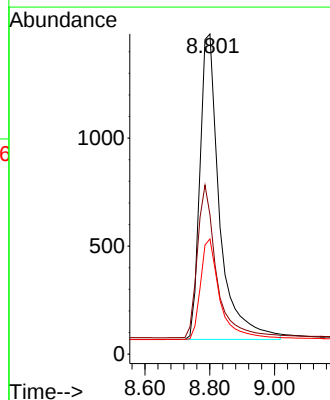
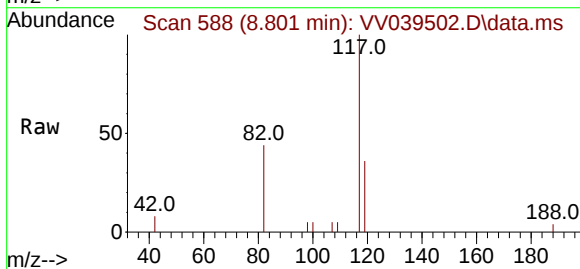
Instrument :
MSVOA_V
ClientSampleId :
VBLK238

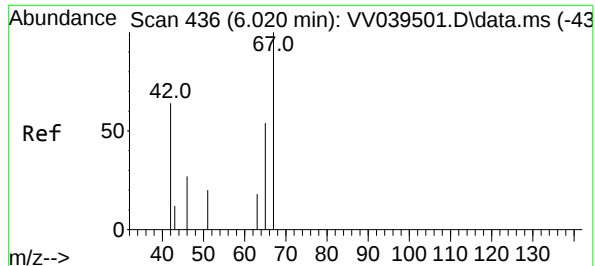
Tgt Ion: 65 Resp: 1848
Ion Ratio Lower Upper
65 100
67 52.3 32.5 60.3
51 39.8 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.801 min Scan# 588
Delta R.T. 0.016 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Tgt Ion: 117 Resp: 5976
Ion Ratio Lower Upper
117 100
82 48.7 39.4 59.2
119 32.9 26.2 39.2

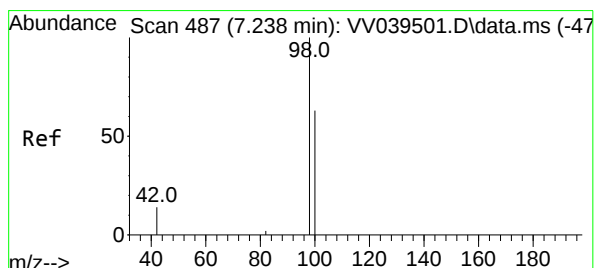
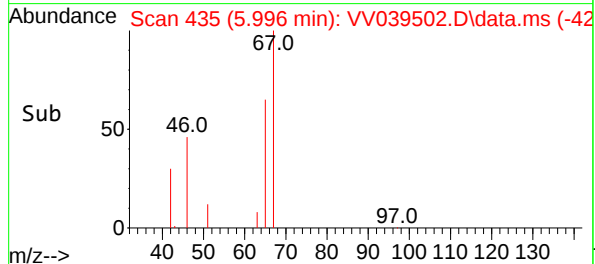
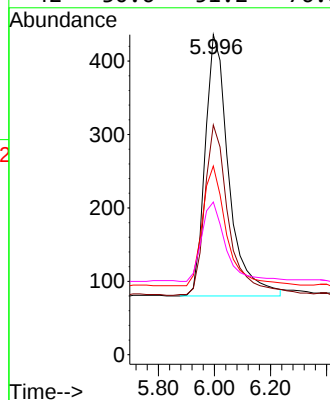
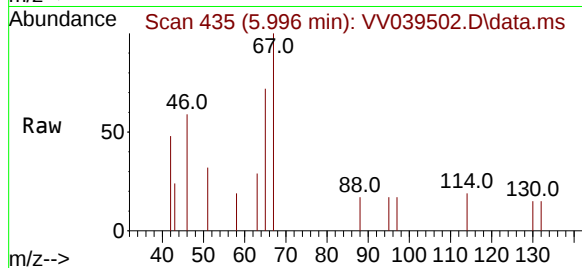




#7
1,2-Dichloropropane-d6
Concen: 0.415 ug/L
RT: 5.996 min Scan# 41
Delta R.T. -0.023 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

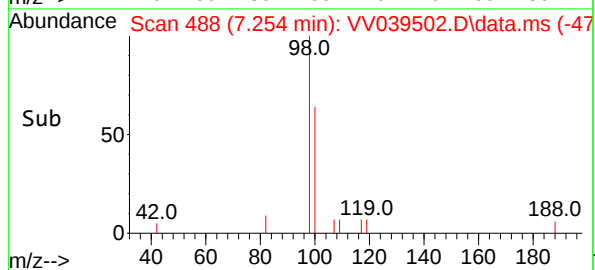
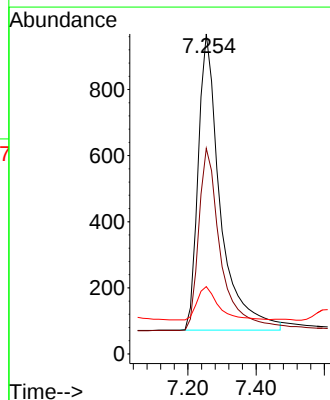
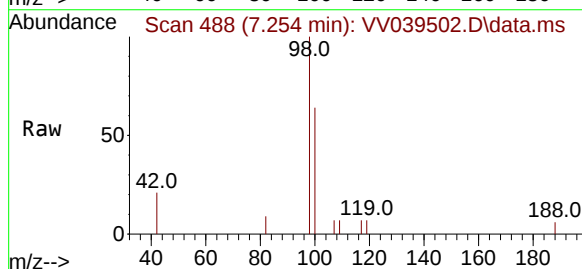
Instrument :
MSVOA_V
ClientSampleId :
VBLK238

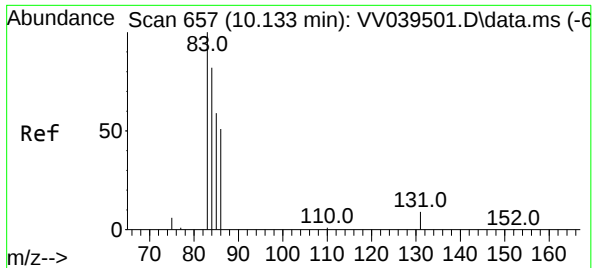
Tgt Ion:	67	Resp:	2092
Ion	Ratio	Lower	Upper
67	100		
65	65.8	37.9	56.9#
46	46.0	27.4	41.0#
42	30.6	51.2	76.8#



#8
Toluene-d8
Concen: 0.473 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.016 min
Lab File: VV039502.D
Acq: 09 Dec 2025 14:29

Tgt Ion:	98	Resp:	4027
Ion	Ratio	Lower	Upper
98	100		
100	61.6	44.5	82.7
42	10.7	10.1	18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.506 ug/L

RT: 10.133 min Scan# 61

Delta R.T. 0.000 min

Lab File: VV039502.D

Acq: 09 Dec 2025 14:29

Instrument :

MSVOA_V

ClientSampleId :

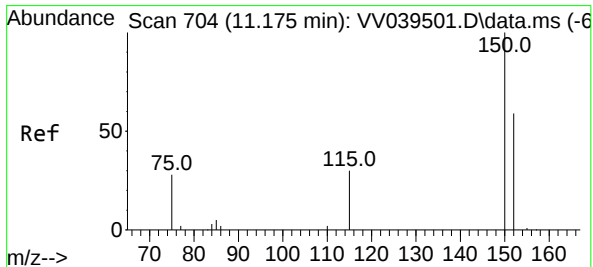
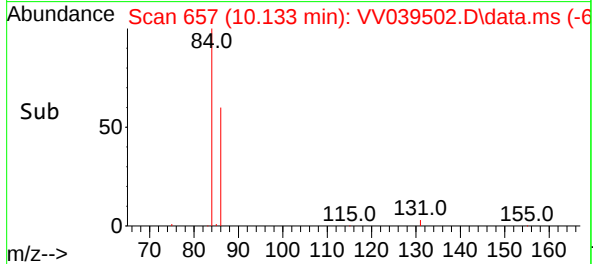
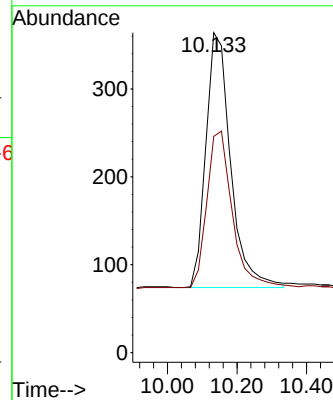
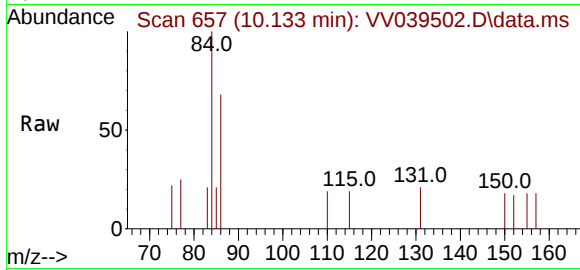
VBLK238

Tgt Ion: 84 Resp: 1438

Ion Ratio Lower Upper

84 100

86 62.9 44.4 82.5



#12

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.198 min Scan# 705

Delta R.T. 0.023 min

Lab File: VV039502.D

Acq: 09 Dec 2025 14:29

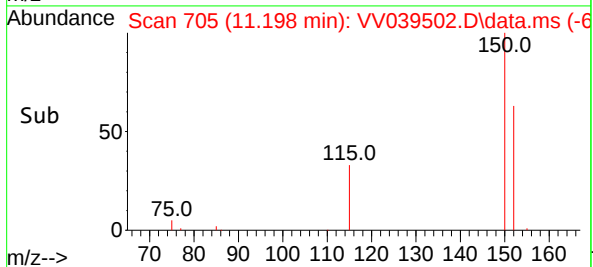
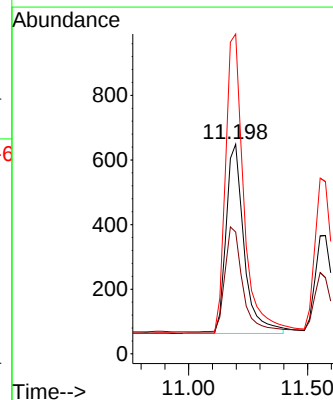
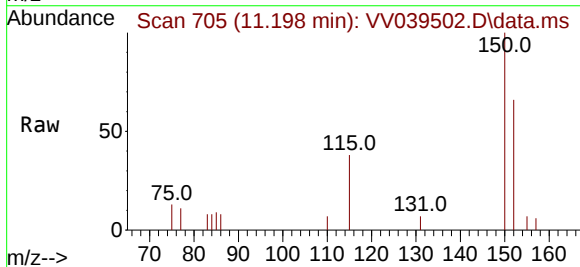
Tgt Ion: 152 Resp: 3086

Ion Ratio Lower Upper

152 100

115 54.4 0.0 101.6

150 158.6 0.0 396.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039518.D
Acq On : 10 Dec 2025 09:36
Operator : SY/MD
Sample : VV1210WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK239

A
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D
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F
G
H
I
J

Quant Time: Dec 11 00:05:16 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	5966	0.500 ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5775	0.500 ug/L	0.02
12) 1,4-Dichlorobenzene-d4	11.197	152	2945	0.500 ug/L	0.02

System Monitoring Compounds					
2) Vinyl Chloride-d3	1.294	65	3410	0.582 ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	= 116.000%
4) 1,2-Dichloroethane-d4	4.969	65	1886	0.475 ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	= 94.000%
7) 1,2-Dichloropropane-d6	5.995	67	2149	0.441 ug/L	-0.02
Spiked Amount	0.500	Range	60 - 140	Recovery	= 88.000%
8) Toluene-d8	7.253	98	4093	0.498 ug/L	0.02
Spiked Amount	0.500	Range	70 - 130	Recovery	= 100.000%
10) 1,1,2,2-Tetrachloroeth...	10.133	84	1521	0.554 ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	= 110.000%

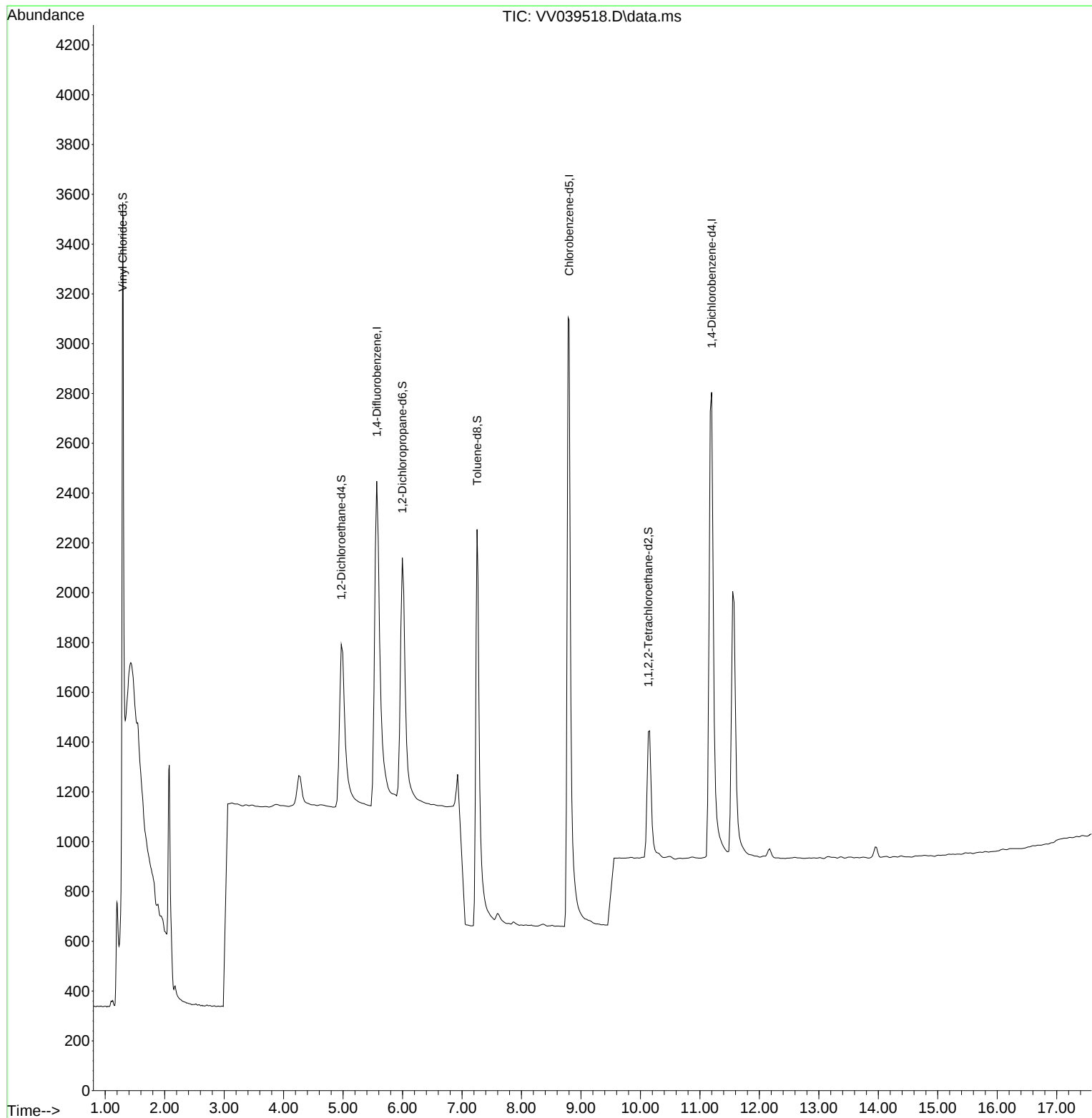
Target Compounds	Qvalue

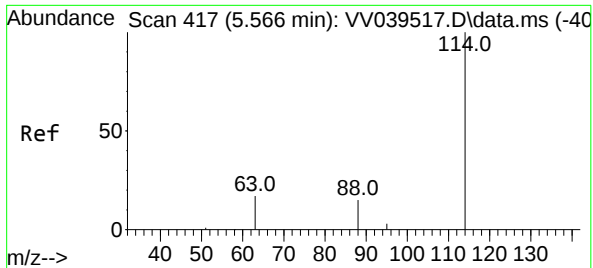
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV121025\
Data File : VV039518.D
Acq On : 10 Dec 2025 09:36
Operator : SY/MD
Sample : VV1210WBL01
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK239

Quant Time: Dec 11 00:05:16 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

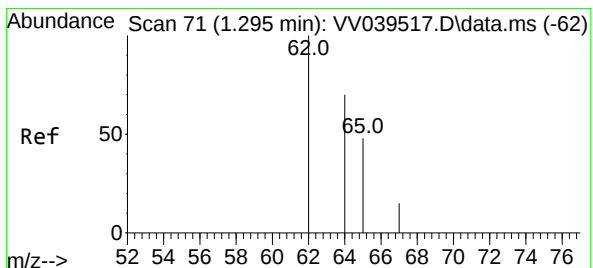
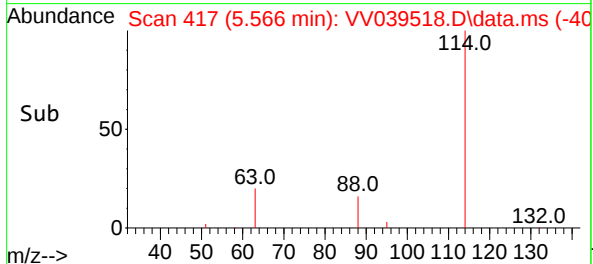
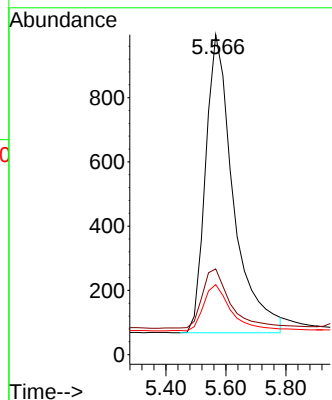
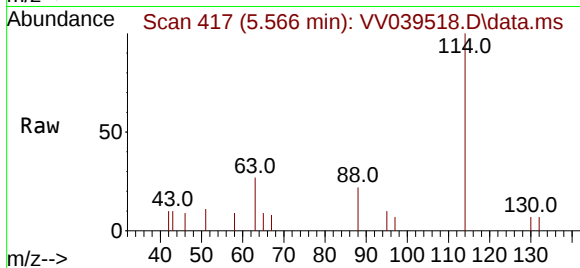




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

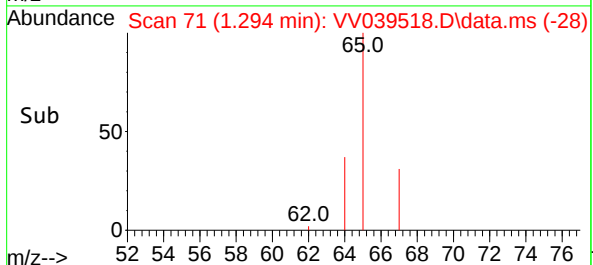
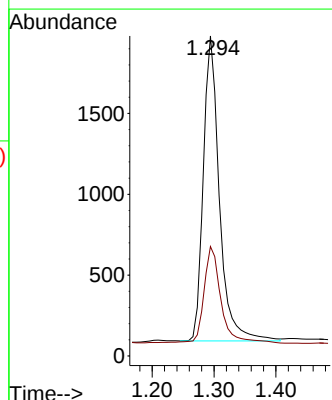
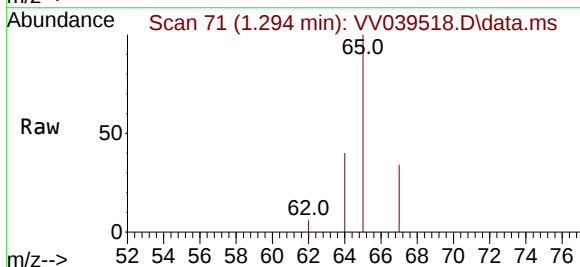
Instrument :
MSVOA_V
ClientSampleId :
VBLK239

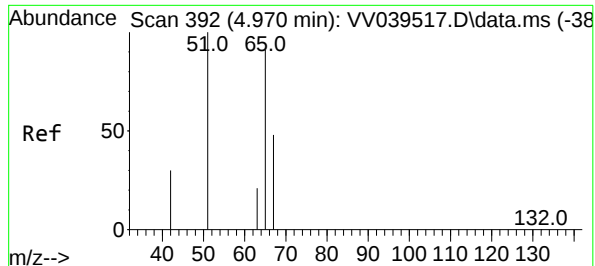
Tgt Ion:	114	Resp:	5966
Ion	Ratio	Lower	Upper
114	100		
63	20.1	15.0	22.4
88	15.4	12.0	18.0



#2
Vinyl Chloride-d3
Concen: 0.582 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.000 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

Tgt Ion:	65	Resp:	3410
Ion	Ratio	Lower	Upper
65	100		
67	34.0	22.3	41.5

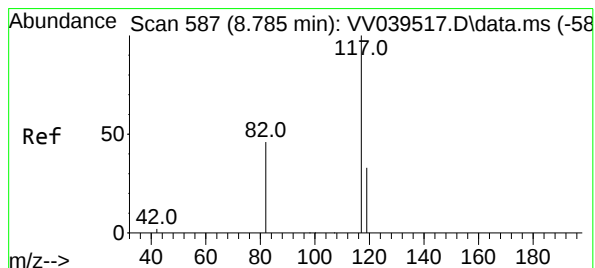
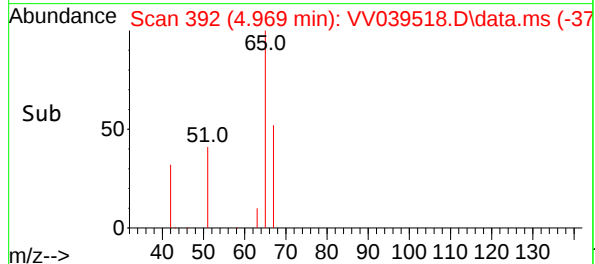
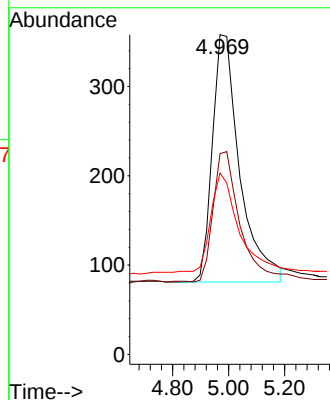
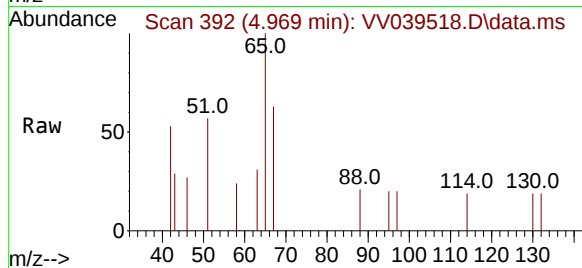




#4
1,2-Dichloroethane-d4
Concen: 0.475 ug/L
RT: 4.969 min Scan# 392
Delta R.T. 0.000 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

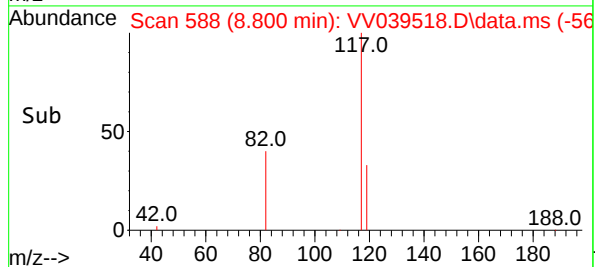
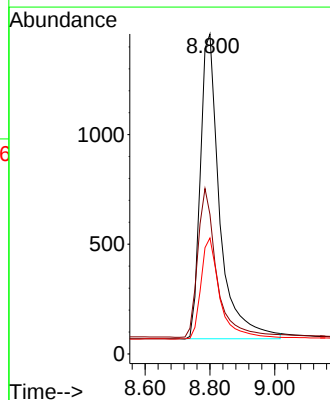
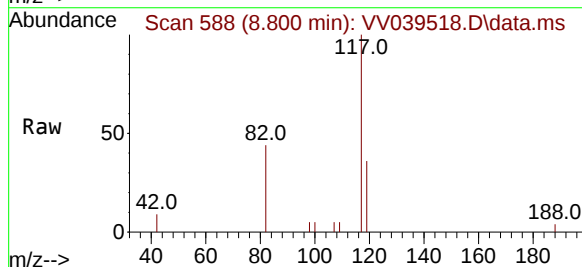
Instrument :
MSVOA_V
ClientSampleId :
VBLK239

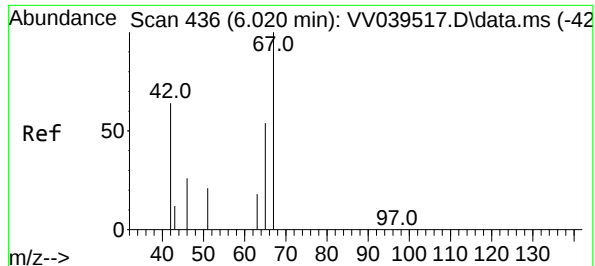
Tgt Ion: 65 Resp: 1886
Ion Ratio Lower Upper
65 100
67 51.6 32.5 60.3
51 41.7 121.4 225.6#



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.800 min Scan# 588
Delta R.T. 0.015 min
Lab File: VV039518.D
Acq: 10 Dec 2025 09:36

Tgt Ion: 117 Resp: 5775
Ion Ratio Lower Upper
117 100
82 47.8 39.4 59.2
119 32.9 26.2 39.2





#7

1,2-Dichloropropane-d6

Concen: 0.441 ug/L

RT: 5.995 min Scan# 41

Delta R.T. -0.024 min

Lab File: VV039518.D

Acq: 10 Dec 2025 09:36

Instrument :

MSVOA_V

ClientSampleId :

VBLK239

Tgt Ion: 67 Resp: 2149

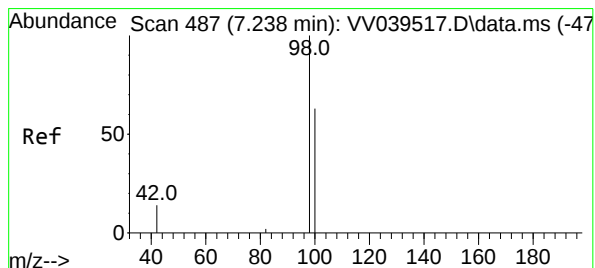
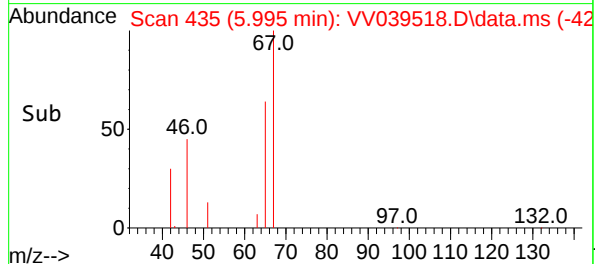
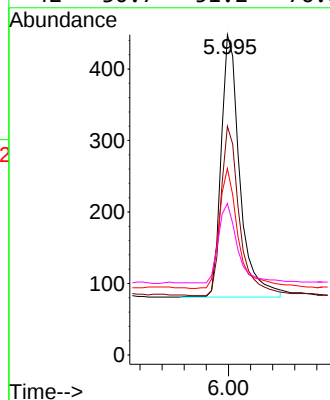
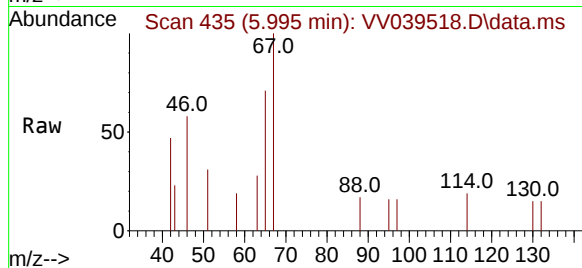
Ion Ratio Lower Upper

67 100

65 64.0 37.9 56.9#

46 46.5 27.4 41.0#

42 30.7 51.2 76.8#



#8

Toluene-d8

Concen: 0.498 ug/L

RT: 7.253 min Scan# 488

Delta R.T. 0.015 min

Lab File: VV039518.D

Acq: 10 Dec 2025 09:36

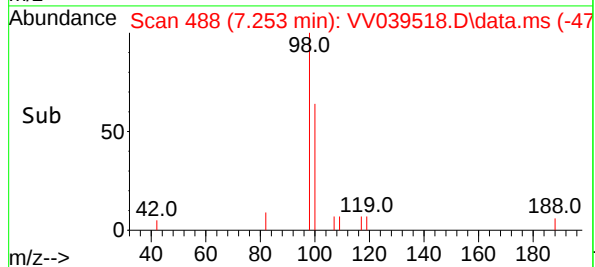
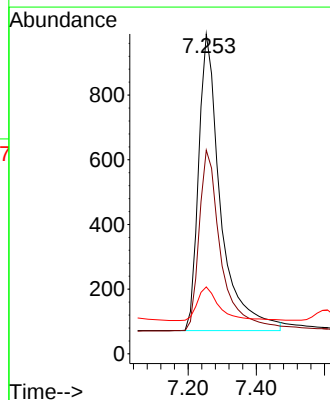
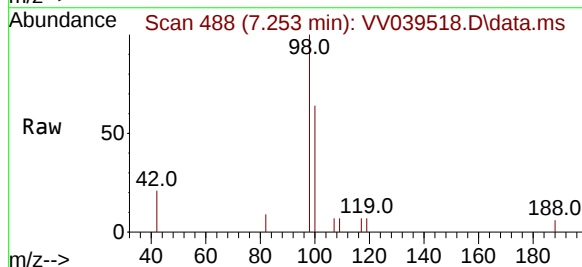
Tgt Ion: 98 Resp: 4093

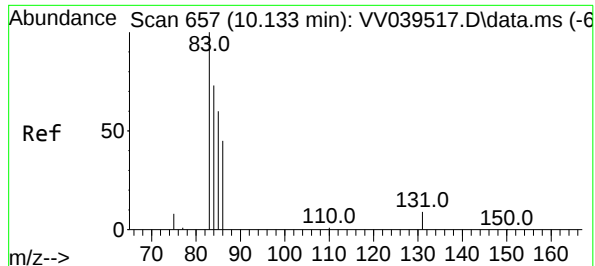
Ion Ratio Lower Upper

98 100

100 60.7 44.5 82.7

42 11.3 10.1 18.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.554 ug/L

RT: 10.133 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV039518.D

Acq: 10 Dec 2025 09:36

Instrument :

MSVOA_V

ClientSampleId :

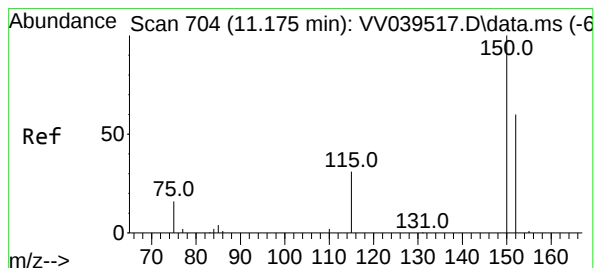
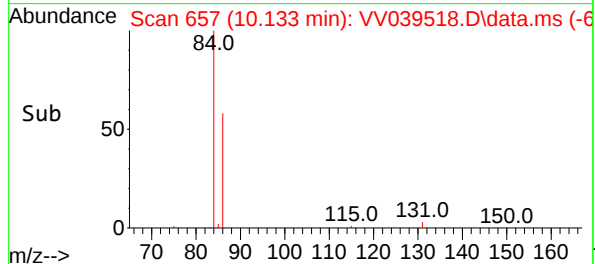
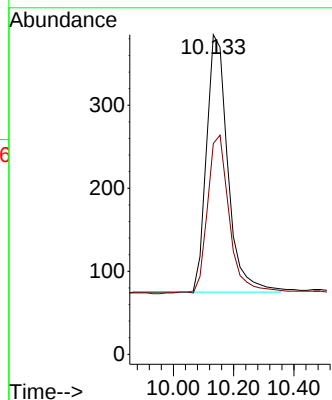
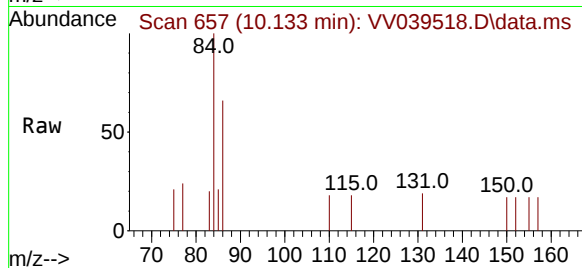
VBLK239

Tgt Ion: 84 Resp: 1521

Ion Ratio Lower Upper

84 100

86 64.0 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: VV039518.D

Acq: 10 Dec 2025 09:36

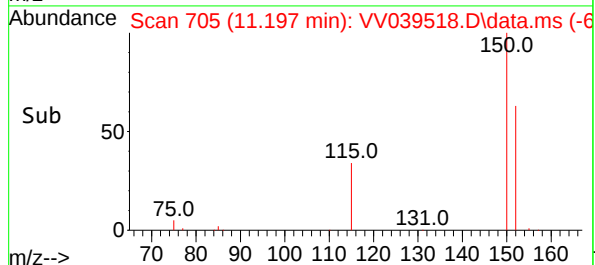
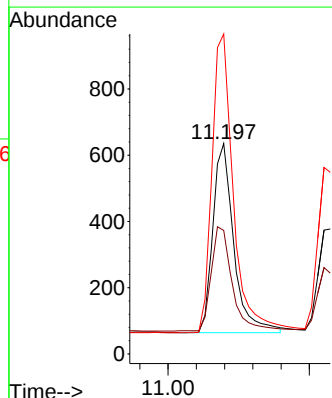
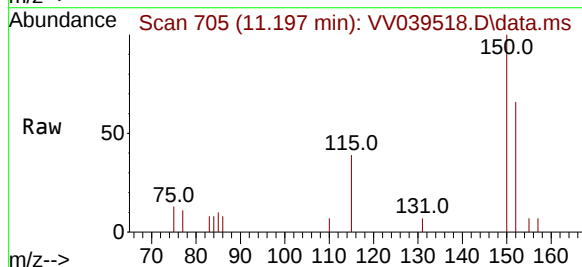
Tgt Ion: 152 Resp: 2945

Ion Ratio Lower Upper

152 100

115 55.2 0.0 101.6

150 160.1 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
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:

VV120825

Instrument

MSVOA_v

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	VV120925	Instrument	MSVOA_v
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3787-16	VV039510.D	Vinyl Chloride-d3	JOHN	12/10/2025 9:02:06 AM	MMDadoda	12/10/2025 10:10:03 AM	Peak Integrated by Software
Q3787-18	VV039511.D	Vinyl Chloride-d3	JOHN	12/10/2025 9:02:14 AM	MMDadoda	12/10/2025 10:10:08 AM	Peak Integrated by Software
Q3787-20	VV039512.D	Vinyl Chloride-d3	JOHN	12/10/2025 9:02:19 AM	MMDadoda	12/10/2025 10:10:12 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VV121025

Instrument

MSVOA_v

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

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/QCBatch ID # VV120825

Review By	John Carlone	Review On	12/9/2025 1:29:19 PM
Supervise By	Maresh Dadoda	Supervise On	12/10/2025 8:56:42 AM
SubDirectory	VV120825	HP Acquire Method	sim_v
		HP Processing Method	SFAMVSIM120325MA.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136594		
CCC	VP136596,VP136597		
Internal Standard/PEM	VP135611		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB247	VV039485.D	08 Dec 2025 08:14	SY/MD	Ok
2	VSTDCCC0.5	VV039486.D	08 Dec 2025 09:00	SY/MD	Ok
3	VV1208WBL01	VV039487.D	08 Dec 2025 10:11	SY/MD	Ok
4	Q3787-21	VV039488.D	08 Dec 2025 12:02	SY/MD	Ok
5	Q3787-04	VV039489.D	08 Dec 2025 13:54	SY/MD	Not Ok
6	VIBLK231	VV039490.D	08 Dec 2025 14:15	SY/MD	Ok
7	Q3788-13	VV039491.D	08 Dec 2025 14:38	SY/MD	Ok
8	Q3788-04	VV039492.D	08 Dec 2025 14:59	SY/MD	Ok
9	VIBLK232	VV039493.D	08 Dec 2025 15:20	SY/MD	Ok
10	Q3787-05MS	VV039494.D	08 Dec 2025 15:41	SY/MD	Not Ok
11	Q3787-06MSD	VV039495.D	08 Dec 2025 16:02	SY/MD	Not Ok
12	Q3788-05MS	VV039496.D	08 Dec 2025 16:24	SY/MD	Ok
13	Q3788-06MSD	VV039497.D	08 Dec 2025 16:45	SY/MD	Ok
14	VIBLK233	VV039498.D	08 Dec 2025 17:06	SY/MD	Ok
15	VSTDCCC0.5EC	VV039499.D	08 Dec 2025 17:27	SY/MD	Ok

M : Manual Integration

Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QC Batch ID # VV120925

Review By	John Carlone	Review On	12/10/2025 8:59:43 AM
Supervise By	Mahesh Dadoda	Supervise On	12/10/2025 10:11:54 AM
SubDirectory	VV120925	HP Acquire Method	sim_v
		HP Processing Method	SFAMVSIM120325MA.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136595		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136592,VP136593 VP135611		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB248	VV039500.D	09 Dec 2025 12:56	SY/MD	Ok
2	VSTDCCC0.5	VV039501.D	09 Dec 2025 13:58	SY/MD	Ok
3	VV1209WBL01	VV039502.D	09 Dec 2025 14:29	SY/MD	Ok
4	Q3757-02	VV039503.D	09 Dec 2025 15:00	SY/MD	Ok
5	Q3757-06	VV039504.D	09 Dec 2025 15:21	SY/MD	Ok,M
6	Q3757-11	VV039505.D	09 Dec 2025 15:42	SY/MD	Ok
7	Q3787-08	VV039506.D	09 Dec 2025 16:03	SY/MD	Ok
8	Q3787-10	VV039507.D	09 Dec 2025 16:24	SY/MD	Ok
9	Q3787-12	VV039508.D	09 Dec 2025 16:45	SY/MD	Ok
10	Q3787-14	VV039509.D	09 Dec 2025 17:06	SY/MD	Ok
11	Q3787-16	VV039510.D	09 Dec 2025 17:27	SY/MD	Ok,M
12	Q3787-18	VV039511.D	09 Dec 2025 17:48	SY/MD	Ok,M
13	Q3787-20	VV039512.D	09 Dec 2025 18:09	SY/MD	Ok,M
14	VIBLK234	VV039513.D	09 Dec 2025 18:30	SY/MD	Ok,M
15	Q3757-14	VV039514.D	09 Dec 2025 18:51	SY/MD	Ok,M
16	VSTDCCC0.5EC	VV039515.D	09 Dec 2025 19:12	SY/MD	Ok

M : Manual Integration

Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QCBatch ID # VV121025

Review By	Mahesh Dadoda	Review On	12/11/2025 11:43:06 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/12/2025 2:33:51 PM
SubDirectory	VV121025	HP Acquire Method	sim_v
		HP Processing Method	SFAMVSIM120325MA.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136620		
CCC	VP136621,VP136622		
Internal Standard/PEM	VP135611		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB249	VV039516.D	10 Dec 2025 08:29	SY/MD	Ok
2	VSTDCCC0.5	VV039517.D	10 Dec 2025 09:10	SY/MD	Ok
3	VV1210WBL01	VV039518.D	10 Dec 2025 09:36	SY/MD	Ok
4	Q3787-22	VV039519.D	10 Dec 2025 10:19	SY/MD	Ok
5	Q3788-08	VV039520.D	10 Dec 2025 10:40	SY/MD	Ok
6	Q3788-10	VV039521.D	10 Dec 2025 11:02	SY/MD	ReRun
7	Q3788-12	VV039522.D	10 Dec 2025 11:23	SY/MD	Ok,M
8	VIBLK235	VV039523.D	10 Dec 2025 11:58	SY/MD	Ok
9	Q3788-14	VV039524.D	10 Dec 2025 12:35	SY/MD	Not Ok
10	Q3813-02	VV039525.D	10 Dec 2025 13:01	SY/MD	Ok,M
11	Q3813-03	VV039526.D	10 Dec 2025 13:29	SY/MD	Ok,M
12	Q3813-04	VV039527.D	10 Dec 2025 13:51	SY/MD	Ok,M
13	Q3788-10RE	VV039528.D	10 Dec 2025 14:12	SY/MD	Confirms
14	VIBLK236	VV039529.D	10 Dec 2025 14:33	SY/MD	Ok,M
15	Q3813-05	VV039530.D	10 Dec 2025 14:54	SY/MD	Ok,M
16	Q3788-14	VV039531.D	10 Dec 2025 15:16	SY/MD	Ok,M
17	VSTDCCC0.5EC	VV039532.D	10 Dec 2025 15:47	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 # VV120825

Review By	John Carlone	Review On	12/9/2025 1:29:19 PM
Supervise By	Maresh Dadoda	Supervise On	12/10/2025 8:56:42 AM
SubDirectory	VV120825	HP Acquire Method	sim_v
		HP Processing Method	SFAMVSIM120325MA.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP136594
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136596,VP136597 VP135611

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB247	BFB247	VV039485.D	08 Dec 2025 08:14		SY/MD	Ok
2	VSTDCCC0.5	VSTD0.5337	VV039486.D	08 Dec 2025 09:00	pH#lot#v14222	SY/MD	Ok
3	VV1208WBL01	VBLK237	VV039487.D	08 Dec 2025 10:11		SY/MD	Ok
4	Q3787-21	TB01-120425	VV039488.D	08 Dec 2025 12:02	pH#1.0 A,TB	SY/MD	Ok
5	Q3787-04	MW-15B-42.5-120425-3	VV039489.D	08 Dec 2025 13:54	pH#1.0 A, SIM analysis not required	SY/MD	Not Ok
6	VIBLK231	VIBLK231	VV039490.D	08 Dec 2025 14:15		SY/MD	Ok
7	Q3788-13	TB01-120525	VV039491.D	08 Dec 2025 14:38	pH#1.0 A ,TB	SY/MD	Ok
8	Q3788-04	OWBR-05-135-120525	VV039492.D	08 Dec 2025 14:59	pH#1.0 A	SY/MD	Ok
9	VIBLK232	VIBLK232	VV039493.D	08 Dec 2025 15:20		SY/MD	Ok
10	Q3787-05MS	MW-15B-42.5-120425-3	VV039494.D	08 Dec 2025 15:41	pH#1.0 A, SIM analysis not required	SY/MD	Not Ok
11	Q3787-06MSD	MW-15B-42.5-120425-3	VV039495.D	08 Dec 2025 16:02	pH#1.0 A, SIM analysis not required	SY/MD	Not Ok
12	Q3788-05MS	OWBR-05-135-120525	VV039496.D	08 Dec 2025 16:24	pH#1.0 A	SY/MD	Ok
13	Q3788-06MSD	OWBR-05-135-120525	VV039497.D	08 Dec 2025 16:45	pH#1.0 A	SY/MD	Ok
14	VIBLK233	VIBLK233	VV039498.D	08 Dec 2025 17:06		SY/MD	Ok
15	VSTDCCC0.5EC	VSTD0.5338	VV039499.D	08 Dec 2025 17:27		SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV120925

Review By	John Carlone	Review On	12/10/2025 8:59:43 AM
Supervise By	Maresh Dadoda	Supervise On	12/10/2025 10:11:54 AM
SubDirectory	VV120925	HP Acquire Method	sim_v
		HP Processing Method	SFAMVSIM120325MA.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP136595
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136592,VP136593 VP135611

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB248	BFB248	VV039500.D	09 Dec 2025 12:56		SY/MD	Ok
2	VSTDCCC0.5	VSTD0.5339	VV039501.D	09 Dec 2025 13:58	pH#lot#v14222	SY/MD	Ok
3	VV1209WBL01	VBLK238	VV039502.D	09 Dec 2025 14:29		SY/MD	Ok
4	Q3757-02	MW-14A-17.5-120325-SI	VV039503.D	09 Dec 2025 15:00	pH#1.0 B	SY/MD	Ok
5	Q3757-06	MW-14B-46-120325-SI	VV039504.D	09 Dec 2025 15:21	pH#1.0 B	SY/MD	Ok,M
6	Q3757-11	EB01-120325	VV039505.D	09 Dec 2025 15:42	EB	SY/MD	Ok
7	Q3787-08	OWBR-02-170-120425-SI	VV039506.D	09 Dec 2025 16:03	pH#1.0 A	SY/MD	Ok
8	Q3787-10	OWBR-02-170-120425-SI	VV039507.D	09 Dec 2025 16:24	pH#1.0 A	SY/MD	Ok
9	Q3787-12	OW-03B-51.5-120425-SI	VV039508.D	09 Dec 2025 16:45	pH#1.0 A	SY/MD	Ok
10	Q3787-14	OW-03B-51.5-120425-SI	VV039509.D	09 Dec 2025 17:06	pH#1.0 A	SY/MD	Ok
11	Q3787-16	OW-08B-72.5-120425-SI	VV039510.D	09 Dec 2025 17:27	pH#1.0 A	SY/MD	Ok,M
12	Q3787-18	OW-08B-72.5-120425-SI	VV039511.D	09 Dec 2025 17:48	pH#1.0 A	SY/MD	Ok,M
13	Q3787-20	OW-02B-21.2-120425-SI	VV039512.D	09 Dec 2025 18:09	pH#1.0 A	SY/MD	Ok,M
14	VIBLK234	VIBLK234	VV039513.D	09 Dec 2025 18:30		SY/MD	Ok,M
15	Q3757-14	VHBLK001	VV039514.D	09 Dec 2025 18:51	pH#1.0 A ,SB	SY/MD	Ok,M
16	VSTDCCC0.5EC	VSTD0.5340	VV039515.D	09 Dec 2025 19:12		SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV121025

Review By	Maresh Dadoda	Review On	12/11/2025 11:43:06 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/12/2025 2:33:51 PM
SubDirectory	VV121025	HP Acquire Method	sim_v
		HP Processing Method	SFAMVSIM120325MA.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP136620
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136621,VP136622 VP135611

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB249	BFB249	VV039516.D	10 Dec 2025 08:29		SY/MD	Ok
2	VSTDCCC0.5	VSTD0.5341	VV039517.D	10 Dec 2025 09:10	pH#lot#v14222	SY/MD	Ok
3	VV1210WBL01	VBLK239	VV039518.D	10 Dec 2025 09:36		SY/MD	Ok
4	Q3787-22	VHBLK001	VV039519.D	10 Dec 2025 10:19	pH#1.0 A	SY/MD	Ok
5	Q3788-08	OW-01B-66.5-120525-S	VV039520.D	10 Dec 2025 10:40	pH#1.0 A	SY/MD	Ok
6	Q3788-10	BR-05-465-120525-SIM	VV039521.D	10 Dec 2025 11:02	pH#1.0 A ,Surrogate Fail	SY/MD	ReRun
7	Q3788-12	MW-16B-87.5-120525-S	VV039522.D	10 Dec 2025 11:23	pH#1.0 A ,Internal Standard Fail	SY/MD	Ok,M
8	VIBLK235	VIBLK235	VV039523.D	10 Dec 2025 11:58		SY/MD	Ok
9	Q3788-14	VHBLK001	VV039524.D	10 Dec 2025 12:35	SB;Need to run sample	SY/MD	Not Ok
10	Q3813-02	BR-04DR-451-120825-S	VV039525.D	10 Dec 2025 13:01	pH#1.0 A	SY/MD	Ok,M
11	Q3813-03	EB01-120825	VV039526.D	10 Dec 2025 13:29	pH#1.0 A ,EB	SY/MD	Ok,M
12	Q3813-04	TB01-120825	VV039527.D	10 Dec 2025 13:51	pH#1.0 A ,TB	SY/MD	Ok,M
13	Q3788-10RE	BR-05-465-120525-SIM	VV039528.D	10 Dec 2025 14:12	pH#1.0 B, Surrogate Fail	SY/MD	Confirms
14	VIBLK236	VIBLK236	VV039529.D	10 Dec 2025 14:33		SY/MD	Ok,M
15	Q3813-05	VHBLK001	VV039530.D	10 Dec 2025 14:54	pH#1.0 A ,SB	SY/MD	Ok,M
16	Q3788-14	VHBLK001	VV039531.D	10 Dec 2025 15:16	pH#1.0 A ,SB	SY/MD	Ok,M
17	VSTDCCC0.5EC	VSTD0.5342	VV039532.D	10 Dec 2025 15:47		SY/MD	Ok

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3787	OrderDate:	12/5/2025 7:44:00 AM
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
Q3787-01	MW-15B-42.5-120425	Water	VOCMS Group3	8260-Low	12/04/25		12/08/25	12/04/25
Q3787-07	OWBR-02-170-12042 5	Water	VOCMS Group3	8260-Low	12/04/25		12/08/25	12/04/25
Q3787-07RE	OWBR-02-170-12042 5RE	Water	VOCMS Group3	8260-Low	12/04/25		12/10/25	12/04/25
Q3787-08	OWBR-02-170-12042 5-SIM	Water	VOC-SIM	SFAM_VOCSI M	12/04/25		12/09/25	12/04/25
Q3787-09	OWBR-02-170-12042 5-FD	Water	VOCMS Group3	8260-Low	12/04/25		12/08/25	12/04/25
Q3787-09RE	OWBR-02-170-12042 5-FDRE	Water	VOCMS Group3	8260-Low	12/04/25		12/10/25	12/04/25
Q3787-10	OWBR-02-170-12042 5-SIM-FD	Water	VOC-SIM	SFAM_VOCSI M	12/04/25		12/09/25	12/04/25

LAB CHRONICLE

Q3787-11	OW-03B-51.5-120425	Water			12/04/25		12/04/25
			VOCMS Group3	8260-Low		12/08/25	
Q3787-11RE	OW-03B-51.5-120425 RE	Water			12/04/25		12/04/25
			VOCMS Group3	8260-Low		12/10/25	
Q3787-12	OW-03B-51.5-120425 -SIM	Water			12/04/25		12/04/25
			VOC-SIM	SFAM_VOCSI M		12/09/25	
Q3787-13	OW-03B-51.5-120425 -FD	Water			12/04/25		12/04/25
			VOCMS Group3	8260-Low		12/08/25	
Q3787-13RE	OW-03B-51.5-120425 -FDRE	Water			12/04/25		12/04/25
			VOCMS Group3	8260-Low		12/10/25	
Q3787-14	OW-03B-51.5-120425 -SIM-FD	Water			12/04/25		12/04/25
			VOC-SIM	SFAM_VOCSI M		12/09/25	
Q3787-15	OW-08B-72.5-120425	Water			12/04/25		12/04/25
			VOCMS Group3	8260-Low		12/08/25	
Q3787-16	OW-08B-72.5-120425 -SIM	Water			12/04/25		12/04/25
			VOC-SIM	SFAM_VOCSI M		12/09/25	
Q3787-17	OW-08B-72.5-120425 -FD	Water			12/04/25		12/04/25
			VOCMS Group3	8260-Low		12/08/25	
Q3787-17RE	OW-08B-72.5-120425 -FDRE	Water			12/04/25		12/04/25
			VOCMS Group3	8260-Low		12/10/25	
Q3787-18	OW-08B-72.5-120425 -SIM-FD	Water			12/04/25		12/04/25

LAB CHRONICLE

			VOC-SIM	SFAM_VOCSI M	12/09/25	
Q3787-19	OW-02B-21.2-120425	Water			12/04/25	12/04/25
			VOCMS Group3	8260-Low	12/10/25	
Q3787-20	OW-02B-21.2-120425 -SIM	Water			12/04/25	12/04/25
			VOC-SIM	SFAM_VOCSI M	12/09/25	
Q3787-21	TB01-120425	Water			12/04/25	12/04/25
			VOCMS Group3	8260-Low	12/10/25	
			VOC-SIM	SFAM_VOCSI M	12/08/25	
Q3787-22	VHBLK001	Water			12/04/25	12/04/25
			VOC-SIM	SFAM_VOCSI M	12/10/25	