

Hit Summary Sheet SW-846

SDG No.: Q3813

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	BR-04DR-451-120825							
Q3813-01	BR-04DR-451-1208	Water	1,1-Dichloroethene	8.30		0.23	1.00	ug/L
Q3813-01	BR-04DR-451-1208	Water	cis-1,2-Dichloroethene	6.60		0.19	1.00	ug/L
Q3813-01	BR-04DR-451-1208	Water	1,2-Dichloroethane	1.00		0.22	1.00	ug/L
Q3813-01	BR-04DR-451-1208	Water	Trichloroethene	7.30		0.090	1.00	ug/L
			Total Voc :		23.2			
			Total Concentration:		23.2			



SAMPLE DATA

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: BR-04DR-451-120825
 Lab Sample ID: Q3813-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/08/25
 Date Received: 12/08/25
 SDG No.: Q3813
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/10/25 12:23	VN121025
75-35-4	1,1-Dichloroethene	8.30		1	0.23	1.00	ug/L	12/10/25 12:23	VN121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 12:23	VN121025
156-59-2	cis-1,2-Dichloroethene	6.60		1	0.19	1.00	ug/L	12/10/25 12:23	VN121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 12:23	VN121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 12:23	VN121025
107-06-2	1,2-Dichloroethane	1.00		1	0.22	1.00	ug/L	12/10/25 12:23	VN121025
79-01-6	Trichloroethene	7.30		1	0.090	1.00	ug/L	12/10/25 12:23	VN121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 12:23	VN121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 12:23	VN121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.7			70 (74) - 130 (125)	113%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.0			70 (75) - 130 (124)	94%	SPK: 50		
2037-26-5	Toluene-d8	44.9			70 (86) - 130 (113)	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	46.3			70 (77) - 130 (121)	93%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	212000							
540-36-3	1,4-Difluorobenzene	494000							
3114-55-4	Chlorobenzene-d5	485000							
3855-82-1	1,4-Dichlorobenzene-d4	222000							

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: EB01-120825
 Lab Sample ID: Q3813-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/08/25
 Date Received: 12/08/25
 SDG No.: Q3813
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/10/25 12:44	VN121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 12:44	VN121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 12:44	VN121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 12:44	VN121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 12:44	VN121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 12:44	VN121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 12:44	VN121025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/10/25 12:44	VN121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 12:44	VN121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 12:44	VN121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.2			70 (74) - 130 (125)	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.4			70 (75) - 130 (124)	99%	SPK: 50		
2037-26-5	Toluene-d8	46.5			70 (86) - 130 (113)	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.5			70 (77) - 130 (121)	101%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	207000							
540-36-3	1,4-Difluorobenzene	479000							
3114-55-4	Chlorobenzene-d5	474000							
3855-82-1	1,4-Dichlorobenzene-d4	215000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: JACOBS Engineering Group, Inc.
 Project: Former Schlumberger STC PTC Site D3868221
 Client Sample ID: TB01-120825
 Lab Sample ID: Q3813-04
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 12/08/25
 Date Received: 12/08/25
 SDG No.: Q3813
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/10/25 13:04	VN121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 13:04	VN121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 13:04	VN121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 13:04	VN121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 13:04	VN121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 13:04	VN121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 13:04	VN121025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/10/25 13:04	VN121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 13:04	VN121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 13:04	VN121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.9			70 (74) - 130 (125)	122%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.0			70 (75) - 130 (124)	98%	SPK: 50		
2037-26-5	Toluene-d8	45.1			70 (86) - 130 (113)	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.7			70 (77) - 130 (121)	97%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	226000							
540-36-3	1,4-Difluorobenzene	532000							
3114-55-4	Chlorobenzene-d5	534000							
3855-82-1	1,4-Dichlorobenzene-d4	253000							

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

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q3813**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3813-01	BR-04DR-451-120825	1,2-Dichloroethane-d4	50	56.7	113		70 (74)	130 (125)
		Dibromofluoromethane	50	47.0	94		70 (75)	130 (124)
		Toluene-d8	50	44.9	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.3	93		70 (77)	130 (121)
Q3813-03	EB01-120825	1,2-Dichloroethane-d4	50	58.2	116		70 (74)	130 (125)
		Dibromofluoromethane	50	49.4	99		70 (75)	130 (124)
		Toluene-d8	50	46.5	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101		70 (77)	130 (121)
Q3813-04	TB01-120825	1,2-Dichloroethane-d4	50	60.9	122		70 (74)	130 (125)
		Dibromofluoromethane	50	49.0	98		70 (75)	130 (124)
		Toluene-d8	50	45.1	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.7	97		70 (77)	130 (121)
VN1210WBL01	VN1210WBL01	1,2-Dichloroethane-d4	50	57.8	116		70 (74)	130 (125)
		Dibromofluoromethane	50	50.8	102		70 (75)	130 (124)
		Toluene-d8	50	47.0	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.0	96		70 (77)	130 (121)
VN1210WBS01	VN1210WBS01	1,2-Dichloroethane-d4	50	57.3	115		70 (74)	130 (125)
		Dibromofluoromethane	50	55.6	111		70 (75)	130 (124)
		Toluene-d8	50	53.9	108		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.1	110		70 (77)	130 (121)
VN1210WBSD01	VN1210WBSD01	1,2-Dichloroethane-d4	50	60.8	122		70 (74)	130 (125)
		Dibromofluoromethane	50	55.3	111		70 (75)	130 (124)
		Toluene-d8	50	52.5	105		70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.1	108		70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3813</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	Datafile :	<u>VN088491.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1210WBS01	Vinyl chloride	20	18.9	ug/L	95			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.6	ug/L	93			70 (74)	130 (110)	
	1,1-Dichloroethane	20	20.5	ug/L	103			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	19.4	ug/L	97			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	20.6	ug/L	103			70 (80)	130 (108)	
	Benzene	20	20.0	ug/L	100			70 (82)	130 (109)	
	1,2-Dichloroethane	20	22.5	ug/L	113			70 (80)	130 (115)	
	Trichloroethene	20	18.4	ug/L	92			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	21.3	ug/L	106			70 (83)	130 (112)	
	Tetrachloroethene	20	17.4	ug/L	87			70 (67)	130 (123)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3813</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>JACOBS Engineering Group, Inc.</u>	Datafile :	<u>VN088496.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1210WBSD01	Vinyl chloride	20	18.1	ug/L	91	4		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	19.2	ug/L	96	3		70 (74)	130 (110)	20 (20)
	1,1-Dichloroethane	20	20.7	ug/L	104	1		70 (78)	130 (112)	20 (20)
	cis-1,2-Dichloroethene	20	20.0	ug/L	100	3		70 (77)	130 (110)	20 (20)
	1,1,1-Trichloroethane	20	20.3	ug/L	102	1		70 (80)	130 (108)	20 (20)
	Benzene	20	19.0	ug/L	95	5		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	21.3	ug/L	106	6		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.3	ug/L	86	7		70 (77)	130 (113)	20 (15)
	1,1,2-Trichloroethane	20	20.8	ug/L	104	2		70 (83)	130 (112)	20 (20)
	Tetrachloroethene	20	14.3	ug/L	72	19		70 (67)	130 (123)	20 (15)

VOLATILE METHOD BLANK SUMMARY

Client ID

VN1210WBL01

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3813

Lab File ID: VN088489.D

Lab Sample ID: VN1210WBL01

Date Analyzed: 12/10/2025

Time Analyzed: 10:57

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1210WBS01	VN1210WBS01	VN088491.D	12/10/2025
BR-04DR-451-120825	Q3813-01	VN088492.D	12/10/2025
EB01-120825	Q3813-03	VN088493.D	12/10/2025
TB01-120825	Q3813-04	VN088494.D	12/10/2025
VN1210WBSD01	VN1210WBSD01	VN088496.D	12/10/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JAC005

Lab Code: ACE

SDG NO.: Q3813

Lab File ID: VN088343.D

BFB Injection Date: 11/24/2025

Instrument ID: MSVOA_N

BFB Injection Time: 08:17

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 60.0% of mass 95	56.6
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 (1.4) 1
174	50.0 - 100.0% of mass 95	70.8
175	5.0 - 9.0% of mass 174	6 (8.4) 1
176	95.0 - 101.0% of mass 174	68.3 (96.4) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 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
VSTDIC001	VSTDIC001	VN088344.D	11/24/2025	12:38
VSTDIC005	VSTDIC005	VN088345.D	11/24/2025	13:11
VSTDIC020	VSTDIC020	VN088346.D	11/24/2025	13:32
VSTDIC050	VSTDIC050	VN088347.D	11/24/2025	13:53
VSTDIC100	VSTDIC100	VN088348.D	11/24/2025	14:14
VSTDIC150	VSTDIC150	VN088349.D	11/24/2025	14:35

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: JACO05

Lab Code: ACE

SDG NO.: Q3813

Lab File ID: VN088486.D

BFB Injection Date: 12/10/2025

Instrument ID: MSVOA_N

BFB Injection Time: 09:29

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.6
75	30.0 - 60.0% of mass 95	53.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.3 (1.9) 1
174	50.0 - 100.0% of mass 95	67.7
175	5.0 - 9.0% of mass 174	4.7 (7) 1
176	95.0 - 101.0% of mass 174	65 (95.9) 1
177	5.0 - 9.0% of mass 176	4.3 (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
VSTDCCC050	VSTDCCC050	VN088487.D	12/10/2025	10:01
VN1210WBL01	VN1210WBL01	VN088489.D	12/10/2025	10:57
VN1210WBS01	VN1210WBS01	VN088491.D	12/10/2025	12:03
BR-04DR-451-120825	Q3813-01	VN088492.D	12/10/2025	12:23
EB01-120825	Q3813-03	VN088493.D	12/10/2025	12:44
TB01-120825	Q3813-04	VN088494.D	12/10/2025	13:04
VN1210WBSD01	VN1210WBSD01	VN088496.D	12/10/2025	13:45

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05
Lab Code: ACE SDG NO.: Q3813
Lab File ID: VN088487.D Date Analyzed: 12/10/2025
Instrument ID: MSVOA_N Time Analyzed: 10:01
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	249947	8.21	468726	9.08	435160	11.84
UPPER LIMIT	499894	8.706	937452	9.583	870320	12.341
LOWER LIMIT	124974	7.706	234363	8.583	217580	11.341
EPA SAMPLE NO.						
BR-04DR-451-120825	212180	8.21	494367	9.08	485409	11.84
EB01-120825	207235	8.21	478662	9.08	473650	11.84
TB01-120825	225847	8.21	531810	9.08	534272	11.84
VN1210WBL01	199142	8.20	459524	9.08	467279	11.84
VN1210WBS01	279896	8.21	512638	9.08	464243	11.84
VN1210WBSD01	226609	8.21	440776	9.08	408174	11.84

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>JACO05</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3813</u>
Lab File ID:	<u>VN088487.D</u>	Date Analyzed:	<u>12/10/2025</u>
Instrument ID:	<u>MSVOA_N</u>	Time Analyzed:	<u>10:01</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	215555	13.77				
UPPER LIMIT	431110	14.27				
LOWER LIMIT	107778	13.27				
EPA SAMPLE NO.						
BR-04DR-451-120825	222072	13.77				
EB01-120825	215051	13.77				
TB01-120825	252826	13.77				
VN1210WBL01	211178	13.77				
VN1210WBS01	225326	13.77				
VN1210WBSD01	199717	13.77				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA



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: VN1210WBL01
Lab Sample ID: VN1210WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3813
Matrix: Water
% Solid: 0
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/10/25 10:57	VN121025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 10:57	VN121025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/10/25 10:57	VN121025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/10/25 10:57	VN121025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/10/25 10:57	VN121025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/10/25 10:57	VN121025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/10/25 10:57	VN121025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/10/25 10:57	VN121025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/10/25 10:57	VN121025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/10/25 10:57	VN121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.8			70 (74) - 130 (125)	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.8			70 (75) - 130 (124)	102%	SPK: 50		
2037-26-5	Toluene-d8	47.0			70 (86) - 130 (113)	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.0			70 (77) - 130 (121)	96%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	199000							
540-36-3	1,4-Difluorobenzene	460000							
3114-55-4	Chlorobenzene-d5	467000							
3855-82-1	1,4-Dichlorobenzene-d4	211000							

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: VN1210WBS01
 Lab Sample ID: VN1210WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3813
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	18.9		1	0.26	1.00	ug/L	12/10/25 12:03	VN121025
75-35-4	1,1-Dichloroethene	18.6		1	0.23	1.00	ug/L	12/10/25 12:03	VN121025
75-34-3	1,1-Dichloroethane	20.5		1	0.23	1.00	ug/L	12/10/25 12:03	VN121025
156-59-2	cis-1,2-Dichloroethene	19.4		1	0.19	1.00	ug/L	12/10/25 12:03	VN121025
71-55-6	1,1,1-Trichloroethane	20.6		1	0.20	1.00	ug/L	12/10/25 12:03	VN121025
71-43-2	Benzene	20.0		1	0.15	1.00	ug/L	12/10/25 12:03	VN121025
107-06-2	1,2-Dichloroethane	22.5		1	0.22	1.00	ug/L	12/10/25 12:03	VN121025
79-01-6	Trichloroethene	18.4		1	0.090	1.00	ug/L	12/10/25 12:03	VN121025
79-00-5	1,1,2-Trichloroethane	21.3		1	0.21	1.00	ug/L	12/10/25 12:03	VN121025
127-18-4	Tetrachloroethene	17.4		1	0.23	1.00	ug/L	12/10/25 12:03	VN121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.3			70 (74) - 130 (125)	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.6			70 (75) - 130 (124)	111%	SPK: 50		
2037-26-5	Toluene-d8	53.9			70 (86) - 130 (113)	108%	SPK: 50		
460-00-4	4-Bromofluorobenzene	55.1			70 (77) - 130 (121)	110%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	280000							
540-36-3	1,4-Difluorobenzene	513000							
3114-55-4	Chlorobenzene-d5	464000							
3855-82-1	1,4-Dichlorobenzene-d4	225000							

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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: VN1210WBSD01
Lab Sample ID: VN1210WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3813
Matrix: Water
% Solid: 0
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	18.1		1	0.26	1.00	ug/L	12/10/25 13:45	VN121025
75-35-4	1,1-Dichloroethene	19.2		1	0.23	1.00	ug/L	12/10/25 13:45	VN121025
75-34-3	1,1-Dichloroethane	20.7		1	0.23	1.00	ug/L	12/10/25 13:45	VN121025
156-59-2	cis-1,2-Dichloroethene	20.0		1	0.19	1.00	ug/L	12/10/25 13:45	VN121025
71-55-6	1,1,1-Trichloroethane	20.3		1	0.20	1.00	ug/L	12/10/25 13:45	VN121025
71-43-2	Benzene	19.0		1	0.15	1.00	ug/L	12/10/25 13:45	VN121025
107-06-2	1,2-Dichloroethane	21.3		1	0.22	1.00	ug/L	12/10/25 13:45	VN121025
79-01-6	Trichloroethene	17.3		1	0.090	1.00	ug/L	12/10/25 13:45	VN121025
79-00-5	1,1,2-Trichloroethane	20.8		1	0.21	1.00	ug/L	12/10/25 13:45	VN121025
127-18-4	Tetrachloroethene	14.3		1	0.23	1.00	ug/L	12/10/25 13:45	VN121025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.8			70 (74) - 130 (125)	122%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.3			70 (75) - 130 (124)	111%	SPK: 50		
2037-26-5	Toluene-d8	52.5			70 (86) - 130 (113)	105%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.1			70 (77) - 130 (121)	108%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	227000							
540-36-3	1,4-Difluorobenzene	441000							
3114-55-4	Chlorobenzene-d5	408000							
3855-82-1	1,4-Dichlorobenzene-d4	200000							

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CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>JAC005</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3813</u>
Instrument ID: <u>MSVOA_N</u>	Calibration Date(s): <u>11/24/2025</u> <u>11/24/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>12:38</u> <u>14:35</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID:		RRF001 = VN088344.D		RRF005 = VN088345.D		RRF020 = VN088346.D		
		RRF050 = VN088347.D		RRF100 = VN088348.D		RRF150 = VN088349.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Vinyl Chloride	0.804	0.844	0.856	0.812	0.837	0.772	0.821	3.8
1,1-Dichloroethene	0.722	0.620	0.601	0.568	0.595	0.554	0.610	9.8
1,1-Dichloroethane	1.389	1.431	1.348	1.427	1.321	1.286	1.367	4.3
cis-1,2-Dichloroethene	0.797	0.801	0.794	0.829	0.747	0.744	0.785	4.2
1,1,1-Trichloroethane	1.247	1.219	1.192	1.158	1.166	1.104	1.181	4.3
Benzene	1.658	1.555	1.609	1.559	1.559	1.477	1.570	3.9
1,2-Dichloroethane	0.583	0.614	0.596	0.615	0.597	0.587	0.599	2.3
Trichloroethene	0.382	0.385	0.383	0.357	0.371	0.348	0.371	4.1
1,1,2-Trichloroethane	0.350	0.359	0.364	0.353	0.341	0.336	0.351	3
Tetrachloroethene	0.426	0.388	0.413	0.377	0.407	0.367	0.396	5.7
1,2-Dichloroethane-d4		0.954	0.916	0.999	0.882	0.960	0.942	4.7
Dibromofluoromethane		0.361	0.350	0.350	0.334	0.337	0.346	3.2
Toluene-d8		1.249	1.292	1.285	1.308	1.313	1.289	2
4-Bromofluorobenzene		0.402	0.413	0.448	0.466	0.482	0.442	7.7

* 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>Q3813</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>12/10/2025</u> <u>10:01</u>
Lab File ID:	<u>VN088487.D</u>	Init. Calib. Date(s):	<u>11/24/2025</u> <u>11/24/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:38</u> <u>14:35</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.821	0.760		-7.43	20
1,1-Dichloroethene	0.610	0.595		-2.46	20
1,1-Dichloroethane	1.367	1.557	0.1	13.9	20
cis-1,2-Dichloroethene	0.785	0.887		12.99	20
1,1,1-Trichloroethane	1.181	1.263		6.94	20
Benzene	1.570	1.702		8.41	20
1,2-Dichloroethane	0.599	0.732		22.2	20
Trichloroethene	0.371	0.360		-2.96	20
1,1,2-Trichloroethane	0.351	0.415		18.23	20
Tetrachloroethene	0.396	0.324		-18.18	20
1,2-Dichloroethane-d4	0.942	1.212		28.66	20
Dibromofluoromethane	0.346	0.417		20.52	20
Toluene-d8	1.289	1.476		14.51	20
4-Bromofluorobenzene	0.442	0.539		21.95	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088492.D
 Acq On : 10 Dec 2025 12:23
 Operator : JC\MD
 Sample : Q3813-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BR-04DR-451-120825

Quant Time: Dec 11 02:05:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

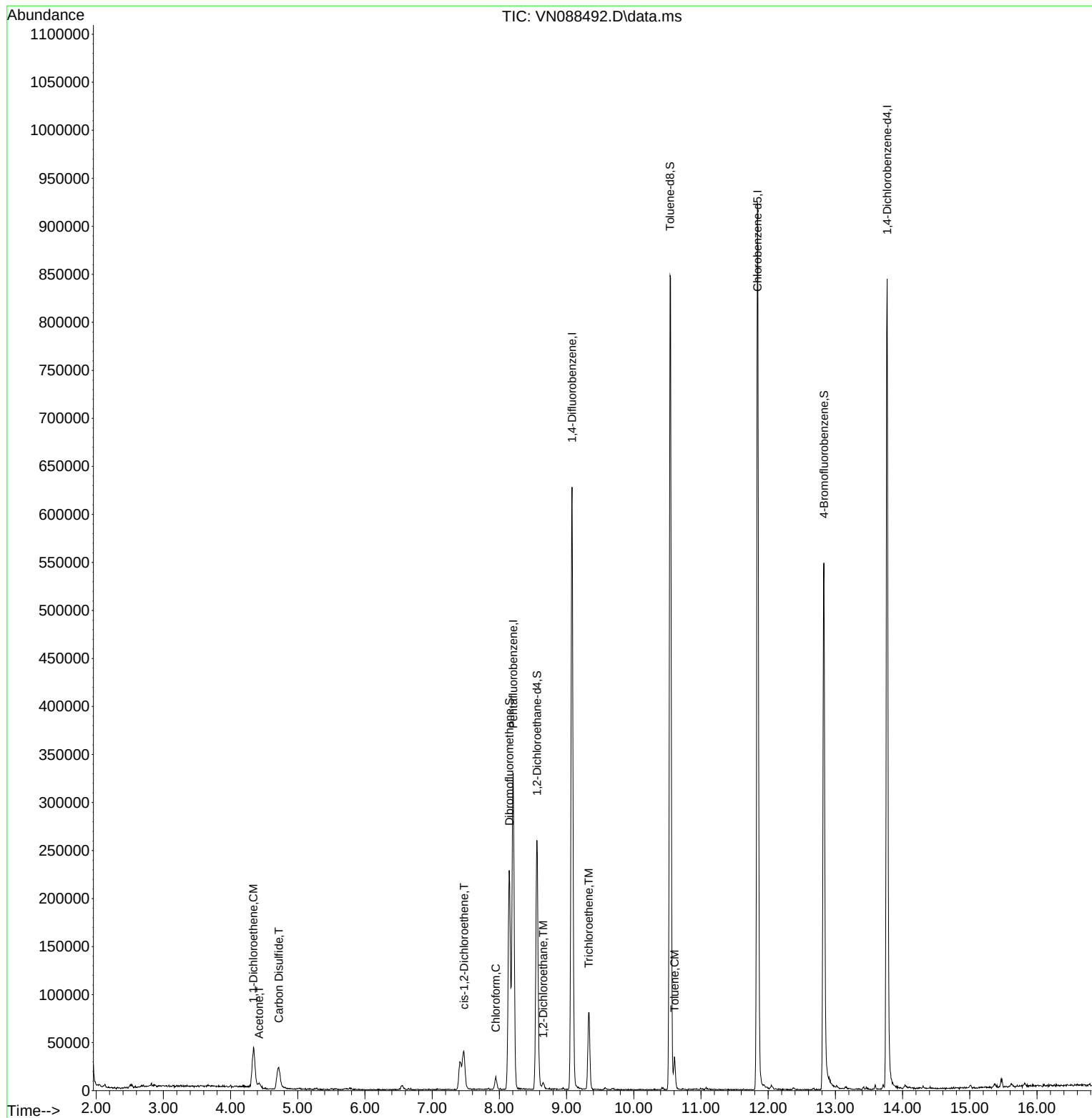
Internal Standards						
1) Pentafluorobenzene	8.206	168	212180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	494367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	485409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	222072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	226563	56.683	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.360%
35) Dibromofluoromethane	8.147	113	160883	46.960	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.920%
50) Toluene-d8	10.541	98	572596	44.919	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.840%
62) 4-Bromofluorobenzene	12.829	95	202603	46.322	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.640%
Target Compounds						
						Qvalue
12) 1,1-Dichloroethene	4.342	96	21494	8.303	ug/l	92
16) Acetone	4.424	43	9616	6.652	ug/l	98
17) Carbon Disulfide	4.718	76	16408	1.940	ug/l #	89
27) cis-1,2-Dichloroethene	7.477	96	21872	6.563	ug/l	92
30) Chloroform	7.947	83	11629	2.040	ug/l #	81
42) 1,2-Dichloroethane	8.653	62	6039	1.020	ug/l	99
44) Trichloroethene	9.329	130	26716	7.286	ug/l	96
52) Toluene	10.606	92	12084	1.349	ug/l	98

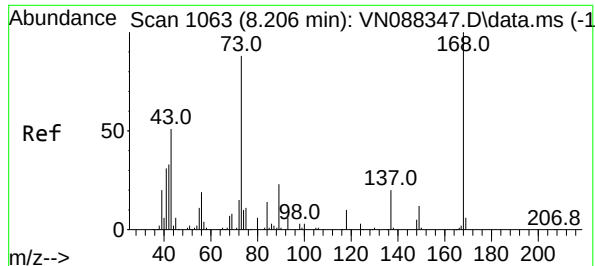
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
Data File : VN088492.D
Acq On : 10 Dec 2025 12:23
Operator : JC\MD
Sample : Q3813-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BR-04DR-451-120825

Quant Time: Dec 11 02:05:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

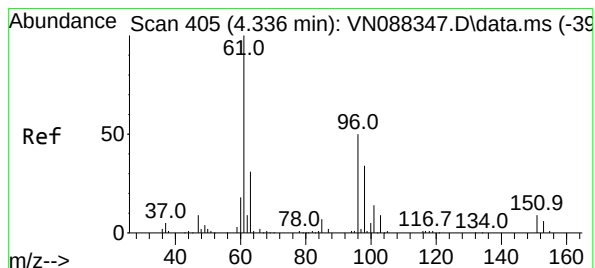
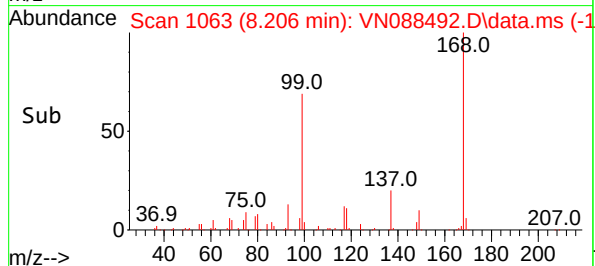
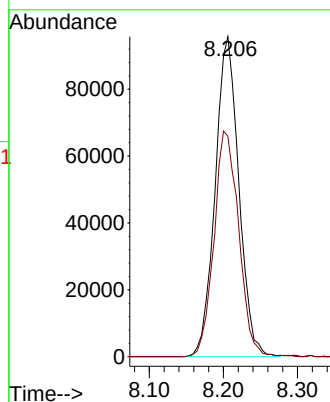
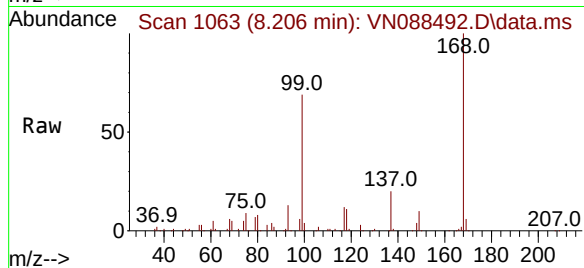




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

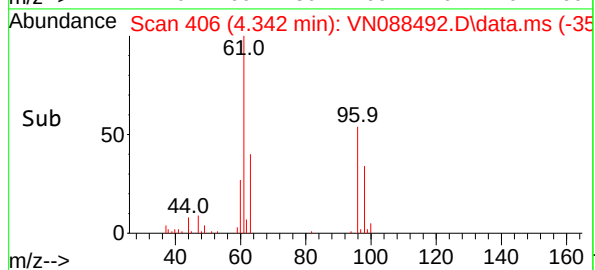
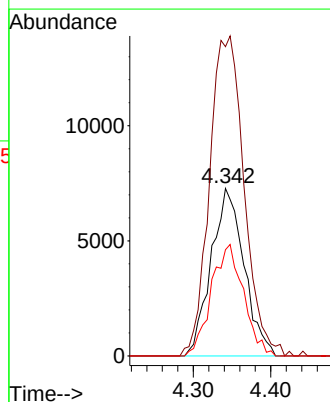
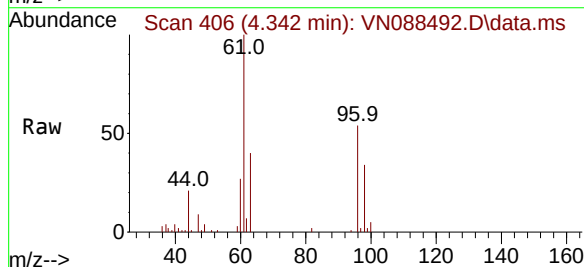
Instrument :
MSVOA_N
ClientSampleId :
BR-04DR-451-120825

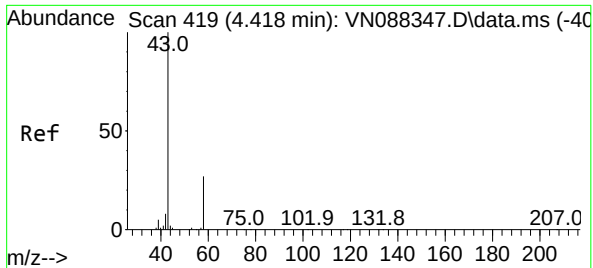
Tgt Ion:168 Resp: 212180
Ion Ratio Lower Upper
168 100
99 68.9 57.1 85.7



#12
1,1-Dichloroethene
Concen: 8.303 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

Tgt Ion: 96 Resp: 21494
Ion Ratio Lower Upper
96 100
61 184.5 159.1 238.7
98 63.4 53.7 80.5

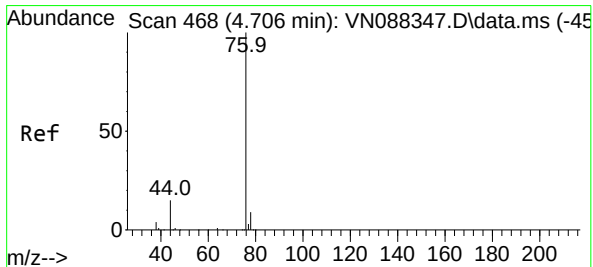
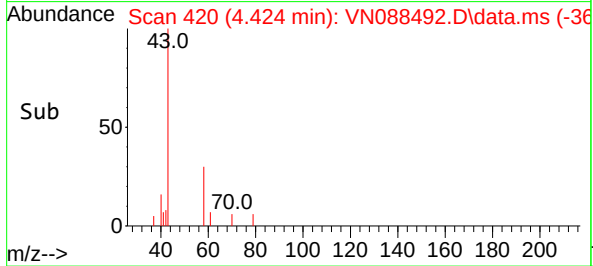
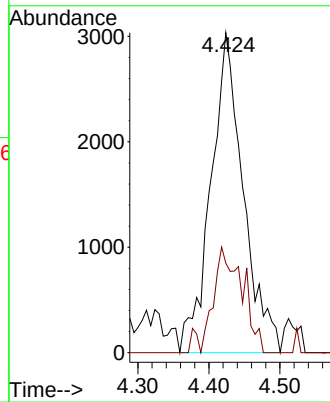
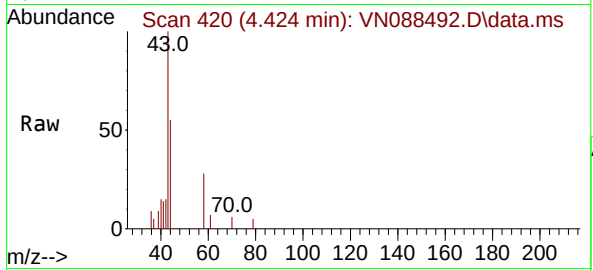




#16
Acetone
Concen: 6.652 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

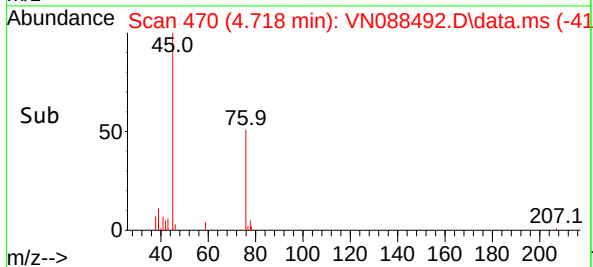
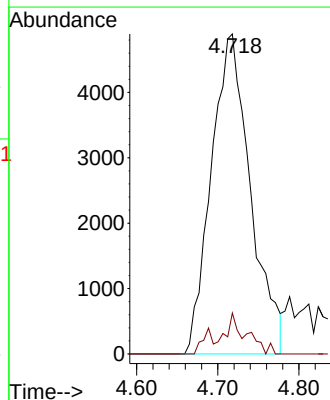
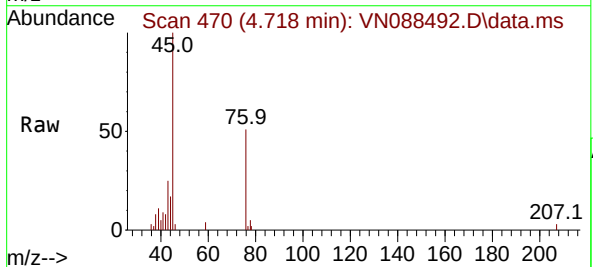
Instrument :
MSVOA_N
ClientSampleId :
BR-04DR-451-120825

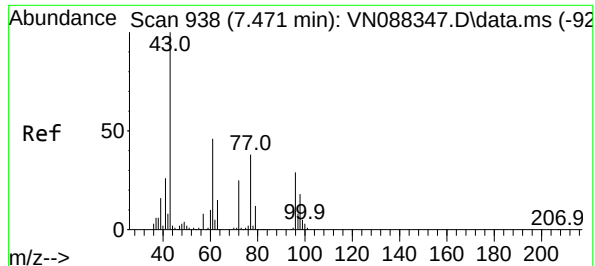
Tgt Ion: 43 Resp: 9616
Ion Ratio Lower Upper
43 100
58 28.0 21.7 32.5



#17
Carbon Disulfide
Concen: 1.940 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.012 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

Tgt Ion: 76 Resp: 16408
Ion Ratio Lower Upper
76 100
78 12.8 7.0 10.4#





#27

cis-1,2-Dichloroethene

Concen: 6.563 ug/l

RT: 7.477 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN088492.D

Acq: 10 Dec 2025 12:23

Instrument :

MSVOA_N

ClientSampleId :

BR-04DR-451-120825

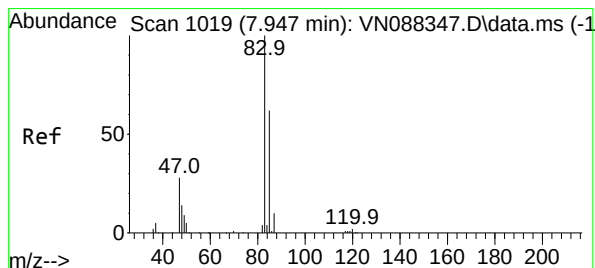
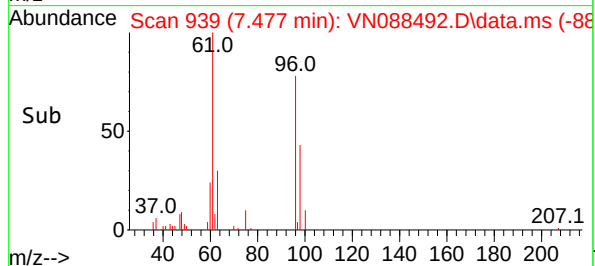
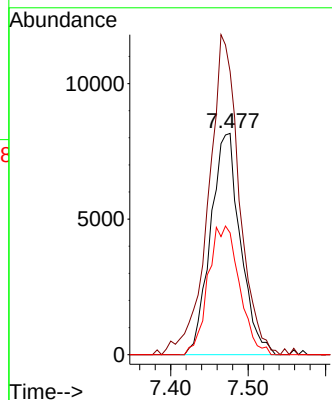
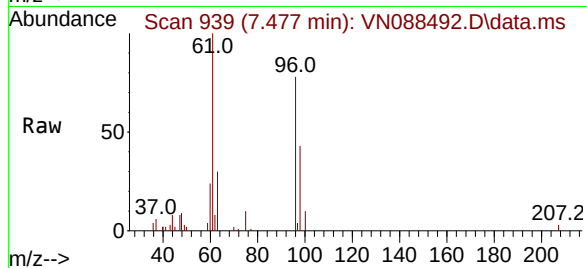
Tgt Ion: 96 Resp: 21872

Ion Ratio Lower Upper

96 100

61 148.9 0.0 323.6

98 61.1 0.0 127.2



#30

Chloroform

Concen: 2.040 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN088492.D

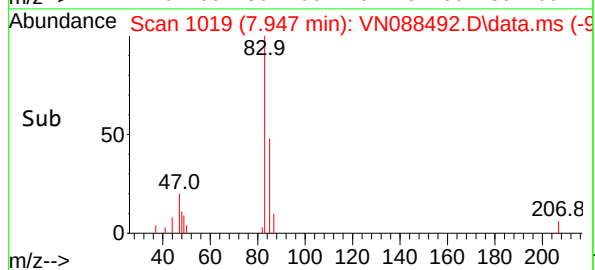
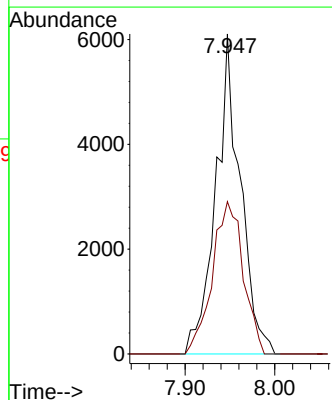
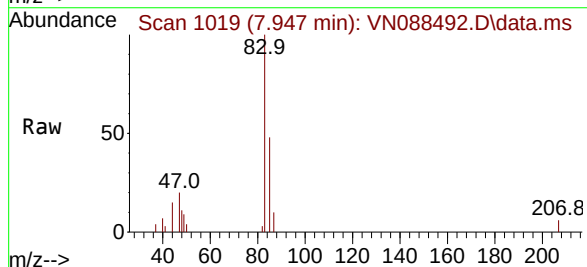
Acq: 10 Dec 2025 12:23

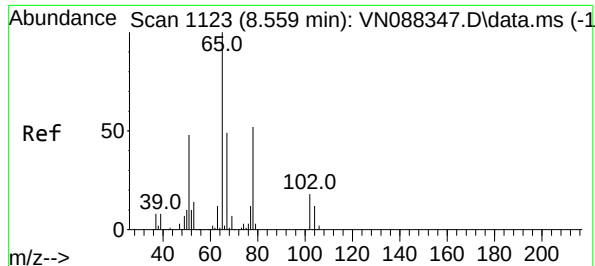
Tgt Ion: 83 Resp: 11629

Ion Ratio Lower Upper

83 100

85 47.6 49.8 74.8#





#33

1,2-Dichloroethane-d4

Concen: 56.683 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088492.D

Acq: 10 Dec 2025 12:23

Instrument :

MSVOA_N

ClientSampleId :

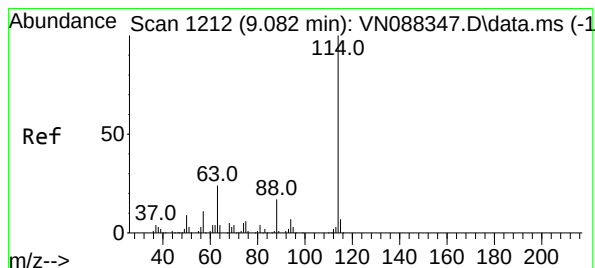
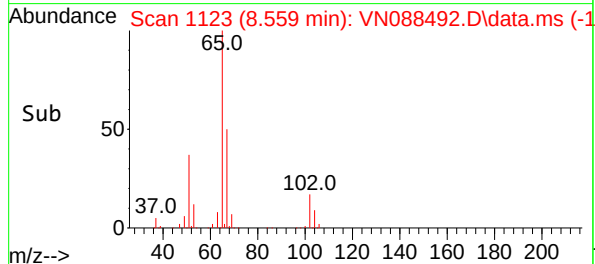
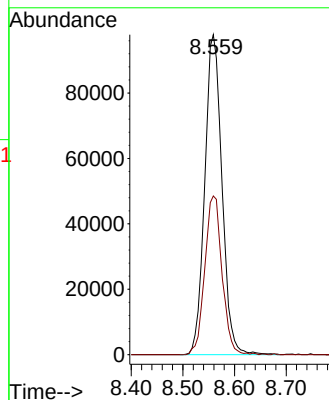
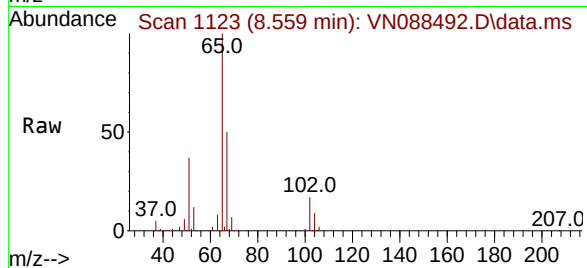
BR-04DR-451-120825

Tgt Ion: 65 Resp: 226563

Ion Ratio Lower Upper

65 100

67 49.7 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088492.D

Acq: 10 Dec 2025 12:23

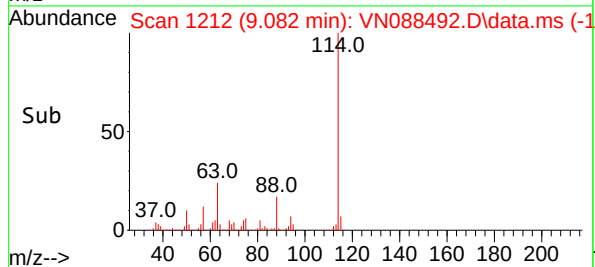
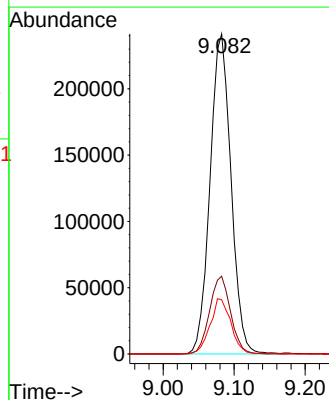
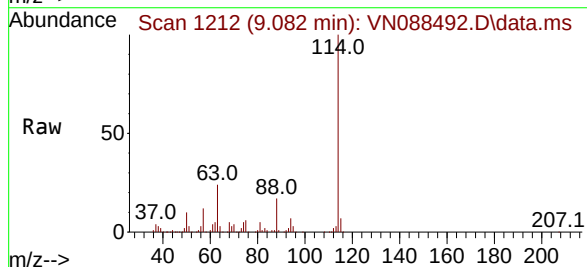
Tgt Ion: 114 Resp: 494367

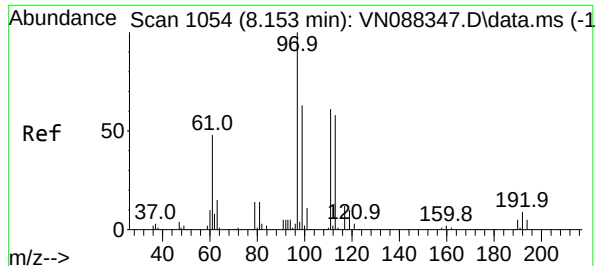
Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.0

88 16.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.960 ug/l

RT: 8.147 min Scan# 1105

Delta R.T. -0.006 min

Lab File: VN088492.D

Acq: 10 Dec 2025 12:23

Instrument :

MSVOA_N

ClientSampleId :

BR-04DR-451-120825

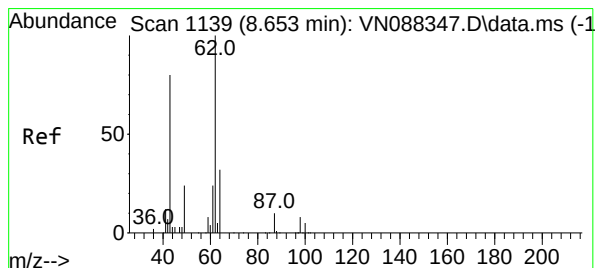
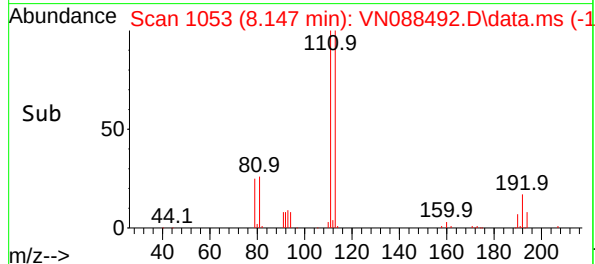
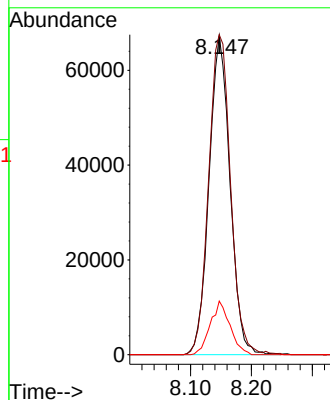
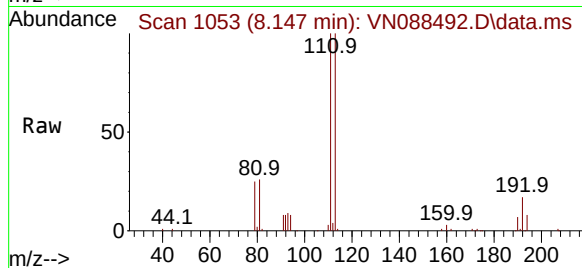
Tgt Ion:113 Resp: 160883

Ion Ratio Lower Upper

113 100

111 104.8 82.5 123.7

192 15.8 12.8 19.2



#42

1,2-Dichloroethane

Concen: 1.020 ug/l

RT: 8.653 min Scan# 1139

Delta R.T. 0.000 min

Lab File: VN088492.D

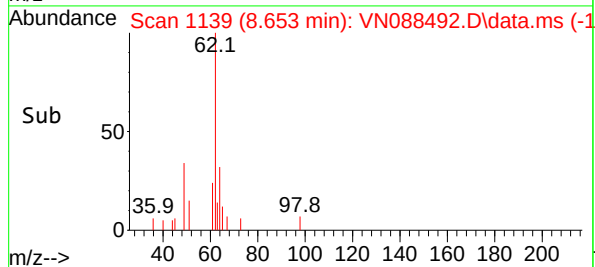
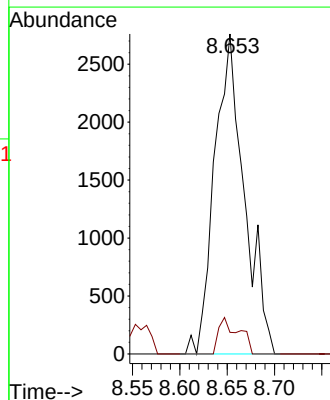
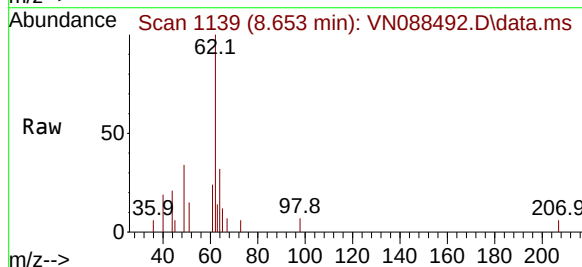
Acq: 10 Dec 2025 12:23

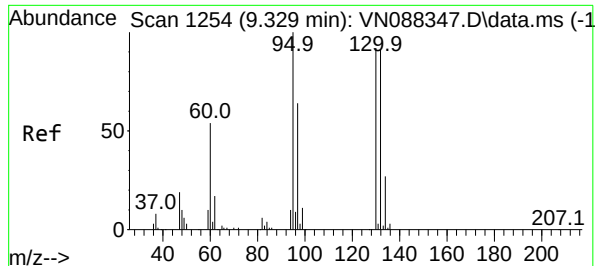
Tgt Ion: 62 Resp: 6039

Ion Ratio Lower Upper

62 100

98 7.7 0.0 16.2





#44

Trichloroethene

Concen: 7.286 ug/l

RT: 9.329 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088492.D

Acq: 10 Dec 2025 12:23

Instrument :

MSVOA_N

ClientSampleId :

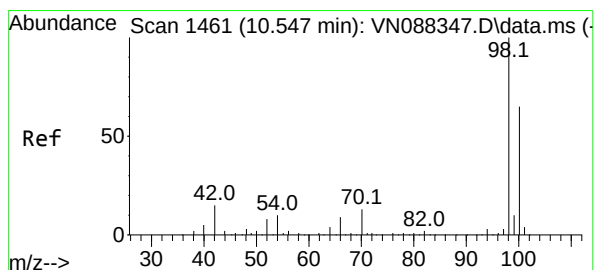
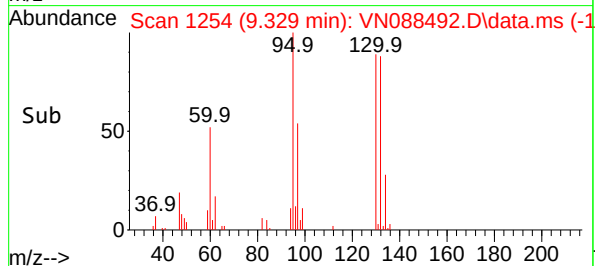
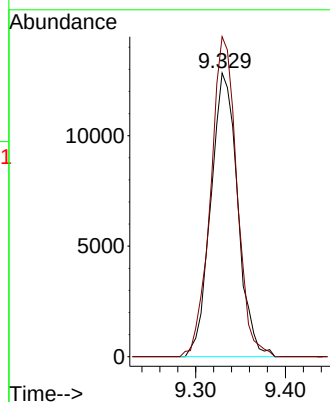
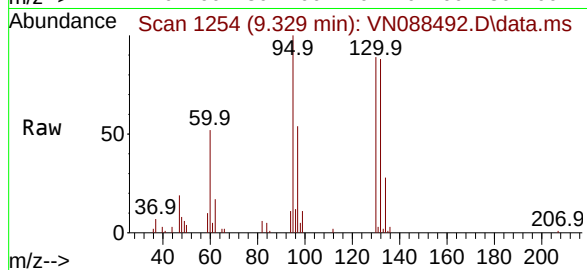
BR-04DR-451-120825

Tgt Ion:130 Resp: 26716

Ion Ratio Lower Upper

130 100

95 112.8 0.0 217.0



#50

Toluene-d8

Concen: 44.919 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088492.D

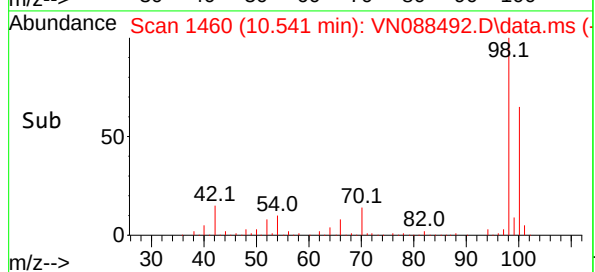
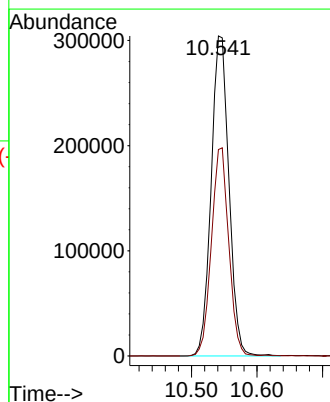
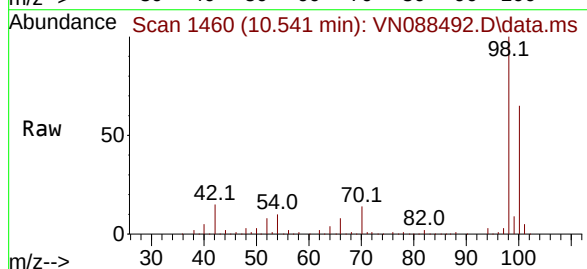
Acq: 10 Dec 2025 12:23

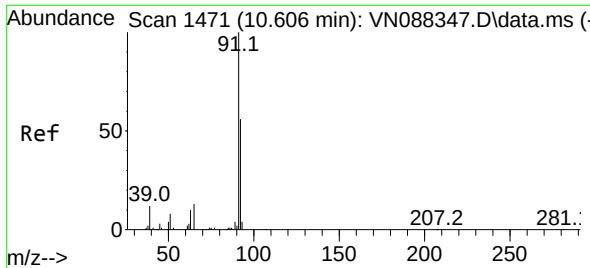
Tgt Ion: 98 Resp: 572596

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.2

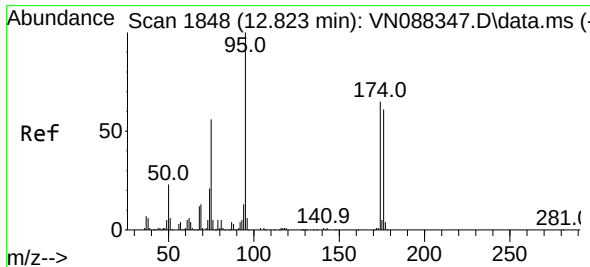
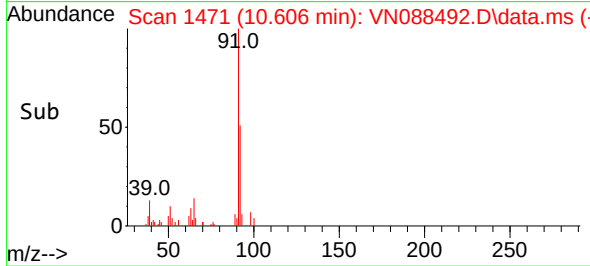
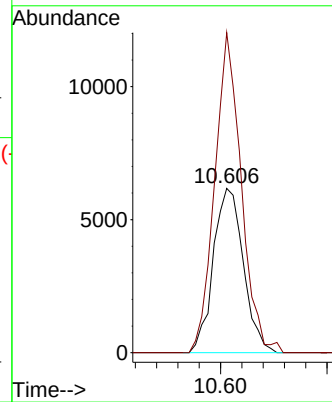
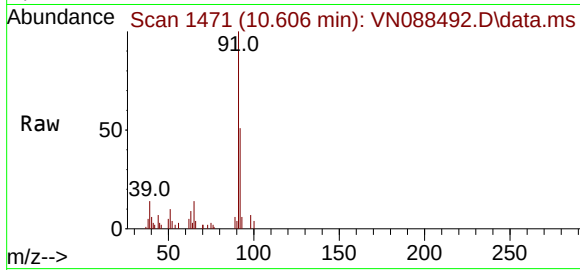




#52
Toluene
Concen: 1.349 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

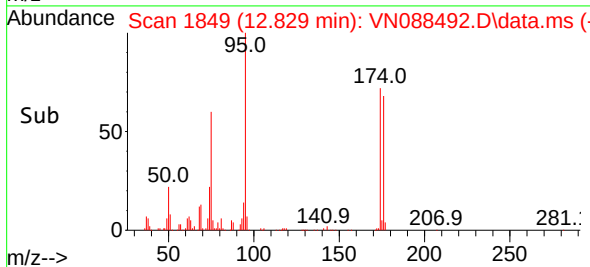
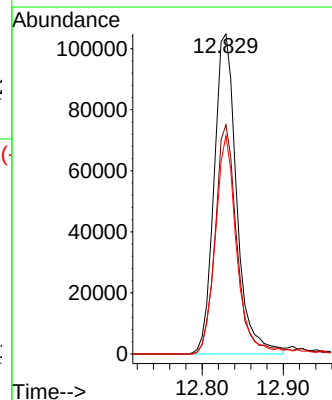
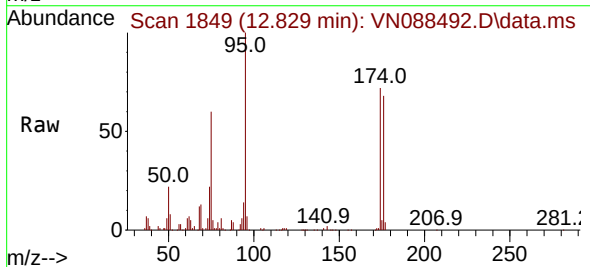
Instrument :
MSVOA_N
ClientSampleId :
BR-04DR-451-120825

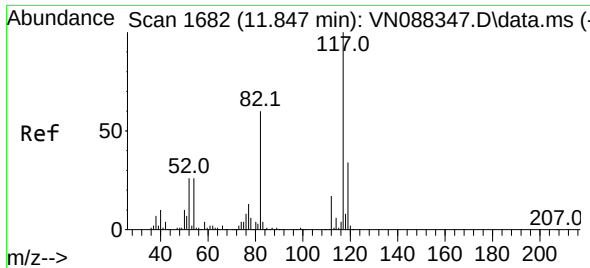
Tgt Ion: 92 Resp: 12084
Ion Ratio Lower Upper
92 100
91 172.2 140.2 210.2



#62
4-Bromofluorobenzene
Concen: 46.322 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

Tgt Ion: 95 Resp: 202603
Ion Ratio Lower Upper
95 100
174 69.2 0.0 139.0
176 65.5 0.0 132.4

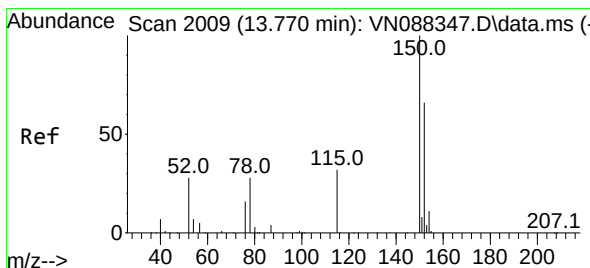
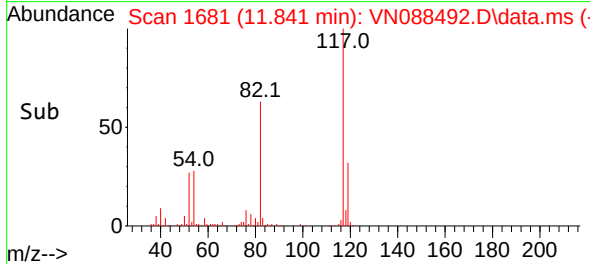
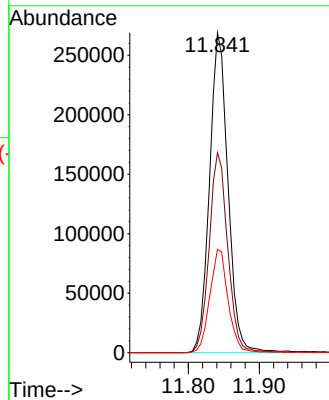
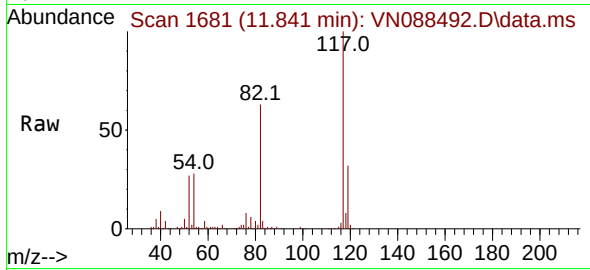




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

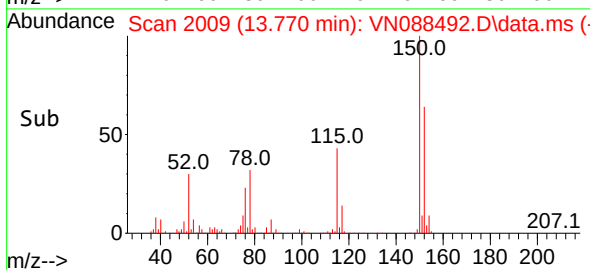
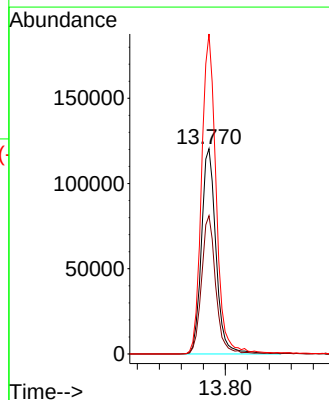
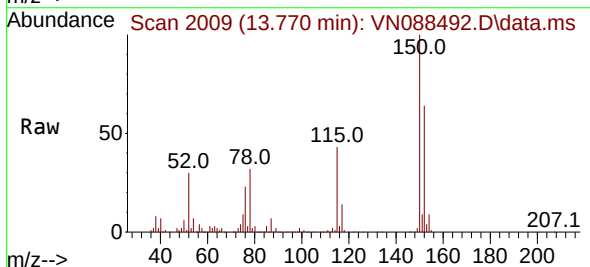
Instrument :
MSVOA_N
ClientSampleId :
BR-04DR-451-120825

Tgt Ion:	117	Resp:	485409
Ion	Ratio	Lower	Upper
117	100		
82	62.5	47.8	71.8
119	32.3	26.9	40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

Tgt Ion:	152	Resp:	222072
Ion	Ratio	Lower	Upper
152	100		
115	65.6	33.0	98.9
150	156.6	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088493.D
 Acq On : 10 Dec 2025 12:44
 Operator : JC\MD
 Sample : Q3813-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-120825

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Dec 11 02:06:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

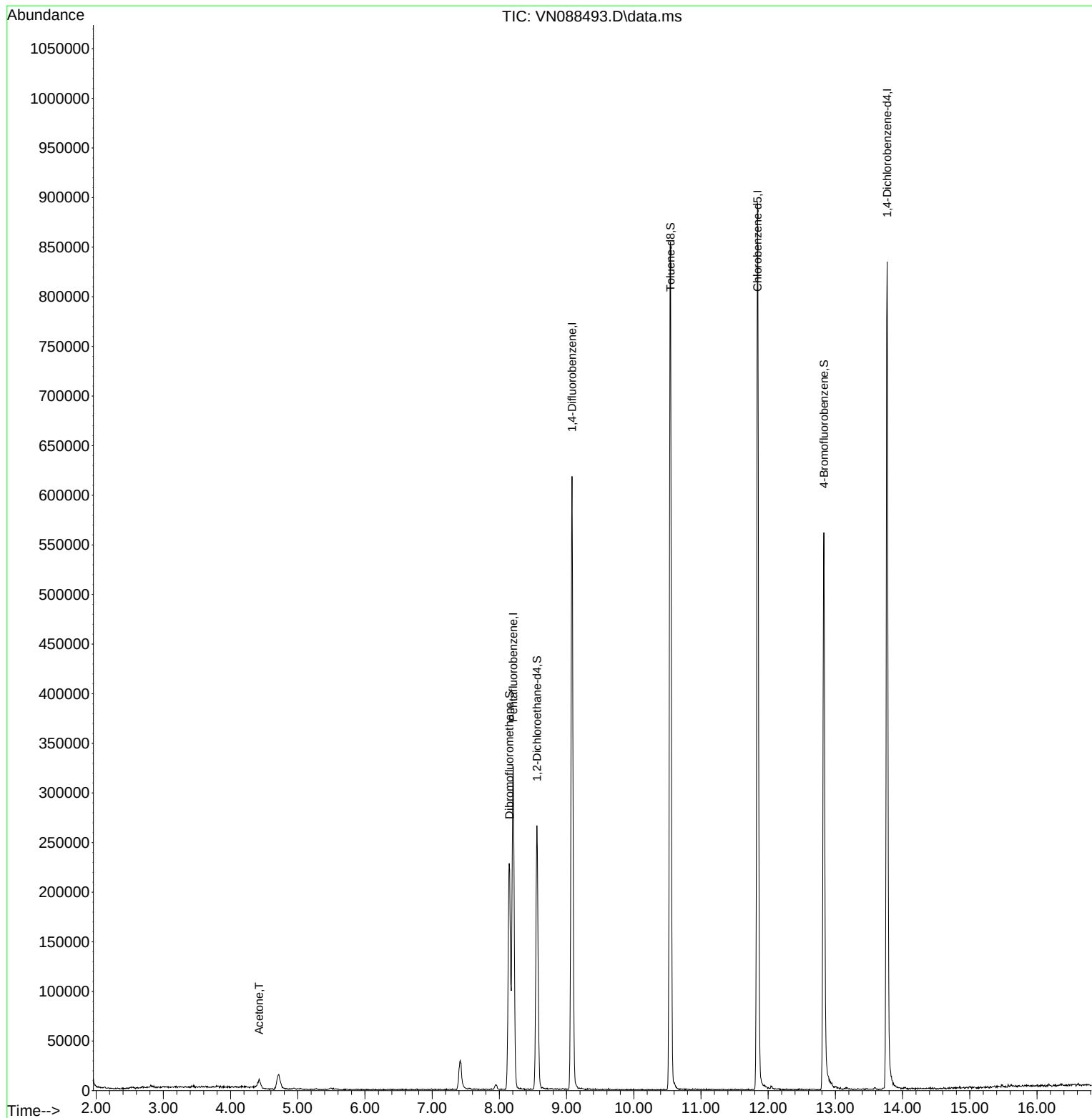
Internal Standards						
1) Pentafluorobenzene	8.206	168	207235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	478662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	473650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	227328	58.231	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	116.460%	
35) Dibromofluoromethane	8.147	113	163948	49.425	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	98.840%	
50) Toluene-d8	10.547	98	573401	46.459	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	92.920%	
62) 4-Bromofluorobenzene	12.829	95	213914	50.513	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	101.020%	
Target Compounds						
16) Acetone	4.424	43	18673	13.226	ug/l	Qvalue # 77

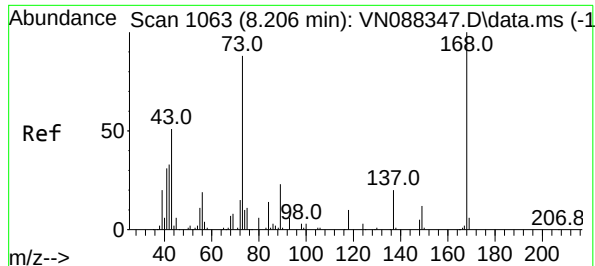
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
Data File : VN088493.D
Acq On : 10 Dec 2025 12:44
Operator : JC\MD
Sample : Q3813-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EB01-120825

Quant Time: Dec 11 02:06:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

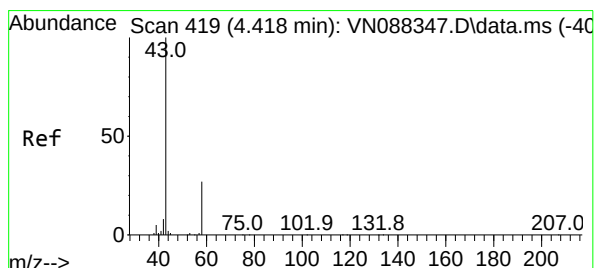
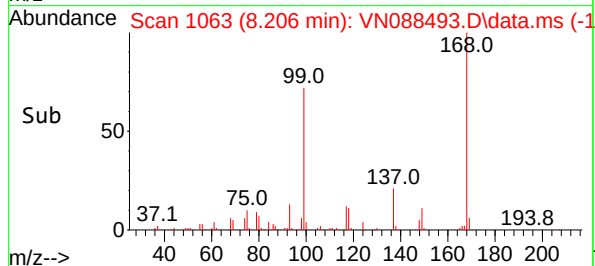
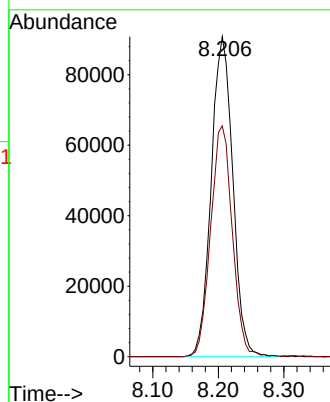
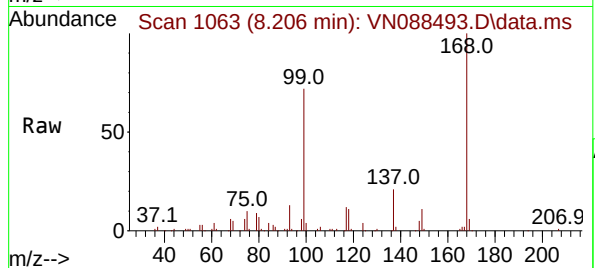




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088493.D
Acq: 10 Dec 2025 12:44

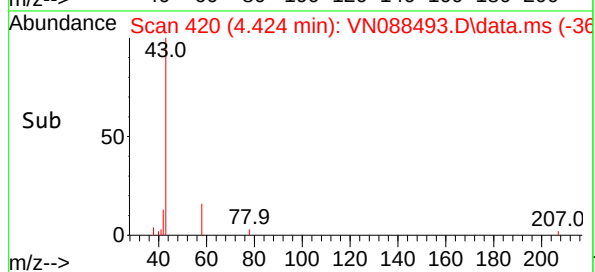
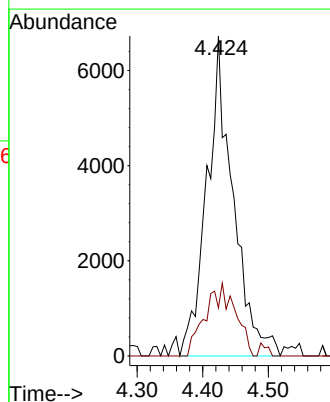
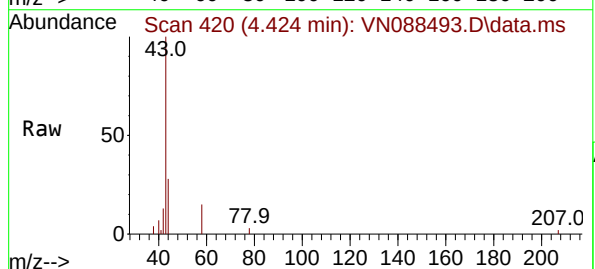
Instrument :
MSVOA_N
ClientSampleId :
EB01-120825

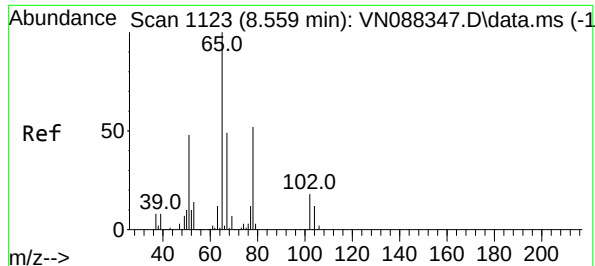
Tgt Ion:168 Resp: 207235
Ion Ratio Lower Upper
168 100
99 72.1 57.1 85.7



#16
Acetone
Concen: 13.226 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088493.D
Acq: 10 Dec 2025 12:44

Tgt Ion: 43 Resp: 18673
Ion Ratio Lower Upper
43 100
58 15.0 21.7 32.5#





#33

1,2-Dichloroethane-d4

Concen: 58.231 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088493.D

Acq: 10 Dec 2025 12:44

Instrument :

MSVOA_N

ClientSampleId :

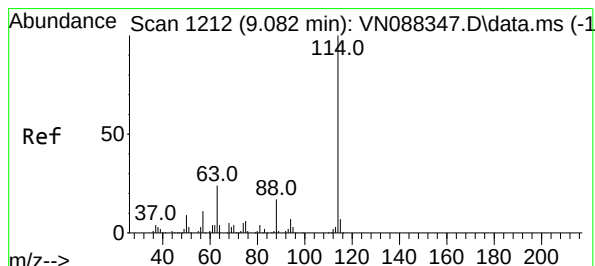
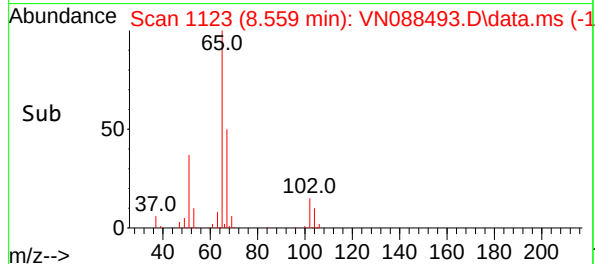
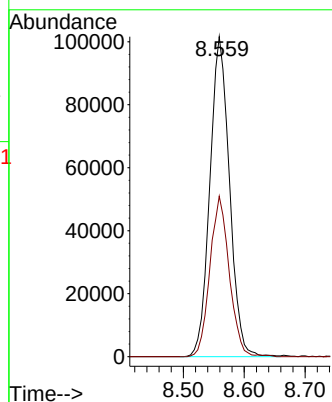
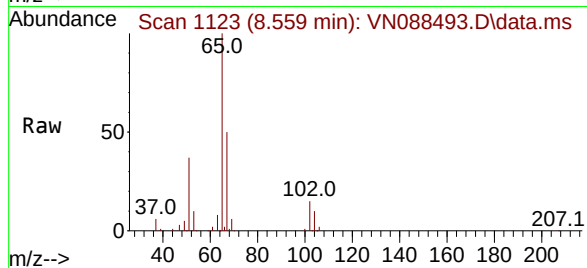
EB01-120825

Tgt Ion: 65 Resp: 227328

Ion Ratio Lower Upper

65 100

67 49.6 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088493.D

Acq: 10 Dec 2025 12:44

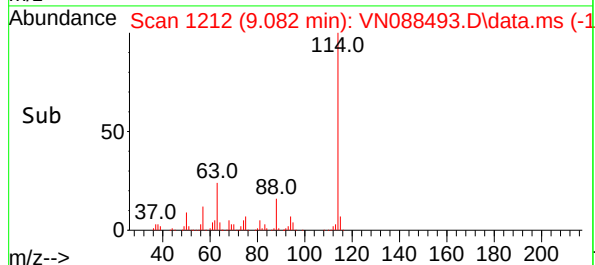
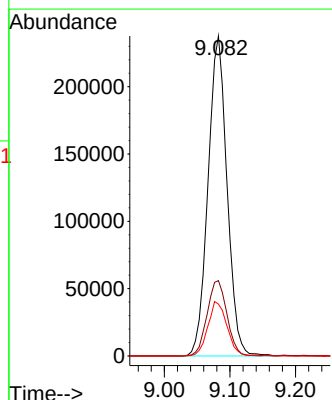
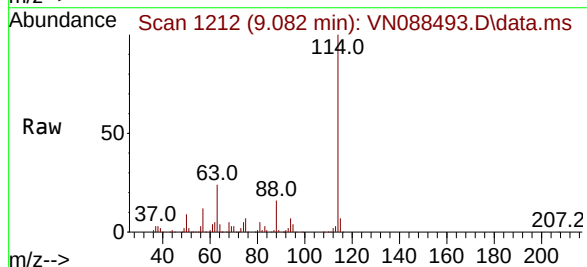
Tgt Ion: 114 Resp: 478662

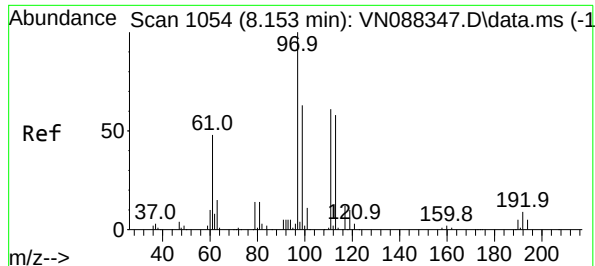
Ion Ratio Lower Upper

114 100

63 23.6 0.0 49.0

88 16.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.425 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088493.D

Acq: 10 Dec 2025 12:44

Instrument :

MSVOA_N

ClientSampleId :

EB01-120825

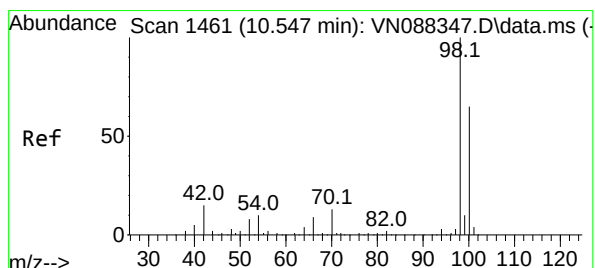
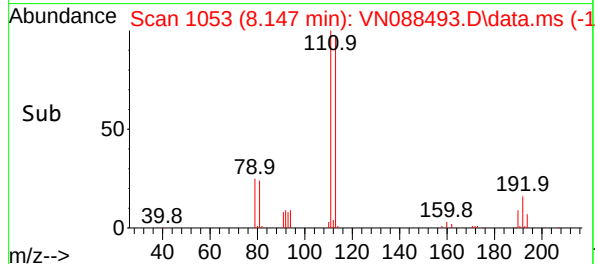
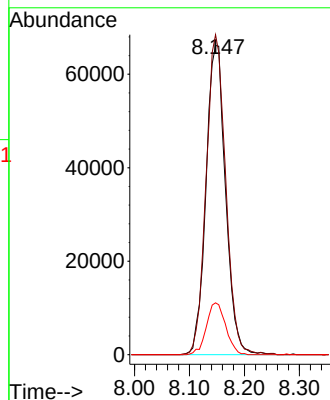
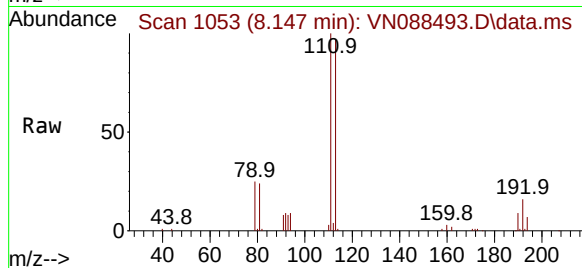
Tgt Ion:113 Resp: 163948

Ion Ratio Lower Upper

113 100

111 103.1 82.5 123.7

192 16.5 12.8 19.2



#50

Toluene-d8

Concen: 46.459 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN088493.D

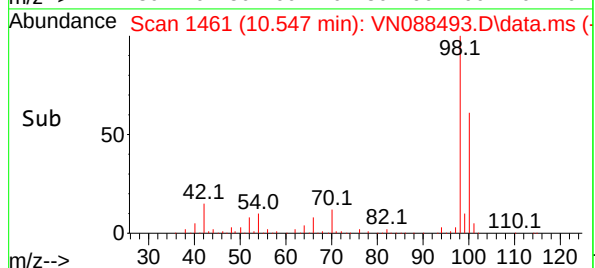
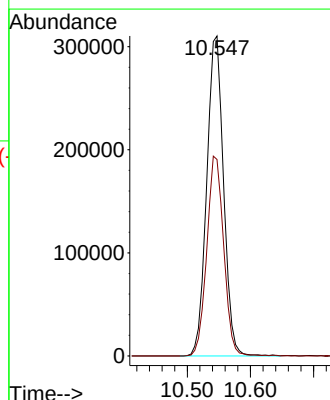
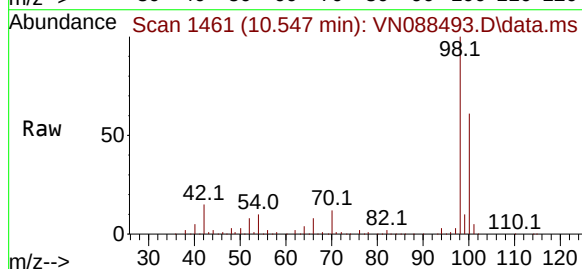
Acq: 10 Dec 2025 12:44

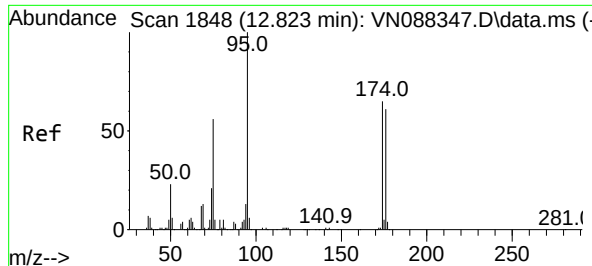
Tgt Ion: 98 Resp: 573401

Ion Ratio Lower Upper

98 100

100 62.7 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 50.513 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN088493.D

Acq: 10 Dec 2025 12:44

Instrument :

MSVOA_N

ClientSampleId :

EB01-120825

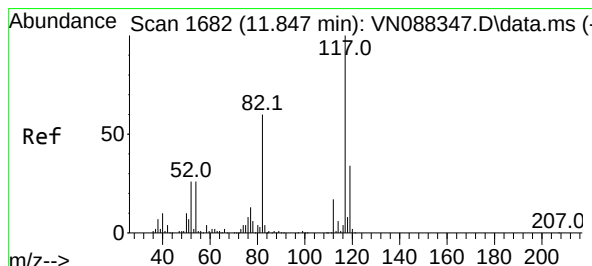
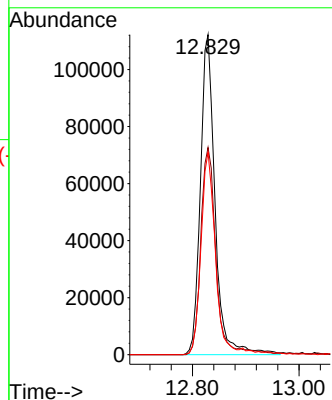
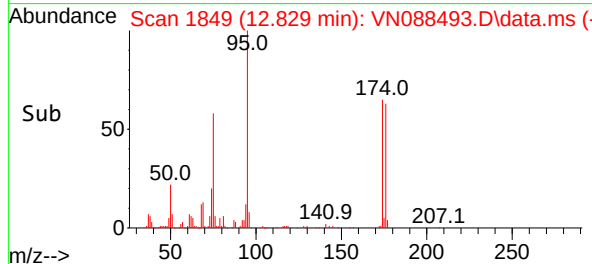
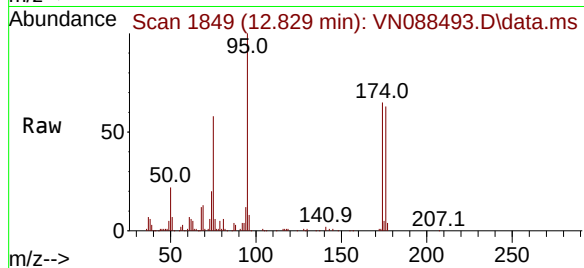
Tgt Ion: 95 Resp: 213914

Ion Ratio Lower Upper

95 100

174 67.0 0.0 139.0

176 61.2 0.0 132.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1681

Delta R.T. -0.006 min

Lab File: VN088493.D

Acq: 10 Dec 2025 12:44

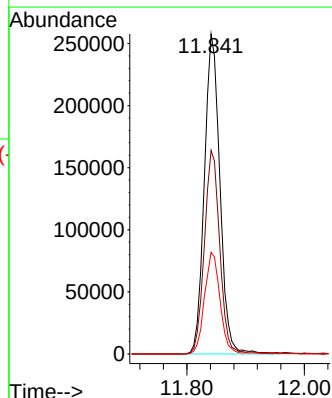
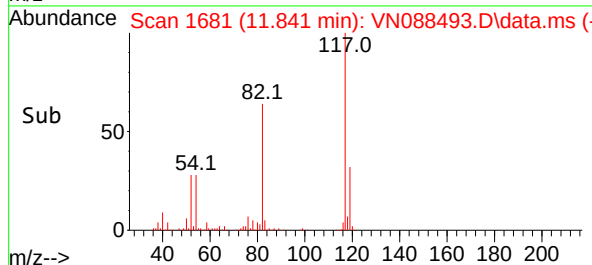
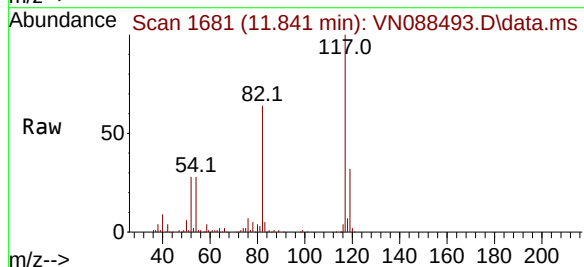
Tgt Ion: 117 Resp: 473650

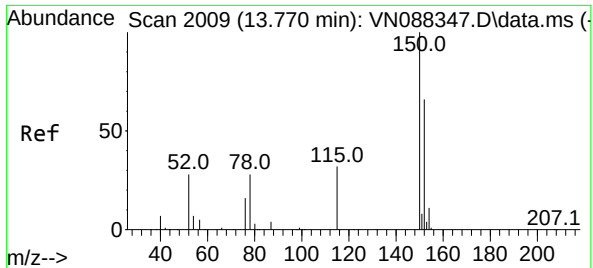
Ion Ratio Lower Upper

117 100

82 63.6 47.8 71.8

119 31.8 26.9 40.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN088493.D

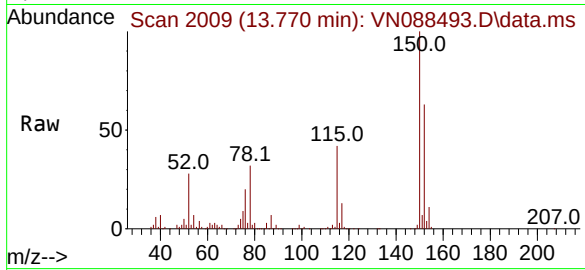
Acq: 10 Dec 2025 12:44

Instrument :

MSVOA_N

ClientSampleId :

EB01-120825



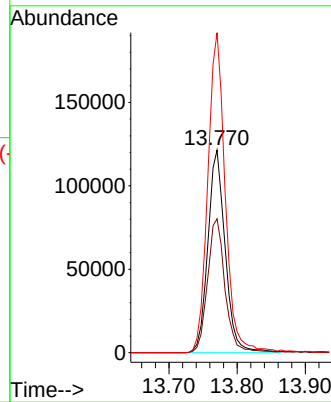
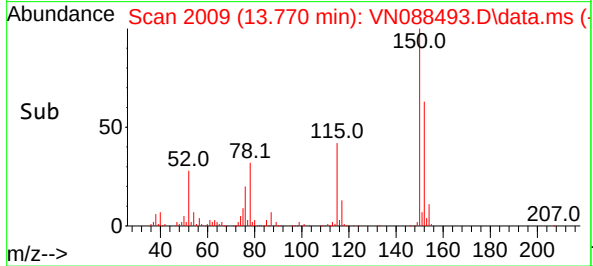
Tgt Ion:152 Resp: 215051

Ion Ratio Lower Upper

152 100

115 66.8 33.0 98.9

150 159.9 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088494.D
 Acq On : 10 Dec 2025 13:04
 Operator : JC\MD
 Sample : Q3813-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-120825

Quant Time: Dec 11 02:06:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	225847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	531810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	534272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	252826	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	259278	60.942	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	121.880%
35) Dibromofluoromethane	8.147	113	180608	49.006	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.020%
50) Toluene-d8	10.541	98	618777	45.125	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.240%
62) 4-Bromofluorobenzene	12.829	95	228926	48.655	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.320%

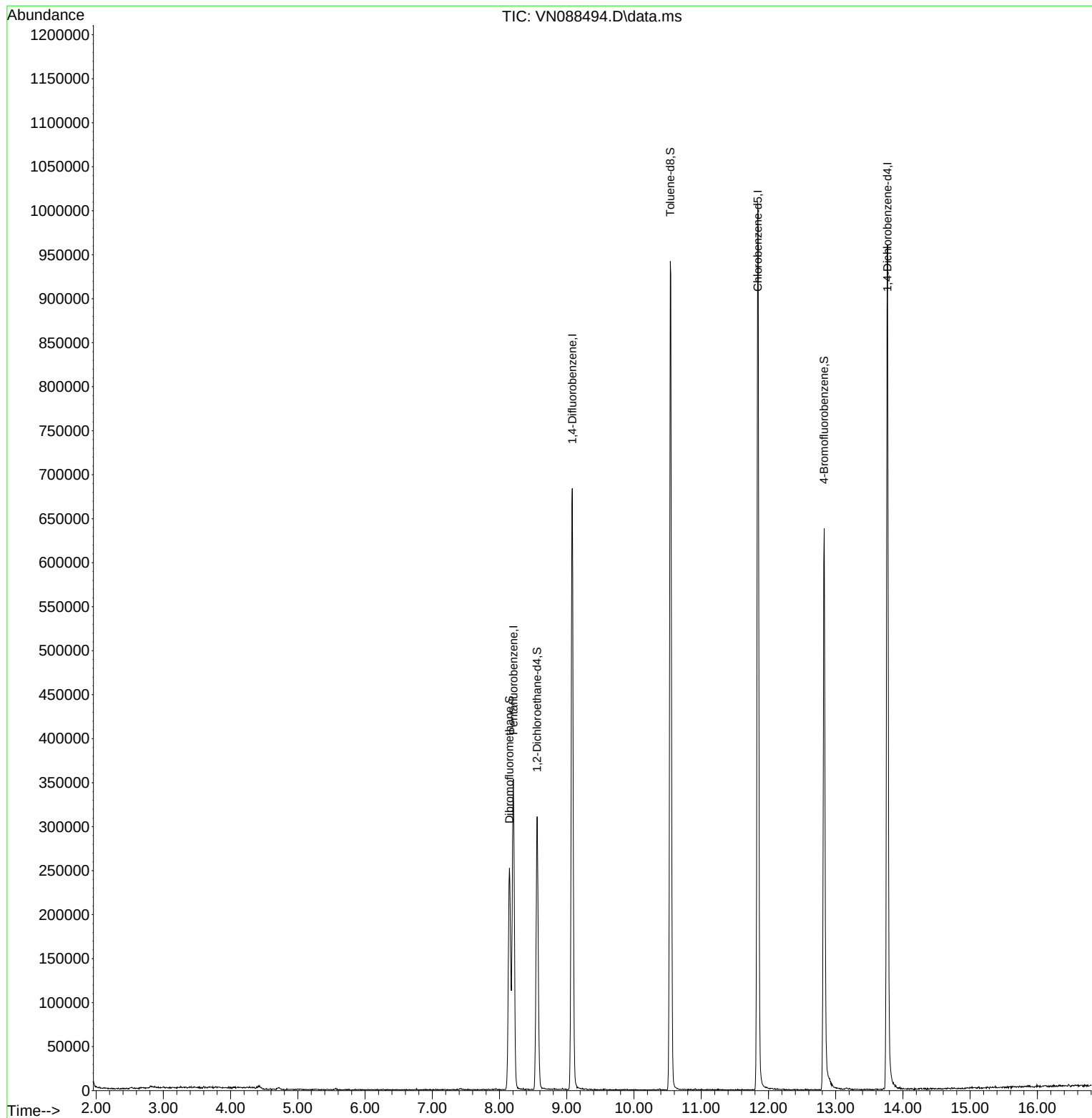
Target Compounds	Qvalue

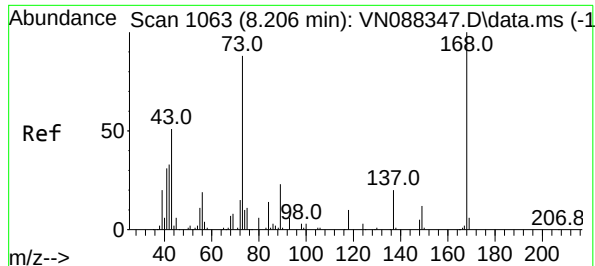
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
Data File : VN088494.D
Acq On : 10 Dec 2025 13:04
Operator : JC\MD
Sample : Q3813-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB01-120825

Quant Time: Dec 11 02:06:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

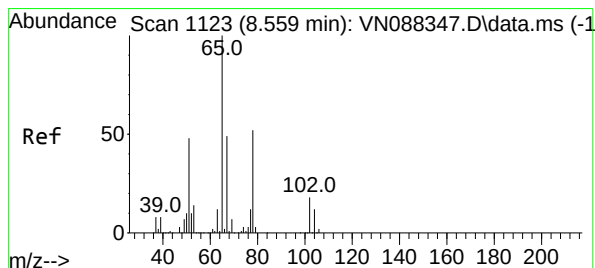
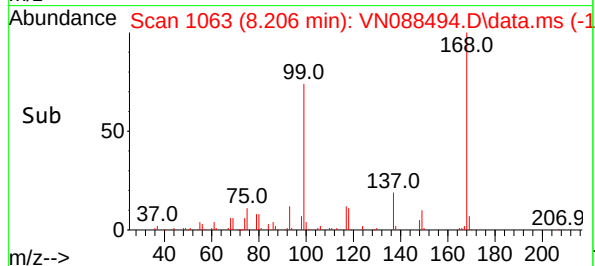
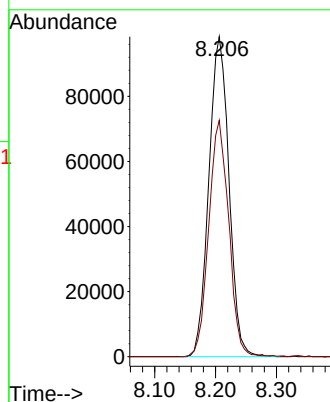
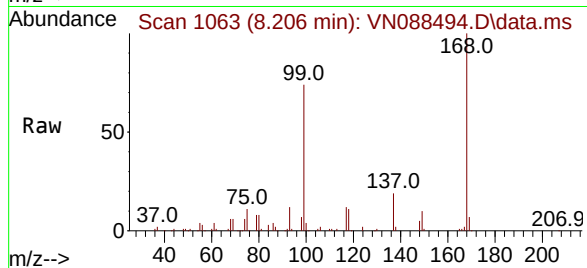




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088494.D
Acq: 10 Dec 2025 13:04

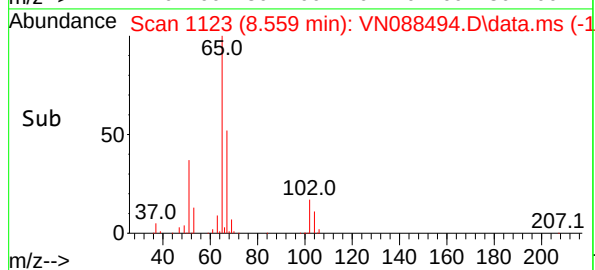
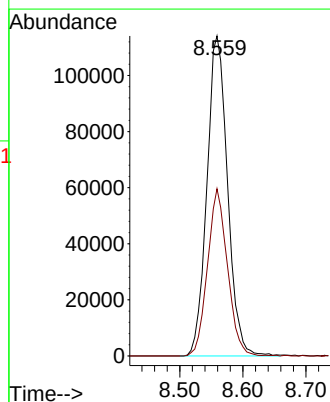
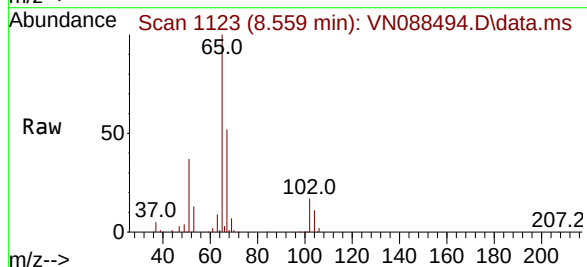
Instrument :
MSVOA_N
ClientSampleId :
TB01-120825

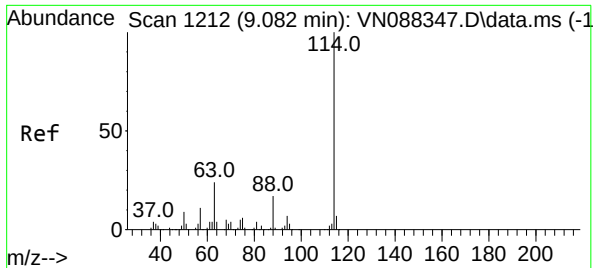
Tgt Ion:168 Resp: 225847
Ion Ratio Lower Upper
168 100
99 73.9 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 60.942 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088494.D
Acq: 10 Dec 2025 13:04

Tgt Ion: 65 Resp: 259278
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088494.D

Acq: 10 Dec 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

TB01-120825

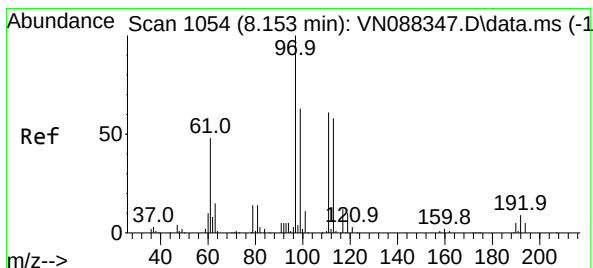
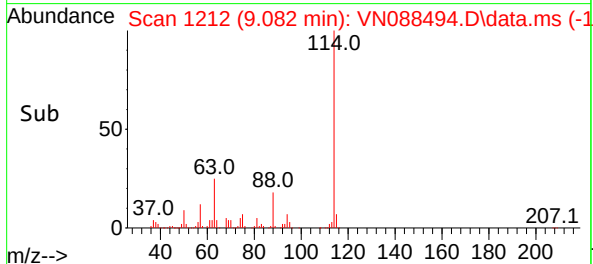
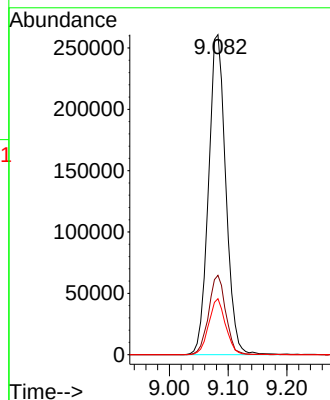
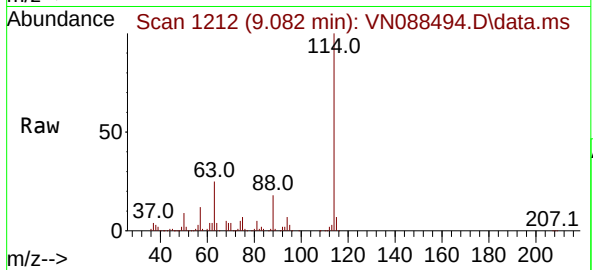
Tgt Ion:114 Resp: 531810

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.0

88 17.5 0.0 34.0



#35

Dibromofluoromethane

Concen: 49.006 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088494.D

Acq: 10 Dec 2025 13:04

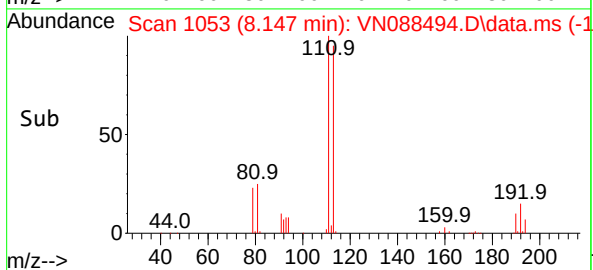
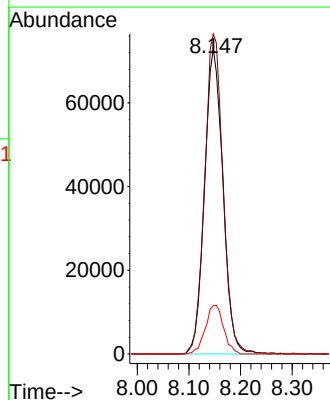
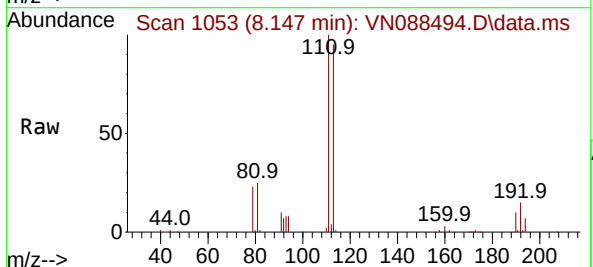
Tgt Ion:113 Resp: 180608

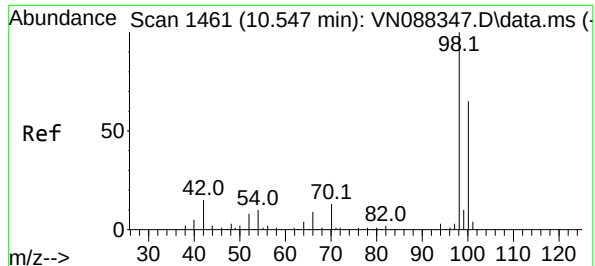
Ion Ratio Lower Upper

113 100

111 104.5 82.5 123.7

192 15.8 12.8 19.2





#50

Toluene-d8

Concen: 45.125 ug/l

RT: 10.541 min Scan# 1461

Delta R.T. -0.006 min

Lab File: VN088494.D

Acq: 10 Dec 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

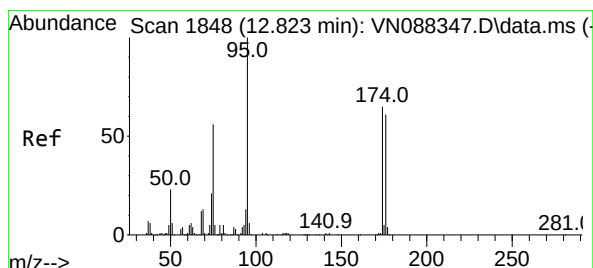
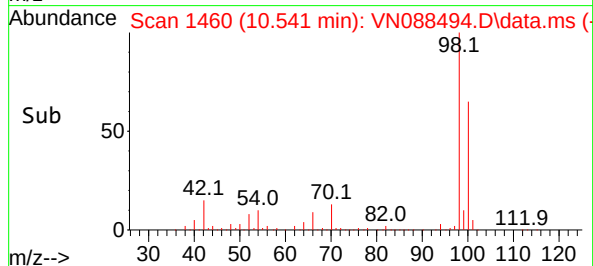
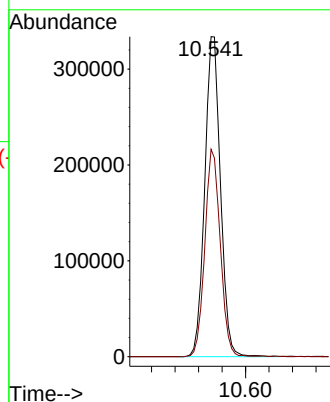
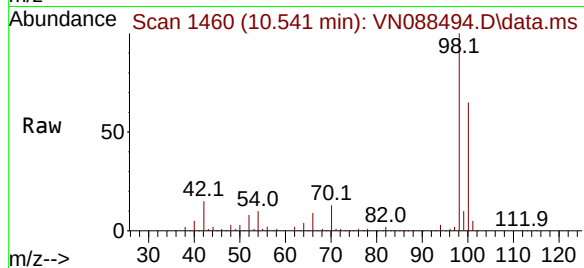
TB01-120825

Tgt Ion: 98 Resp: 618777

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.655 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088494.D

Acq: 10 Dec 2025 13:04

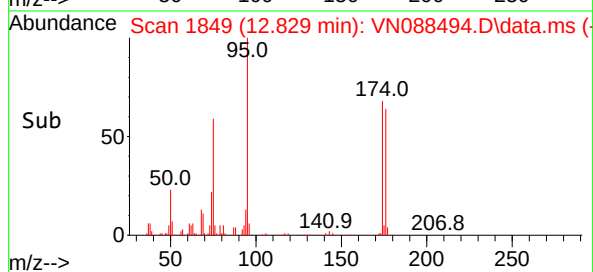
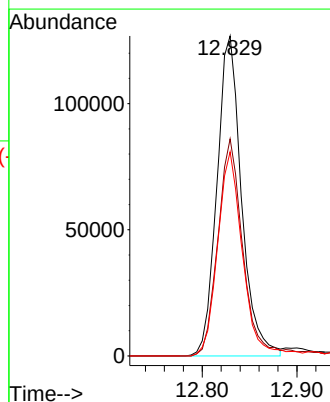
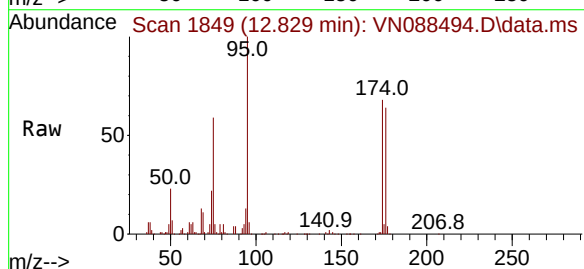
Tgt Ion: 95 Resp: 228926

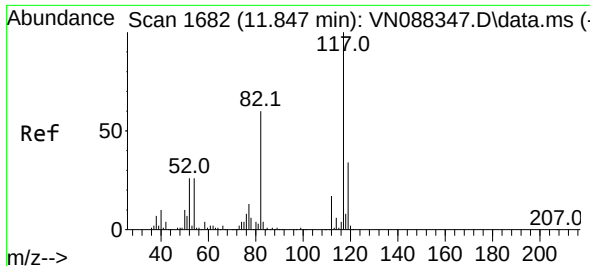
Ion Ratio Lower Upper

95 100

174 70.3 0.0 139.0

176 64.6 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088494.D

Acq: 10 Dec 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

TB01-120825

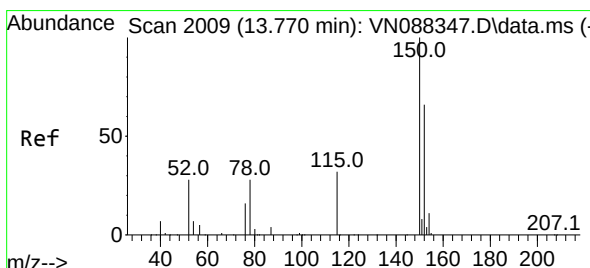
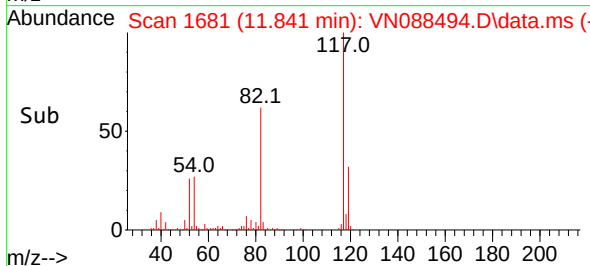
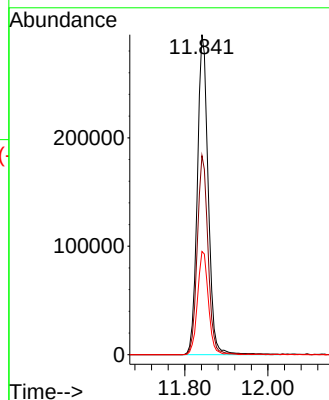
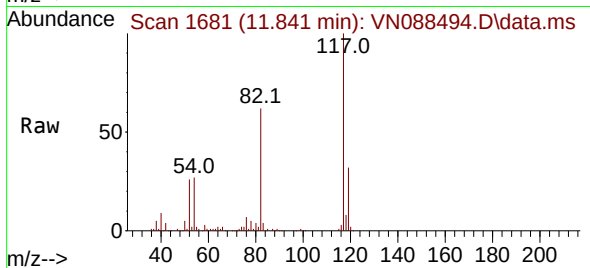
Tgt Ion:117 Resp: 534272

Ion Ratio Lower Upper

117 100

82 62.2 47.8 71.8

119 32.3 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN088494.D

Acq: 10 Dec 2025 13:04

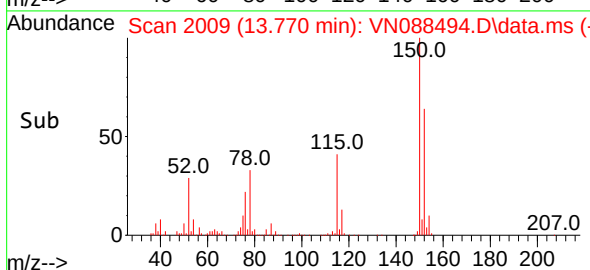
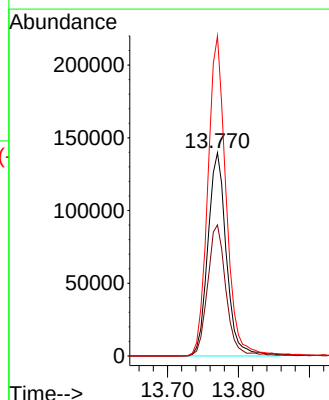
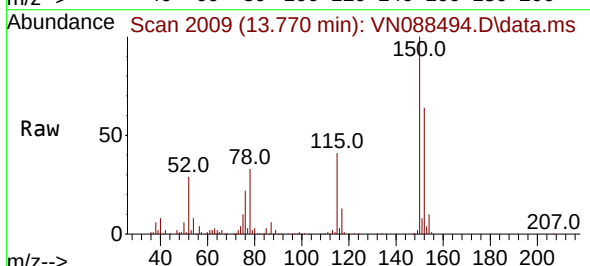
Tgt Ion:152 Resp: 252826

Ion Ratio Lower Upper

152 100

115 64.4 33.0 98.9

150 156.0 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
Data File : VN088489.D
Acq On : 10 Dec 2025 10:57
Operator : JC\MD
Sample : VN1210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBL01

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Dec 11 02:03:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	199142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	459524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	467279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211178	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	216905	57.819	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.640%
35) Dibromofluoromethane	8.147	113	161740	50.790	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.580%
50) Toluene-d8	10.541	98	557070	47.015	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.040%
62) 4-Bromofluorobenzene	12.823	95	195010	47.967	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.940%

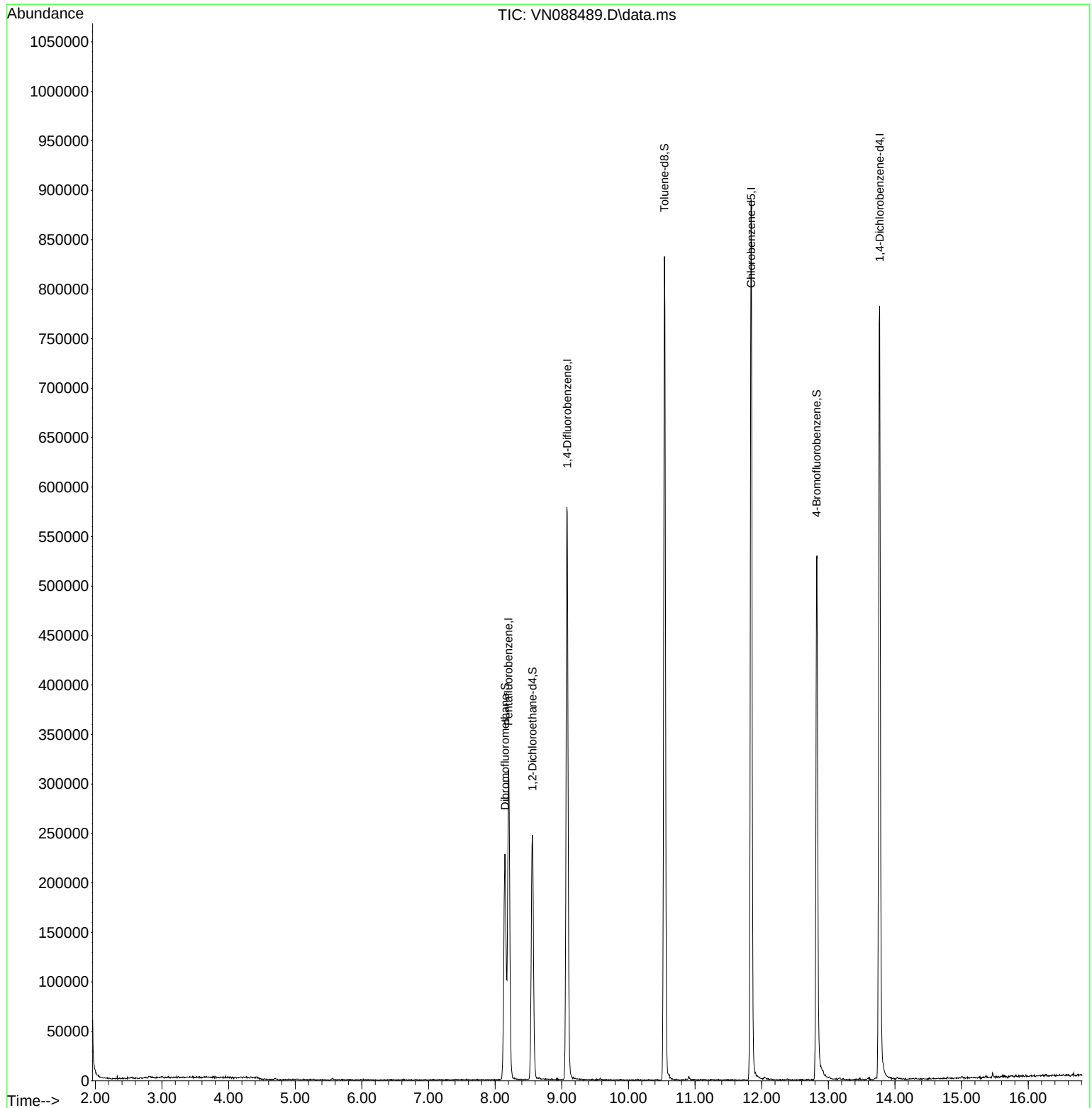
Target Compounds	Qvalue

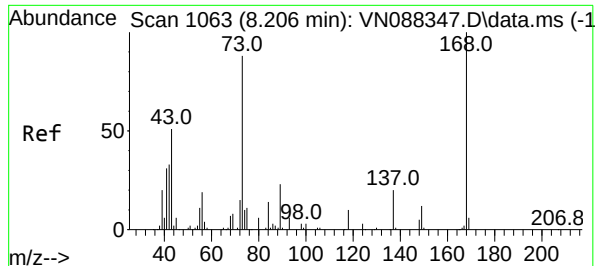
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
Data File : VN088489.D
Acq On : 10 Dec 2025 10:57
Operator : JC\MD
Sample : VN1210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBL01

Quant Time: Dec 11 02:03:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

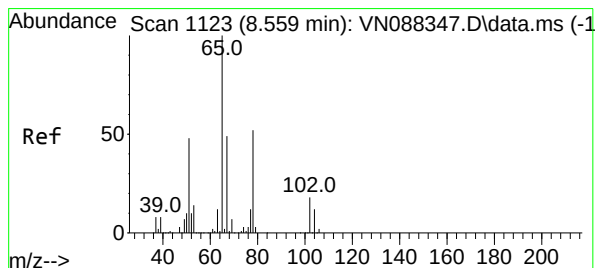
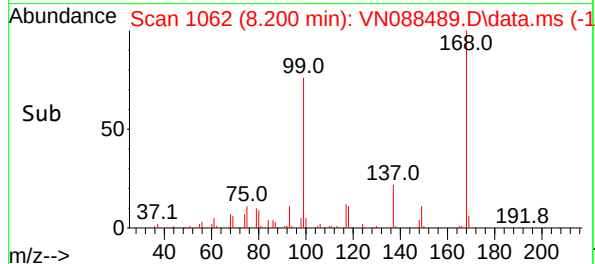
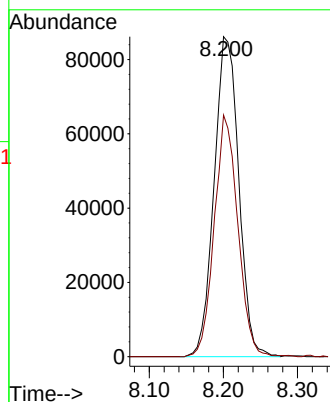
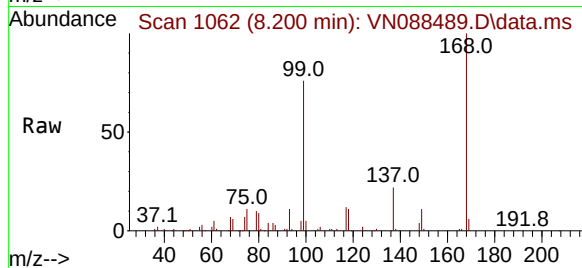




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

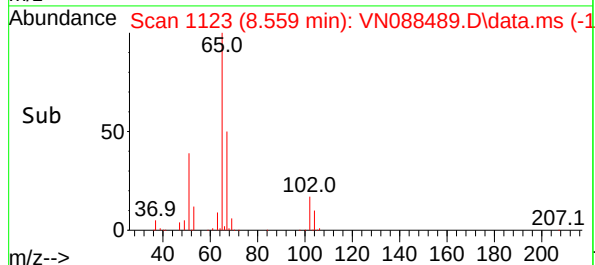
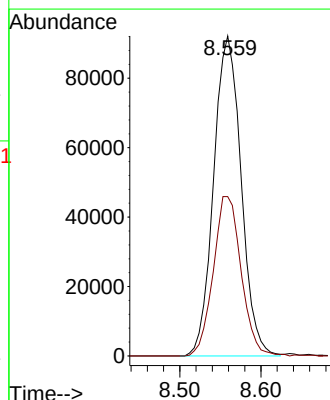
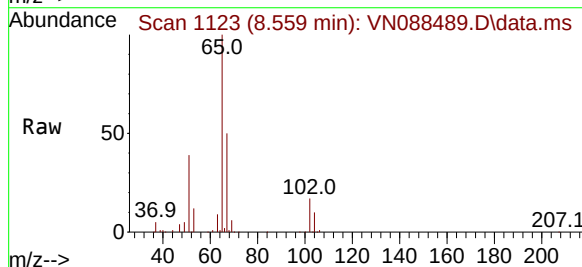
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBL01

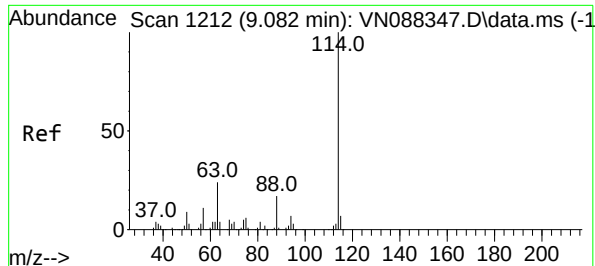
Tgt Ion:168 Resp: 199142
Ion Ratio Lower Upper
168 100
99 75.5 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 57.819 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

Tgt Ion: 65 Resp: 216905
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088489.D

Acq: 10 Dec 2025 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL01

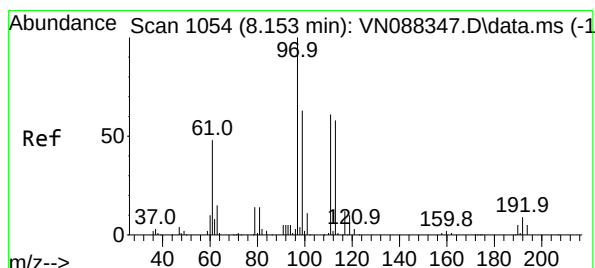
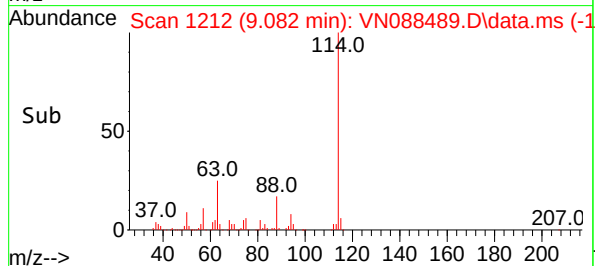
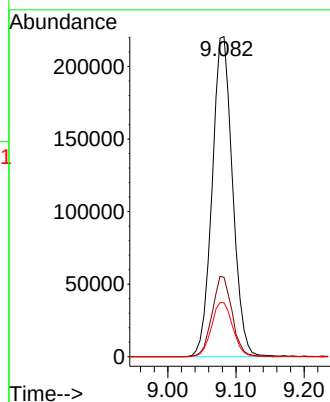
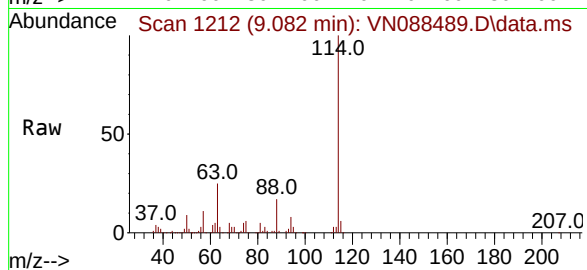
Tgt Ion:114 Resp: 459524

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.0

88 16.8 0.0 34.0



#35

Dibromofluoromethane

Concen: 50.790 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088489.D

Acq: 10 Dec 2025 10:57

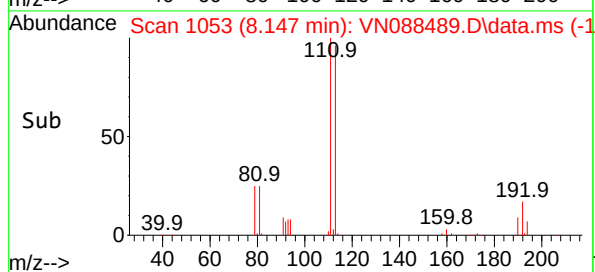
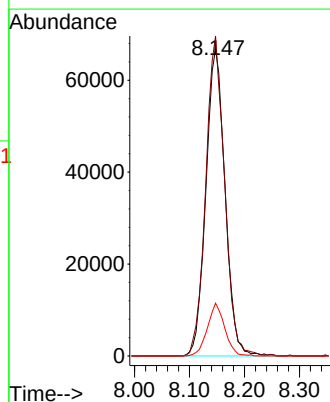
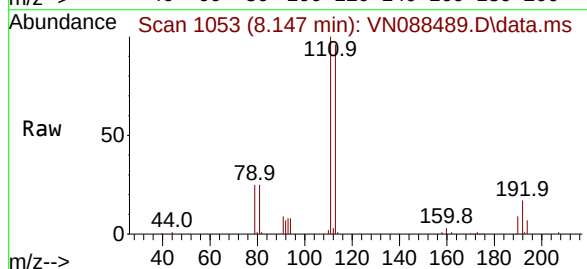
Tgt Ion:113 Resp: 161740

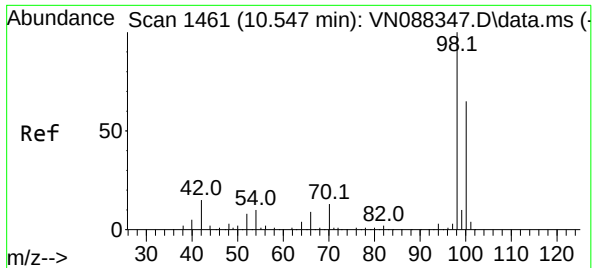
Ion Ratio Lower Upper

113 100

111 102.5 82.5 123.7

192 15.6 12.8 19.2

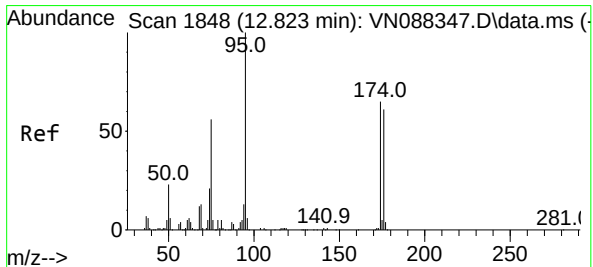
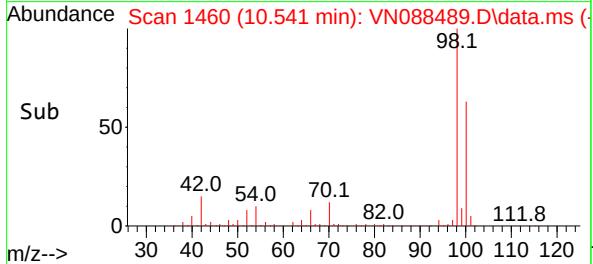
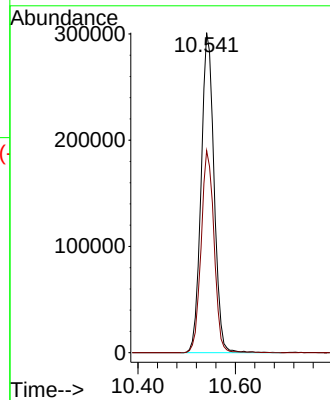
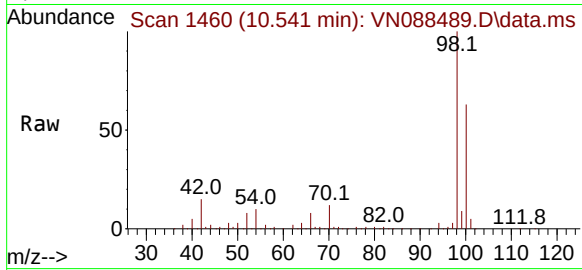




#50
Toluene-d8
Concen: 47.015 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

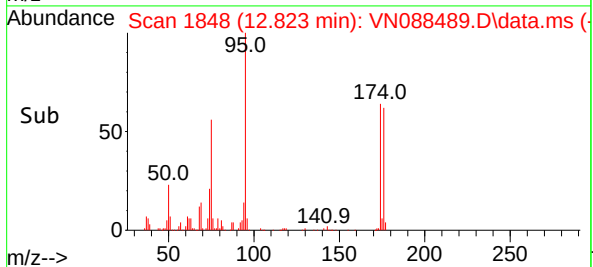
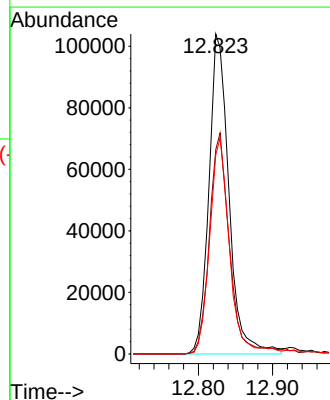
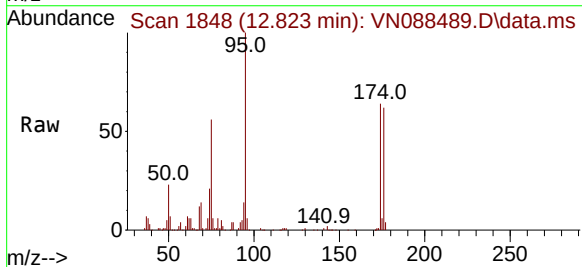
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBL01

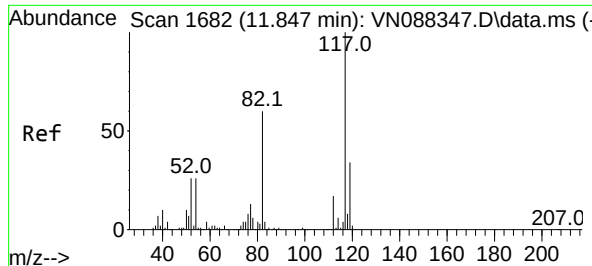
Tgt Ion: 98 Resp: 557070
Ion Ratio Lower Upper
98 100
100 63.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 47.967 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088489.D
Acq: 10 Dec 2025 10:57

Tgt Ion: 95 Resp: 195010
Ion Ratio Lower Upper
95 100
174 70.0 0.0 139.0
176 65.3 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088489.D

Acq: 10 Dec 2025 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL01

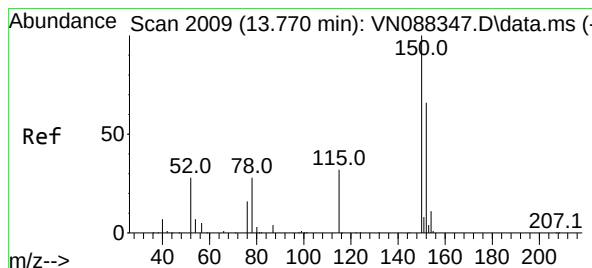
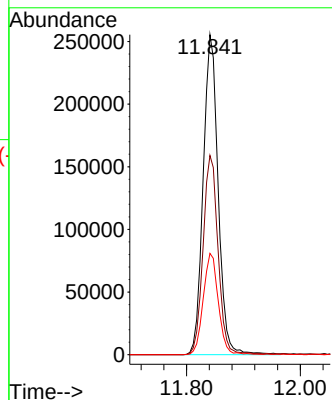
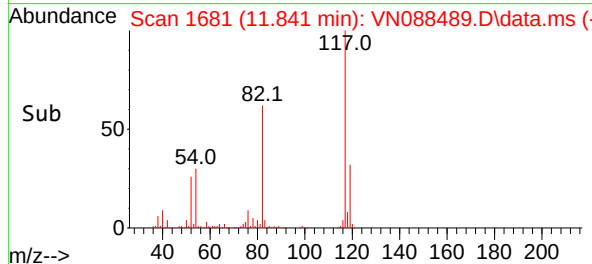
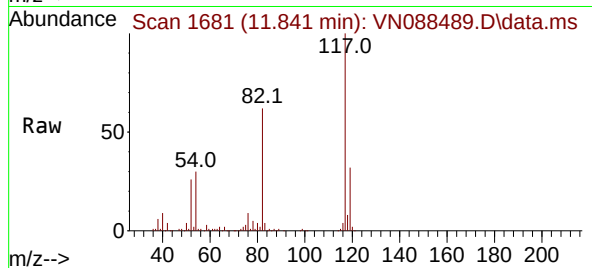
Tgt Ion:117 Resp: 467279

Ion Ratio Lower Upper

117 100

82 62.2 47.8 71.8

119 31.6 26.9 40.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN088489.D

Acq: 10 Dec 2025 10:57

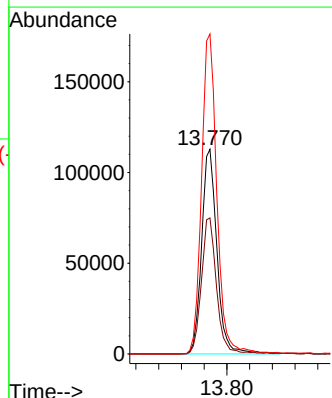
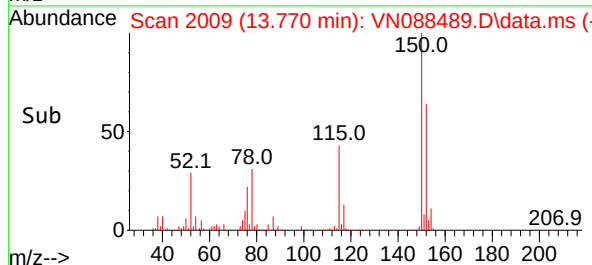
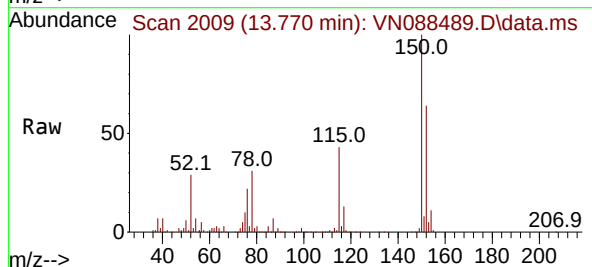
Tgt Ion:152 Resp: 211178

Ion Ratio Lower Upper

152 100

115 64.7 33.0 98.9

150 156.6 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088491.D
 Acq On : 10 Dec 2025 12:03
 Operator : JC\MD
 Sample : VN1210WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/11/2025

Quant Time: Dec 11 02:04:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	279896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	512638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	464243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	225326	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	302126	57.300	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.600%	
35) Dibromofluoromethane	8.147	113	197450	55.580	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.160%	
50) Toluene-d8	10.541	98	712188	53.879	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.760%	
62) 4-Bromofluorobenzene	12.829	95	249748	55.066	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 110.140%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	82749	19.683	ug/l	97
3) Chloromethane	2.383	50	86390	19.133	ug/l	99
4) Vinyl Chloride	2.536	62	86755	18.887	ug/l	99
5) Bromomethane	2.989	94	42404	19.180	ug/l	100
6) Chloroethane	3.147	64	56571	19.901	ug/l	97
7) Trichlorofluoromethane	3.518	101	131030	20.296	ug/l	95
8) Diethyl Ether	3.959	74	47849	19.747	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	68173	19.835	ug/l	99
10) Methyl Iodide	4.583	142	58580	17.217	ug/l #	92
11) Tert butyl alcohol	5.512	59	70533	83.787	ug/l	98
12) 1,1-Dichloroethene	4.342	96	63472	18.587	ug/l	96
13) Acrolein	4.183	56	70604	87.605	ug/l	94
14) Allyl chloride	5.012	41	120689	19.068	ug/l	97
15) Acrylonitrile	5.706	53	241627	99.484	ug/l	99
16) Acetone	4.424	43	206481	108.282	ug/l	95
17) Carbon Disulfide	4.706	76	200301	17.950	ug/l	97
18) Methyl Acetate	5.024	43	119208	21.002	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	266679	20.844	ug/l	94
20) Methylene Chloride	5.265	84	80934	19.838	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	72315	19.117	ug/l	99
22) Diisopropyl ether	6.659	45	289254	21.406	ug/l	96
23) Vinyl Acetate	6.588	43	1260159	115.750	ug/l	99
24) 1,1-Dichloroethane	6.553	63	156969	20.513	ug/l	97
25) 2-Butanone	7.465	43	317156	103.459	ug/l	95
26) 2,2-Dichloropropane	7.477	77	136406	20.652	ug/l	99
27) cis-1,2-Dichloroethene	7.465	96	85160	19.371	ug/l	94
28) Bromochloromethane	7.794	49	76036	19.947	ug/l	96
29) Tetrahydrofuran	7.824	42	220027	100.066	ug/l	98
30) Chloroform	7.947	83	158499	21.079	ug/l	93
31) Cyclohexane	8.241	56	133815	19.297	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	136127	20.590	ug/l	98
36) 1,1-Dichloropropene	8.353	75	105160	19.180	ug/l	98
37) Ethyl Acetate	7.547	43	135954	18.859	ug/l	98
38) Carbon Tetrachloride	8.341	117	114063	20.898	ug/l	95
39) Methylcyclohexane	9.582	83	106499	18.160	ug/l	98
40) Benzene	8.582	78	322165	20.020	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088491.D
 Acq On : 10 Dec 2025 12:03
 Operator : JC\MD
 Sample : VN1210WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/11/2025

Quant Time: Dec 11 02:04:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	74755	20.936	ug/l	98
42) 1,2-Dichloroethane	8.653	62	138256	22.519	ug/l	99
43) Isopropyl Acetate	8.671	43	220654	20.033	ug/l	99
44) Trichloroethene	9.329	130	69870	18.376	ug/l	98
45) 1,2-Dichloropropane	9.600	63	85464	20.729	ug/l	97
46) Dibromomethane	9.688	93	60983	20.726	ug/l	98
47) Bromodichloromethane	9.865	83	129700	21.604	ug/l	98
48) Methyl methacrylate	9.659	41	103591	20.612	ug/l	98
49) 1,4-Dioxane	9.682	88	21469	335.910	ug/l #	92
51) 4-Methyl-2-Pentanone	10.423	43	692727	106.698	ug/l	99
52) Toluene	10.606	92	194573	20.940	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	125115	20.303	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	132169	20.395	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	76463	21.269	ug/l	98
56) Ethyl methacrylate	10.859	69	115793	20.391	ug/l	99
57) 1,3-Dichloropropane	11.141	76	134721	20.773	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	279608	85.407	ug/l	99
59) 2-Hexanone	11.176	43	413196	101.028	ug/l	98
60) Dibromochloromethane	11.335	129	88020	21.478	ug/l	100
61) 1,2-Dibromoethane	11.447	107	77397	21.260	ug/l	98
64) Tetrachloroethene	11.082	164	64200	17.444	ug/l	95
65) Chlorobenzene	11.870	112	204424	19.604	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.935	131	72826	20.707	ug/l	98
67) Ethyl Benzene	11.941	91	350926	19.254	ug/l	98
68) m/p-Xylenes	12.047	106	264504	39.142	ug/l	97
69) o-Xylene	12.376	106	123765	19.211	ug/l	99
70) Styrene	12.388	104	210279	20.102	ug/l	99
71) Bromoform	12.559	173	54485	21.151	ug/l #	97
73) Isopropylbenzene	12.670	105	316021	18.969	ug/l	100
74) N-amyl acetate	12.682	43	98399m	17.343	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	118148	21.936	ug/l	96
76) 1,2,3-Trichloropropane	12.970	75	111030m	21.038	ug/l	
77) Bromobenzene	12.959	156	77783	20.405	ug/l	96
78) n-propylbenzene	13.012	91	407902	20.013	ug/l	99
79) 2-Chlorotoluene	13.100	91	247457	19.882	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	272542	19.742	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	34219	18.394	ug/l #	92
82) 4-Chlorotoluene	13.200	91	257740	20.849	ug/l	100
83) tert-Butylbenzene	13.412	119	226056	19.262	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	274739	20.022	ug/l	98
85) sec-Butylbenzene	13.594	105	329448	19.541	ug/l	99
86) p-Isopropyltoluene	13.706	119	272515	19.712	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	147679	19.901	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	151712	19.518	ug/l	97
89) n-Butylbenzene	14.035	91	255518	19.036	ug/l	97
90) Hexachloroethane	14.311	117	48753	19.304	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	139106	19.921	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	24058	18.410	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	75376	18.167	ug/l	99
94) Hexachlorobutadiene	15.470	225	28573	19.164	ug/l	96
95) Naphthalene	15.611	128	252994	17.597	ug/l	98
96) 1,2,3-Trichlorobenzene	15.811	180	70909	17.561	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
Data File : VN088491.D
Acq On : 10 Dec 2025 12:03
Operator : JC\MD
Sample : VN1210WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 11 02:04:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025

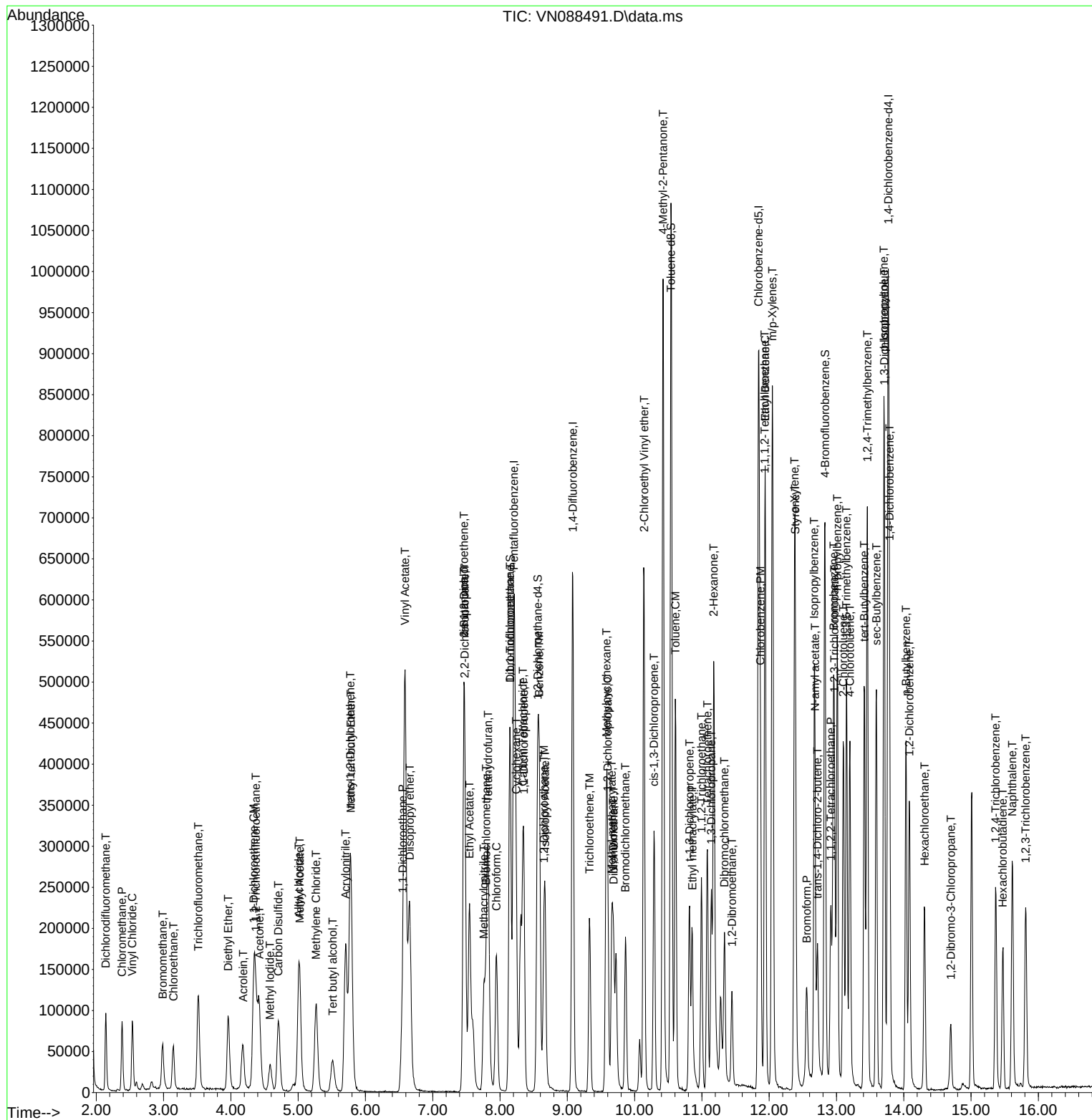
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088496.D
 Acq On : 10 Dec 2025 13:45
 Operator : JC\MD
 Sample : VN1210WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/11/2025

Quant Time: Dec 11 02:06:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	226609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	440776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	408174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	199717	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	259490	60.787	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.580%	
35) Dibromofluoromethane	8.147	113	169025	55.335	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.680%	
50) Toluene-d8	10.541	98	597142	52.541	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.080%	
62) 4-Bromofluorobenzene	12.823	95	210912	54.085	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.160%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	62439	18.345	ug/l	96
3) Chloromethane	2.383	50	67502	18.465	ug/l	98
4) Vinyl Chloride	2.536	62	67189	18.067	ug/l	99
5) Bromomethane	2.989	94	33391	18.655	ug/l	90
6) Chloroethane	3.148	64	43783	19.024	ug/l	99
7) Trichlorofluoromethane	3.524	101	99969	19.126	ug/l	92
8) Diethyl Ether	3.959	74	38362	19.554	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.377	101	52513	18.872	ug/l	98
10) Methyl Iodide	4.583	142	42947	15.591	ug/l #	93
11) Tert butyl alcohol	5.506	59	60652	88.991	ug/l	99
12) 1,1-Dichloroethene	4.342	96	53154	19.226	ug/l	89
13) Acrolein	4.177	56	52703	80.771	ug/l	100
14) Allyl chloride	5.018	41	97887	19.102	ug/l	98
15) Acrylonitrile	5.706	53	206874	105.204	ug/l	98
16) Acetone	4.418	43	226535	146.735	ug/l	98
17) Carbon Disulfide	4.712	76	161159	17.839	ug/l	99
18) Methyl Acetate	5.018	43	101935	22.181	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	211986	20.466	ug/l	99
20) Methylene Chloride	5.265	84	66444	20.116	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	58805	19.201	ug/l	98
22) Diisopropyl ether	6.653	45	230841	21.101	ug/l	91
23) Vinyl Acetate	6.589	43	1022501	116.006	ug/l	98
24) 1,1-Dichloroethane	6.559	63	128321	20.712	ug/l	95
25) 2-Butanone	7.465	43	288097	116.079	ug/l	94
26) 2,2-Dichloropropane	7.471	77	105983	19.819	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	71205	20.006	ug/l	98
28) Bromochloromethane	7.794	49	88987	28.833	ug/l	100
29) Tetrahydrofuran	7.824	42	178261	100.135	ug/l	99
30) Chloroform	7.947	83	131389	21.583	ug/l	99
31) Cyclohexane	8.236	56	96701	17.224	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	108515	20.273	ug/l	95
36) 1,1-Dichloropropene	8.353	75	82081	17.412	ug/l	98
37) Ethyl Acetate	7.541	43	118034	19.042	ug/l	98
38) Carbon Tetrachloride	8.341	117	87318	18.606	ug/l	99
39) Methylcyclohexane	9.577	83	75150	14.903	ug/l	98
40) Benzene	8.588	78	263185	19.022	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088496.D
 Acq On : 10 Dec 2025 13:45
 Operator : JC\MD
 Sample : VN1210WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/11/2025

Quant Time: Dec 11 02:06:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	60031	19.554	ug/l	98
42) 1,2-Dichloroethane	8.653	62	112287	21.271	ug/l	98
43) Isopropyl Acetate	8.671	43	178268	18.823	ug/l	99
44) Trichloroethene	9.330	130	56577	17.306	ug/l	99
45) 1,2-Dichloropropane	9.606	63	70358	19.847	ug/l	97
46) Dibromomethane	9.694	93	51460	20.341	ug/l	98
47) Bromodichloromethane	9.865	83	105403	20.419	ug/l	98
48) Methyl methacrylate	9.659	41	80824	18.704	ug/l	100
49) 1,4-Dioxane	9.677	88	19429	353.552	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	567860	101.725	ug/l	100
52) Toluene	10.606	92	156589	19.600	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	99689	18.815	ug/l	100
54) cis-1,3-Dichloropropene	10.288	75	105841	18.995	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	64166	20.759	ug/l	96
56) Ethyl methacrylate	10.853	69	91116	18.661	ug/l	98
57) 1,3-Dichloropropane	11.141	76	112040	20.092	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	126034	44.774	ug/l	98
59) 2-Hexanone	11.177	43	340552	96.841	ug/l	99
60) Dibromochloromethane	11.329	129	71113	20.181	ug/l	100
61) 1,2-Dibromoethane	11.447	107	63175	20.183	ug/l	99
64) Tetrachloroethene	11.082	164	46267	14.298	ug/l	92
65) Chlorobenzene	11.865	112	165806	18.085	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.935	131	59129	19.122	ug/l	98
67) Ethyl Benzene	11.941	91	276056	17.227	ug/l	98
68) m/p-Xylenes	12.047	106	205689	34.620	ug/l	98
69) o-Xylene	12.376	106	98717	17.428	ug/l	96
70) Styrene	12.388	104	166487	18.102	ug/l	99
71) Bromoform	12.559	173	42890	18.937	ug/l #	99
73) Isopropylbenzene	12.676	105	237264	16.067	ug/l	99
74) N-amyl acetate	12.688	43	99912m	19.867	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	92597	19.397	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	91617m	19.586	ug/l	
77) Bromobenzene	12.959	156	62228	18.418	ug/l	98
78) n-propylbenzene	13.012	91	308833	17.095	ug/l	99
79) 2-Chlorotoluene	13.100	91	194938	17.670	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	208192	17.014	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	27006	16.379	ug/l #	92
82) 4-Chlorotoluene	13.200	91	202428	18.474	ug/l	99
83) tert-Butylbenzene	13.412	119	166323	15.990	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	215051	17.682	ug/l	97
85) sec-Butylbenzene	13.594	105	242366	16.219	ug/l	99
86) p-Isopropyltoluene	13.706	119	198002	16.159	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	117572	17.876	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	121032	17.568	ug/l	97
89) n-Butylbenzene	14.035	91	184645	15.519	ug/l	99
90) Hexachloroethane	14.306	117	38861	17.360	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	111046	17.942	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	20968	18.103	ug/l	93
93) 1,2,4-Trichlorobenzene	15.365	180	57086	15.523	ug/l	96
94) Hexachlorobutadiene	15.470	225	19943	15.091	ug/l	94
95) Naphthalene	15.617	128	195728	15.359	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	56108	15.677	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
Data File : VN088496.D
Acq On : 10 Dec 2025 13:45
Operator : JC\MD
Sample : VN1210WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 11 02:06:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025

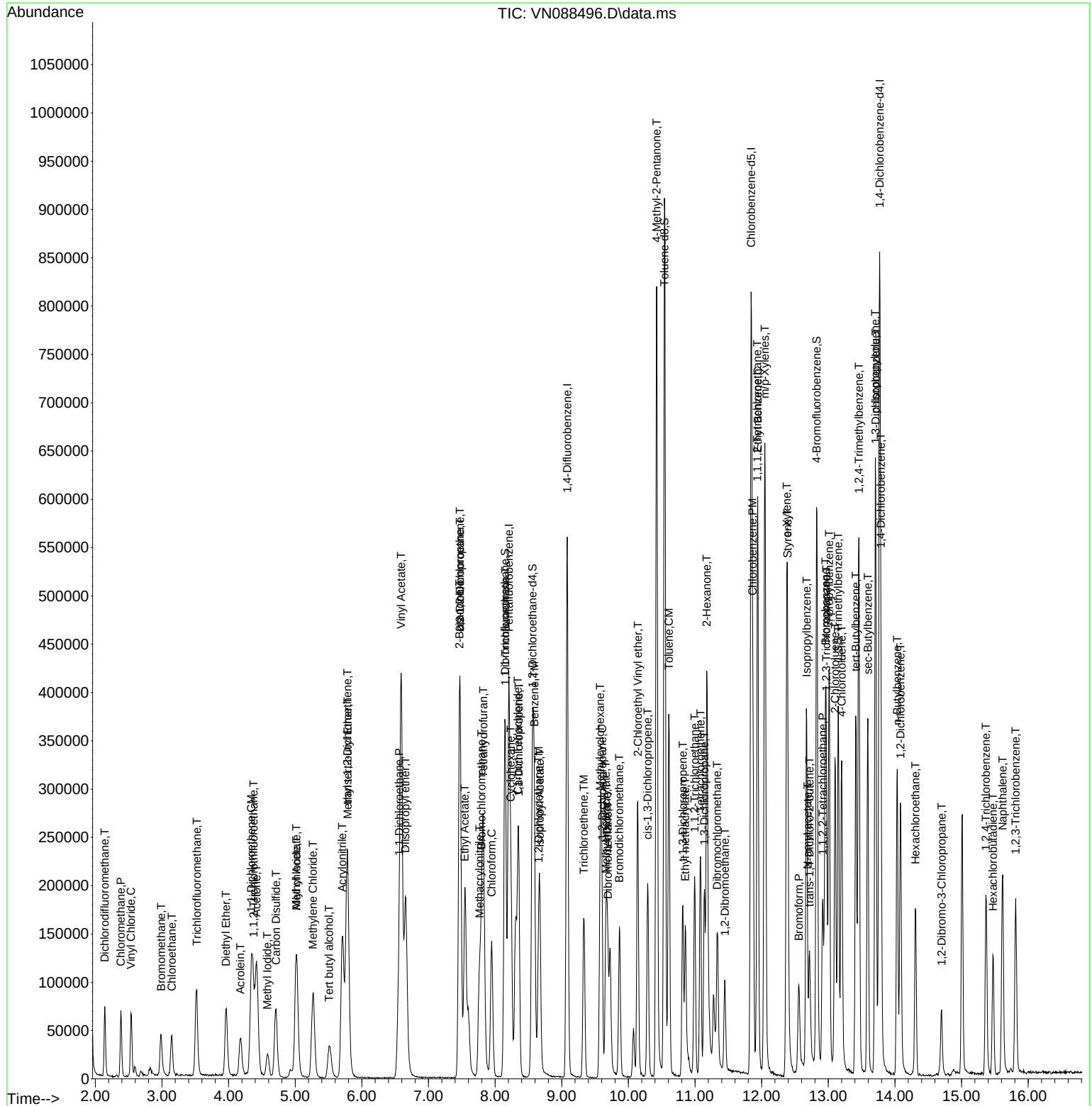
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBSD01

Manual Integrations

Reviewed By :Mahesh Dadoda 12/11/2025
Supervised By :Semsettin Yesilyurt 12/11/2025



Manual Integration Report

Sequence:	VN112425	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN088344.D	1,1-Dichloroethene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	1,4-Dichlorobenzene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	2-Hexanone	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	cis-1,2-Dichloroethene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	Diisopropyl ether	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC005	VN088345.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:00 AM	MMDadoda	11/26/2025 1:51:51 PM	Peak Integrated by Software
VSTDICC005	VN088345.D	Vinyl Acetate	JOHN	11/25/2025 9:36:00 AM	MMDadoda	11/26/2025 1:51:51 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	N-amyl acetate	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	Vinyl Acetate	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICCC050	VN088347.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:10 AM	MMDadoda	11/26/2025 1:51:58 PM	Peak Integrated by Software
VSTDICCC050	VN088347.D	Vinyl Acetate	JOHN	11/25/2025 9:36:10 AM	MMDadoda	11/26/2025 1:51:58 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN112425	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN088348.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC100	VN088348.D	Allyl chloride	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC100	VN088348.D	Vinyl Acetate	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	Allyl chloride	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	Vinyl Acetate	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	N-amyl acetate	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	Vinyl Acetate	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN121025	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088487.D	1,2,3-Trichloropropane	MMDadod a	12/11/2025 10:00:31 AM	sam	12/11/2025 12:32:28 PM	Peak Integrated by Software
VSTDCCC050	VN088487.D	N-amyl acetate	MMDadod a	12/11/2025 10:00:31 AM	sam	12/11/2025 12:32:28 PM	Peak Integrated by Software
VN1210WBS01	VN088491.D	1,2,3-Trichloropropane	MMDadod a	12/11/2025 10:00:38 AM	sam	12/11/2025 12:32:43 PM	Peak Integrated by Software
VN1210WBS01	VN088491.D	N-amyl acetate	MMDadod a	12/11/2025 10:00:38 AM	sam	12/11/2025 12:32:43 PM	Peak Integrated by Software
VN1210WBSD0 1	VN088496.D	1,2,3-Trichloropropane	MMDadod a	12/11/2025 10:00:43 AM	sam	12/11/2025 12:32:38 PM	Peak Integrated by Software
VN1210WBSD0 1	VN088496.D	N-amyl acetate	MMDadod a	12/11/2025 10:00:43 AM	sam	12/11/2025 12:32:38 PM	Peak Integrated by Software
VSTDCCC050	VN088514.D	1,2,3-Trichloropropane	MMDadod a	12/11/2025 10:00:46 AM	sam	12/11/2025 12:32:49 PM	Peak Integrated by Software
VSTDCCC050	VN088514.D	N-amyl acetate	MMDadod a	12/11/2025 10:00:46 AM	sam	12/11/2025 12:32:49 PM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN112425

Review By	John Carlone	Review On	11/25/2025 9:36:43 AM		
Supervise By	Maresh Dadoda	Supervise On	11/26/2025 1:52:19 PM		
SubDirectory	VN112425	HP Acquire Method	MSVOA_N	HP Processing Method	82N112425W.M
STD. NAME		STD REF.#			
Tune/Reschk		VP136378			
Initial Calibration Stds		VP136444,VP136445,VP136446,VP136447,VP136448,VP136449			
CCC					
Internal Standard/PEM					
ICV/I.BLK		VP136450			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088343.D	24 Nov 2025 08:17	JC\MD	Ok
2	VSTDIC001	VN088344.D	24 Nov 2025 12:38	JC\MD	Ok,M
3	VSTDIC005	VN088345.D	24 Nov 2025 13:11	JC\MD	Ok,M
4	VSTDIC020	VN088346.D	24 Nov 2025 13:32	JC\MD	Ok,M
5	VSTDIC050	VN088347.D	24 Nov 2025 13:53	JC\MD	Ok,M
6	VSTDIC100	VN088348.D	24 Nov 2025 14:14	JC\MD	Ok,M
7	VSTDIC150	VN088349.D	24 Nov 2025 14:35	JC\MD	Ok,M
8	IBLK	VN088350.D	24 Nov 2025 14:56	JC\MD	Ok
9	VSTDICV050	VN088351.D	24 Nov 2025 15:18	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QCBatch ID # VN121025

Review By	Mahesh Dadoda	Review On	12/11/2025 11:46:28 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/11/2025 12:33:13 PM
SubDirectory	VN121025	HP Acquire Method	HP Processing Method 82N112425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136601		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136602,VP136603		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088486.D	10 Dec 2025 09:29	JC\MD	Ok
2	VSTDCCC050	VN088487.D	10 Dec 2025 10:01	JC\MD	Ok,M
3	VN1210MBL01	VN088488.D	10 Dec 2025 10:36	JC\MD	Ok
4	VN1210WBL01	VN088489.D	10 Dec 2025 10:57	JC\MD	Ok
5	VN1210MBS01	VN088490.D	10 Dec 2025 11:30	JC\MD	Ok,M
6	VN1210WBS01	VN088491.D	10 Dec 2025 12:03	JC\MD	Ok,M
7	Q3813-01	VN088492.D	10 Dec 2025 12:23	JC\MD	Ok
8	Q3813-03	VN088493.D	10 Dec 2025 12:44	JC\MD	Ok
9	Q3813-04	VN088494.D	10 Dec 2025 13:04	JC\MD	Ok
10	Q3770-01DL	VN088495.D	10 Dec 2025 13:25	JC\MD	Ok
11	VN1210WBSD01	VN088496.D	10 Dec 2025 13:45	JC\MD	Ok,M
12	Q3809-15	VN088497.D	10 Dec 2025 14:06	JC\MD	ReRun
13	Q3814-02	VN088498.D	10 Dec 2025 14:27	JC\MD	Ok
14	Q3814-04	VN088499.D	10 Dec 2025 14:47	JC\MD	Ok
15	Q3814-06	VN088500.D	10 Dec 2025 15:08	JC\MD	Ok
16	Q3814-08	VN088501.D	10 Dec 2025 15:29	JC\MD	Ok
17	Q3814-10	VN088502.D	10 Dec 2025 15:50	JC\MD	Ok
18	Q3814-12	VN088503.D	10 Dec 2025 16:10	JC\MD	Ok
19	Q3814-14	VN088504.D	10 Dec 2025 16:31	JC\MD	Ok
20	Q3814-16	VN088505.D	10 Dec 2025 16:52	JC\MD	Ok
21	Q3815-02	VN088506.D	10 Dec 2025 17:13	JC\MD	Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN121025

Review By	Mahesh Dadoda	Review On	12/11/2025 11:46:28 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/11/2025 12:33:13 PM
SubDirectory	VN121025	HP Acquire Method	HP Processing Method 82N112425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136601		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136602,VP136603		

22	Q3826-02	VN088507.D	10 Dec 2025 17:34	JC\MD	Ok
23	Q3826-04	VN088508.D	10 Dec 2025 17:54	JC\MD	Ok
24	Q3826-06	VN088509.D	10 Dec 2025 18:15	JC\MD	Ok
25	Q3826-08	VN088510.D	10 Dec 2025 18:36	JC\MD	Ok
26	Q3826-10	VN088511.D	10 Dec 2025 18:57	JC\MD	Ok
27	Q3826-12	VN088512.D	10 Dec 2025 19:18	JC\MD	Ok
28	Q3826-14	VN088513.D	10 Dec 2025 19:38	JC\MD	Ok
29	VSTDCCC050	VN088514.D	10 Dec 2025 19:59	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN112425

Review By	John Carlone	Review On	11/25/2025 9:36:43 AM
Supervise By	Maresh Dadoda	Supervise On	11/26/2025 1:52:19 PM
SubDirectory	VN112425	HP Acquire Method	MSVOA_N HP Processing Method 82N112425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136378
Initial Calibration Stds	VP136444,VP136445,VP136446,VP136447,VP136448,VP136449
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136450
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088343.D	24 Nov 2025 08:17		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN088344.D	24 Nov 2025 12:38		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN088345.D	24 Nov 2025 13:11	COM.#74 Peak not detected in 1 and 5 PPB	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN088346.D	24 Nov 2025 13:32		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN088347.D	24 Nov 2025 13:53	Method failed for Comp. #74	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN088348.D	24 Nov 2025 14:14		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN088349.D	24 Nov 2025 14:35		JC\MD	Ok,M
8	IBLK	IBLK	VN088350.D	24 Nov 2025 14:56		JC\MD	Ok
9	VSTDICV050	ICVVN112425	VN088351.D	24 Nov 2025 15:18		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN121025

Review By	Mahesh Dadoda	Review On	12/11/2025 11:46:28 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/11/2025 12:33:13 PM
SubDirectory	VN121025	HP Acquire Method	HP Processing Method 82N112425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136601		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136602,VP136603		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088486.D	10 Dec 2025 09:29		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN088487.D	10 Dec 2025 10:01	CCC failed High For Com.#42	JC\MD	Ok,M
3	VN1210MBL01	VN1210MBL01	VN088488.D	10 Dec 2025 10:36		JC\MD	Ok
4	VN1210WBL01	VN1210WBL01	VN088489.D	10 Dec 2025 10:57		JC\MD	Ok
5	VN1210MBS01	VN1210MBS01	VN088490.D	10 Dec 2025 11:30		JC\MD	Ok,M
6	VN1210WBS01	VN1210WBS01	VN088491.D	10 Dec 2025 12:03		JC\MD	Ok,M
7	Q3813-01	BR-04DR-451-120825	VN088492.D	10 Dec 2025 12:23	vial A pH<2 CCC failed high	JC\MD	Ok
8	Q3813-03	EB01-120825	VN088493.D	10 Dec 2025 12:44	vial A pH<2 EB	JC\MD	Ok
9	Q3813-04	TB01-120825	VN088494.D	10 Dec 2025 13:04	vial A pH<2 TB	JC\MD	Ok
10	Q3770-01DL	4207DL	VN088495.D	10 Dec 2025 13:25		JC\MD	Ok
11	VN1210WBSD01	VN1210WBSD01	VN088496.D	10 Dec 2025 13:45	BSD failed Low for com.#73	JC\MD	Ok,M
12	Q3809-15	TRIP	VN088497.D	10 Dec 2025 14:06	vial A pH<2 TB;BSD Failed Low	JC\MD	ReRun
13	Q3814-02	TP-5	VN088498.D	10 Dec 2025 14:27	vial A pH#5.0	JC\MD	Ok
14	Q3814-04	TP-6	VN088499.D	10 Dec 2025 14:47	vial A pH#5.0	JC\MD	Ok
15	Q3814-06	TP-7	VN088500.D	10 Dec 2025 15:08	vial A pH#5.0	JC\MD	Ok
16	Q3814-08	TP-8	VN088501.D	10 Dec 2025 15:29	vial A pH#5.0	JC\MD	Ok
17	Q3814-10	TP-9	VN088502.D	10 Dec 2025 15:50	vial A pH#5.0	JC\MD	Ok
18	Q3814-12	TP-12	VN088503.D	10 Dec 2025 16:10	vial A pH#5.0	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN121025

Review By	Maresh Dadoda	Review On	12/11/2025 11:46:28 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/11/2025 12:33:13 PM
SubDirectory	VN121025	HP Acquire Method	HP Processing Method 82N112425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136601		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136602,VP136603		

19	Q3814-14	TP-10	VN088504.D	10 Dec 2025 16:31	vial A pH#5.0	JC\MD	Ok
20	Q3814-16	TP-4	VN088505.D	10 Dec 2025 16:52	vial A pH#5.0	JC\MD	Ok
21	Q3815-02	RE	VN088506.D	10 Dec 2025 17:13	vial A pH#5.0	JC\MD	Ok
22	Q3826-02	TP-13	VN088507.D	10 Dec 2025 17:34	vial A pH#5.0	JC\MD	Ok
23	Q3826-04	TP-14	VN088508.D	10 Dec 2025 17:54	vial A pH#5.0	JC\MD	Ok
24	Q3826-06	TP-15	VN088509.D	10 Dec 2025 18:15	vial A pH#5.0	JC\MD	Ok
25	Q3826-08	TP-11	VN088510.D	10 Dec 2025 18:36	vial A pH#5.0	JC\MD	Ok
26	Q3826-10	TP-1	VN088511.D	10 Dec 2025 18:57	vial A pH#5.0	JC\MD	Ok
27	Q3826-12	TP-2	VN088512.D	10 Dec 2025 19:18	vial A pH#5.0 Surrogate fail	JC\MD	Ok
28	Q3826-14	TP-3	VN088513.D	10 Dec 2025 19:38	vial A pH#5.0	JC\MD	Ok
29	VSTDCCC050	VSTDCCC050EC	VN088514.D	10 Dec 2025 19:59		JC\MD	Ok,M

M : Manual Integration

A
B
C
D
E
F
G
H
I
J
K

LAB CHRONICLE

OrderID:	Q3813	OrderDate:	12/8/2025 4:06:00 PM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3813-01	BR-04DR-451-120825	Water	VOCMS Group3	8260-Low	12/08/25		12/10/25	12/08/25
Q3813-02	BR-04DR-451-120825 -SIM	Water	VOC-SIM	SFAM_VOCSI M	12/08/25		12/10/25	12/08/25
Q3813-03	EB01-120825	Water	VOCMS Group3 VOC-SIM	8260-Low SFAM_VOCSI M	12/08/25		12/10/25 12/10/25	12/08/25
Q3813-04	TB01-120825	Water	VOCMS Group3 VOC-SIM	8260-Low SFAM_VOCSI M	12/08/25		12/10/25 12/10/25	12/08/25
Q3813-05	VHBLK001	Water	VOC-SIM	SFAM_VOCSI M	12/08/25		12/10/25	12/08/25

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048862.D
 Acq On : 12 Dec 2025 17:52
 Operator : JC/MD
 Sample : Q3813-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-04DR-451-120825

Quant Time: Dec 12 22:17:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	113879	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.745	114	237003	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	136774	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	93647	61.269	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 122.540%#	
35) Dibromofluoromethane	5.373	113	80851	49.545	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.100%	
50) Toluene-d8	8.634	98	269212	47.064	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 94.120%	
62) 4-Bromofluorobenzene	11.061	95	117573	59.606	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.220%	

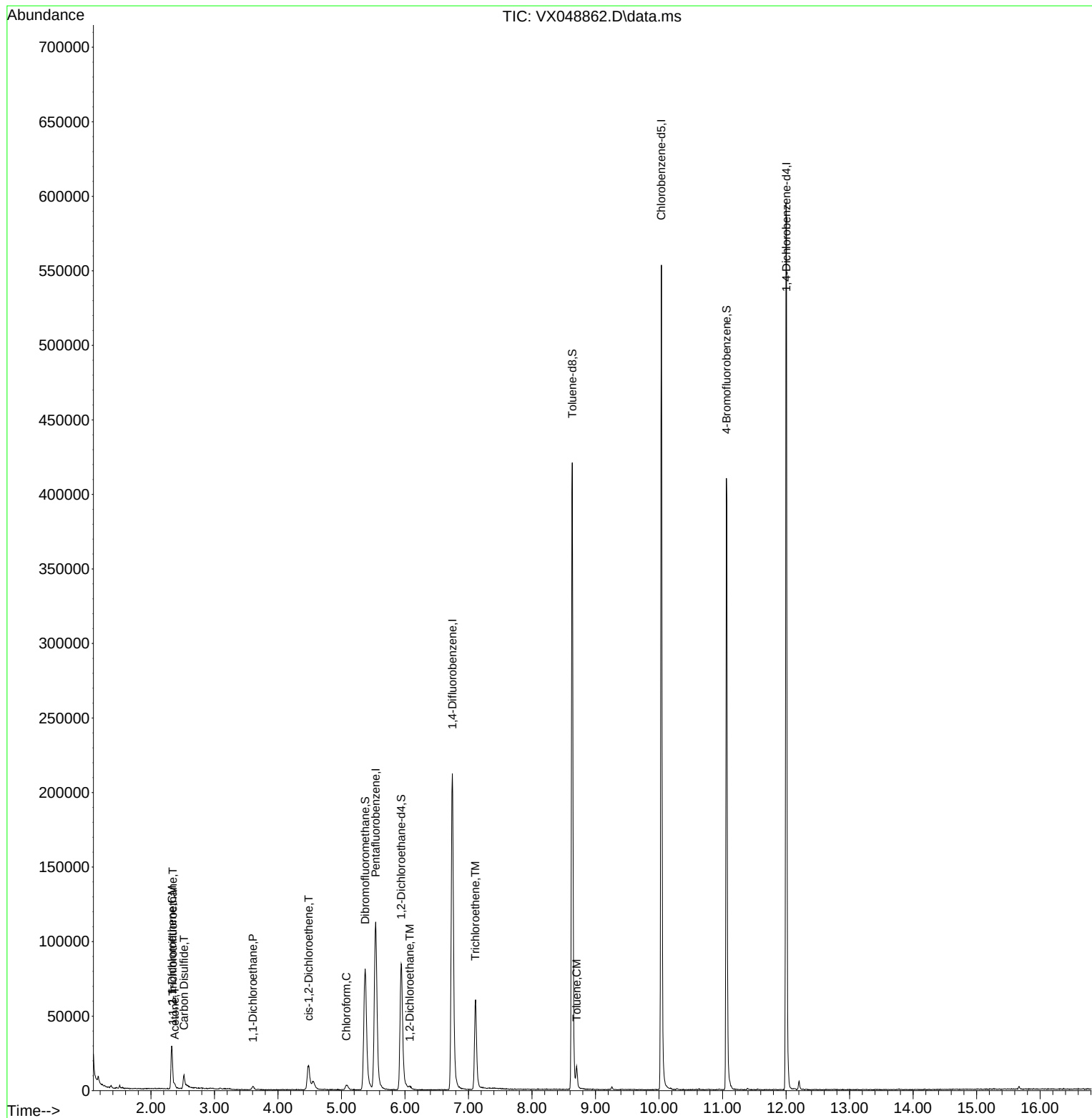
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.343	101	1400	1.081	ug/l	97
12) 1,1-Dichloroethene	2.331	96	10542	7.972	ug/l	86
16) Acetone	2.373	43	2724	4.655	ug/l	92
17) Carbon Disulfide	2.520	76	8089	2.106	ug/l	100
24) 1,1-Dichloroethane	3.605	63	3024	1.307	ug/l #	86
27) cis-1,2-Dichloroethene	4.483	96	12030	7.899	ug/l	95
30) Chloroform	5.074	83	4558	1.838	ug/l	86
42) 1,2-Dichloroethane	6.074	62	2118	0.903	ug/l	80
44) Trichloroethene	7.104	130	25638	14.830	ug/l	99
52) Toluene	8.702	92	5219	1.306	ug/l	97

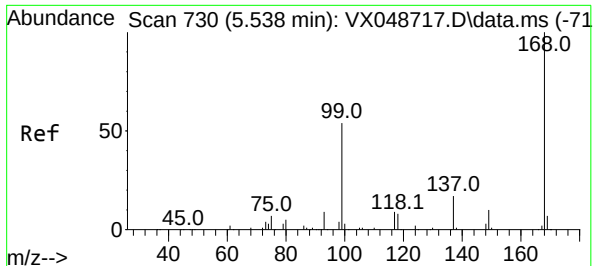
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
Data File : VX048862.D
Acq On : 12 Dec 2025 17:52
Operator : JC/MD
Sample : Q3813-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-120825

Quant Time: Dec 12 22:17:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

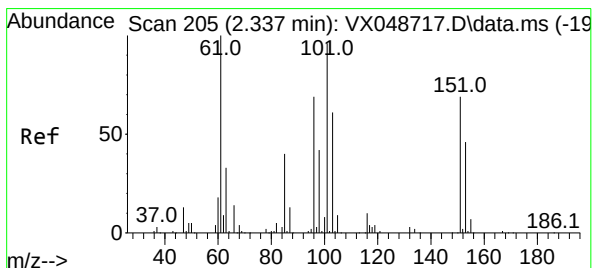
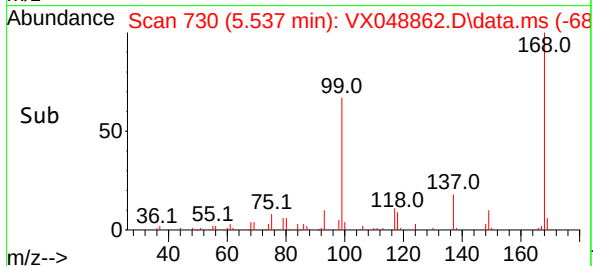
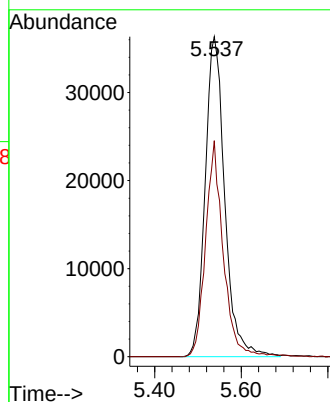
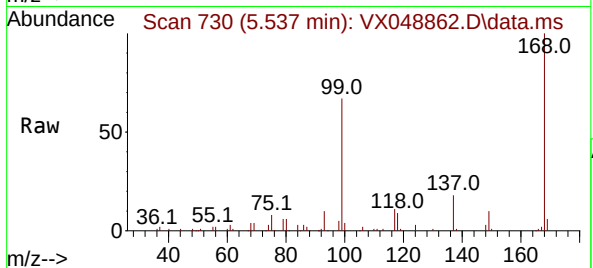




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

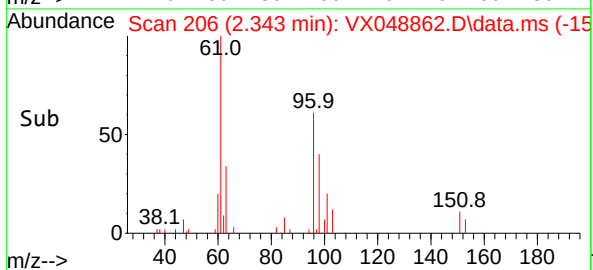
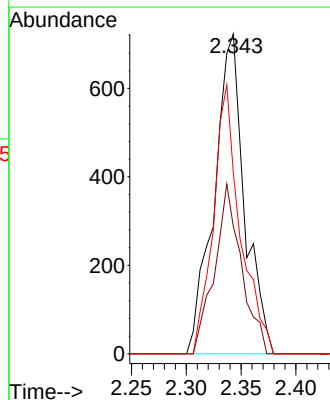
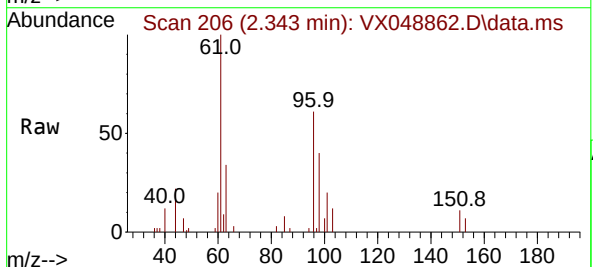
Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-120825

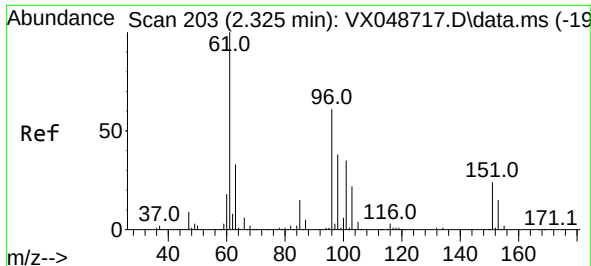
Tgt Ion:168 Resp: 113879
Ion Ratio Lower Upper
168 100
99 67.5 44.2 66.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.081 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Tgt Ion:101 Resp: 1400
Ion Ratio Lower Upper
101 100
85 46.9 34.2 51.2
151 74.1 60.2 90.4





#12

1,1-Dichloroethene

Concen: 7.972 ug/l

RT: 2.331 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX048862.D

Acq: 12 Dec 2025 17:52

Instrument :

MSVOA_X

ClientSampleId :

BR-04DR-451-120825

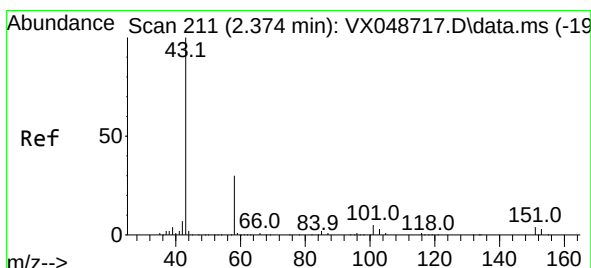
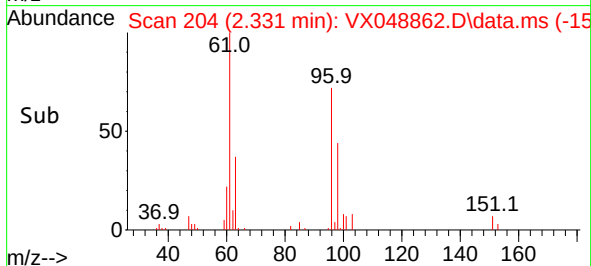
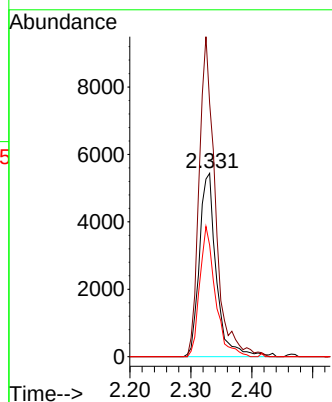
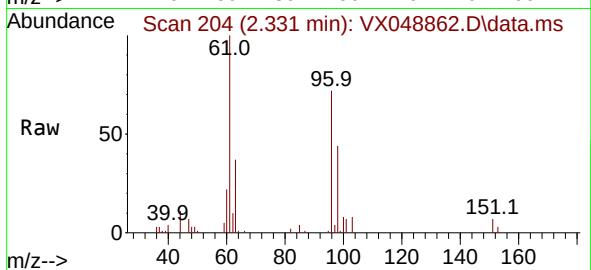
Tgt Ion: 96 Resp: 10542

Ion Ratio Lower Upper

96 100

61 138.1 130.7 196.1

98 60.8 49.8 74.8



#16

Acetone

Concen: 4.655 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048862.D

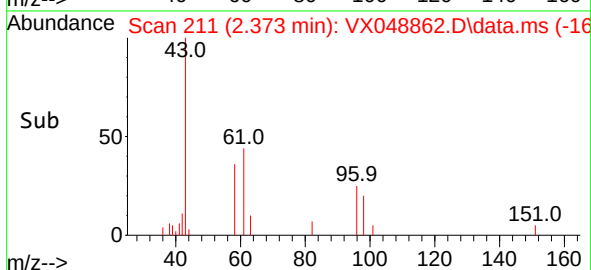
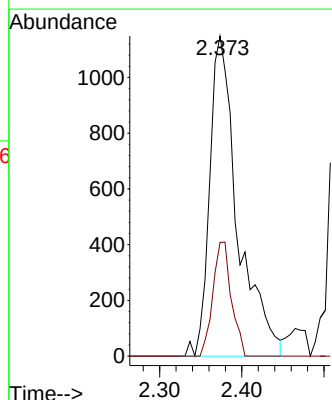
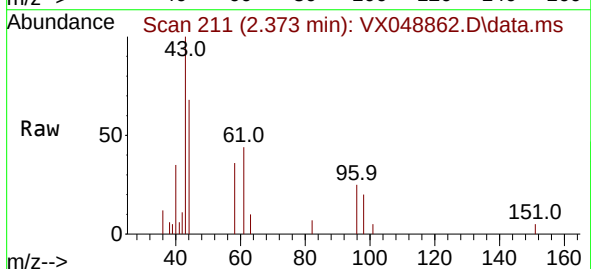
Acq: 12 Dec 2025 17:52

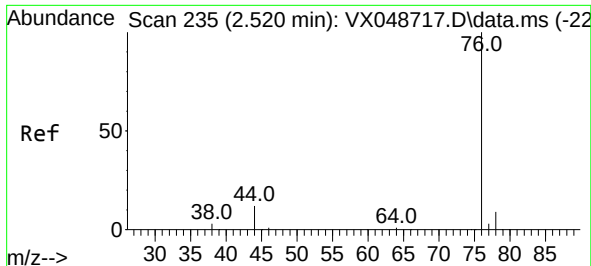
Tgt Ion: 43 Resp: 2724

Ion Ratio Lower Upper

43 100

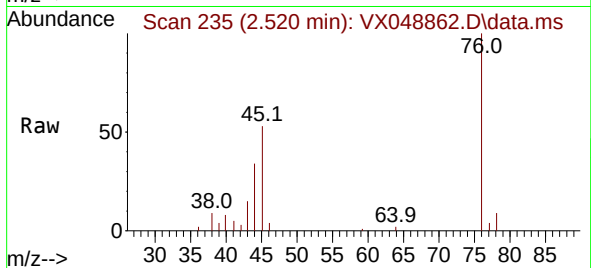
58 35.5 25.0 37.4



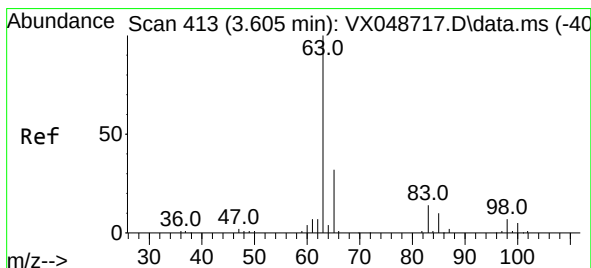
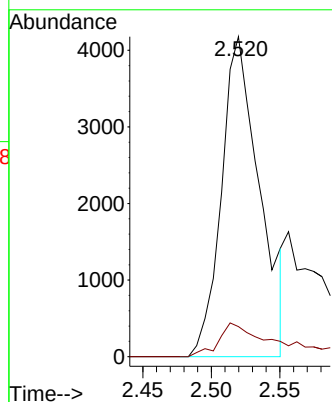
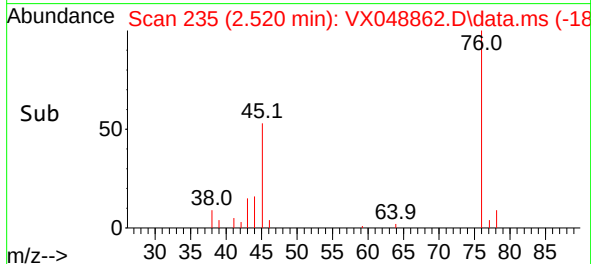


#17
Carbon Disulfide
Concen: 2.106 ug/l
RT: 2.520 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-120825

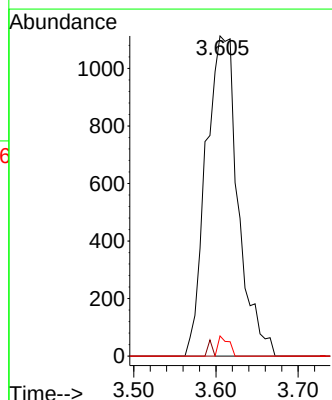
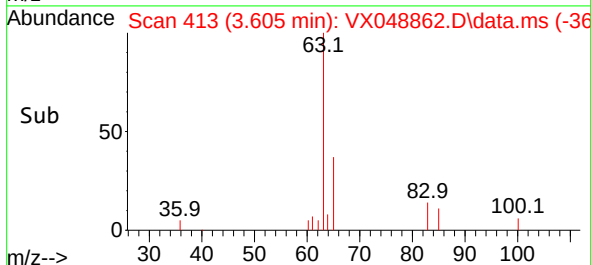
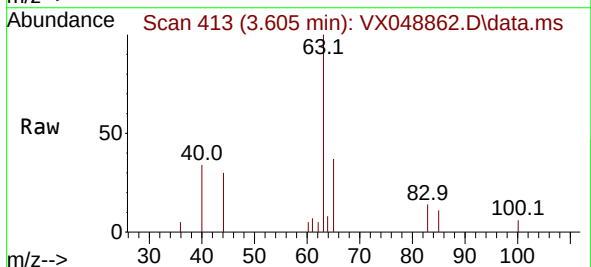


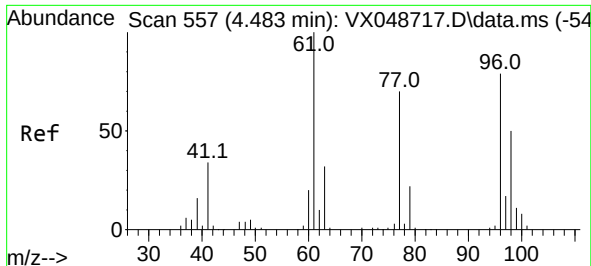
Tgt Ion: 76 Resp: 8089
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#24
1,1-Dichloroethane
Concen: 1.307 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Tgt Ion: 63 Resp: 3024
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.6#
100 6.3 2.5 7.4

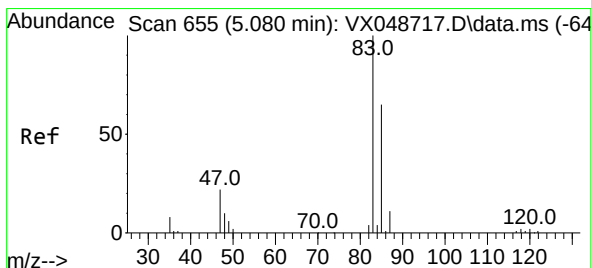
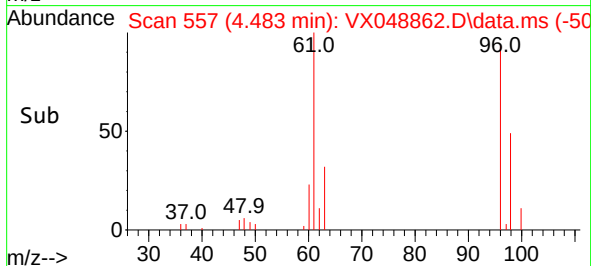
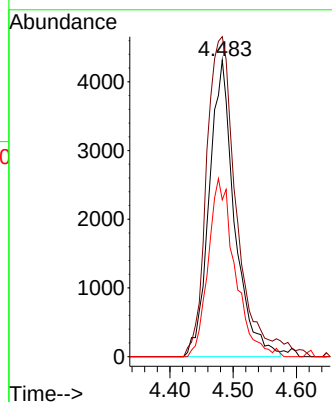
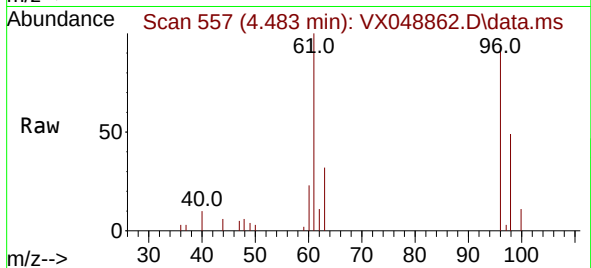




#27
 cis-1,2-Dichloroethene
 Concen: 7.899 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX048862.D
 Acq: 12 Dec 2025 17:52

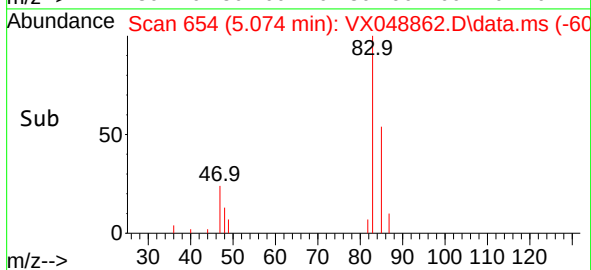
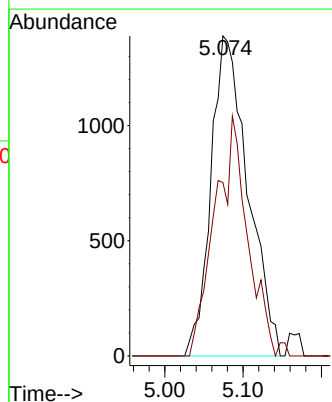
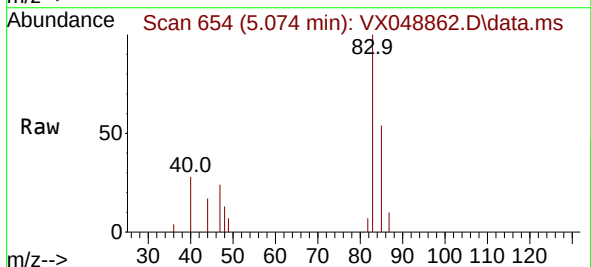
Instrument :
 MSVOA_X
 ClientSampleId :
 BR-04DR-451-120825

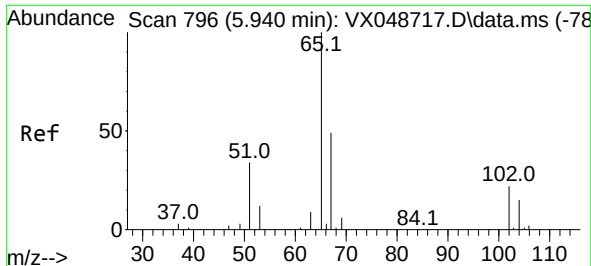
Tgt Ion: 96	Resp: 12030
Ion Ratio	Lower Upper
96 100	
61 128.3	0.0 271.0
98 63.4	0.0 130.2



#30
 Chloroform
 Concen: 1.838 ug/l
 RT: 5.074 min Scan# 654
 Delta R.T. -0.006 min
 Lab File: VX048862.D
 Acq: 12 Dec 2025 17:52

Tgt Ion: 83	Resp: 4558
Ion Ratio	Lower Upper
83 100	
85 54.2	52.1 78.1





#33

1,2-Dichloroethane-d4

Concen: 61.269 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048862.D

Acq: 12 Dec 2025 17:52

Instrument :

MSVOA_X

ClientSampleId :

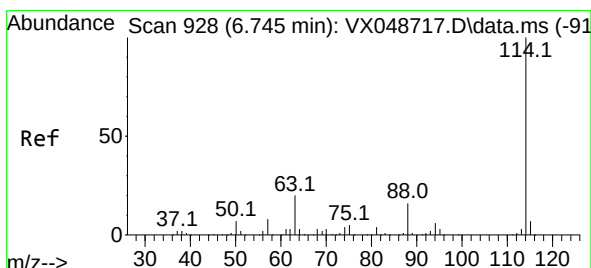
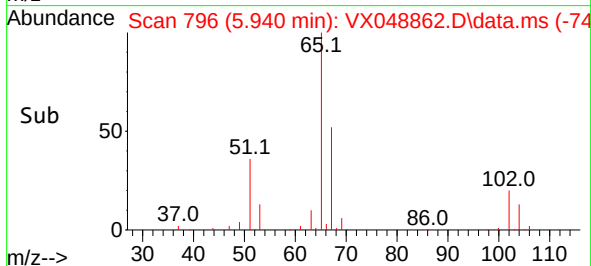
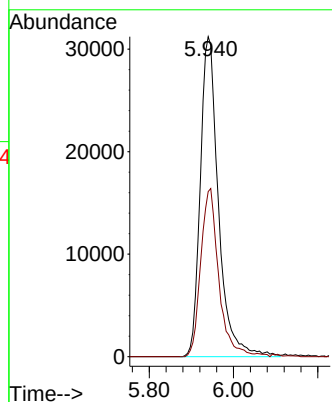
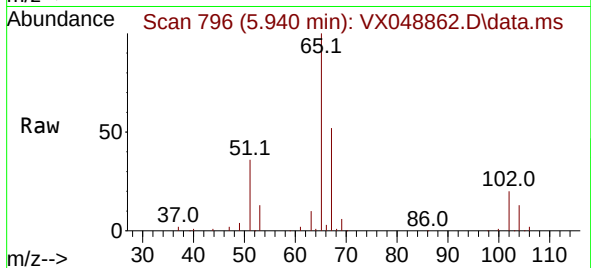
BR-04DR-451-120825

Tgt Ion: 65 Resp: 93647

Ion Ratio Lower Upper

65 100

67 51.9 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048862.D

Acq: 12 Dec 2025 17:52

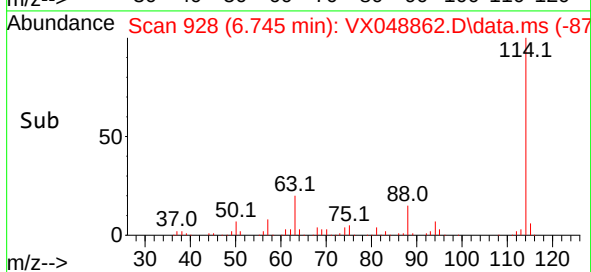
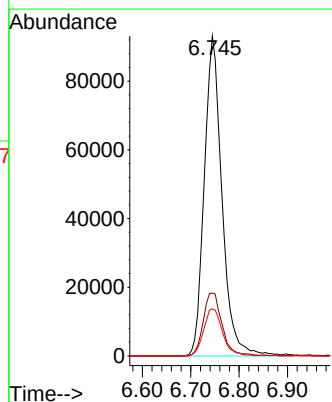
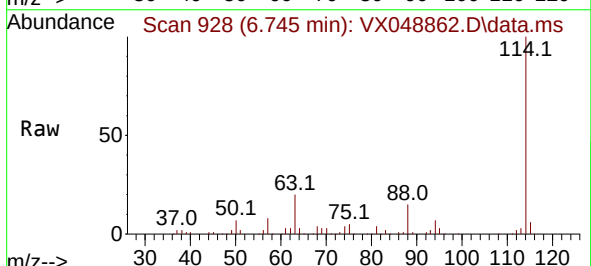
Tgt Ion: 114 Resp: 237003

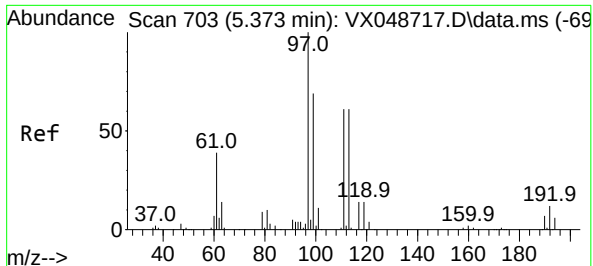
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

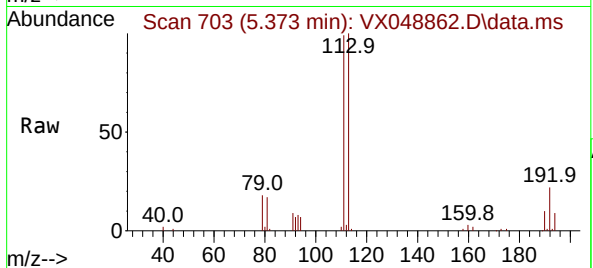
88 14.7 0.0 31.8



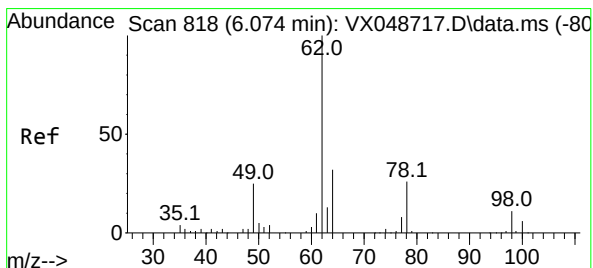
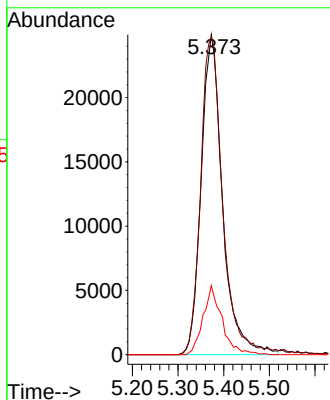
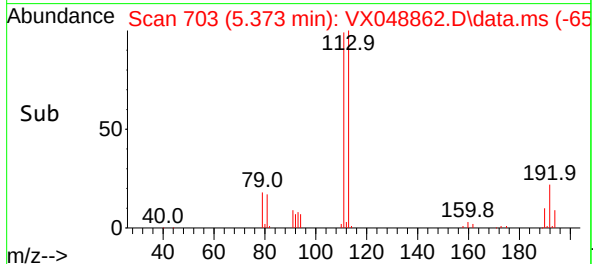


#35
Dibromofluoromethane
Concen: 49.545 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Instrument :
MSVOA_X
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BR-04DR-451-120825

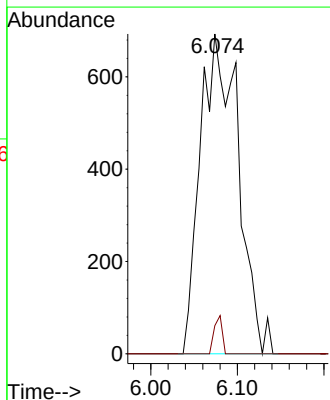
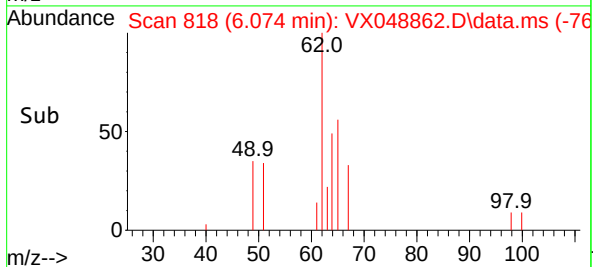
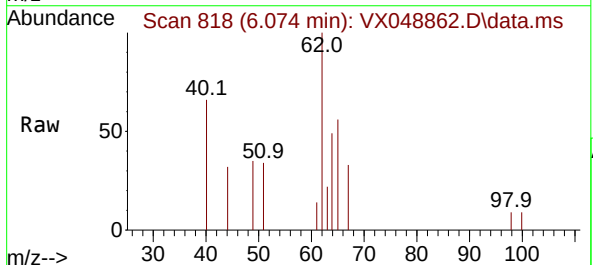


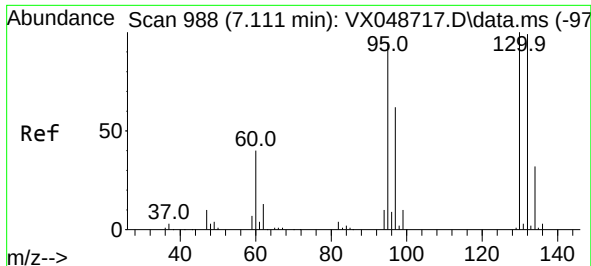
Tgt Ion:113 Resp: 80851
Ion Ratio Lower Upper
113 100
111 103.2 79.5 119.3
192 19.2 16.1 24.1



#42
1,2-Dichloroethane
Concen: 0.903 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Tgt Ion: 62 Resp: 2118
Ion Ratio Lower Upper
62 100
98 2.5 0.0 20.2

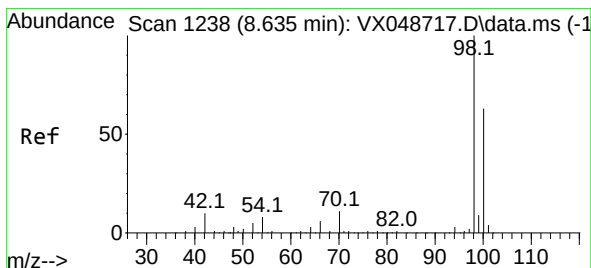
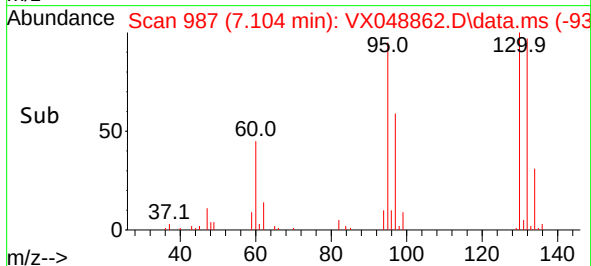
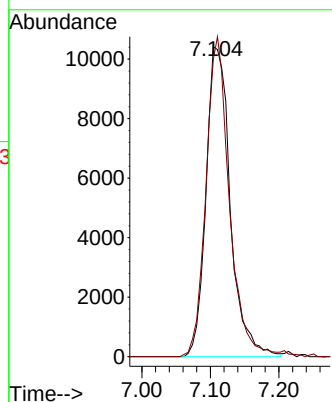
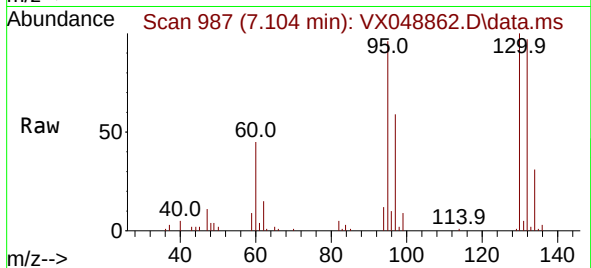




#44
Trichloroethene
Concen: 14.830 ug/l
RT: 7.104 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

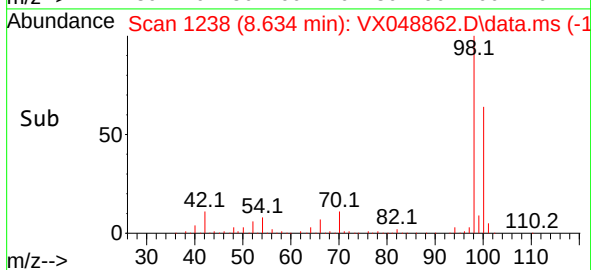
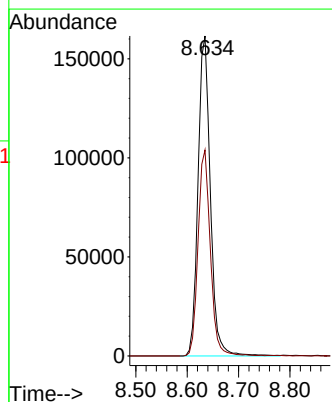
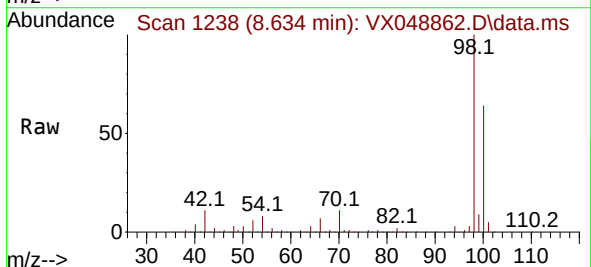
Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-120825

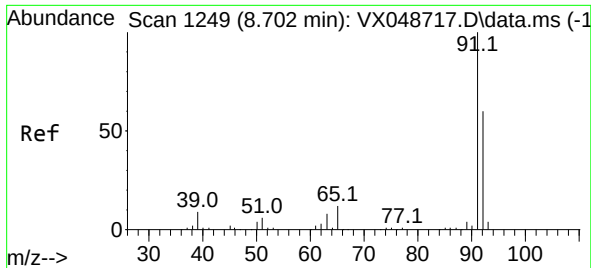
Tgt Ion:130 Resp: 25638
Ion Ratio Lower Upper
130 100
95 95.9 0.0 189.6



#50
Toluene-d8
Concen: 47.064 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Tgt Ion: 98 Resp: 269212
Ion Ratio Lower Upper
98 100
100 64.2 53.4 80.0

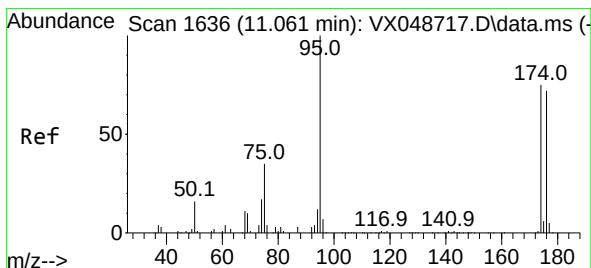
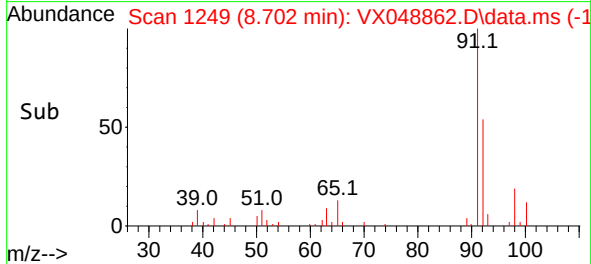
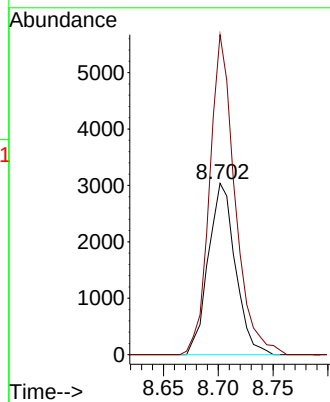
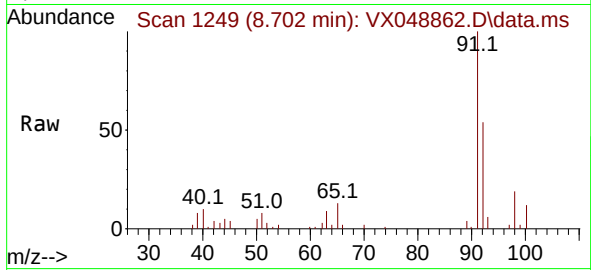




#52
Toluene
Concen: 1.306 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

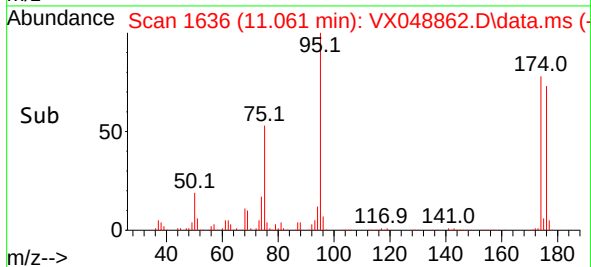
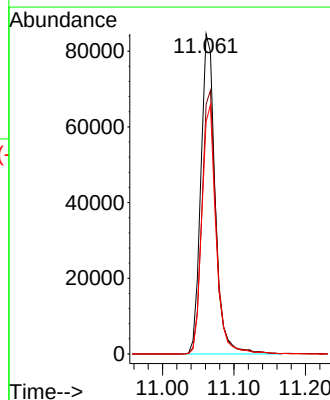
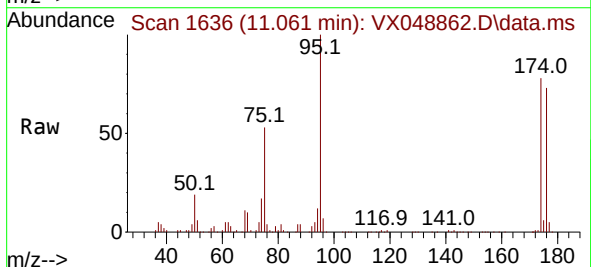
Instrument : MSVOA_X
ClientSampleId : BR-04DR-451-120825

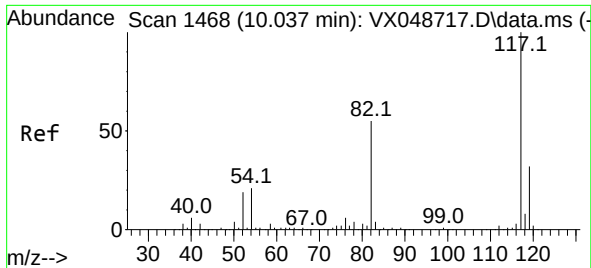
Tgt Ion: 92 Resp: 5219
Ion Ratio Lower Upper
92 100
91 175.1 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 59.606 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Tgt Ion: 95 Resp: 117573
Ion Ratio Lower Upper
95 100
174 82.8 0.0 157.8
176 77.6 0.0 154.0

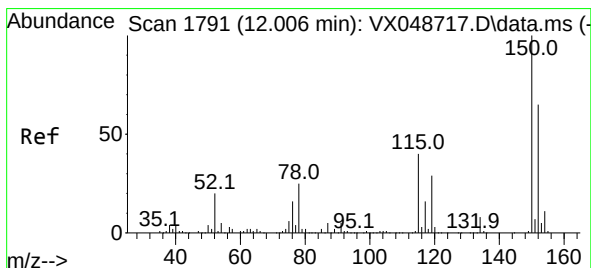
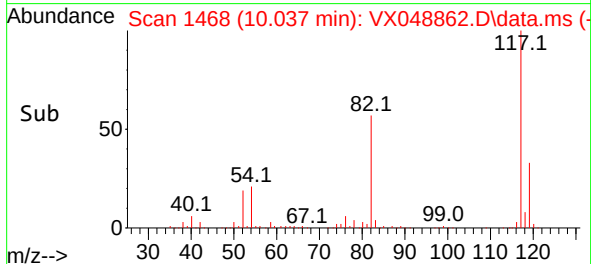
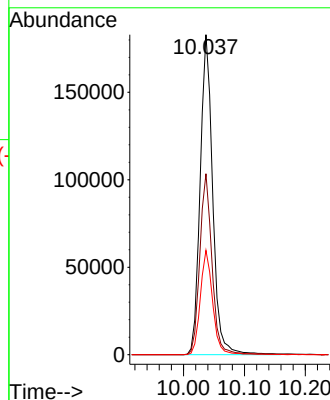
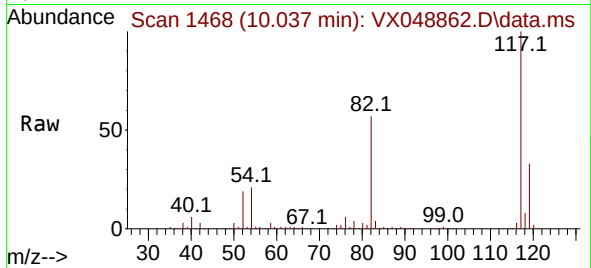




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-120825

Tgt Ion:	117	Resp:	261744
Ion Ratio	Lower	Upper	
117	100		
82	56.5	44.1	66.1
119	32.6	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Tgt Ion:	152	Resp:	136774
Ion Ratio	Lower	Upper	
152	100		
115	58.7	42.1	126.4
150	156.8	0.0	347.8

