



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q3399
Client: ICE Service Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
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Client ID: 0

Total Voc :
Total Concentration:

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- K



SAMPLE DATA

Report of Analysis

Client: ICE Service Group, Inc.
 Project: NWIRP Northrup Grumman Site – Bethpage, NY
 Client Sample ID: COMP-ROLLOFF
 Lab Sample ID: Q3399-04
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/20/25
 Date Received: 10/20/25
 SDG No.: Q3399
 Matrix: TCLP
 % Solid: 0
 Test: TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	5.00	ug/L	10/22/25 15:50	VX102225
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	5.00	ug/L	10/22/25 15:50	VX102225
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	25.0	ug/L	10/22/25 15:50	VX102225
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	5.00	ug/L	10/22/25 15:50	VX102225
67-66-3	Chloroform	0.50	U	1	0.25	0.50	5.00	ug/L	10/22/25 15:50	VX102225
71-43-2	Benzene	0.50	U	1	0.15	0.50	5.00	ug/L	10/22/25 15:50	VX102225
107-06-2	1,2-Dichloroethane	0.75	U	1	0.22	0.75	5.00	ug/L	10/22/25 15:50	VX102225
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	5.00	ug/L	10/22/25 15:50	VX102225
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	5.00	ug/L	10/22/25 15:50	VX102225
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	5.00	ug/L	10/22/25 15:50	VX102225
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	51.0			81 - 118		102%	SPK: 50		
1868-53-7	Dibromofluoromethane	43.7			80 - 119		87%	SPK: 50		
2037-26-5	Toluene-d8	41.4	*		89 - 112		83%	SPK: 50		
460-00-4	4-Bromofluorobenzene	46.2			85 - 114		92%	SPK: 50		
INTERNAL STANDARDS										
		Area Count								
363-72-4	Pentafluorobenzene	156000								
540-36-3	1,4-Difluorobenzene	307000								
3114-55-4	Chlorobenzene-d5	274000								
3855-82-1	1,4-Dichlorobenzene-d4	141000								

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



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Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: COMP-ROLLOFFRE
Lab Sample ID: Q3399-04RE
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3399
Matrix: TCLP
% Solid: 0
Test: TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	0.75	UQ	1	0.26	0.75	5.00	ug/L	10/24/25 11:03	vx102425
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	5.00	ug/L	10/24/25 11:03	vx102425
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	25.0	ug/L	10/24/25 11:03	vx102425
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	5.00	ug/L	10/24/25 11:03	vx102425
67-66-3	Chloroform	0.50	U	1	0.25	0.50	5.00	ug/L	10/24/25 11:03	vx102425
71-43-2	Benzene	0.50	U	1	0.15	0.50	5.00	ug/L	10/24/25 11:03	vx102425
107-06-2	1,2-Dichloroethane	0.75	U	1	0.22	0.75	5.00	ug/L	10/24/25 11:03	vx102425
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	5.00	ug/L	10/24/25 11:03	vx102425
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	5.00	ug/L	10/24/25 11:03	vx102425
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	5.00	ug/L	10/24/25 11:03	vx102425
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	54.5			81 - 118		109%	SPK: 50		
1868-53-7	Dibromofluoromethane	39.9			80 - 119		80%	SPK: 50		
2037-26-5	Toluene-d8	47.1			89 - 112		94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.4			85 - 114		101%	SPK: 50		
INTERNAL STANDARDS										
		Area Count								
363-72-4	Pentafluorobenzene	137000								
540-36-3	1,4-Difluorobenzene	271000								
3114-55-4	Chlorobenzene-d5	270000								
3855-82-1	1,4-Dichlorobenzene-d4	124000								

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q3399

Client: ICE Service Group, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3399-04	COMP-ROLLOFF	1,2-Dichloroethane-d4	50	51.0	102		81	118
		Dibromofluoromethane	50	43.7	87		80	119
		Toluene-d8	50	41.4	83	*	89	112
		4-Bromofluorobenzene	50	46.2	92		85	114
Q3399-04RE	COMP-ROLLOFFRE	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	39.9	80		80	119
		Toluene-d8	50	47.1	94		89	112
		4-Bromofluorobenzene	50	50.4	101		85	114

Surrogate Summary

SDG No.: Q3399

Client: ICE Service Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VX1022WBL01	VX1022WBL01	1,2-Dichloroethane-d4	50	50.7	101		81	118
		Dibromofluoromethane	50	49.1	98		80	119
		Toluene-d8	50	47.7	95		89	112
		4-Bromofluorobenzene	50	54.5	109		85	114
VX1022WBS01	VX1022WBS01	1,2-Dichloroethane-d4	50	50.2	100		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	50.7	101		89	112
		4-Bromofluorobenzene	50	52.4	105		85	114
VX1022WBSD0	VX1022WBSD01	1,2-Dichloroethane-d4	50	49.3	99		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	49.2	98		89	112
		4-Bromofluorobenzene	50	49.4	99		85	114
VX1024WBL01	VX1024WBL01	1,2-Dichloroethane-d4	50	52.2	104		81	118
		Dibromofluoromethane	50	39.0	78	*	80	119
		Toluene-d8	50	43.1	86	*	89	112
		4-Bromofluorobenzene	50	42.7	85		85	114
VX1024WBS01	VX1024WBS01	1,2-Dichloroethane-d4	50	51.3	103		81	118
		Dibromofluoromethane	50	41.6	83		80	119
		Toluene-d8	50	49.6	99		89	112
		4-Bromofluorobenzene	50	48.3	97		85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3399</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>ICE Service Group, Inc.</u>	Datafile :	<u>VX048283.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1022WBS01	Vinyl chloride	20	16.4	ug/L	82			58	137	
	1,1-Dichloroethene	20	18.3	ug/L	92			71	131	
	2-Butanone	100	88.7	ug/L	89			56	143	
	Carbon Tetrachloride	20	18.9	ug/L	95			72	136	
	Chloroform	20	19.4	ug/L	97			79	124	
	Benzene	20	18.9	ug/L	95			79	120	
	1,2-Dichloroethane	20	20.4	ug/L	102			73	128	
	Trichloroethene	20	19.3	ug/L	97			79	123	
	Tetrachloroethene	20	17.9	ug/L	90			74	129	
	Chlorobenzene	20	19.3	ug/L	97			82	118	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3399</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>ICE Service Group, Inc.</u>	Datafile :	<u>VX048284.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX1022WBSD01	Vinyl chloride	20	17.8	ug/L	89	8		58	137	20
	1,1-Dichloroethene	20	17.0	ug/L	85	8		71	131	20
	2-Butanone	100	88.8	ug/L	89	0		56	143	20
	Carbon Tetrachloride	20	18.3	ug/L	92	3		72	136	20
	Chloroform	20	19.2	ug/L	96	1		79	124	20
	Benzene	20	18.6	ug/L	93	2		79	120	20
	1,2-Dichloroethane	20	19.6	ug/L	98	4		73	128	20
	Trichloroethene	20	18.8	ug/L	94	3		79	123	20
	Tetrachloroethene	20	18.3	ug/L	92	2		74	129	20
	Chlorobenzene	20	19.1	ug/L	96	1		82	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3399</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>ICE Service Group, Inc.</u>	Datafile :	<u>VX048341.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1024WBS01	Vinyl chloride	20	27.8	ug/L	139		*	58	137	
	1,1-Dichloroethene	20	20.7	ug/L	104			71	131	
	2-Butanone	100	84.6	ug/L	85			56	143	
	Carbon Tetrachloride	20	18.5	ug/L	93			72	136	
	Chloroform	20	20.8	ug/L	104			79	124	
	Benzene	20	20.2	ug/L	101			79	120	
	1,2-Dichloroethane	20	21.0	ug/L	105			73	128	
	Trichloroethene	20	19.2	ug/L	96			79	123	
	Tetrachloroethene	20	20.9	ug/L	104			74	129	
	Chlorobenzene	20	19.8	ug/L	99			82	118	

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1022WBL01

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab File ID: VX048282.D

Lab Sample ID: VX1022WBL01

Date Analyzed: 10/22/2025

Time Analyzed: 09:26

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1022WBS01	VX1022WBS01	VX048283.D	10/22/2025
VX1022WBSD01	VX1022WBSD01	VX048284.D	10/22/2025
COMP-ROLLOFF	Q3399-04	VX048300.D	10/22/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1024WBL01

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab File ID: VX048340.D

Lab Sample ID: VX1024WBL01

Date Analyzed: 10/24/2025

Time Analyzed: 09:48

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1024WBS01	VX1024WBS01	VX048341.D	10/24/2025
COMP-ROLLOFFRE	Q3399-04RE	VX048343.D	10/24/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab File ID: VX048226.D

BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:15

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	50.7
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	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	76.5
175	5.0 - 9.0% of mass 174	5.8 (7.5) 1
176	95.0 - 101.0% of mass 174	73.8 (96.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX048229.D	10/20/2025	10:59
VSTDIC020	VSTDIC020	VX048231.D	10/20/2025	11:40
VSTDIC050	VSTDIC050	VX048232.D	10/20/2025	12:01
VSTDIC100	VSTDIC100	VX048233.D	10/20/2025	12:22
VSTDIC150	VSTDIC150	VX048234.D	10/20/2025	12:43
VSTDIC005	VSTDIC005	VX048236.D	10/20/2025	13:49

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX048279.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: ICES02
SDG NO.: Q3399
BFB Injection Date: 10/22/2025
BFB Injection Time: 08:07
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 60.0% of mass 95	53.3
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	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	77.5
175	5.0 - 9.0% of mass 174	6.4 (8.3) 1
176	95.0 - 101.0% of mass 174	73.9 (95.4) 1
177	5.0 - 9.0% of mass 176	4.7 (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
VSTDCCC050	VSTDCCC050	VX048280.D	10/22/2025	08:37
VX1022WBL01	VX1022WBL01	VX048282.D	10/22/2025	09:26
VX1022WBS01	VX1022WBS01	VX048283.D	10/22/2025	09:53
VX1022WBSD01	VX1022WBSD01	VX048284.D	10/22/2025	10:18
COMP-ROLLOFF	Q3399-04	VX048300.D	10/22/2025	15:50
VSTDCCC050EC	VSTDCCC050	VX048308.D	10/22/2025	18:36

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab File ID: VX048338.D

BFB Injection Date: 10/24/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:19

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 60.0% of mass 95	54.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.8
175	5.0 - 9.0% of mass 174	5.6 (7.8) 1
176	95.0 - 101.0% of mass 174	71.6 (98.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 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	VX048339.D	10/24/2025	09:16
VX1024WBL01	VX1024WBL01	VX048340.D	10/24/2025	09:48
VX1024WBS01	VX1024WBS01	VX048341.D	10/24/2025	10:15
COMP-ROLLOFFRE	Q3399-04RE	VX048343.D	10/24/2025	11:03
VSTDCCC050EC	VSTDCCC050	VX048353.D	10/24/2025	15:49

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ICES02
Lab Code: ACE SDG NO.: Q3399
Lab File ID: VX048280.D Date Analyzed: 10/22/2025
Instrument ID: MSVOA_X Time Analyzed: 08:37
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	112883	5.53	171616	6.74	151325	10.04
UPPER LIMIT	225766	6.031	343232	7.239	302650	10.537
LOWER LIMIT	56441.5	5.031	85808	6.239	75662.5	9.537
EPA SAMPLE NO.						
COMP-ROLLOFF	155579	5.54	306649	6.75	274083	10.04
VX1022WBL01	97887	5.54	185129	6.75	199062	10.04
VX1022WBS01	115938	5.54	185153	6.75	172449	10.04
VX1022WBSD01	120104	5.53	195961	6.75	180624	10.04

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>ICES02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3399</u>
Lab File ID:	<u>VX048280.D</u>	Date Analyzed:	<u>10/22/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>08:37</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	76595	12				
UPPER LIMIT	153190	12.5				
LOWER LIMIT	38297.5	11.5				
EPA SAMPLE NO.						
COMP-ROLLOFF	141254	12.01				
VX1022WBL01	99844	12.01				
VX1022WBS01	91086	12.01				
VX1022WBSD01	92297	12.01				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ICES02
Lab Code: ACE SDG NO.: Q3399
Lab File ID: VX048339.D Date Analyzed: 10/24/2025
Instrument ID: MSVOA_X Time Analyzed: 09:16
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	125053	5.53	210685	6.74	187763	10.04
UPPER LIMIT	250106	6.031	421370	7.239	375526	10.537
LOWER LIMIT	62526.5	5.031	105343	6.239	93881.5	9.537
EPA SAMPLE NO.						
COMP-ROLLOFFRE	137283	5.54	270507	6.75	270324	10.04
VX1024WBL01	90540	5.53	176490	6.74	165587	10.04
VX1024WBS01	145979	5.53	238661	6.74	208902	10.04

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>ICES02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3399</u>
Lab File ID:	<u>VX048339.D</u>	Date Analyzed:	<u>10/24/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>09:16</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	93479	12.00€				
UPPER LIMIT	186958	12.50€				
LOWER LIMIT	46739.5	11.50€				
EPA SAMPLE NO.						
COMP-ROLLOFFRE	123520	12.01				
VX1024WBL01	72164	12.01				
VX1024WBS01	103563	12.01				

IS4 = 1,4-Dichlorobenzene-d4

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

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



QC SAMPLE DATA

Report of Analysis

Client: ICE Service Group, Inc.
 Project: NWIRP Northrup Grumman Site – Bethpage, NY
 Client Sample ID: VX1022WBL01
 Lab Sample ID: VX1022WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3399
 Matrix: TCLP
 % Solid: 0
 Test: TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/22/25 09:26	VX102225
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/22/25 09:26	VX102225
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/22/25 09:26	VX102225
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/22/25 09:26	VX102225
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/22/25 09:26	VX102225
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/22/25 09:26	VX102225
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/22/25 09:26	VX102225
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/22/25 09:26	VX102225
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/22/25 09:26	VX102225
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/22/25 09:26	VX102225
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	50.7			81 - 118		101%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.1			80 - 119		98%	SPK: 50		
2037-26-5	Toluene-d8	47.7			89 - 112		95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.5			85 - 114		109%	SPK: 50		
INTERNAL STANDARDS										
		Area Count								
363-72-4	Pentafluorobenzene	97900								
540-36-3	1,4-Difluorobenzene	185000								
3114-55-4	Chlorobenzene-d5	199000								
3855-82-1	1,4-Dichlorobenzene-d4	99800								

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



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

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: VX1024WBL01
Lab Sample ID: VX1024WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3399
Matrix: TCLP
% Solid: 0
Test: TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/24/25 09:48	VX102425
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/24/25 09:48	VX102425
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/24/25 09:48	VX102425
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/24/25 09:48	VX102425
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/24/25 09:48	VX102425
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/24/25 09:48	VX102425
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/24/25 09:48	VX102425
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/24/25 09:48	VX102425
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/24/25 09:48	VX102425
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/24/25 09:48	VX102425
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	52.2			81 - 118		104%	SPK: 50		
1868-53-7	Dibromofluoromethane	39.0	*		80 - 119		78%	SPK: 50		
2037-26-5	Toluene-d8	43.1	*		89 - 112		86%	SPK: 50		
460-00-4	4-Bromofluorobenzene	42.7			85 - 114		85%	SPK: 50		
INTERNAL STANDARDS										
		Area Count								
363-72-4	Pentafluorobenzene	90500								
540-36-3	1,4-Difluorobenzene	176000								
3114-55-4	Chlorobenzene-d5	166000								
3855-82-1	1,4-Dichlorobenzene-d4	72200								

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: ICE Service Group, Inc.
 Project: NWIRP Northrup Grumman Site – Bethpage, NY
 Client Sample ID: VX1022WBS01
 Lab Sample ID: VX1022WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3399
 Matrix: TCLP
 % Solid: 0
 Test: TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	16.4		1	0.26	0.75	1.00	ug/L	10/22/25 09:53	VX102225
75-35-4	1,1-Dichloroethene	18.3		1	0.23	0.75	1.00	ug/L	10/22/25 09:53	VX102225
78-93-3	2-Butanone	88.7		1	0.98	2.50	5.00	ug/L	10/22/25 09:53	VX102225
56-23-5	Carbon Tetrachloride	18.9		1	0.25	0.50	1.00	ug/L	10/22/25 09:53	VX102225
67-66-3	Chloroform	19.4		1	0.25	0.50	1.00	ug/L	10/22/25 09:53	VX102225
71-43-2	Benzene	18.9		1	0.15	0.50	1.00	ug/L	10/22/25 09:53	VX102225
107-06-2	1,2-Dichloroethane	20.4		1	0.22	0.50	1.00	ug/L	10/22/25 09:53	VX102225
79-01-6	Trichloroethene	19.3		1	0.090	0.75	1.00	ug/L	10/22/25 09:53	VX102225
127-18-4	Tetrachloroethene	17.9		1	0.23	0.50	1.00	ug/L	10/22/25 09:53	VX102225
108-90-7	Chlorobenzene	19.3		1	0.12	0.50	1.00	ug/L	10/22/25 09:53	VX102225
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	50.2			81 - 118		100%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.9			80 - 119		102%	SPK: 50		
2037-26-5	Toluene-d8	50.7			89 - 112		101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.4			85 - 114		105%	SPK: 50		
INTERNAL STANDARDS										
		Area Count								
363-72-4	Pentafluorobenzene	116000								
540-36-3	1,4-Difluorobenzene	185000								
3114-55-4	Chlorobenzene-d5	172000								
3855-82-1	1,4-Dichlorobenzene-d4	91100								

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: ICE Service Group, Inc.
 Project: NWIRP Northrup Grumman Site – Bethpage, NY
 Client Sample ID: VX1024WBS01
 Lab Sample ID: VX1024WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3399
 Matrix: TCLP
 % Solid: 0
 Test: TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	27.8		1	0.26	0.75	1.00	ug/L	10/24/25 10:15	VX102425
75-35-4	1,1-Dichloroethene	20.7		1	0.23	0.75	1.00	ug/L	10/24/25 10:15	VX102425
78-93-3	2-Butanone	84.6		1	0.98	2.50	5.00	ug/L	10/24/25 10:15	VX102425
56-23-5	Carbon Tetrachloride	18.5		1	0.25	0.50	1.00	ug/L	10/24/25 10:15	VX102425
67-66-3	Chloroform	20.8		1	0.25	0.50	1.00	ug/L	10/24/25 10:15	VX102425
71-43-2	Benzene	20.2		1	0.15	0.50	1.00	ug/L	10/24/25 10:15	VX102425
107-06-2	1,2-Dichloroethane	21.0		1	0.22	0.50	1.00	ug/L	10/24/25 10:15	VX102425
79-01-6	Trichloroethene	19.2		1	0.090	0.75	1.00	ug/L	10/24/25 10:15	VX102425
127-18-4	Tetrachloroethene	20.9		1	0.23	0.50	1.00	ug/L	10/24/25 10:15	VX102425
108-90-7	Chlorobenzene	19.8		1	0.12	0.50	1.00	ug/L	10/24/25 10:15	VX102425
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	51.3			81 - 118		103%	SPK: 50		
1868-53-7	Dibromofluoromethane	41.6			80 - 119		83%	SPK: 50		
2037-26-5	Toluene-d8	49.6			89 - 112		99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.3			85 - 114		97%	SPK: 50		
INTERNAL STANDARDS										
		Area Count								
363-72-4	Pentafluorobenzene	146000								
540-36-3	1,4-Difluorobenzene	239000								
3114-55-4	Chlorobenzene-d5	209000								
3855-82-1	1,4-Dichlorobenzene-d4	104000								

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



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

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: VX1022WBSD01
Lab Sample ID: VX1022WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3399
Matrix: TCLP
% Solid: 0
Test: TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	17.8		1	0.26	0.75	1.00	ug/L	10/22/25 10:18	VX102225
75-35-4	1,1-Dichloroethene	17.0		1	0.23	0.75	1.00	ug/L	10/22/25 10:18	VX102225
78-93-3	2-Butanone	88.8		1	0.98	2.50	5.00	ug/L	10/22/25 10:18	VX102225
56-23-5	Carbon Tetrachloride	18.3		1	0.25	0.50	1.00	ug/L	10/22/25 10:18	VX102225
67-66-3	Chloroform	19.2		1	0.25	0.50	1.00	ug/L	10/22/25 10:18	VX102225
71-43-2	Benzene	18.6		1	0.15	0.50	1.00	ug/L	10/22/25 10:18	VX102225
107-06-2	1,2-Dichloroethane	19.6		1	0.22	0.50	1.00	ug/L	10/22/25 10:18	VX102225
79-01-6	Trichloroethene	18.8		1	0.090	0.75	1.00	ug/L	10/22/25 10:18	VX102225
127-18-4	Tetrachloroethene	18.3		1	0.23	0.50	1.00	ug/L	10/22/25 10:18	VX102225
108-90-7	Chlorobenzene	19.1		1	0.12	0.50	1.00	ug/L	10/22/25 10:18	VX102225
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	49.3			81 - 118		99%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.3			80 - 119		99%	SPK: 50		
2037-26-5	Toluene-d8	49.2			89 - 112		98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.4			85 - 114		99%	SPK: 50		
INTERNAL STANDARDS										
		Area Count								
363-72-4	Pentafluorobenzene	120000								
540-36-3	1,4-Difluorobenzene	196000								
3114-55-4	Chlorobenzene-d5	181000								
3855-82-1	1,4-Dichlorobenzene-d4	92300								

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>ICES02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3399</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>10/20/2025</u> <u>10/20/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>10:59</u> <u>13:49</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF001 = VX048229.D		RRF020 = VX048231.D		RRF050 = VX048232.D		
		RRF100 = VX048233.D		RRF150 = VX048234.D		RRF005 = VX048236.D		
COMPOUND	RRF001	RRF020	RRF050	RRF100	RRF150	RRF005	RRF	% RSD
Vinyl Chloride	0.447	0.437	0.416	0.462	0.445	0.458	0.444	3.7
1,1-Dichloroethene	0.515	0.548	0.485	0.558	0.531	0.514	0.525	5
2-Butanone	0.311	0.329	0.281	0.301	0.290	0.315	0.304	5.7
Carbon Tetrachloride	0.650	0.594	0.553	0.604	0.567	0.622	0.599	5.9
Chloroform	1.147	1.208	1.046	1.127	1.067	1.143	1.123	5.2
Benzene	1.493	1.480	1.301	1.426	1.347	1.405	1.409	5.3
1,2-Dichloroethane	0.529	0.566	0.500	0.528	0.496	0.499	0.520	5.2
Trichloroethene	0.400	0.373	0.348	0.380	0.363	0.366	0.372	4.7
Tetrachloroethene	0.418	0.378	0.328	0.370	0.361	0.385	0.373	7.9
Chlorobenzene	1.149	1.159	1.045	1.148	1.102	1.145	1.125	3.9
1,2-Dichloroethane-d4		0.709	0.682	0.690	0.698	0.725	0.701	2.4
Dibromofluoromethane		0.345	0.330	0.346	0.348	0.338	0.341	2.2
Toluene-d8		1.185	1.185	1.196	1.195	1.221	1.196	1.2
4-Bromofluorobenzene		0.445	0.444	0.446	0.441	0.500	0.455	5.5

* 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>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3399</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/22/2025 08:37</u>
Lab File ID:	<u>VX048280.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.444	0.420		-5.41	20
1,1-Dichloroethene	0.525	0.556		5.91	20
2-Butanone	0.304	0.297		-2.3	20
Carbon Tetrachloride	0.599	0.685		14.36	20
Chloroform	1.123	1.158		3.12	20
Benzene	1.409	1.476		4.76	20
1,2-Dichloroethane	0.520	0.586		12.69	20
Trichloroethene	0.372	0.403		8.33	20
Tetrachloroethene	0.373	0.399		6.97	20
Chlorobenzene	1.125	1.207	0.3	7.29	20
1,2-Dichloroethane-d4	0.701	0.677		-3.42	20
Dibromofluoromethane	0.341	0.353		3.52	20
Toluene-d8	1.196	1.188		-0.67	20
4-Bromofluorobenzene	0.455	0.440		-3.3	20

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>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3399</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/22/2025 18:36</u>
Lab File ID:	<u>VX048308.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.444	0.551		24.1	50
1,1-Dichloroethene	0.525	0.380		-27.62	50
2-Butanone	0.304	0.276		-9.21	50
Carbon Tetrachloride	0.599	0.488		-18.53	50
Chloroform	1.123	1.031		-8.19	50
Benzene	1.409	1.296		-8.02	50
1,2-Dichloroethane	0.520	0.475		-8.65	50
Trichloroethene	0.372	0.354		-4.84	50
Tetrachloroethene	0.373	0.382		2.41	50
Chlorobenzene	1.125	1.011	0.3	-10.13	50
1,2-Dichloroethane-d4	0.701	0.593		-15.41	50
Dibromofluoromethane	0.341	0.295		-13.49	50
Toluene-d8	1.196	1.171		-2.09	50
4-Bromofluorobenzene	0.455	0.303		-33.41	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3399</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/24/2025</u> <u>09:16</u>
Lab File ID:	<u>VX048339.D</u>	Init. Calib. Date(s):	<u>10/20/2025</u> <u>10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59</u> <u>13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.444	0.627		41.22	20
1,1-Dichloroethene	0.525	0.572		8.95	20
2-Butanone	0.304	0.271		-10.85	20
Carbon Tetrachloride	0.599	0.550		-8.18	20
Chloroform	1.123	1.261		12.29	20
Benzene	1.409	1.480		5.04	20
1,2-Dichloroethane	0.520	0.592		13.85	20
Trichloroethene	0.372	0.374		0.54	20
Tetrachloroethene	0.373	0.372		-0.27	20
Chlorobenzene	1.125	1.142	0.3	1.51	20
1,2-Dichloroethane-d4	0.701	0.754		7.56	20
Dibromofluoromethane	0.341	0.277		-18.77	20
Toluene-d8	1.196	1.133		-5.27	20
4-Bromofluorobenzene	0.455	0.434		-4.61	20

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>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3399</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/24/2025 15:49</u>
Lab File ID:	<u>VX048353.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.444	0.606		36.49	50
1,1-Dichloroethene	0.525	0.541		3.05	50
2-Butanone	0.304	0.265		-12.83	50
Carbon Tetrachloride	0.599	0.525		-12.35	50
Chloroform	1.123	1.134		0.98	50
Benzene	1.409	1.352		-4.05	50
1,2-Dichloroethane	0.520	0.518		-0.38	50
Trichloroethene	0.372	0.346		-6.99	50
Tetrachloroethene	0.373	0.355		-4.83	50
Chlorobenzene	1.125	1.054	0.3	-6.31	50
1,2-Dichloroethane-d4	0.701	0.681		-2.85	50
Dibromofluoromethane	0.341	0.269		-21.11	50
Toluene-d8	1.196	1.117		-6.61	50
4-Bromofluorobenzene	0.455	0.412		-9.45	50

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



SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048300.D
 Acq On : 22 Oct 2025 15:50
 Operator : JC/MD
 Sample : Q3399-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-ROLLOFF

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Oct 23 14:28:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

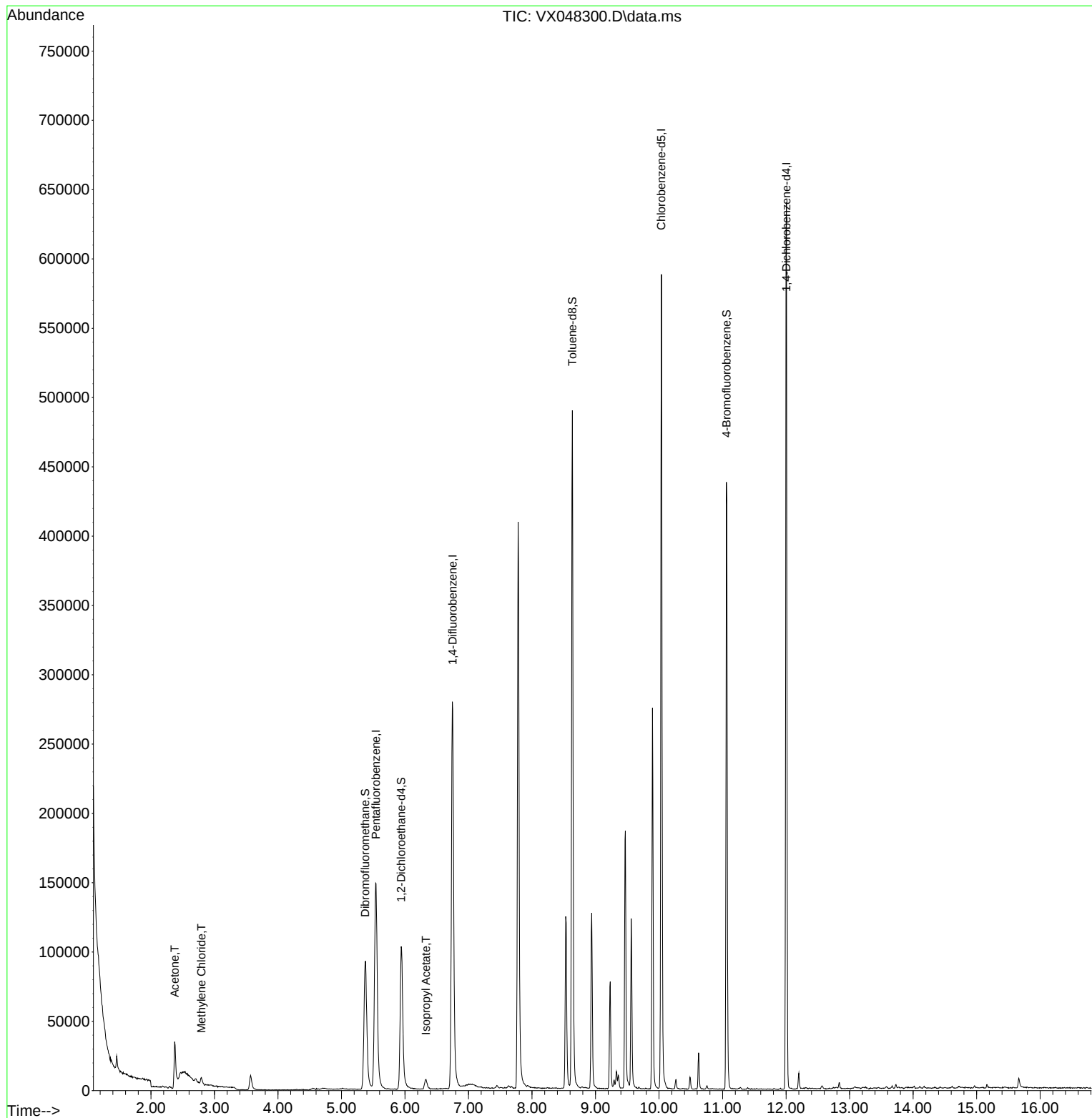
Internal Standards						
1) Pentafluorobenzene	5.544	168	155579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	306649	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	274083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	111265	51.008	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.020%
35) Dibromofluoromethane	5.373	113	91463	43.690	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.380%
50) Toluene-d8	8.635	98	303466	41.356	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	82.720%#
62) 4-Bromofluorobenzene	11.061	95	128881	46.169	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.340%
Target Compounds						
						Qvalue
16) Acetone	2.373	43	47589	63.594	ug/l	94
20) Methylene Chloride	2.794	84	2353	1.290	ug/l #	77
43) Isopropyl Acetate	6.330	43	11664	2.879	ug/l	97

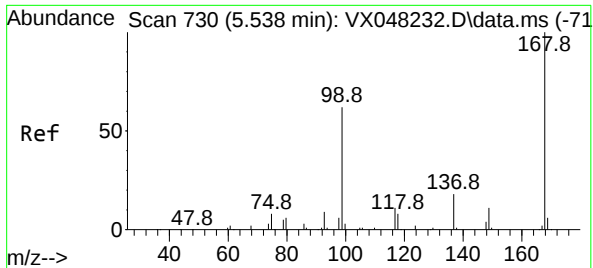
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048300.D
Acq On : 22 Oct 2025 15:50
Operator : JC/MD
Sample : Q3399-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
COMP-ROLLOFF

Quant Time: Oct 23 14:28:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX048300.D

Acq: 22 Oct 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

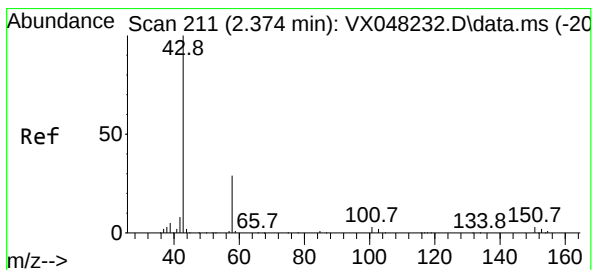
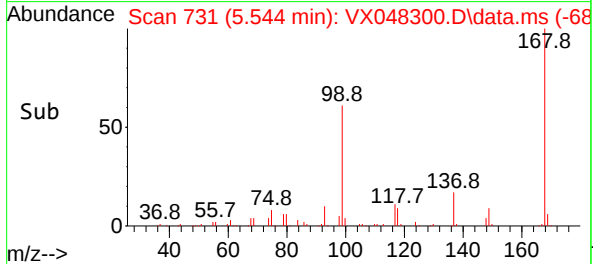
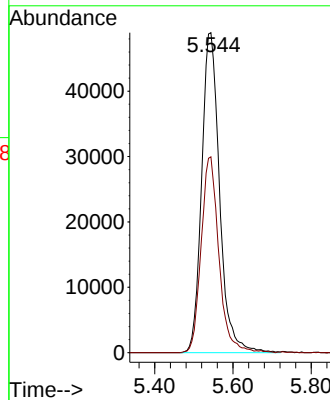
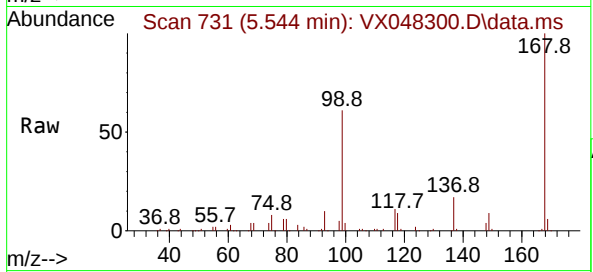
COMP-ROLLOFF

Tgt Ion:168 Resp: 155579

Ion Ratio Lower Upper

168 100

99 61.2 46.4 69.6



#16

Acetone

Concen: 63.594 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048300.D

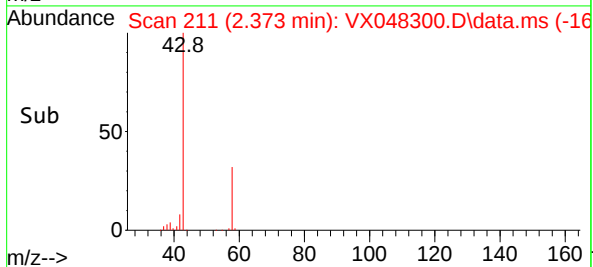
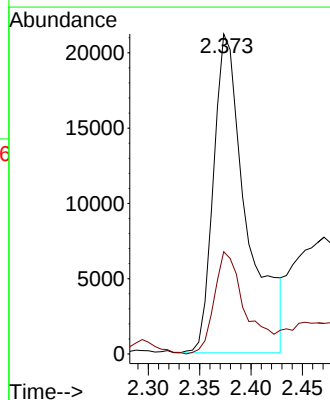
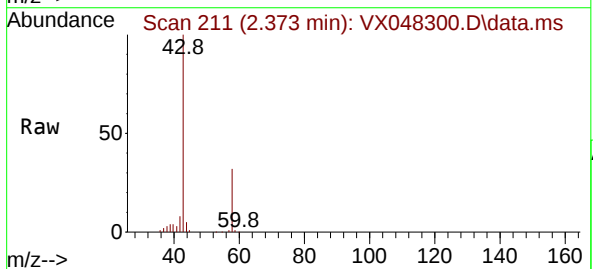
Acq: 22 Oct 2025 15:50

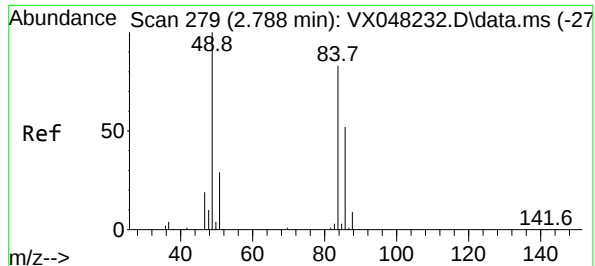
Tgt Ion: 43 Resp: 47589

Ion Ratio Lower Upper

43 100

58 32.6 23.4 35.2





#20

Methylene Chloride

Concen: 1.290 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX048300.D

Acq: 22 Oct 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

COMP-ROLLOFF

Tgt Ion: 84 Resp: 2353

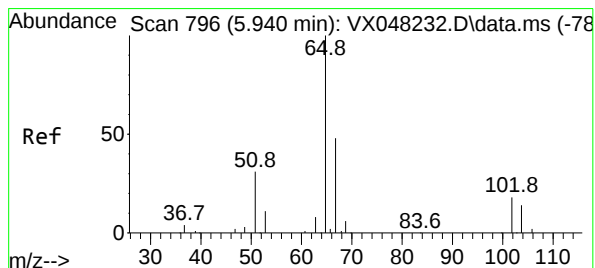
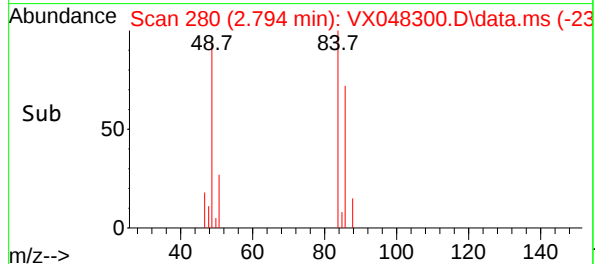
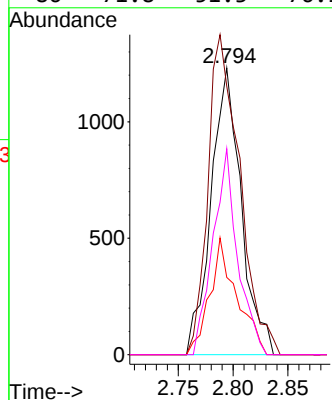
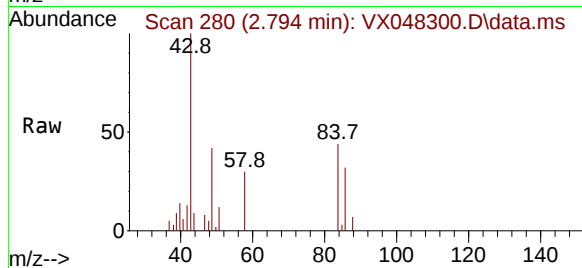
Ion Ratio Lower Upper

84 100

49 93.7 104.1 156.1#

51 27.0 31.3 46.9#

86 71.8 51.3 76.9



#33

1,2-Dichloroethane-d4

Concen: 51.008 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048300.D

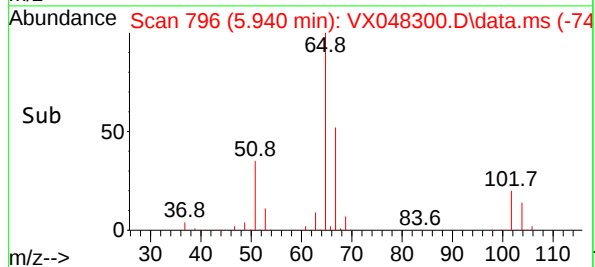
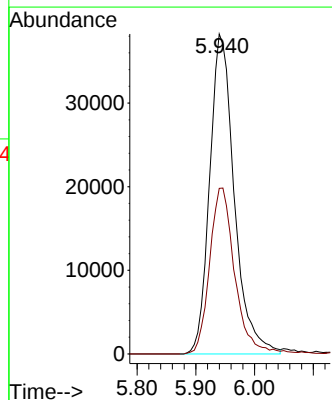
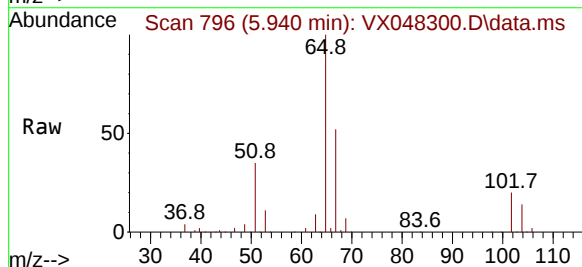
Acq: 22 Oct 2025 15:50

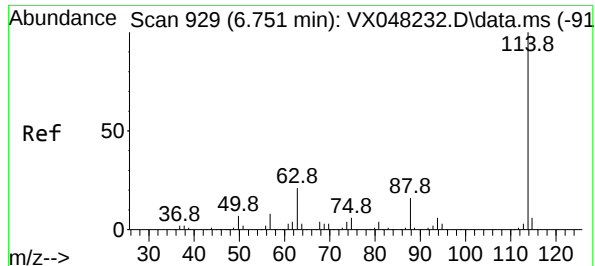
Tgt Ion: 65 Resp: 111265

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX048300.D

Acq: 22 Oct 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

COMP-ROLLOFF

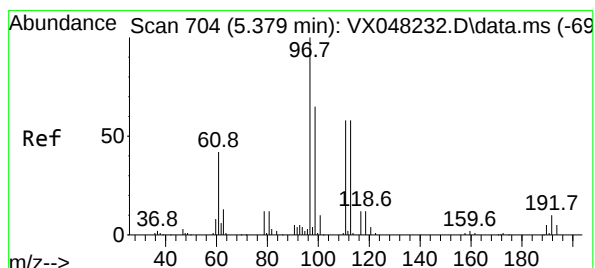
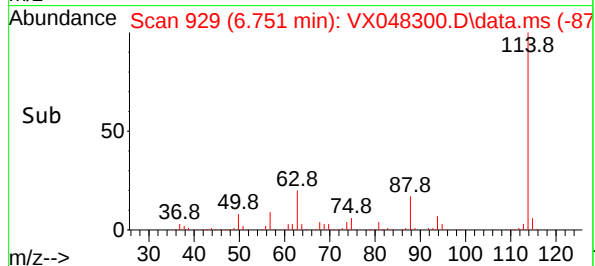
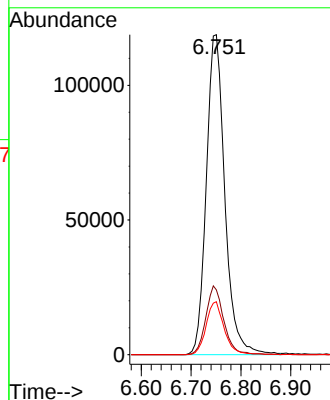
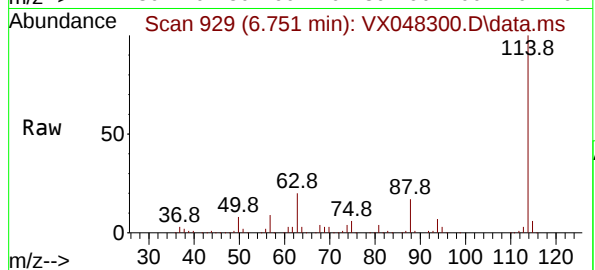
Tgt Ion:114 Resp: 306649

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 16.5 0.0 33.6



#35

Dibromofluoromethane

Concen: 43.690 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048300.D

Acq: 22 Oct 2025 15:50

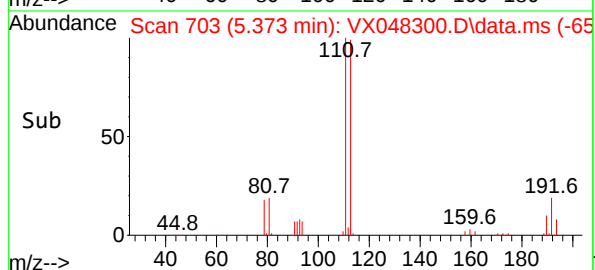
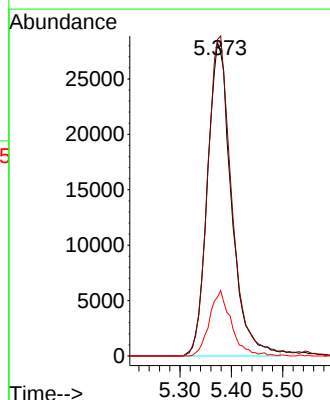
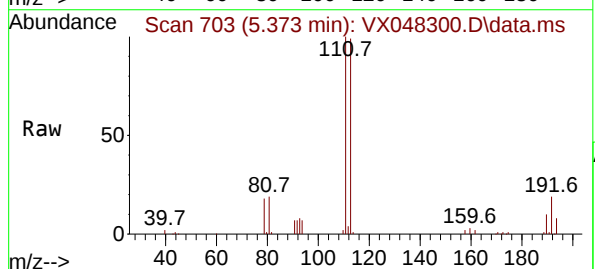
Tgt Ion:113 Resp: 91463

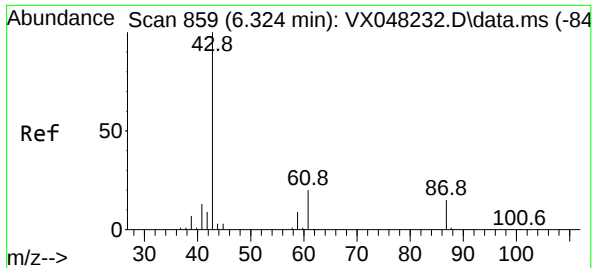
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

192 19.1 15.1 22.7

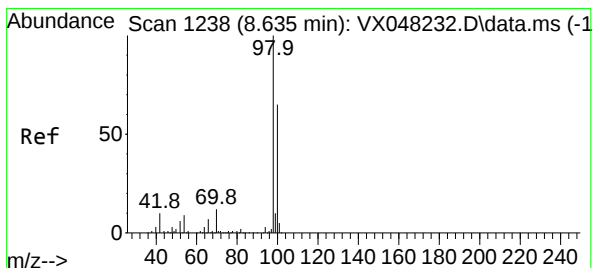
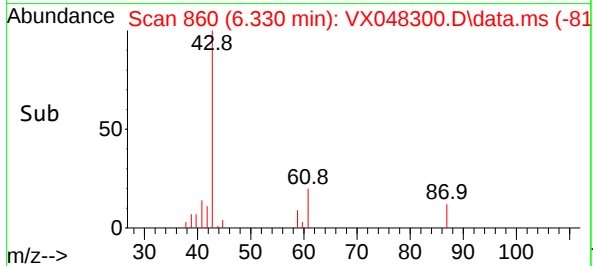
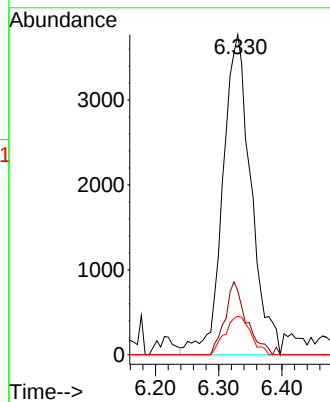
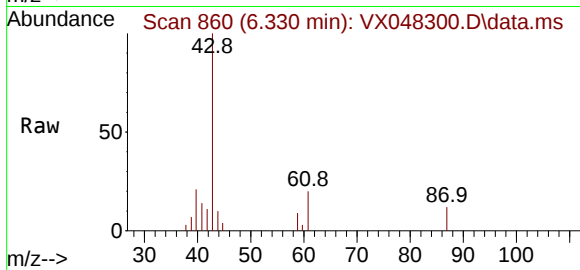




#43
Isopropyl Acetate
Concen: 2.879 ug/l
RT: 6.330 min Scan# 859
Delta R.T. 0.006 min
Lab File: VX048300.D
Acq: 22 Oct 2025 15:50

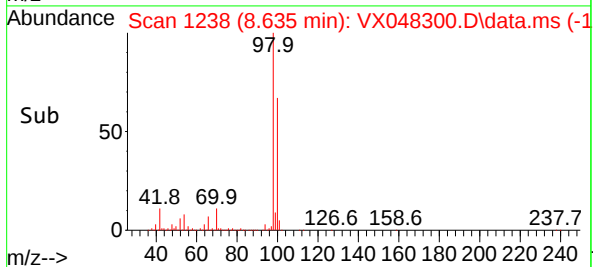
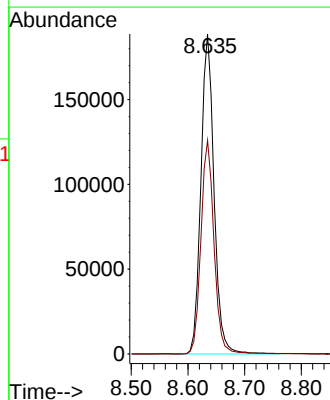
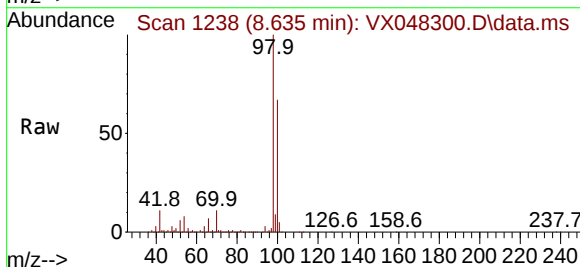
Instrument :
MSVOA_X
ClientSampleId :
COMP-ROLLOFF

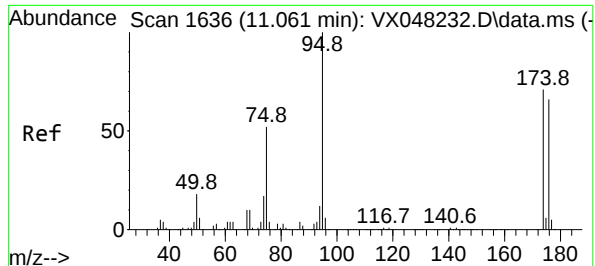
Tgt Ion: 43 Resp: 11664
Ion Ratio Lower Upper
43 100
61 17.2 14.9 22.3
87 11.0 9.4 14.2



#50
Toluene-d8
Concen: 41.356 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048300.D
Acq: 22 Oct 2025 15:50

Tgt Ion: 98 Resp: 303466
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4

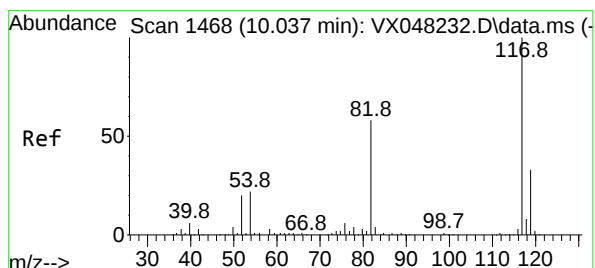
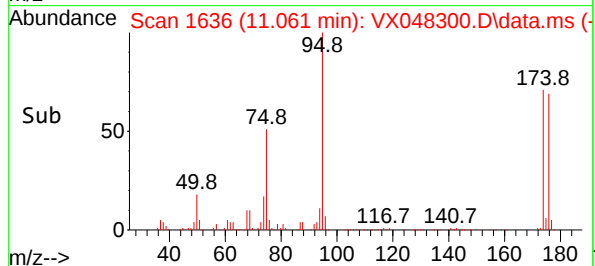
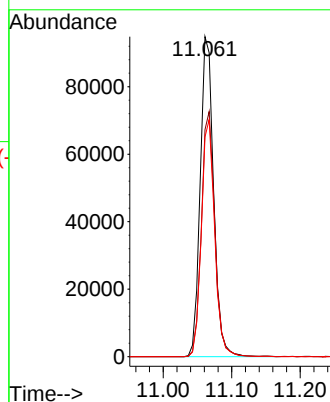
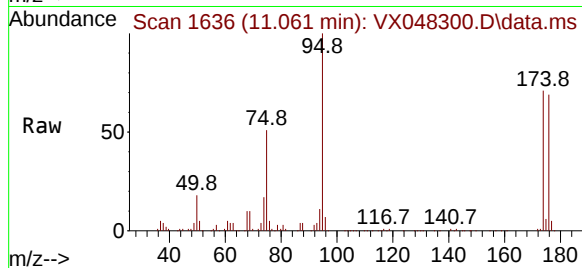




#62
4-Bromofluorobenzene
Concen: 46.169 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048300.D
Acq: 22 Oct 2025 15:50

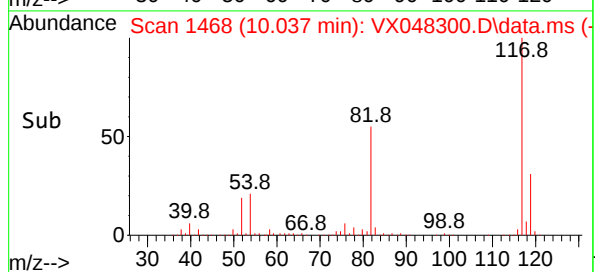
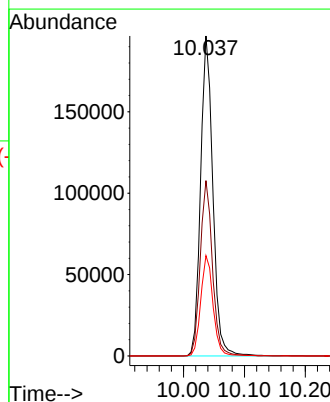
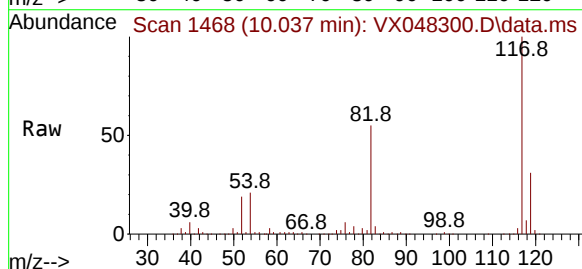
Instrument :
MSVOA_X
ClientSampleId :
COMP-ROLLOFF

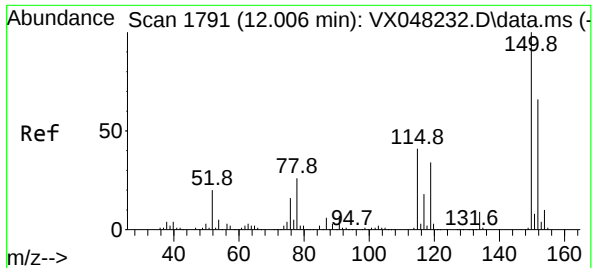
Tgt Ion: 95 Resp: 128881
Ion Ratio Lower Upper
95 100
174 76.9 0.0 147.8
176 73.6 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048300.D
Acq: 22 Oct 2025 15:50

Tgt Ion: 117 Resp: 274083
Ion Ratio Lower Upper
117 100
82 54.8 46.5 69.7
119 31.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048300.D

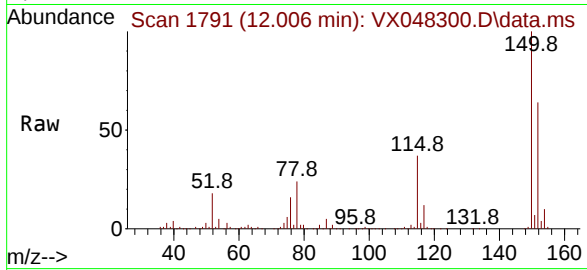
Acq: 22 Oct 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

COMP-ROLLOFF



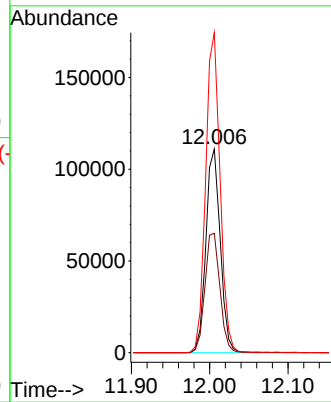
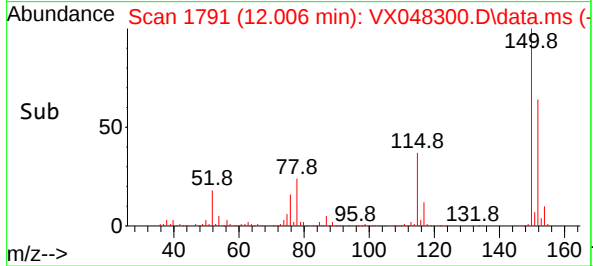
Tgt Ion:152 Resp: 141254

Ion Ratio Lower Upper

152 100

115 61.1 43.1 129.4

150 157.5 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
 Data File : VX048343.D
 Acq On : 24 Oct 2025 11:03
 Operator : JC/MD
 Sample : Q3399-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-ROLLOFF

Quant Time: Oct 24 23:02:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

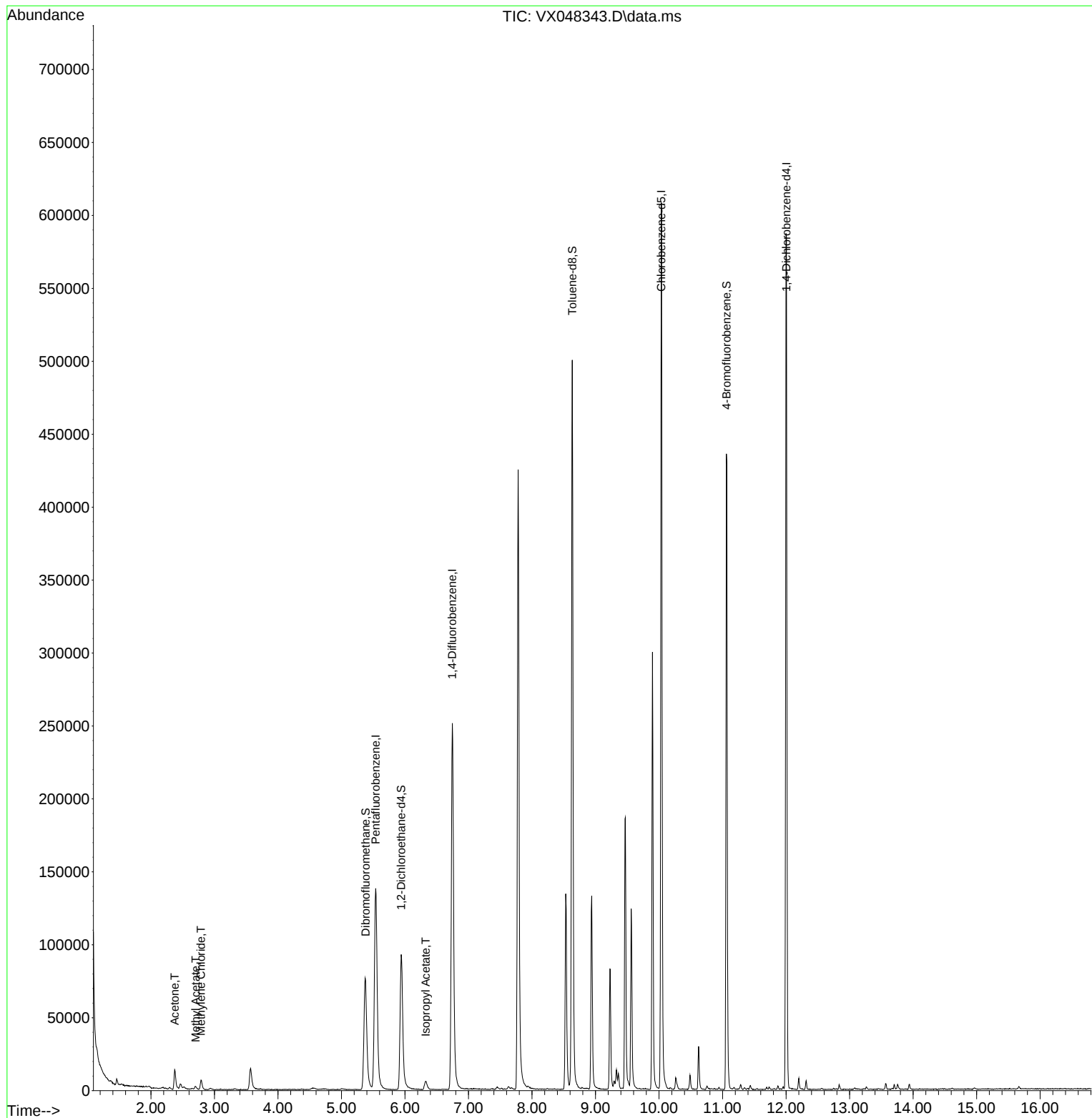
Internal Standards						
1) Pentafluorobenzene	5.538	168	137283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	270507	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	123520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	104937	54.518	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.040%			
35) Dibromofluoromethane	5.379	113	73601	39.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 79.700%			
50) Toluene-d8	8.635	98	305004	47.119	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.240%			
62) 4-Bromofluorobenzene	11.061	95	124188	50.431	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.860%			
Target Compounds						
					Qvalue	
16) Acetone	2.374	43	18583	28.142	ug/l	95
18) Methyl Acetate	2.703	43	3602	2.612	ug/l #	90
20) Methylene Chloride	2.788	84	3286	2.042	ug/l	90
43) Isopropyl Acetate	6.324	43	9305	2.604	ug/l	98

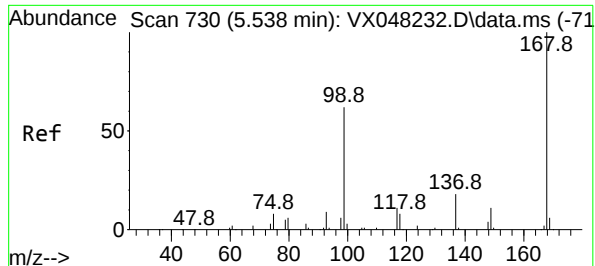
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
Data File : VX048343.D
Acq On : 24 Oct 2025 11:03
Operator : JC/MD
Sample : Q3399-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
COMP-ROLLOFF

Quant Time: Oct 24 23:02:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

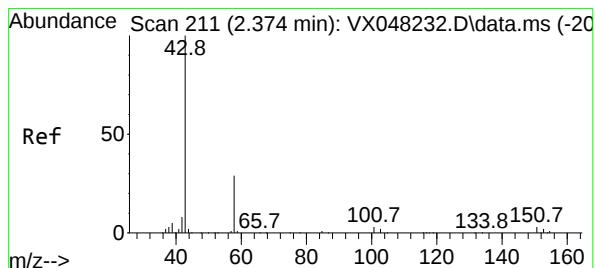
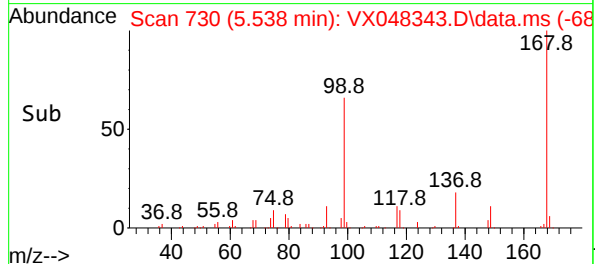
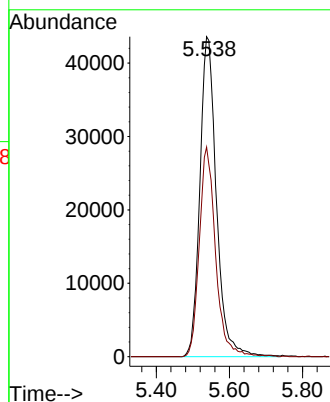
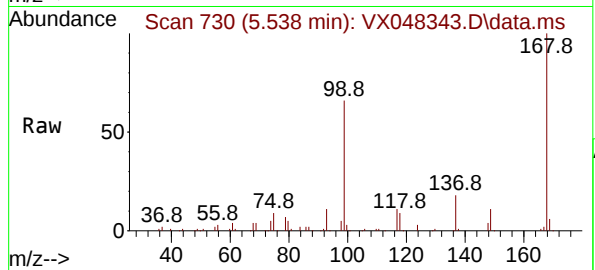




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048343.D
Acq: 24 Oct 2025 11:03

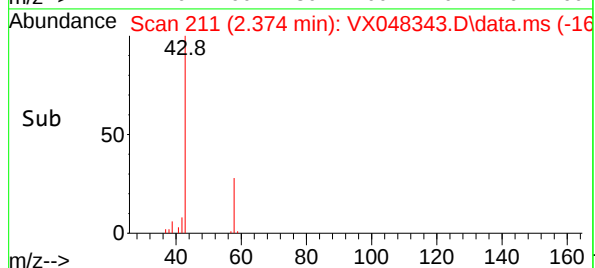
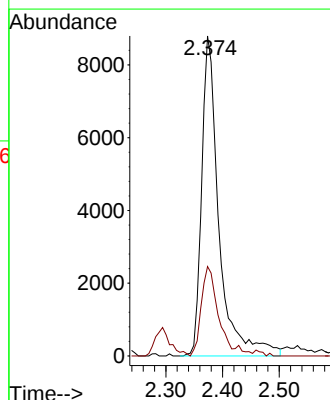
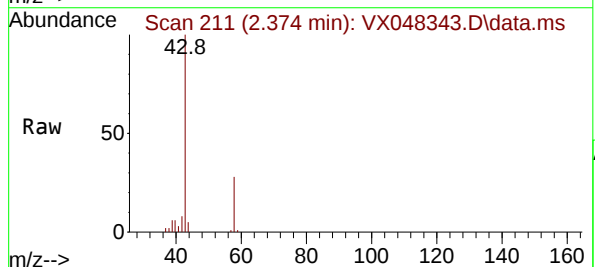
Instrument :
MSVOA_X
ClientSampleId :
COMP-ROLLOFF

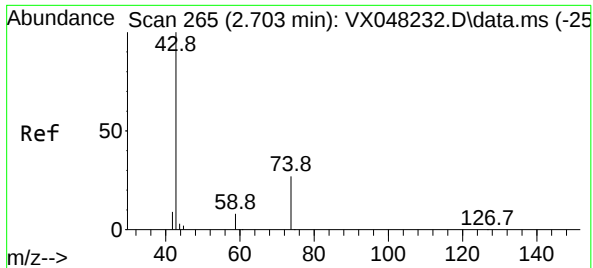
Tgt Ion:168 Resp: 137283
Ion Ratio Lower Upper
168 100
99 65.5 46.4 69.6



#16
Acetone
Concen: 28.142 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048343.D
Acq: 24 Oct 2025 11:03

Tgt Ion: 43 Resp: 18583
Ion Ratio Lower Upper
43 100
58 26.6 23.4 35.2





#18

Methyl Acetate

Concen: 2.612 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX048343.D

Acq: 24 Oct 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

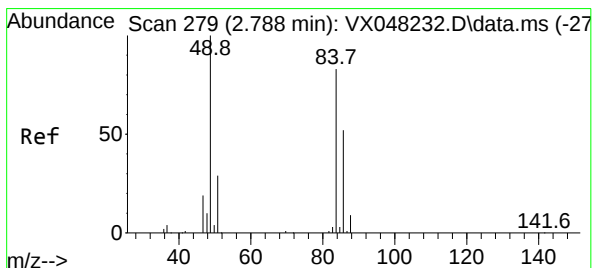
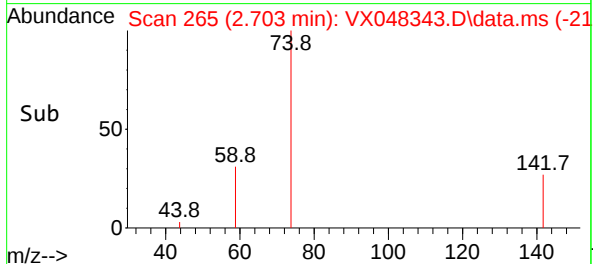
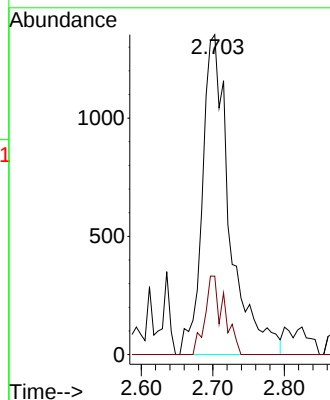
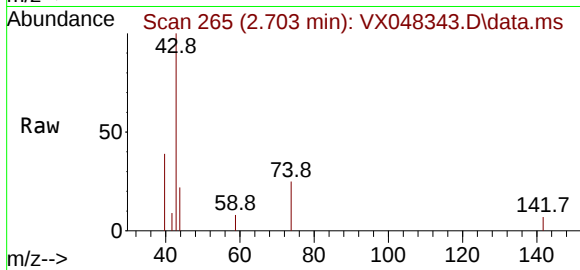
COMP-ROLLOFF

Tgt Ion: 43 Resp: 3602

Ion Ratio Lower Upper

43 100

74 17.0 17.5 26.3#



#20

Methylene Chloride

Concen: 2.042 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX048343.D

Acq: 24 Oct 2025 11:03

Tgt Ion: 84 Resp: 3286

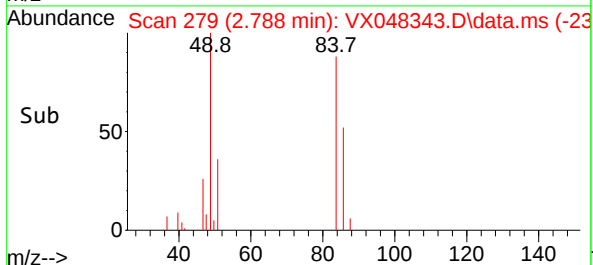
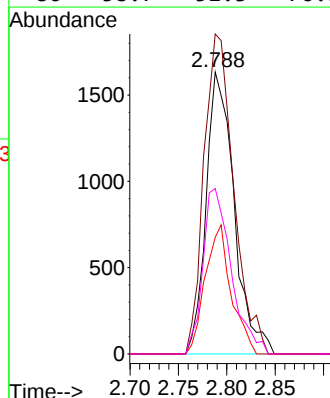
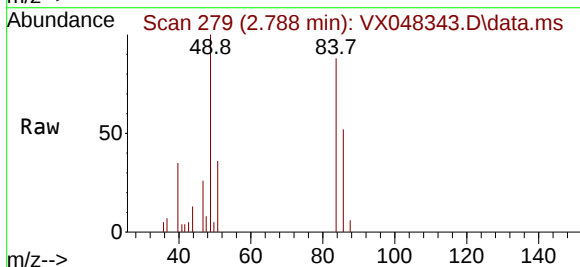
Ion Ratio Lower Upper

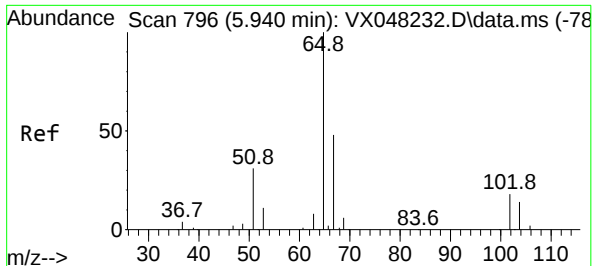
84 100

49 113.5 104.1 156.1

51 41.4 31.3 46.9

86 58.7 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 54.518 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048343.D

Acq: 24 Oct 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

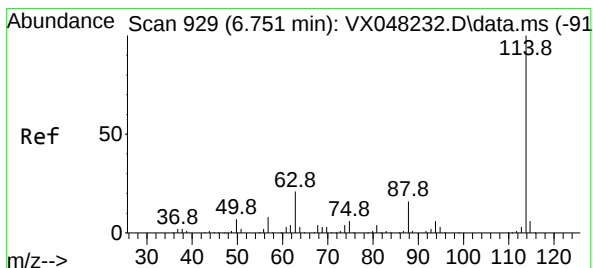
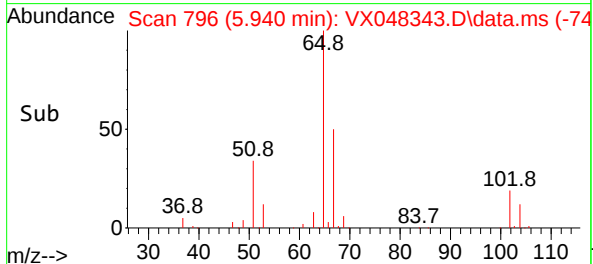
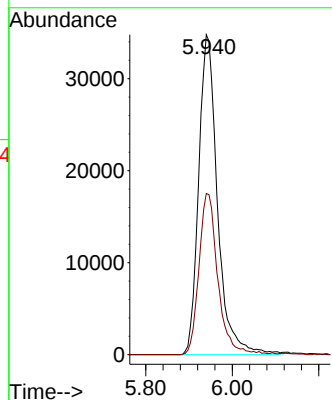
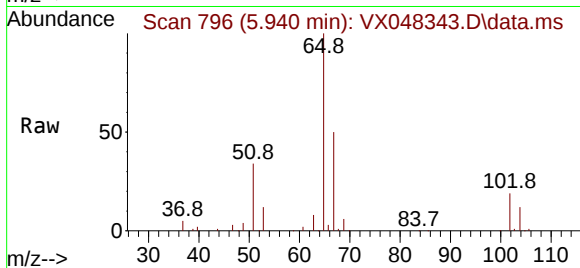
COMP-ROLLOFF

Tgt Ion: 65 Resp: 104937

Ion Ratio Lower Upper

65 100

67 50.4 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048343.D

Acq: 24 Oct 2025 11:03

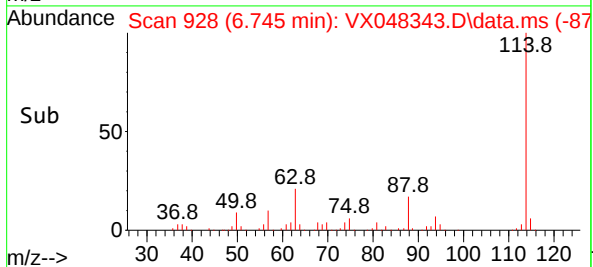
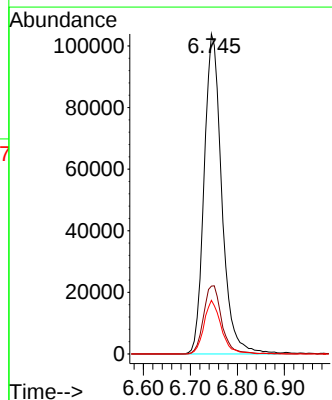
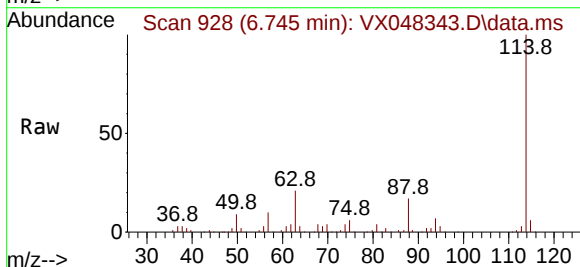
Tgt Ion: 114 Resp: 270507

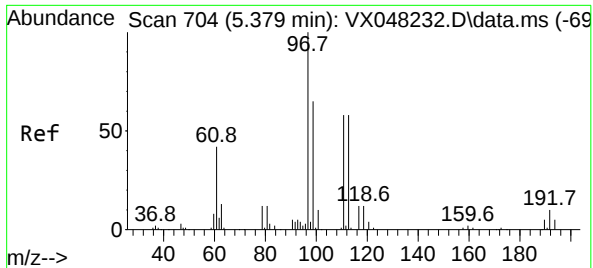
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 39.855 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX048343.D

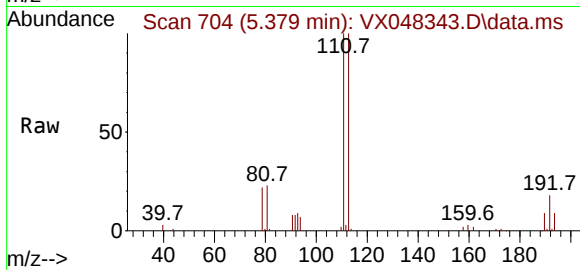
Acq: 24 Oct 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

COMP-ROLLOFF



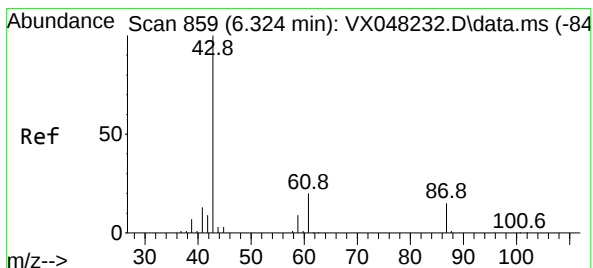
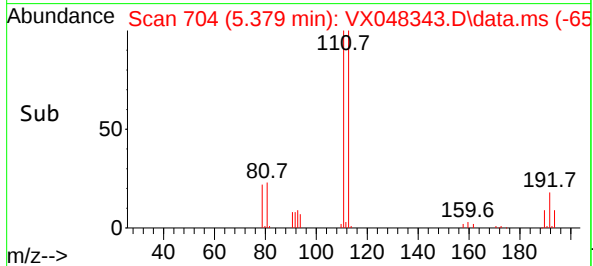
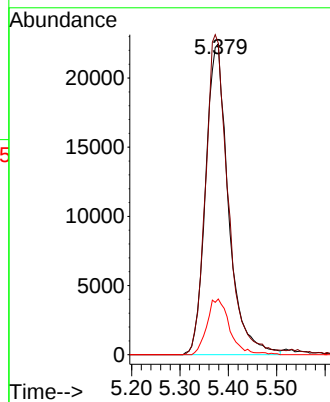
Tgt Ion:113 Resp: 73601

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 17.9 15.1 22.7



#43

Isopropyl Acetate

Concen: 2.604 ug/l

RT: 6.324 min Scan# 859

Delta R.T. -0.000 min

Lab File: VX048343.D

Acq: 24 Oct 2025 11:03

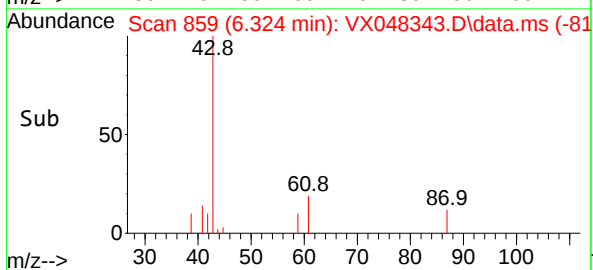
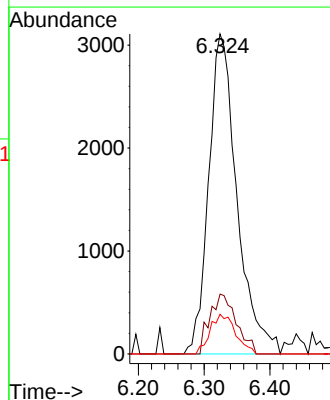
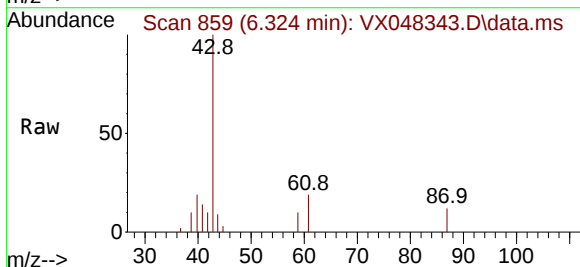
Tgt Ion: 43 Resp: 9305

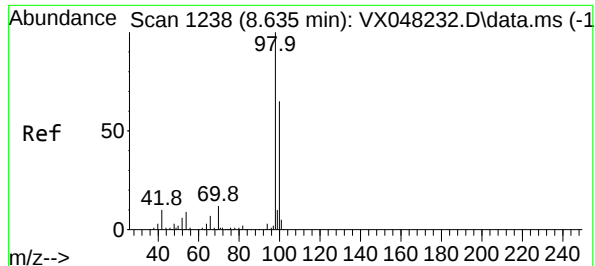
Ion Ratio Lower Upper

43 100

61 17.6 14.9 22.3

87 11.1 9.4 14.2





#50

Toluene-d8

Concen: 47.119 ug/l

RT: 8.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048343.D

Acq: 24 Oct 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

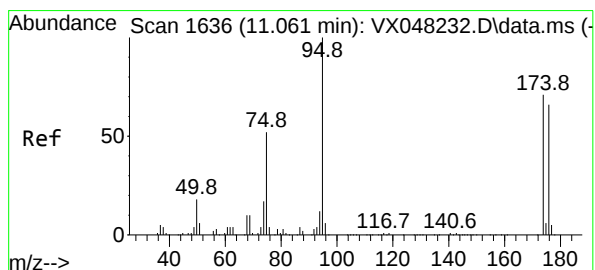
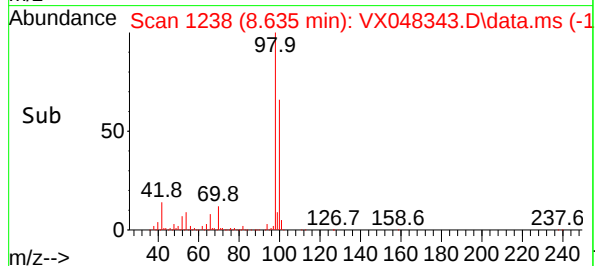
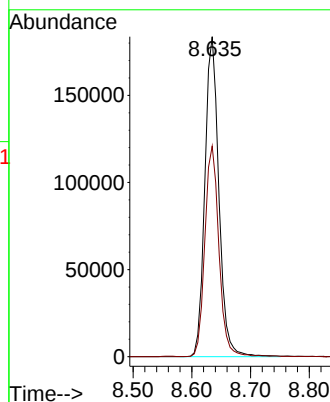
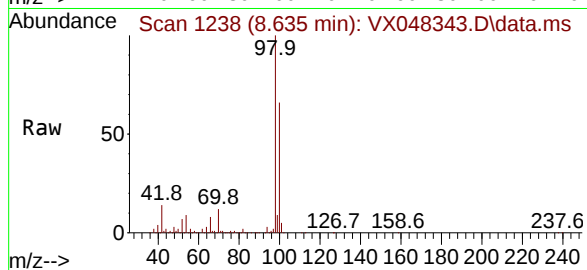
COMP-ROLLOFF

Tgt Ion: 98 Resp: 305004

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 50.431 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048343.D

Acq: 24 Oct 2025 11:03

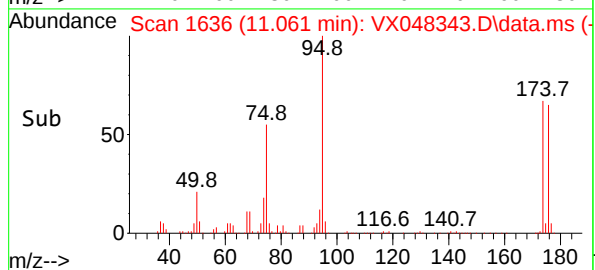
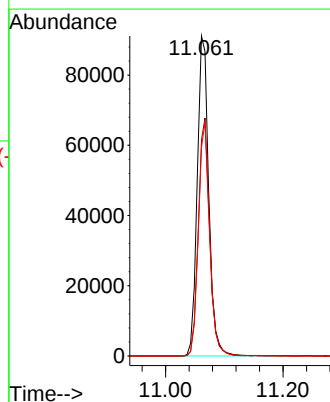
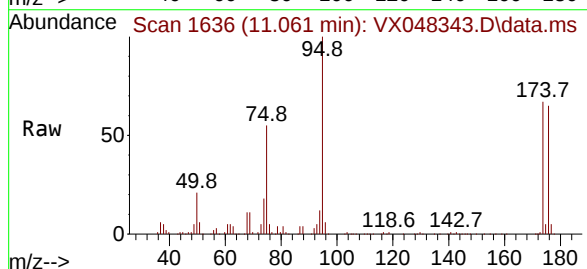
Tgt Ion: 95 Resp: 124188

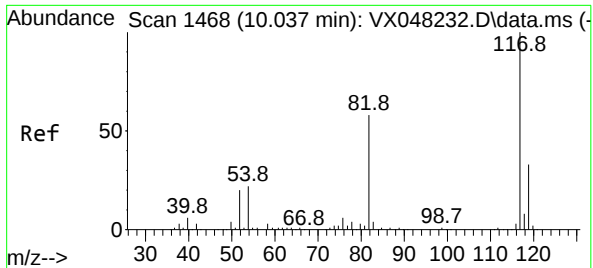
Ion Ratio Lower Upper

95 100

174 73.1 0.0 147.8

176 70.7 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048343.D

Acq: 24 Oct 2025 11:03

Instrument :

MSVOA_X

ClientSampleId :

COMP-ROLLOFF

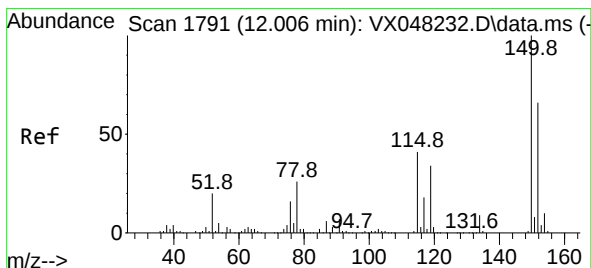
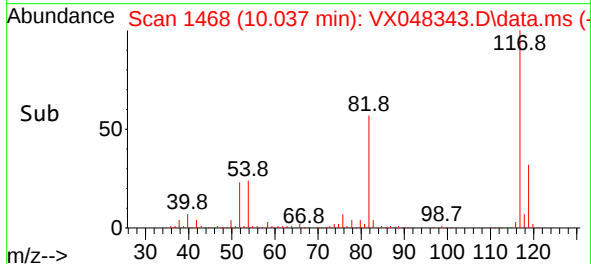
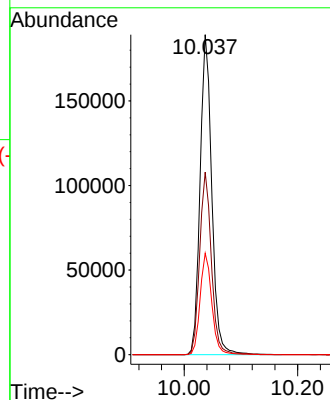
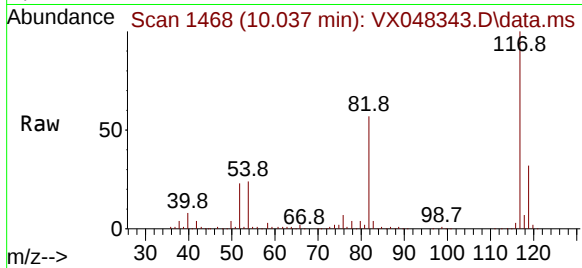
Tgt Ion:117 Resp: 270324

Ion Ratio Lower Upper

117 100

82 57.0 46.5 69.7

119 31.7 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048343.D

Acq: 24 Oct 2025 11:03

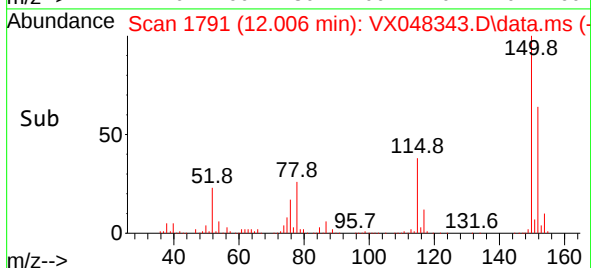
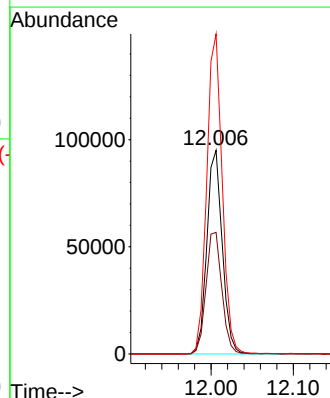
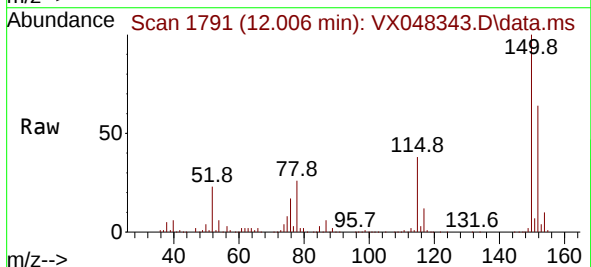
Tgt Ion:152 Resp: 123520

Ion Ratio Lower Upper

152 100

115 61.7 43.1 129.4

150 157.7 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048282.D
 Acq On : 22 Oct 2025 09:26
 Operator : JC/MD
 Sample : VX1022WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBL01

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Oct 24 05:50:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	97887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	185129	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	199062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	99844	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	69611	50.720	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.440%
35) Dibromofluoromethane	5.373	113	62055	49.099	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.200%
50) Toluene-d8	8.635	98	211132	47.660	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.320%
62) 4-Bromofluorobenzene	11.061	95	91904	54.533	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.060%

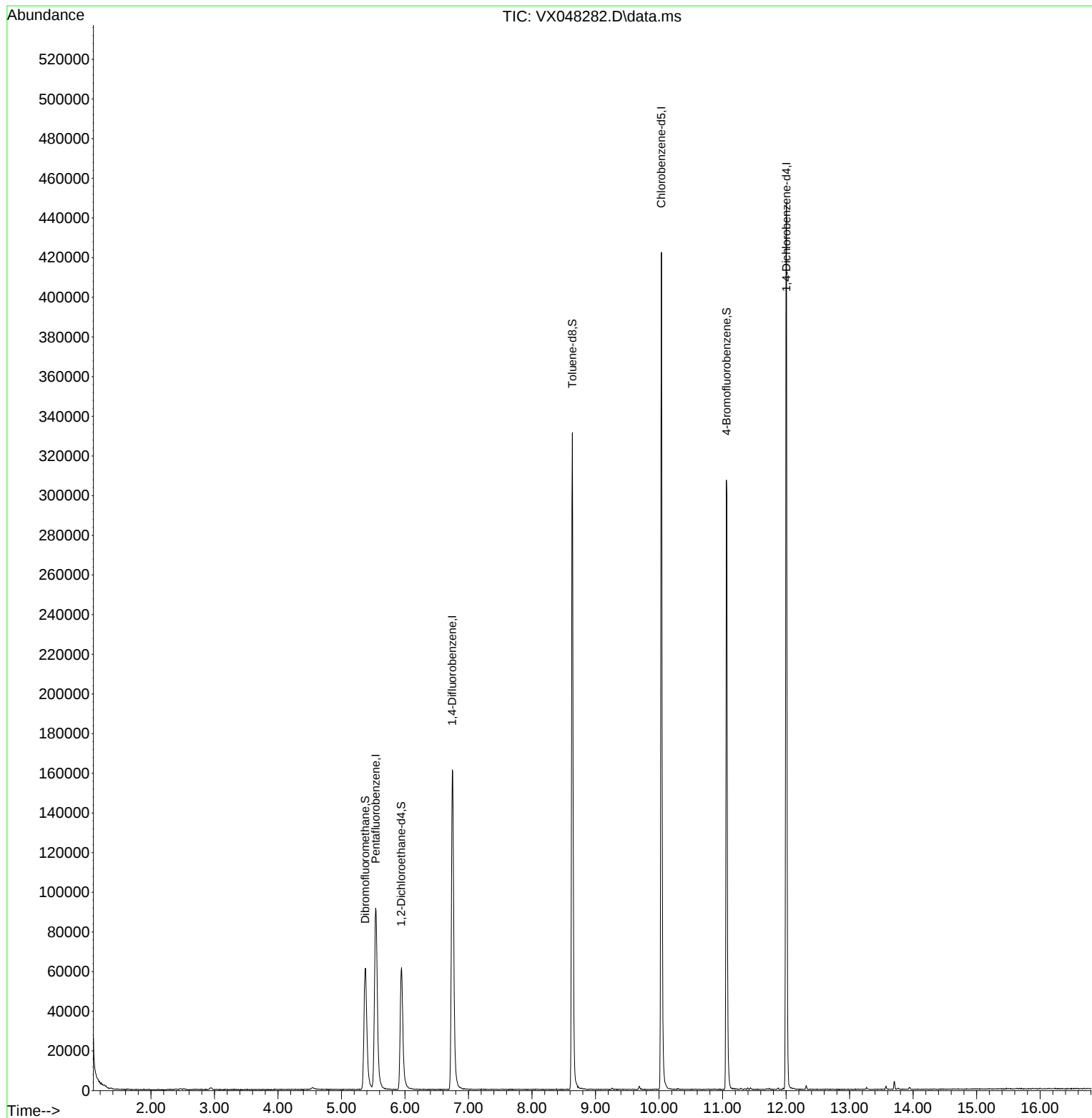
Target Compounds	Qvalue

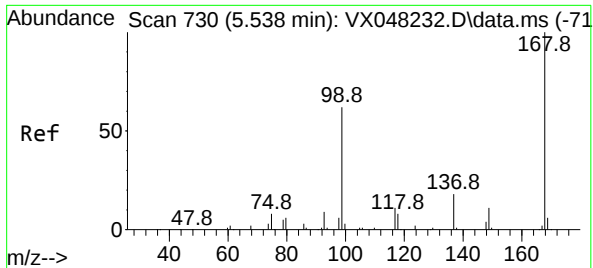
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048282.D
Acq On : 22 Oct 2025 09:26
Operator : JC/MD
Sample : VX1022WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL01

Quant Time: Oct 24 05:50:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

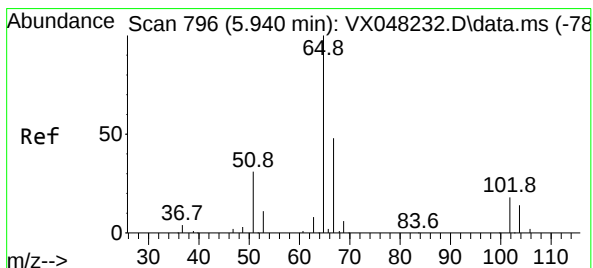
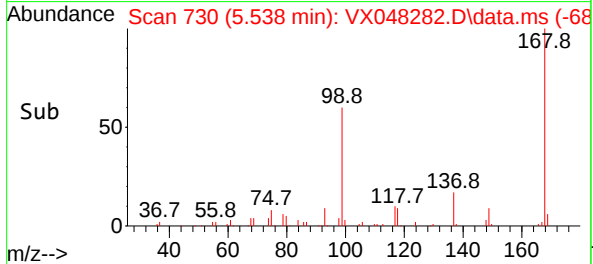
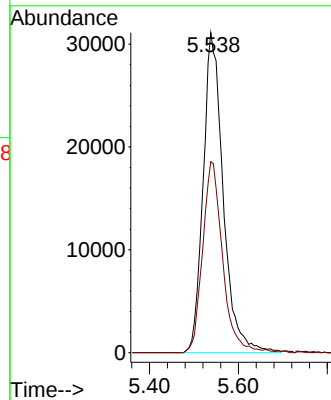
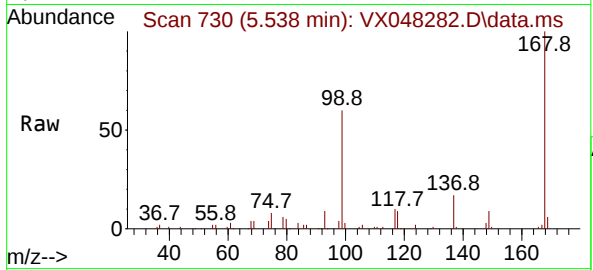




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048282.D
Acq: 22 Oct 2025 09:26

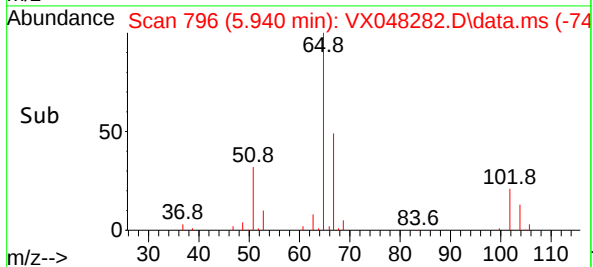
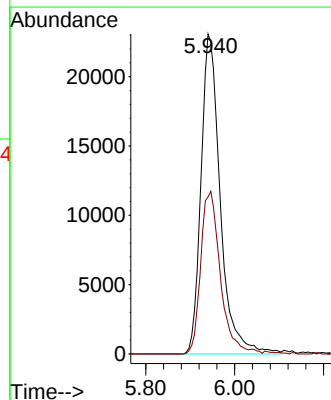
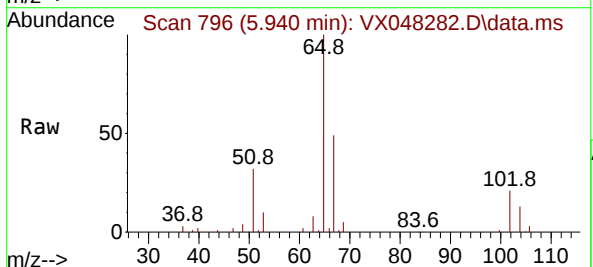
Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL01

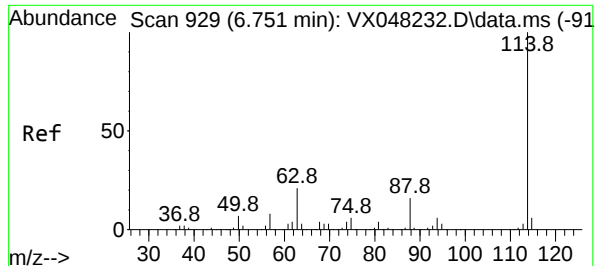
Tgt Ion:168 Resp: 97887
Ion Ratio Lower Upper
168 100
99 59.7 46.4 69.6



#33
1,2-Dichloroethane-d4
Concen: 50.720 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048282.D
Acq: 22 Oct 2025 09:26

Tgt Ion: 65 Resp: 69611
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048282.D

Acq: 22 Oct 2025 09:26

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL01

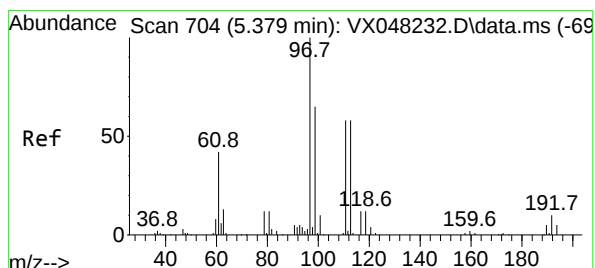
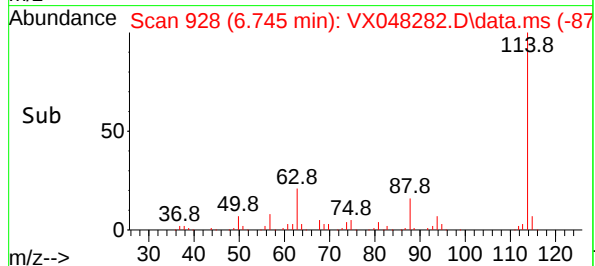
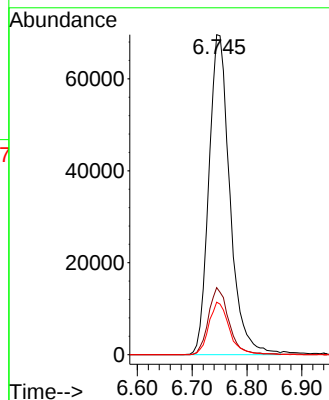
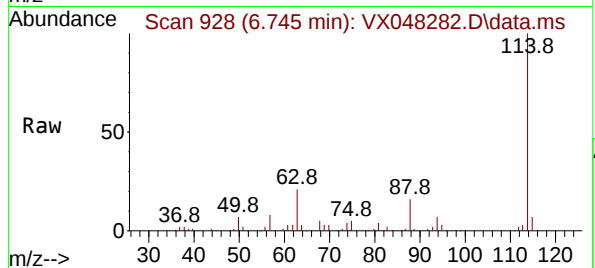
Tgt Ion:114 Resp: 185129

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 16.4 0.0 33.6



#35

Dibromofluoromethane

Concen: 49.099 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048282.D

Acq: 22 Oct 2025 09:26

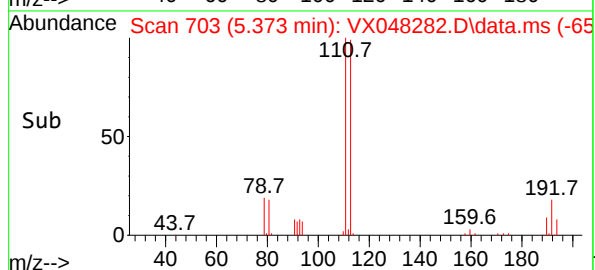
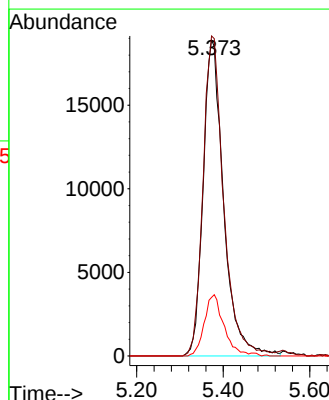
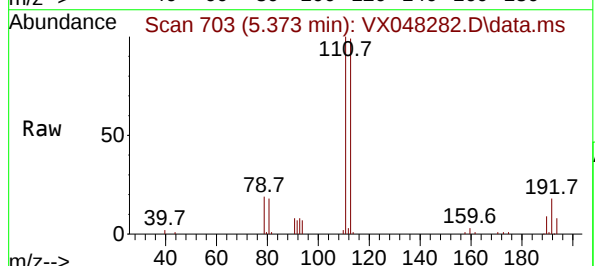
Tgt Ion:113 Resp: 62055

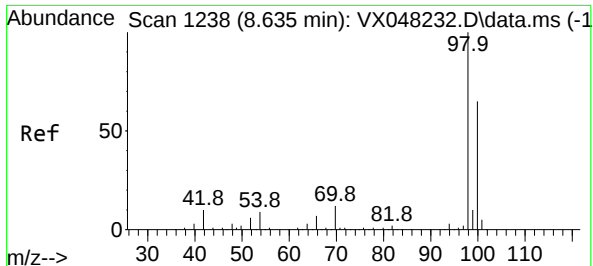
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

192 18.4 15.1 22.7





#50

Toluene-d8

Concen: 47.660 ug/l

RT: 8.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048282.D

Acq: 22 Oct 2025 09:26

Instrument :

MSVOA_X

ClientSampleId :

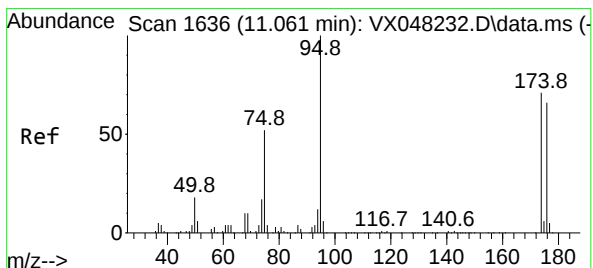
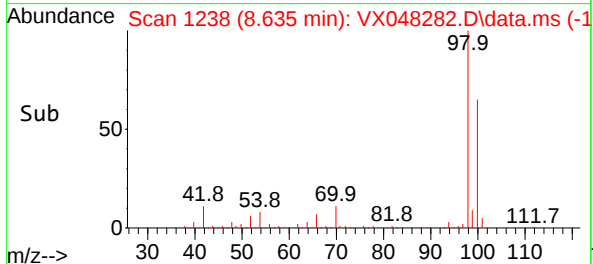
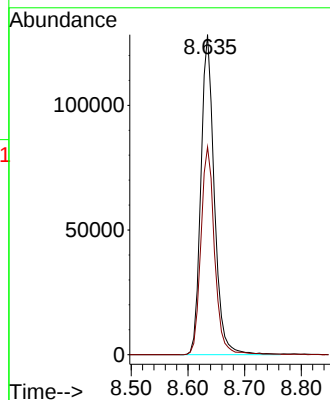
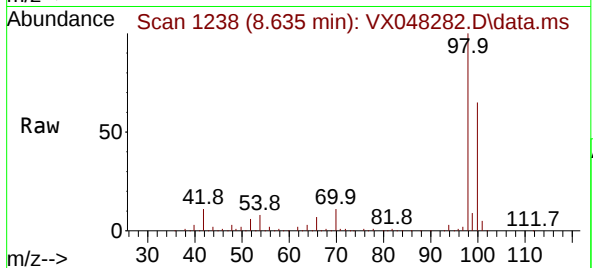
VX1022WBL01

Tgt Ion: 98 Resp: 211132

Ion Ratio Lower Upper

98 100

100 66.3 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 54.533 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048282.D

Acq: 22 Oct 2025 09:26

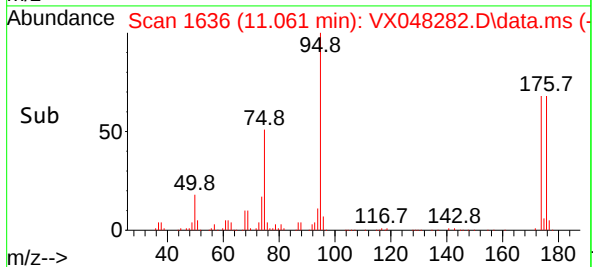
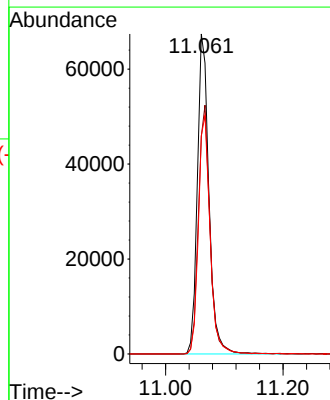
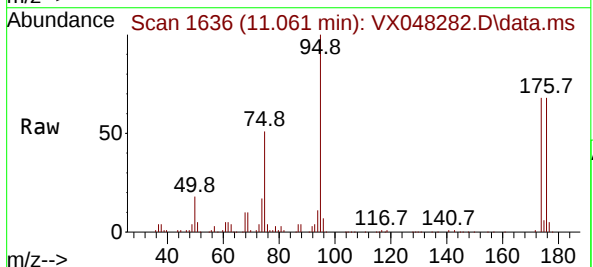
Tgt Ion: 95 Resp: 91904

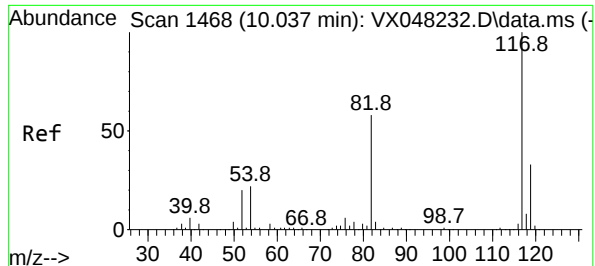
Ion Ratio Lower Upper

95 100

174 77.8 0.0 147.8

176 75.2 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048282.D

Acq: 22 Oct 2025 09:26

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL01

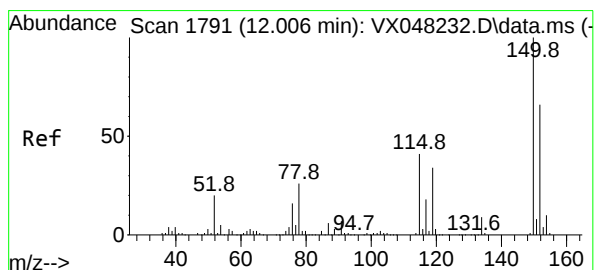
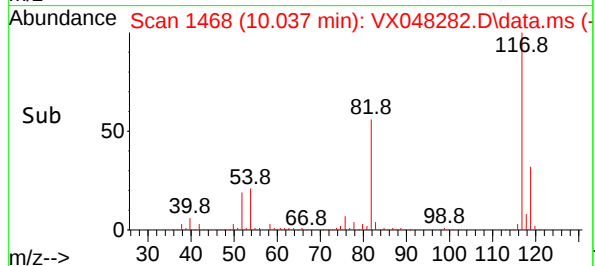
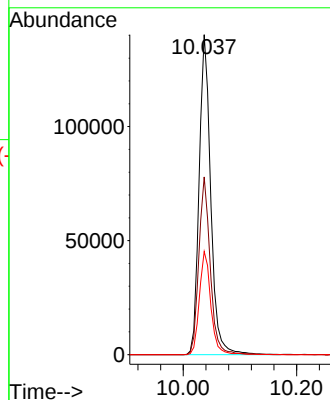
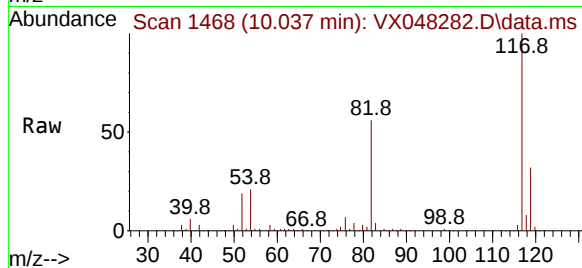
Tgt Ion:117 Resp: 199062

Ion Ratio Lower Upper

117 100

82 55.6 46.5 69.7

119 32.2 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048282.D

Acq: 22 Oct 2025 09:26

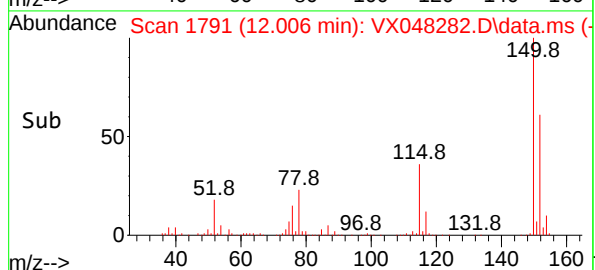
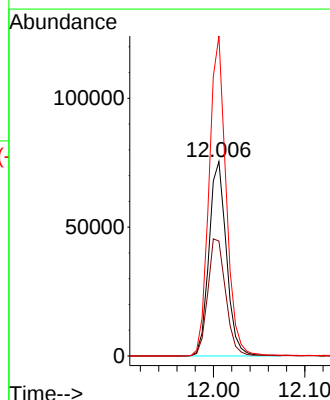
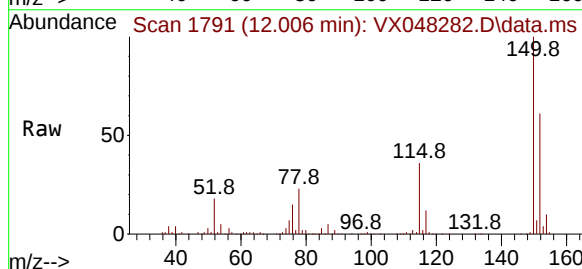
Tgt Ion:152 Resp: 99844

Ion Ratio Lower Upper

152 100

115 62.1 43.1 129.4

150 160.7 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
 Data File : VX048340.D
 Acq On : 24 Oct 2025 09:48
 Operator : JC/MD
 Sample : VX1024WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBL01

Quant Time: Oct 24 23:00:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	90540	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	176490	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	165587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	72164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	66303	52.230	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.460%	
35) Dibromofluoromethane	5.361	113	46939	38.957	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 77.920%	
50) Toluene-d8	8.628	98	182081	43.114	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 86.220%#	
62) 4-Bromofluorobenzene	11.061	95	68609	42.703	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.400%	

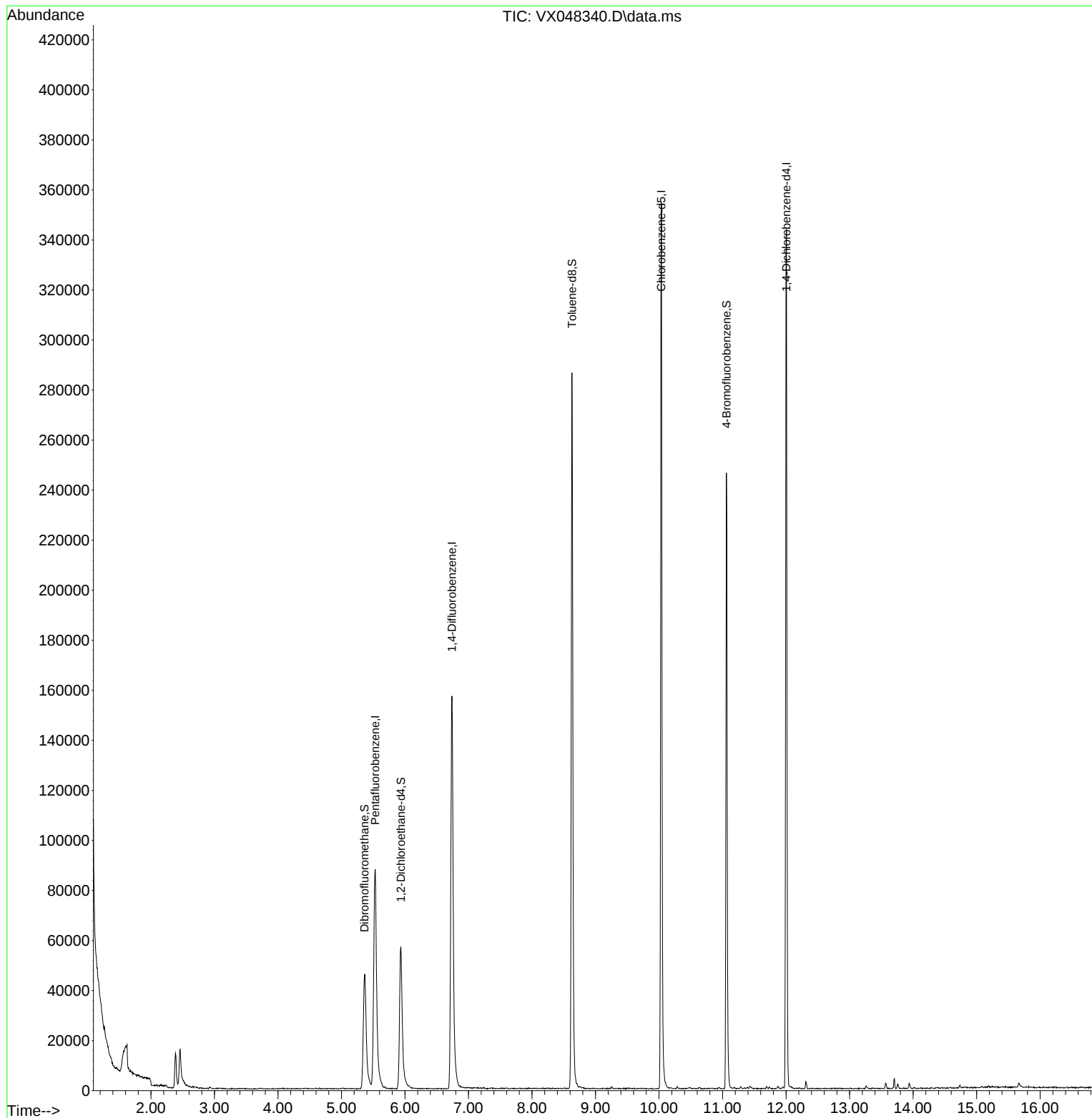
Target Compounds	Qvalue

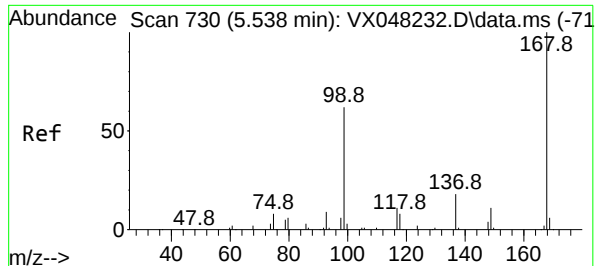
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
Data File : VX048340.D
Acq On : 24 Oct 2025 09:48
Operator : JC/MD
Sample : VX1024WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBL01

Quant Time: Oct 24 23:00:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.531 min Scan# 71

Delta R.T. -0.013 min

Lab File: VX048340.D

Acq: 24 Oct 2025 09:48

Instrument :

MSVOA_X

ClientSampleId :

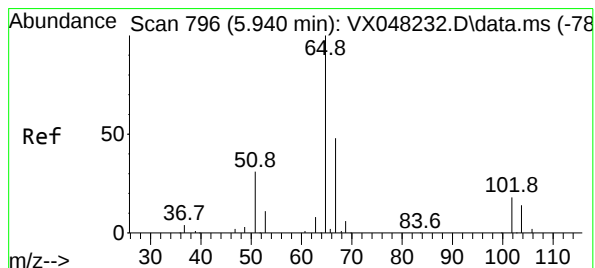
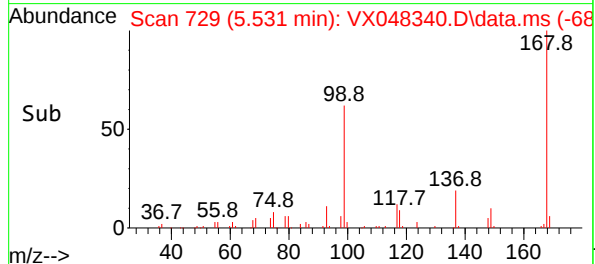
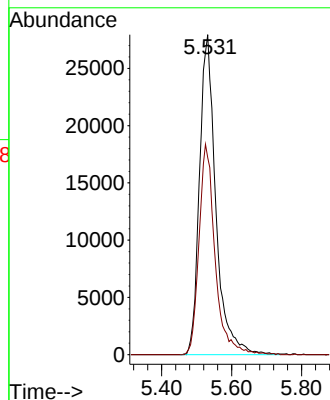
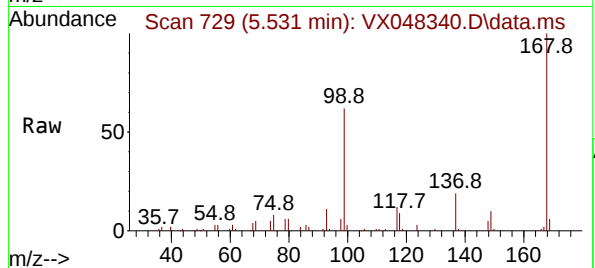
VX1024WBL01

Tgt Ion:168 Resp: 90540

Ion Ratio Lower Upper

168 100

99 61.6 46.4 69.6



#33

1,2-Dichloroethane-d4

Concen: 52.230 ug/l

RT: 5.934 min Scan# 795

Delta R.T. -0.006 min

Lab File: VX048340.D

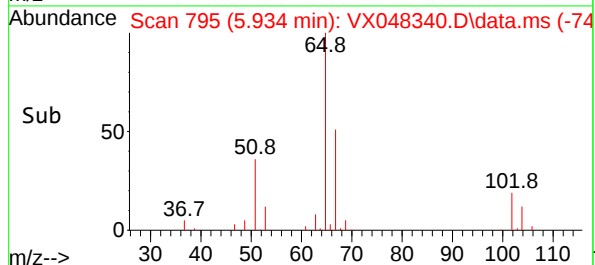
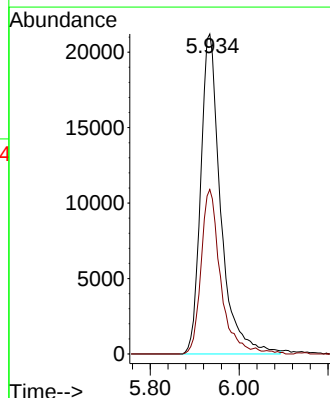
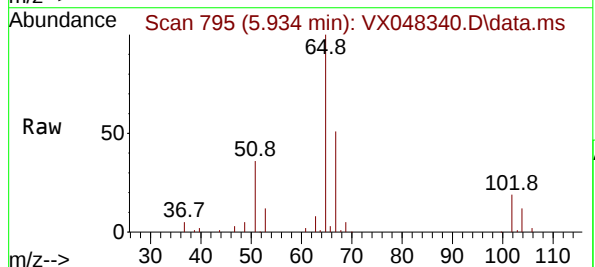
Acq: 24 Oct 2025 09:48

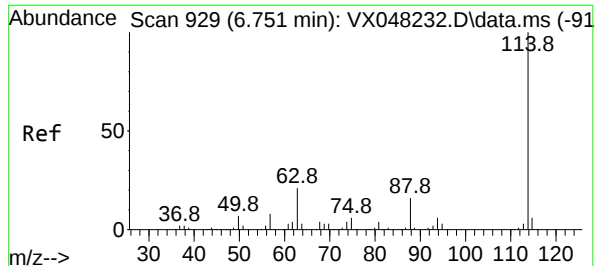
Tgt Ion: 65 Resp: 66303

Ion Ratio Lower Upper

65 100

67 50.1 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.738 min Scan# 91

Delta R.T. -0.007 min

Lab File: VX048340.D

Acq: 24 Oct 2025 09:48

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBL01

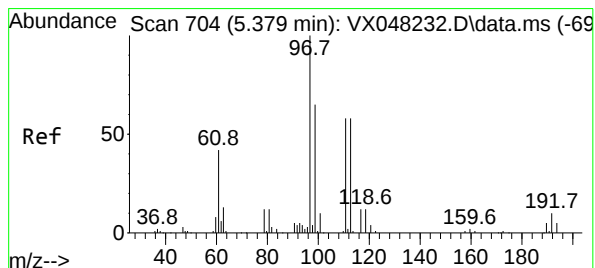
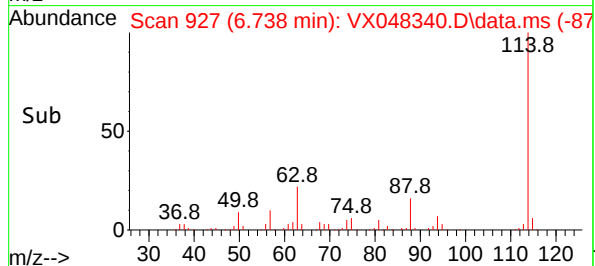
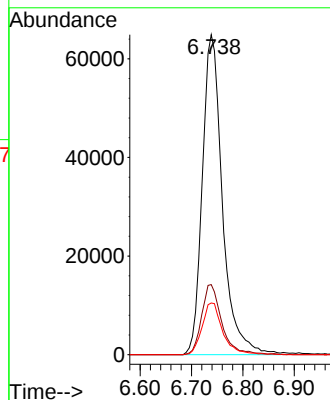
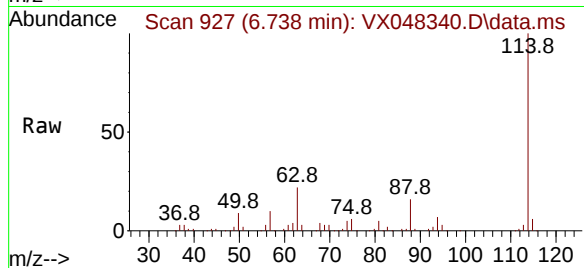
Tgt Ion:114 Resp: 176490

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

88 16.1 0.0 33.6



#35

Dibromofluoromethane

Concen: 38.957 ug/l

RT: 5.361 min Scan# 701

Delta R.T. -0.012 min

Lab File: VX048340.D

Acq: 24 Oct 2025 09:48

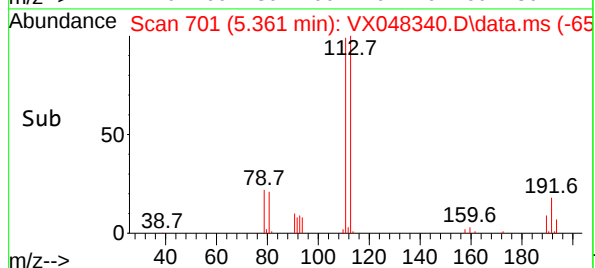
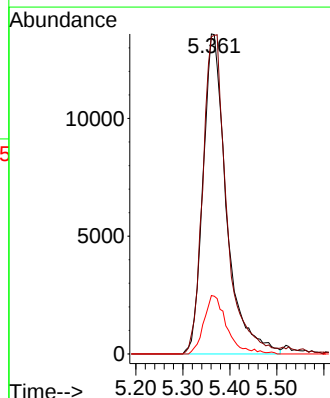
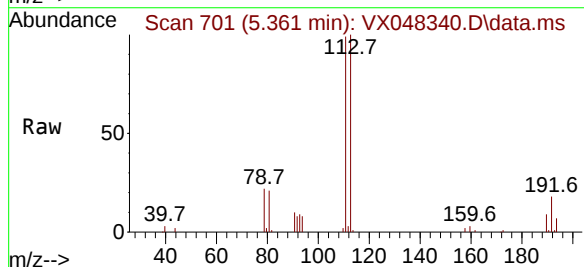
Tgt Ion:113 Resp: 46939

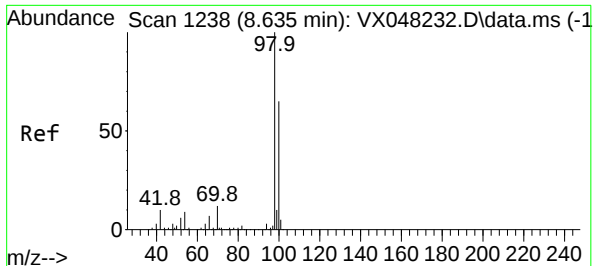
Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

192 18.0 15.1 22.7





#50

Toluene-d8

Concen: 43.114 ug/l

RT: 8.628 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX048340.D

Acq: 24 Oct 2025 09:48

Instrument :

MSVOA_X

ClientSampleId :

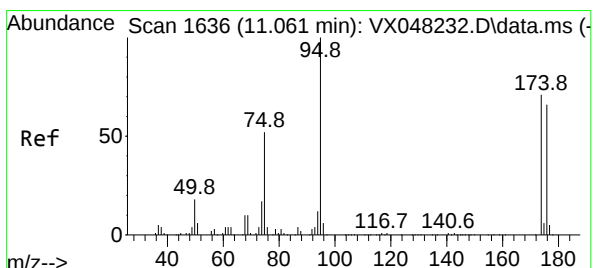
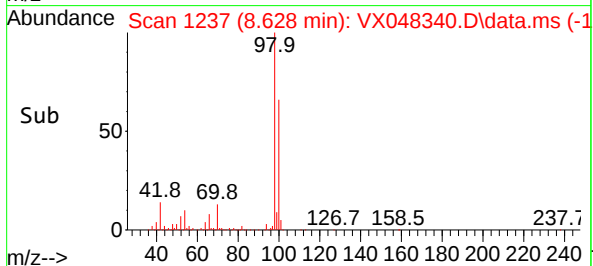
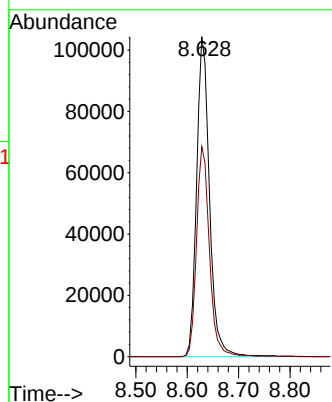
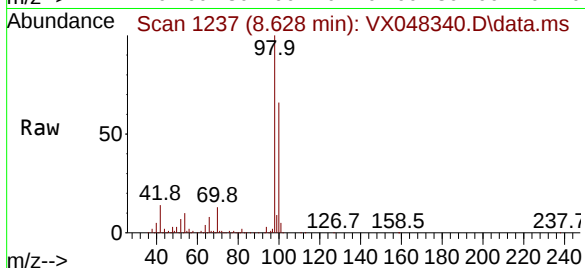
VX1024WBL01

Tgt Ion: 98 Resp: 182081

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 42.703 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048340.D

Acq: 24 Oct 2025 09:48

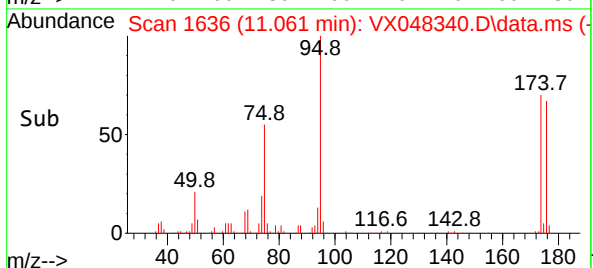
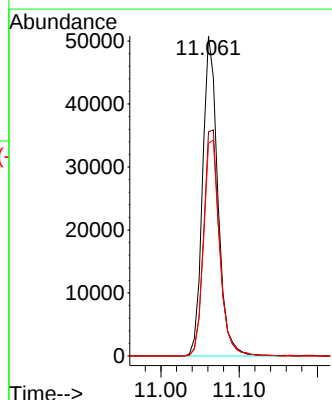
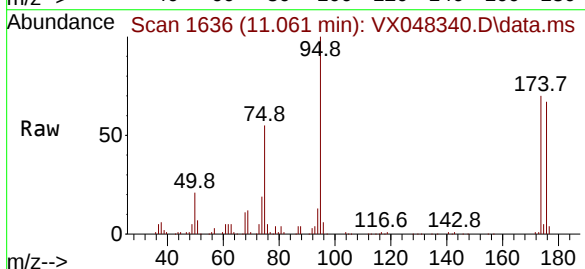
Tgt Ion: 95 Resp: 68609

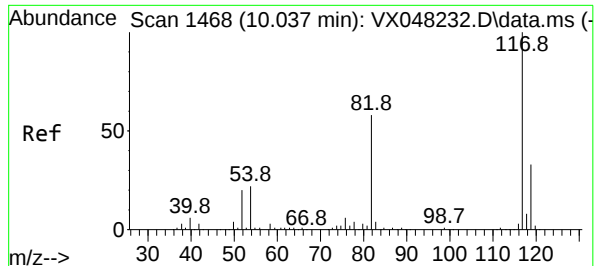
Ion Ratio Lower Upper

95 100

174 73.6 0.0 147.8

176 71.0 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048340.D

Acq: 24 Oct 2025 09:48

Instrument :

MSVOA_X

ClientSampleId :

VX1024WBL01

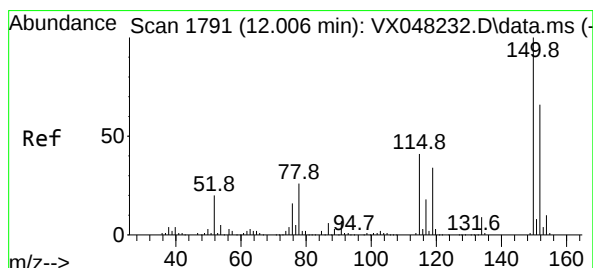
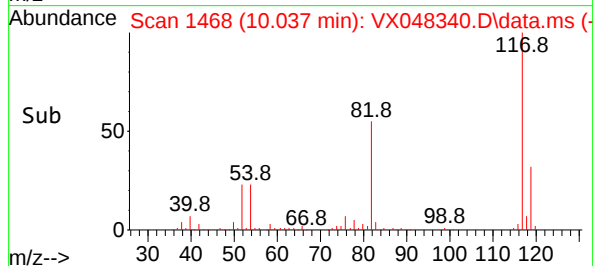
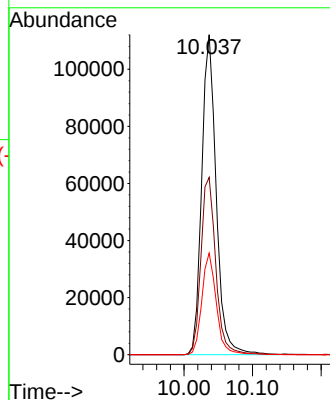
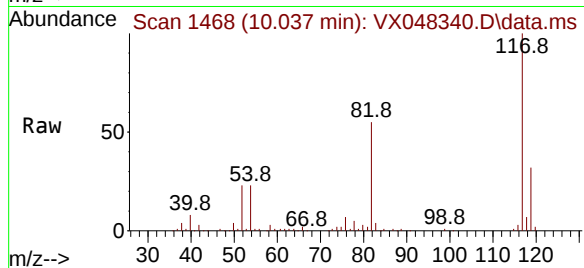
Tgt Ion:117 Resp: 165587

Ion Ratio Lower Upper

117 100

82 55.4 46.5 69.7

119 31.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048340.D

Acq: 24 Oct 2025 09:48

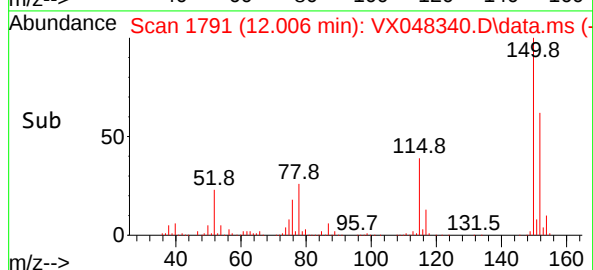
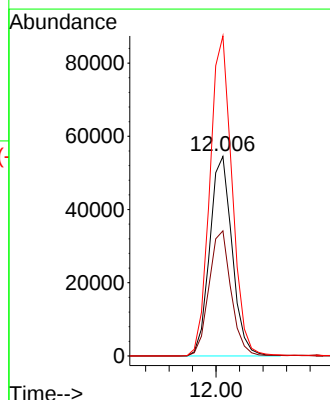
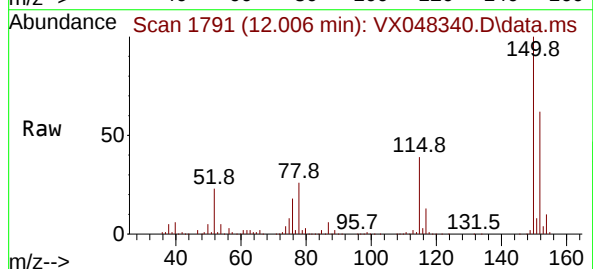
Tgt Ion:152 Resp: 72164

Ion Ratio Lower Upper

152 100

115 61.9 43.1 129.4

150 159.8 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048283.D
 Acq On : 22 Oct 2025 09:53
 Operator : JC/MD
 Sample : VX1022WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 05:51:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	115938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	185153	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	172449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	91086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	81572	50.182	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.360%			
35) Dibromofluoromethane	5.373	113	64382	50.934	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	8.629	98	224820	50.743	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.480%			
62) 4-Bromofluorobenzene	11.061	95	88327	52.404	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	22868	19.187	ug/l	95
3) Chloromethane	1.301	50	18787	16.887	ug/l	97
4) Vinyl Chloride	1.380	62	16907	16.412	ug/l	100
5) Bromomethane	1.618	94	12759	18.250	ug/l	92
6) Chloroethane	1.697	64	10602	17.514	ug/l	94
7) Trichlorofluoromethane	1.892	101	36946	18.700	ug/l	98
8) Diethyl Ether	2.130	74	9583	17.238	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.337	101	22281	17.809	ug/l	93
10) Methyl Iodide	2.453	142	29719	18.895	ug/l	98
11) Tert butyl alcohol	2.934	59	13125	81.322	ug/l	98
12) 1,1-Dichloroethene	2.325	96	22236	18.268	ug/l	89
13) Acrolein	2.233	56	18404	111.807	ug/l	100
14) Allyl chloride	2.666	41	34300	16.973	ug/l	94
15) Acrylonitrile	3.056	53	51470	88.440	ug/l	98
16) Acetone	2.374	43	49714	89.149	ug/l	94
17) Carbon Disulfide	2.514	76	61537	16.041	ug/l	98
18) Methyl Acetate	2.697	43	19682	16.900	ug/l #	90
19) Methyl tert-butyl Ether	3.105	73	76499	18.423	ug/l	98
20) Methylene Chloride	2.788	84	25627	18.860	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	24665	18.448	ug/l	97
22) Diisopropyl ether	3.745	45	74217	18.413	ug/l #	82
23) Vinyl Acetate	3.709	43	293391	91.123	ug/l	95
24) 1,1-Dichloroethane	3.605	63	44644	18.318	ug/l	98
25) 2-Butanone	4.538	43	62637	88.741	ug/l	94
26) 2,2-Dichloropropane	4.459	77	42168	19.169	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	29422	18.855	ug/l	97
28) Bromochloromethane	4.885	49	18103	17.914	ug/l #	80
29) Tetrahydrofuran	4.983	42	35783	84.647	ug/l	90
30) Chloroform	5.074	83	50484	19.388	ug/l	96
31) Cyclohexane	5.452	56	36067	17.875	ug/l	89
32) 1,1,1-Trichloroethane	5.367	97	45607	19.005	ug/l	98
36) 1,1-Dichloropropene	5.678	75	32884	18.304	ug/l	99
37) Ethyl Acetate	4.702	43	25793	17.321	ug/l	96
38) Carbon Tetrachloride	5.660	117	41818	18.866	ug/l	97
39) Methylcyclohexane	7.367	83	37971	17.896	ug/l	93
40) Benzene	6.019	78	98700	18.922	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048283.D
 Acq On : 22 Oct 2025 09:53
 Operator : JC/MD
 Sample : VX1022WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 05:51:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	13641	17.443	ug/l	95
42) 1,2-Dichloroethane	6.068	62	39202	20.367	ug/l	99
43) Isopropyl Acetate	6.318	43	43873	17.936	ug/l	97
44) Trichloroethene	7.111	130	26617	19.325	ug/l	99
45) 1,2-Dichloropropane	7.415	63	23590	19.022	ug/l	93
46) Dibromomethane	7.568	93	18429	19.074	ug/l	92
47) Bromodichloromethane	7.799	83	40507	19.417	ug/l	96
48) Methyl methacrylate	7.677	41	21757	17.627	ug/l	93
49) 1,4-Dioxane	7.641	88	5789	355.001	ug/l	91
51) 4-Methyl-2-Pentanone	8.555	43	128509	91.119	ug/l	96
52) Toluene	8.702	92	64846	19.569	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	39352	19.575	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	41608	19.183	ug/l	95
55) 1,1,2-Trichloroethane	9.135	97	24236	19.667	ug/l	96
56) Ethyl methacrylate	9.098	69	32337	17.941	ug/l	98
57) 1,3-Dichloropropane	9.293	76	40790	19.378	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	82301	86.039	ug/l	96
59) 2-Hexanone	9.415	43	91212	92.750	ug/l	95
60) Dibromochloromethane	9.500	129	32118	19.391	ug/l	98
61) 1,2-Dibromoethane	9.592	107	25567	19.461	ug/l	100
64) Tetrachloroethene	9.256	164	23106	17.948	ug/l	96
65) Chlorobenzene	10.061	112	74866	19.299	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	27221	19.105	ug/l	99
67) Ethyl Benzene	10.177	91	123704	18.730	ug/l	95
68) m/p-Xylenes	10.287	106	96187	39.196	ug/l	99
69) o-Xylene	10.622	106	45915	19.380	ug/l	100
70) Styrene	10.640	104	81400	20.178	ug/l	99
71) Bromoform	10.781	173	21486	18.867	ug/l #	97
73) Isopropylbenzene	10.945	105	121492	18.261	ug/l	98
74) N-amyl acetate	10.823	43	39294	16.651	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.195	83	32943	18.132	ug/l	97
76) 1,2,3-Trichloropropane	11.220	75	30421m	20.595	ug/l	
77) Bromobenzene	11.183	156	30904	18.526	ug/l	91
78) n-propylbenzene	11.287	91	142548	18.506	ug/l	98
79) 2-Chlorotoluene	11.348	91	87720	18.783	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	102516	18.620	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	10045	16.545	ug/l	92
82) 4-Chlorotoluene	11.439	91	104284	18.810	ug/l	97
83) tert-Butylbenzene	11.695	119	105858	18.713	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	105149	19.137	ug/l	99
85) sec-Butylbenzene	11.872	105	122676	18.025	ug/l	100
86) p-Isopropyltoluene	11.988	119	107570	18.286	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	58833	18.708	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	60010	18.420	ug/l	98
89) n-Butylbenzene	12.317	91	93913	17.540	ug/l	99
90) Hexachloroethane	12.518	117	20129	17.328	ug/l	91
91) 1,2-Dichlorobenzene	12.317	146	55576	18.823	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	6490	17.598	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	35339	17.699	ug/l	99
94) Hexachlorobutadiene	13.707	225	13881	18.594	ug/l	97
95) Naphthalene	13.756	128	96835	18.305	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	33930	18.518	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048283.D
Acq On : 22 Oct 2025 09:53
Operator : JC/MD
Sample : VX1022WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 05:51:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

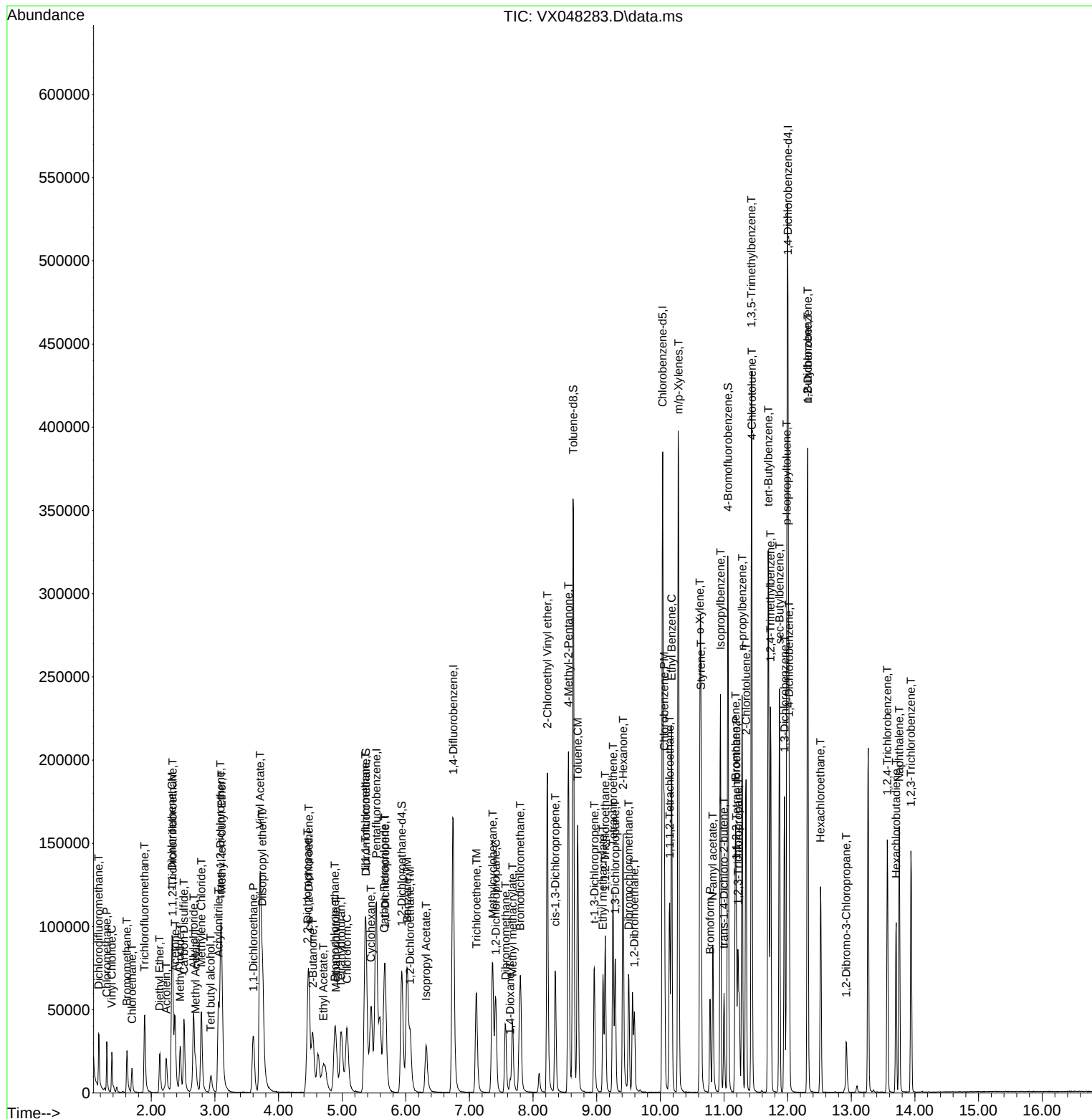
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048283.D
Acq On : 22 Oct 2025 09:53
Operator : JC/MD
Sample : VX1022WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 05:51:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
 Data File : VX048341.D
 Acq On : 24 Oct 2025 10:15
 Operator : JC/MD
 Sample : VX1024WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 10/27/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 23:00:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	145979	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.744	114	238661	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	208902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.933	65	104947	51.275	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.560%			
35) Dibromofluoromethane	5.367	113	67722	41.564	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 83.120%			
50) Toluene-d8	8.628	98	283427	49.629	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.260%			
62) 4-Bromofluorobenzene	11.061	95	105010	48.334	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	27195	18.122	ug/l	94
3) Chloromethane	1.300	50	14115	10.077	ug/l	93
4) Vinyl Chloride	1.379	62	36112	27.840	ug/l	98
5) Bromomethane	1.617	94	12608	14.323	ug/l	92
6) Chloroethane	1.696	64	21902	28.735	ug/l	95
7) Trichlorofluoromethane	1.898	101	61799	24.842	ug/l	98
8) Diethyl Ether	2.129	74	20019	28.600	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	33915	21.529	ug/l	99
10) Methyl Iodide	2.458	142	121848	61.528	ug/l	98
11) Tert butyl alcohol	2.934	59	16210	79.768	ug/l	98
12) 1,1-Dichloroethene	2.324	96	31747	20.715	ug/l	98
13) Acrolein	2.233	56	25338	122.255	ug/l	100
14) Allyl chloride	2.666	41	54311	21.344	ug/l	95
15) Acrylonitrile	3.056	53	70500	96.210	ug/l	99
16) Acetone	2.367	43	48526	69.111	ug/l	98
17) Carbon Disulfide	2.513	76	88439	18.310	ug/l	98
18) Methyl Acetate	2.696	43	29292	19.976	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	105877	20.250	ug/l	100
20) Methylene Chloride	2.788	84	34512	20.172	ug/l	98
21) trans-1,2-Dichloroethene	3.086	96	34044	20.223	ug/l	98
22) Diisopropyl ether	3.745	45	118430	23.336	ug/l	99
23) Vinyl Acetate	3.708	43	423009	104.344	ug/l	99
24) 1,1-Dichloroethane	3.599	63	65078	21.207	ug/l	98
25) 2-Butanone	4.531	43	75222	84.639	ug/l	95
26) 2,2-Dichloropropane	4.464	77	56864	20.530	ug/l	98
27) cis-1,2-Dichloroethene	4.476	96	39206	19.955	ug/l	96
28) Bromochloromethane	4.879	49	27053	21.261	ug/l	97
29) Tetrahydrofuran	4.982	42	51748	97.222	ug/l	99
30) Chloroform	5.074	83	68186	20.797	ug/l	99
31) Cyclohexane	5.452	56	57458	22.616	ug/l	89
32) 1,1,1-Trichloroethane	5.367	97	62899	20.816	ug/l	98
36) 1,1-Dichloropropene	5.677	75	46219	19.958	ug/l	96
37) Ethyl Acetate	4.690	43	41061	21.391	ug/l #	95
38) Carbon Tetrachloride	5.659	117	52919	18.522	ug/l	95
39) Methylcyclohexane	7.366	83	56949	20.823	ug/l	98
40) Benzene	6.019	78	135581	20.165	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
 Data File : VX048341.D
 Acq On : 24 Oct 2025 10:15
 Operator : JC/MD
 Sample : VX1024WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1024WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 23:00:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	20984	20.817	ug/l	98
42) 1,2-Dichloroethane	6.068	62	52014	20.965	ug/l	99
43) Isopropyl Acetate	6.318	43	68756	21.807	ug/l	99
44) Trichloroethene	7.104	130	34170	19.247	ug/l	98
45) 1,2-Dichloropropane	7.409	63	33220	20.781	ug/l	99
46) Dibromomethane	7.561	93	24750	19.873	ug/l	98
47) Bromodichloromethane	7.805	83	52628	19.571	ug/l	99
48) Methyl methacrylate	7.677	41	33315	20.939	ug/l	96
49) 1,4-Dioxane	7.641	88	7180	341.585	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	189499	104.240	ug/l	99
52) Toluene	8.701	92	84824	19.859	ug/l	98
53) t-1,3-Dichloropropene	8.963	75	49569	19.129	ug/l	96
54) cis-1,3-Dichloropropene	8.348	75	52191	18.668	ug/l	95
55) 1,1,2-Trichloroethane	9.134	97	31755	19.991	ug/l	95
56) Ethyl methacrylate	9.098	69	45976	19.789	ug/l	97
57) 1,3-Dichloropropane	9.293	76	53530	19.729	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	118629	96.012	ug/l	99
59) 2-Hexanone	9.415	43	125025	98.630	ug/l	98
60) Dibromochloromethane	9.506	129	38132	17.861	ug/l	99
61) 1,2-Dibromoethane	9.591	107	32346	19.101	ug/l	98
64) Tetrachloroethene	9.256	164	32600	20.904	ug/l	97
65) Chlorobenzene	10.061	112	93252	19.844	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	32783	18.993	ug/l	99
67) Ethyl Benzene	10.177	91	163786	20.471	ug/l	99
68) m/p-Xylenes	10.286	106	122538	41.221	ug/l	99
69) o-Xylene	10.622	106	57644	20.085	ug/l	100
70) Styrene	10.640	104	98123	20.079	ug/l	98
71) Bromoform	10.780	173	23162	16.790	ug/l #	99
73) Isopropylbenzene	10.945	105	156349	20.669	ug/l	100
74) N-amyl acetate	10.823	43	58990	21.985	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	39902	19.317	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	35869m	21.358	ug/l	
77) Bromobenzene	11.176	156	36110	19.039	ug/l	98
78) n-propylbenzene	11.286	91	186273	21.269	ug/l	99
79) 2-Chlorotoluene	11.347	91	111240	20.949	ug/l	98
80) 1,3,5-Trimethylbenzene	11.432	105	129782	20.733	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	8393	12.159	ug/l #	53
82) 4-Chlorotoluene	11.432	91	129943	20.615	ug/l	100
83) tert-Butylbenzene	11.695	119	128952	20.049	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	129443	20.720	ug/l	99
85) sec-Butylbenzene	11.871	105	165405	21.376	ug/l	99
86) p-Isopropyltoluene	11.987	119	137775	20.599	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	68516	19.162	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	69433	18.745	ug/l	99
89) n-Butylbenzene	12.316	91	127603	20.961	ug/l	100
90) Hexachloroethane	12.518	117	22551	17.074	ug/l	99
91) 1,2-Dichlorobenzene	12.316	146	64650	19.258	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7646	18.235	ug/l	92
93) 1,2,4-Trichlorobenzene	13.566	180	42595	18.762	ug/l	100
94) Hexachlorobutadiene	13.706	225	18776	22.108	ug/l	95
95) Naphthalene	13.755	128	112756	18.747	ug/l	100
96) 1,2,3-Trichlorobenzene	13.944	180	39822	19.115	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
Data File : VX048341.D
Acq On : 24 Oct 2025 10:15
Operator : JC/MD
Sample : VX1024WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 23:00:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

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

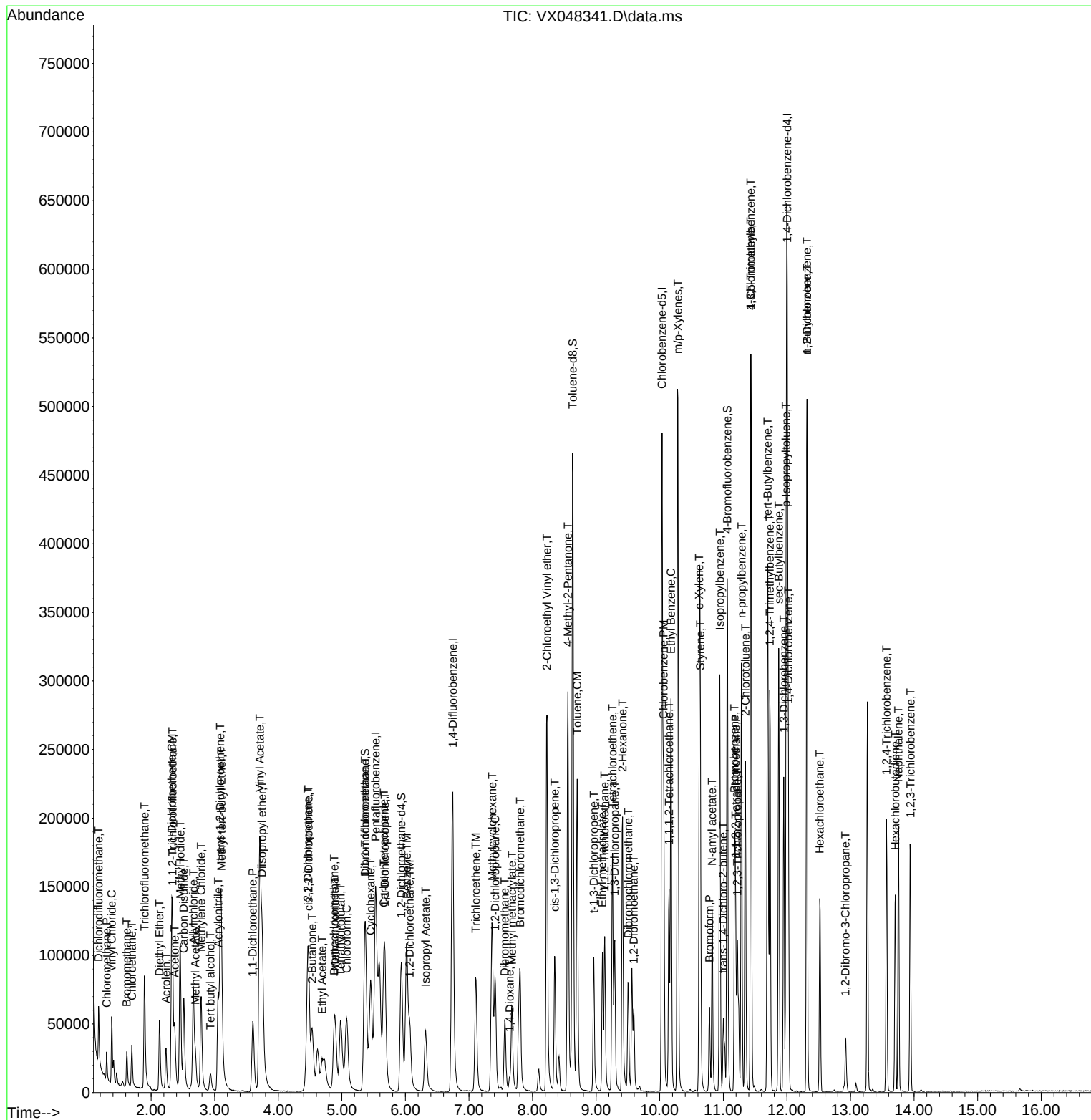
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Data File : VX048341.D
Acq On : 24 Oct 2025 10:15
Operator : JC/MD
Sample : VX1024WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1024WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/27/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 23:00:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048284.D
 Acq On : 22 Oct 2025 10:18
 Operator : JC/MD
 Sample : VX1022WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 05:52:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	120104	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	195961	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	180624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	92297	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.934	65	82990	49.283	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.560%
35) Dibromofluoromethane	5.367	113	65947	49.295	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.580%
50) Toluene-d8	8.629	98	230741	49.207	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.420%
62) 4-Bromofluorobenzene	11.061	95	88101	49.387	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.780%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	23340	18.904	ug/l	96
3) Chloromethane	1.301	50	22183	19.248	ug/l	98
4) Vinyl Chloride	1.380	62	18991	17.795	ug/l	99
5) Bromomethane	1.618	94	12429	17.161	ug/l	99
6) Chloroethane	1.697	64	10355	16.512	ug/l #	86
7) Trichlorofluoromethane	1.898	101	36108	17.642	ug/l	96
8) Diethyl Ether	2.136	74	9485	16.470	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.337	101	23134	17.849	ug/l	95
10) Methyl Iodide	2.453	142	29973	18.396	ug/l	97
11) Tert butyl alcohol	2.941	59	12474	74.608	ug/l	98
12) 1,1-Dichloroethene	2.325	96	21375	16.952	ug/l	89
13) Acrolein	2.233	56	17626	103.366	ug/l	94
14) Allyl chloride	2.666	41	34578	16.517	ug/l	95
15) Acrylonitrile	3.056	53	51590	85.572	ug/l	99
16) Acetone	2.374	43	48392	83.768	ug/l	95
17) Carbon Disulfide	2.514	76	60156	15.137	ug/l	96
18) Methyl Acetate	2.697	43	20120	16.677	ug/l	96
19) Methyl tert-butyl Ether	3.105	73	76922	17.882	ug/l	95
20) Methylene Chloride	2.788	84	25251	17.939	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	23986	17.318	ug/l	97
22) Diisopropyl ether	3.751	45	76447	18.308	ug/l	95
23) Vinyl Acetate	3.709	43	296196	88.804	ug/l	95
24) 1,1-Dichloroethane	3.605	63	44297	17.545	ug/l	99
25) 2-Butanone	4.538	43	64935	88.805	ug/l	96
26) 2,2-Dichloropropane	4.459	77	41209	18.083	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	29677	18.359	ug/l	99
28) Bromochloromethane	4.885	49	19339	18.473	ug/l	85
29) Tetrahydrofuran	4.983	42	38740	88.463	ug/l	92
30) Chloroform	5.074	83	51696	19.165	ug/l	99
31) Cyclohexane	5.458	56	38986	18.651	ug/l	93
32) 1,1,1-Trichloroethane	5.367	97	46741	18.802	ug/l	99
36) 1,1-Dichloropropene	5.678	75	34395	18.089	ug/l	99
37) Ethyl Acetate	4.696	43	26522	16.828	ug/l #	95
38) Carbon Tetrachloride	5.666	117	42819	18.252	ug/l	98
39) Methylcyclohexane	7.367	83	40011	17.817	ug/l	93
40) Benzene	6.019	78	102728	18.608	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048284.D
 Acq On : 22 Oct 2025 10:18
 Operator : JC/MD
 Sample : VX1022WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 05:52:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	15325	18.516	ug/l	97
42) 1,2-Dichloroethane	6.068	62	39959	19.615	ug/l	100
43) Isopropyl Acetate	6.324	43	47991	18.537	ug/l #	94
44) Trichloroethene	7.111	130	27345	18.759	ug/l	89
45) 1,2-Dichloropropane	7.415	63	25354	19.317	ug/l	97
46) Dibromomethane	7.568	93	20155	19.710	ug/l	93
47) Bromodichloromethane	7.806	83	43009	19.480	ug/l	97
48) Methyl methacrylate	7.678	41	24768	18.959	ug/l	95
49) 1,4-Dioxane	7.647	88	6857	397.302	ug/l	93
51) 4-Methyl-2-Pentanone	8.555	43	143580	96.190	ug/l	98
52) Toluene	8.702	92	68859	19.634	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	42100	19.787	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	43961	19.150	ug/l	91
55) 1,1,2-Trichloroethane	9.135	97	26128	20.033	ug/l	96
56) Ethyl methacrylate	9.098	69	37038	19.415	ug/l	94
57) 1,3-Dichloropropane	9.293	76	44479	19.965	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	87997	86.903	ug/l	95
59) 2-Hexanone	9.415	43	100647	96.700	ug/l	96
60) Dibromochloromethane	9.500	129	33589	19.161	ug/l	99
61) 1,2-Dibromoethane	9.592	107	28498	20.496	ug/l	93
64) Tetrachloroethene	9.257	164	24658	18.287	ug/l	91
65) Chlorobenzene	10.061	112	77769	19.140	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	28328	18.982	ug/l	99
67) Ethyl Benzene	10.177	91	129701	18.749	ug/l	99
68) m/p-Xylenes	10.287	106	99982	38.899	ug/l	99
69) o-Xylene	10.622	106	47318	19.068	ug/l	100
70) Styrene	10.634	104	82638	19.558	ug/l	100
71) Bromoform	10.781	173	22550	18.905	ug/l #	99
73) Isopropylbenzene	10.945	105	124929	18.532	ug/l	100
74) N-amyl acetate	10.823	43	42802	17.899	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	34771	18.887	ug/l	97
76) 1,2,3-Trichloropropane	11.220	75	31727m	21.197	ug/l	
77) Bromobenzene	11.177	156	31977	18.917	ug/l	93
78) n-propylbenzene	11.287	91	146740	18.800	ug/l	98
79) 2-Chlorotoluene	11.348	91	90136	19.047	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	105222	18.861	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	10645	17.303	ug/l	96
82) 4-Chlorotoluene	11.433	91	105630	18.803	ug/l	96
83) tert-Butylbenzene	11.695	119	107485	18.752	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	107910	19.382	ug/l	99
85) sec-Butylbenzene	11.872	105	126036	18.276	ug/l	100
86) p-Isopropyltoluene	11.988	119	109030	18.291	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	58821	18.459	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	60184	18.231	ug/l	98
89) n-Butylbenzene	12.317	91	93633	17.258	ug/l	98
90) Hexachloroethane	12.518	117	19578	16.632	ug/l	94
91) 1,2-Dichlorobenzene	12.317	146	54904	18.351	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	6427	17.199	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	33681	16.647	ug/l	97
94) Hexachlorobutadiene	13.707	225	13822	18.273	ug/l	97
95) Naphthalene	13.756	128	92069	17.176	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	33036	17.794	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
Data File : VX048284.D
Acq On : 22 Oct 2025 10:18
Operator : JC/MD
Sample : VX1022WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 05:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025

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

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/24/2025



Manual Integration Report

Sequence:	VX102025	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX048229.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDICC001	VX048229.D	1,4-Dichlorobenzene	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDICC001	VX048229.D	Carbon Tetrachloride	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDICC001	VX048229.D	Ethyl Acetate	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDICC001	VX048229.D	Methacrylonitrile	JOHN	10/21/2025 8:03:22 AM	sam	10/21/2025 10:41:22 AM	Peak Integrated by Software
VSTDICC020	VX048231.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:30 AM	sam	10/21/2025 10:41:32 AM	Peak Integrated by Software
VSTDICCC050	VX048232.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:35 AM	sam	10/21/2025 10:41:38 AM	Peak Integrated by Software
VSTDICC100	VX048233.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:40 AM	sam	10/21/2025 10:42:36 AM	Peak Integrated by Software
VSTDICC150	VX048234.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:49 AM	sam	10/21/2025 10:43:04 AM	Peak Integrated by Software
VSTDICC005	VX048236.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:55 AM	sam	10/21/2025 10:41:42 AM	Peak Integrated by Software
VSTDICC005	VX048236.D	Ethyl Acetate	JOHN	10/21/2025 8:03:55 AM	sam	10/21/2025 10:41:42 AM	Peak Integrated by Software
VSTDICC005	VX048236.D	Methacrylonitrile	JOHN	10/21/2025 8:03:55 AM	sam	10/21/2025 10:41:42 AM	Peak Integrated by Software
VSTDICV050	VX048237.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:03:59 AM	sam	10/21/2025 10:41:51 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VX102025	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048250.D	1,2,3-Trichloropropane	JOHN	10/21/2025 8:04:26 AM	sam	10/21/2025 10:42:06 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	Vx102225	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048280.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:20:32 AM	MMDadoda	10/24/2025 2:35:08 PM	Peak Integrated by Software
VX1022WBS01	VX048283.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:20:36 AM	MMDadoda	10/24/2025 2:35:13 PM	Peak Integrated by Software
VX1022WBSD0 1	VX048284.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:20:45 AM	MMDadoda	10/24/2025 2:35:19 PM	Peak Integrated by Software
VSTDCCC050	VX048308.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:22:52 AM	MMDadoda	10/24/2025 2:35:30 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

vx102425

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048339.D	1,2,3-Trichloropropane	JOHN	10/27/2025 7:59:46 AM	MMDadoda	10/27/2025 2:52:39 PM	Peak Integrated by Software
VX1024WBS01	VX048341.D	1,2,3-Trichloropropane	JOHN	10/27/2025 7:59:52 AM	MMDadoda	10/27/2025 2:52:43 PM	Peak Integrated by Software
VSTDCCC050	VX048353.D	1,2,3-Trichloropropane	JOHN	10/27/2025 8:00:00 AM	MMDadoda	10/27/2025 2:52:51 PM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX102025

Review By	John Carlone	Review On	10/21/2025 8:15:04 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/21/2025 10:44:02 AM
SubDirectory	VX102025	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135849		
Initial Calibration Stds	VP135851,VP135852,VP135853,VP135854,VP135855,VP135856		
CCC	VP135850		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048226.D	20 Oct 2025 08:15	JC/MD	Ok
2	VSTDCCC050	VX048227.D	20 Oct 2025 10:13	JC/MD	Ok
3	IBLK	VX048228.D	20 Oct 2025 10:38	JC/MD	Not Ok
4	VSTDICC001	VX048229.D	20 Oct 2025 10:59	JC/MD	Ok,M
5	VSTDICC005	VX048230.D	20 Oct 2025 11:20	JC/MD	Not Ok
6	VSTDICC020	VX048231.D	20 Oct 2025 11:40	JC/MD	Ok,M
7	VSTDICCC050	VX048232.D	20 Oct 2025 12:01	JC/MD	Ok,M
8	VSTDICC100	VX048233.D	20 Oct 2025 12:22	JC/MD	Ok,M
9	VSTDICC150	VX048234.D	20 Oct 2025 12:43	JC/MD	Ok,M
10	IBLK	VX048235.D	20 Oct 2025 13:04	JC/MD	Ok
11	VSTDICC005	VX048236.D	20 Oct 2025 13:49	JC/MD	Ok,M
12	VSTDICV050	VX048237.D	20 Oct 2025 14:28	JC/MD	Ok,M
13	VX1020MBL01	VX048238.D	20 Oct 2025 14:56	JC/MD	Ok
14	VX1020WBL01	VX048239.D	20 Oct 2025 15:23	JC/MD	Ok
15	VX1020WBS01	VX048240.D	20 Oct 2025 15:50	JC/MD	Ok,M
16	Q3371-03	VX048241.D	20 Oct 2025 16:18	JC/MD	ReRun
17	Q3371-06	VX048242.D	20 Oct 2025 16:38	JC/MD	ReRun
18	Q3371-01	VX048243.D	20 Oct 2025 16:59	JC/MD	ReRun
19	Q3371-02	VX048244.D	20 Oct 2025 17:20	JC/MD	ReRun
20	Q3371-04	VX048245.D	20 Oct 2025 17:41	JC/MD	Ok
21	Q3371-05	VX048246.D	20 Oct 2025 18:02	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX102025

Review By	John Carlone	Review On	10/21/2025 8:15:04 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/21/2025 10:44:02 AM
SubDirectory	VX102025	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135849		
Initial Calibration Stds	VP135851,VP135852,VP135853,VP135854,VP135855,VP135856		
CCC	VP135850		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	VX1020WBSD01	VX048247.D	20 Oct 2025 18:22	JC/MD	Ok,M
23	VX1020MBS01	VX048248.D	20 Oct 2025 18:43	JC/MD	Ok,M
24	Q3390-01	VX048249.D	20 Oct 2025 19:04	JC/MD	Ok
25	VSTDCCC050	VX048250.D	20 Oct 2025 19:25	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX102225

Review By	John Carlone	Review On	10/24/2025 8:33:44 AM
Supervise By	Maresh Dadoda	Supervise On	10/24/2025 2:35:38 PM
SubDirectory	VX102225	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135885		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135886,VP135887		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048279.D	22 Oct 2025 08:07	JC/MD	Ok
2	VSTDCCC050	VX048280.D	22 Oct 2025 08:37	JC/MD	Ok,M
3	VX1022MBL01	VX048281.D	22 Oct 2025 09:05	JC/MD	Ok
4	VX1022WBL01	VX048282.D	22 Oct 2025 09:26	JC/MD	Ok
5	VX1022WBS01	VX048283.D	22 Oct 2025 09:53	JC/MD	Ok,M
6	VX1022WBSD01	VX048284.D	22 Oct 2025 10:18	JC/MD	Ok,M
7	Q3368-06	VX048285.D	22 Oct 2025 10:39	JC/MD	Ok
8	Q3368-07	VX048286.D	22 Oct 2025 11:00	JC/MD	Not Ok
9	Q3397-04	VX048287.D	22 Oct 2025 11:20	JC/MD	Ok,M
10	Q3368-07	VX048288.D	22 Oct 2025 11:41	JC/MD	Ok
11	Q3402-03	VX048289.D	22 Oct 2025 12:02	JC/MD	Ok
12	Q3402-06	VX048290.D	22 Oct 2025 12:23	JC/MD	ReRun
13	Q3402-09	VX048291.D	22 Oct 2025 12:43	JC/MD	ReRun
14	Q3402-12	VX048292.D	22 Oct 2025 13:04	JC/MD	ReRun
15	Q3403-04	VX048293.D	22 Oct 2025 13:25	JC/MD	ReRun
16	Q3412-04	VX048294.D	22 Oct 2025 13:46	JC/MD	ReRun
17	PB170173TB	VX048295.D	22 Oct 2025 14:06	JC/MD	Ok
18	Q3373-01	VX048296.D	22 Oct 2025 14:27	JC/MD	ReRun
19	Q3373-02	VX048297.D	22 Oct 2025 14:48	JC/MD	ReRun
20	Q3373-03	VX048298.D	22 Oct 2025 15:09	JC/MD	ReRun
21	Q3373-04	VX048299.D	22 Oct 2025 15:29	JC/MD	ReRun

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX102225

Review By	John Carlone	Review On	10/24/2025 8:33:44 AM
Supervise By	Maresh Dadoda	Supervise On	10/24/2025 2:35:38 PM
SubDirectory	VX102225	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135885		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135886,VP135887		

22	Q3399-04	VX048300.D	22 Oct 2025 15:50	JC/MD	ReRun
23	Q3402-06RE	VX048301.D	22 Oct 2025 16:11	JC/MD	Confirms
24	Q3402-09	VX048302.D	22 Oct 2025 16:32	JC/MD	Ok
25	Q3402-12RE	VX048303.D	22 Oct 2025 16:53	JC/MD	Confirms
26	Q3426-01	VX048304.D	22 Oct 2025 17:13	JC/MD	Not Ok
27	Q3426-02	VX048305.D	22 Oct 2025 17:34	JC/MD	Not Ok
28	Q3426-03	VX048306.D	22 Oct 2025 17:55	JC/MD	Not Ok
29	Q3426-04	VX048307.D	22 Oct 2025 18:16	JC/MD	Not Ok
30	VSTDCCC050	VX048308.D	22 Oct 2025 18:36	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX102425

Review By	John Carlone	Review On	10/27/2025 8:02:08 AM
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 2:53:02 PM
SubDirectory	VX102425	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135915		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135916,VP135917		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048338.D	24 Oct 2025 08:19	JC/MD	Ok
2	VSTDCCC050	VX048339.D	24 Oct 2025 09:16	JC/MD	Ok,M
3	VX1024WBL01	VX048340.D	24 Oct 2025 09:48	JC/MD	Ok
4	VX1024WBS01	VX048341.D	24 Oct 2025 10:15	JC/MD	Ok,M
5	VX1024WBSD01	VX048342.D	24 Oct 2025 10:43	JC/MD	Ok,M
6	Q3399-04RE	VX048343.D	24 Oct 2025 11:03	JC/MD	Confirms
7	Q3414-13DL	VX048344.D	24 Oct 2025 11:24	JC/MD	Ok
8	Q3414-11DL	VX048345.D	24 Oct 2025 11:45	JC/MD	Ok
9	Q3414-12DL	VX048346.D	24 Oct 2025 12:05	JC/MD	Ok
10	Q3403-04	VX048347.D	24 Oct 2025 12:26	JC/MD	Ok
11	Q3412-04	VX048348.D	24 Oct 2025 12:47	JC/MD	Ok
12	IBLK	VX048349.D	24 Oct 2025 13:07	JC/MD	Ok
13	Q3454-01	VX048350.D	24 Oct 2025 14:47	JC/MD	Not Ok
14	Q3464-01	VX048351.D	24 Oct 2025 15:08	JC/MD	ReRun
15	Q3464-02	VX048352.D	24 Oct 2025 15:28	JC/MD	ReRun
16	VSTDCCC050	VX048353.D	24 Oct 2025 15:49	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX102025

Review By	John Carlone	Review On	10/21/2025 8:15:04 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/21/2025 10:44:02 AM
SubDirectory	VX102025	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135849		
Initial Calibration Stds	VP135851,VP135852,VP135853,VP135854,VP135855,VP135856		
CCC	VP135850		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048226.D	20 Oct 2025 08:15		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048227.D	20 Oct 2025 10:13		JC/MD	Ok
3	IBLK	IBLK	VX048228.D	20 Oct 2025 10:38		JC/MD	Not Ok
4	VSTDICC001	VSTDICC001	VX048229.D	20 Oct 2025 10:59	LR-58,94	JC/MD	Ok,M
5	VSTDICC005	VSTDICC005	VX048230.D	20 Oct 2025 11:20		JC/MD	Not Ok
6	VSTDICC020	VSTDICC020	VX048231.D	20 Oct 2025 11:40		JC/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VX048232.D	20 Oct 2025 12:01		JC/MD	Ok,M
8	VSTDICC100	VSTDICC100	VX048233.D	20 Oct 2025 12:22		JC/MD	Ok,M
9	VSTDICC150	VSTDICC150	VX048234.D	20 Oct 2025 12:43		JC/MD	Ok,M
10	IBLK	IBLK	VX048235.D	20 Oct 2025 13:04		JC/MD	Ok
11	VSTDICC005	VSTDICC005	VX048236.D	20 Oct 2025 13:49		JC/MD	Ok,M
12	VSTDICV050	ICVVX102025	VX048237.D	20 Oct 2025 14:28	pH#Lot#V12668	JC/MD	Ok,M
13	VX1020MBL01	VX1020MBL01	VX048238.D	20 Oct 2025 14:56		JC/MD	Ok
14	VX1020WBL01	VX1020WBL01	VX048239.D	20 Oct 2025 15:23		JC/MD	Ok
15	VX1020WBS01	VX1020WBS01	VX048240.D	20 Oct 2025 15:50		JC/MD	Ok,M
16	Q3371-03	VPB184-HYD-2025101	VX048241.D	20 Oct 2025 16:18	vial A pH<2 Surrogate Fail	JC/MD	ReRun
17	Q3371-06	VPB184-HYD-2025101	VX048242.D	20 Oct 2025 16:38	vial A pH<2 Surrogate Fail	JC/MD	ReRun
18	Q3371-01	BP-VPB-184-TB-20251	VX048243.D	20 Oct 2025 16:59	vial A pH<2 TB; Surrogate Fail	JC/MD	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX102025

Review By	John Carlone	Review On	10/21/2025 8:15:04 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/21/2025 10:44:02 AM
SubDirectory	VX102025	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135849		
Initial Calibration Stds	VP135851,VP135852,VP135853,VP135854,VP135855,VP135856		
CCC	VP135850		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q3371-02	BP-VPB-184-EB-20251	VX048244.D	20 Oct 2025 17:20	vial A pH<2 EB; Surrogate Fail; Hit of com.#16	JC/MD	ReRun
20	Q3371-04	BP-VPB-184-GW-915-9	VX048245.D	20 Oct 2025 17:41	vial A pH<2	JC/MD	Ok
21	Q3371-05	BP-VPB-184-GW-920-9	VX048246.D	20 Oct 2025 18:02	vial A pH<2	JC/MD	Ok
22	VX1020WBSD01	VX1020WBSD01	VX048247.D	20 Oct 2025 18:22		JC/MD	Ok,M
23	VX1020MBS01	VX1020MBS01	VX048248.D	20 Oct 2025 18:43		JC/MD	Ok,M
24	Q3390-01	4174	VX048249.D	20 Oct 2025 19:04	cloth material	JC/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VX048250.D	20 Oct 2025 19:25		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX102225

Review By	John Carlone	Review On	10/24/2025 8:33:44 AM
Supervise By	Maresh Dadoda	Supervise On	10/24/2025 2:35:38 PM
SubDirectory	VX102225	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135885		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135886,VP135887		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048279.D	22 Oct 2025 08:07		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048280.D	22 Oct 2025 08:37	pH#Lot#V12668	JC/MD	Ok,M
3	VX1022MBL01	VX1022MBL01	VX048281.D	22 Oct 2025 09:05		JC/MD	Ok
4	VX1022WBL01	VX1022WBL01	VX048282.D	22 Oct 2025 09:26		JC/MD	Ok
5	VX1022WBS01	VX1022WBS01	VX048283.D	22 Oct 2025 09:53		JC/MD	Ok,M
6	VX1022WBSD01	VX1022WBSD01	VX048284.D	22 Oct 2025 10:18		JC/MD	Ok,M
7	Q3368-06	OUTSIDE-DUMPSTER	VX048285.D	22 Oct 2025 10:39	vial A pH#5.0	JC/MD	Ok
8	Q3368-07	PRESS-SLUDGE	VX048286.D	22 Oct 2025 11:00	not purge; RT Shifted	JC/MD	Not Ok
9	Q3397-04	TP-7-WC	VX048287.D	22 Oct 2025 11:20	vial A pH#5.0	JC/MD	Ok,M
10	Q3368-07	PRESS-SLUDGE	VX048288.D	22 Oct 2025 11:41	vial A pH#5.0 foamy sample	JC/MD	Ok
11	Q3402-03	41-LA	VX048289.D	22 Oct 2025 12:02	vial A pH#5.0	JC/MD	Ok
12	Q3402-06	41-RA	VX048290.D	22 Oct 2025 12:23	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
13	Q3402-09	41-LB	VX048291.D	22 Oct 2025 12:43	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
14	Q3402-12	41-RB	VX048292.D	22 Oct 2025 13:04	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
15	Q3403-04	MH-18	VX048293.D	22 Oct 2025 13:25	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
16	Q3412-04	TP-6	VX048294.D	22 Oct 2025 13:46	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
17	PB170173TB	PB170173TB	VX048295.D	22 Oct 2025 14:06		JC/MD	Ok
18	Q3373-01	STORAGE-BLANK-SO	VX048296.D	22 Oct 2025 14:27	vial A pH<2 Surrogate fail	JC/MD	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX102225

Review By	John Carlone	Review On	10/24/2025 8:33:44 AM
Supervise By	Maresh Dadoda	Supervise On	10/24/2025 2:35:38 PM
SubDirectory	VX102225	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135885		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135886,VP135887		

19	Q3373-02	STORAGE-BLANK-WA	VX048297.D	22 Oct 2025 14:48	vial A pH<2 Surrogate fail	JC/MD	ReRun
20	Q3373-03	STORAGE-BLANK-WA	VX048298.D	22 Oct 2025 15:09	vial A pH<2 Surrogate fail	JC/MD	ReRun
21	Q3373-04	STORAGE-BLANK-SAI	VX048299.D	22 Oct 2025 15:29	vial A pH<2 Surrogate fail	JC/MD	ReRun
22	Q3399-04	COMP-ROLLOFF	VX048300.D	22 Oct 2025 15:50	vial A pH#5.0 Surrogate fail	JC/MD	ReRun
23	Q3402-06RE	41-RARE	VX048301.D	22 Oct 2025 16:11	vial B pH#5.0 Surrogate fail	JC/MD	Confirms
24	Q3402-09	41-LB	VX048302.D	22 Oct 2025 16:32	vial B pH#5.0	JC/MD	Ok
25	Q3402-12RE	41-RBRE	VX048303.D	22 Oct 2025 16:53	vial B pH#5.0 Surrogate fail	JC/MD	Confirms
26	Q3426-01	TWP2	VX048304.D	22 Oct 2025 17:13	Run @ Lower Dilution	JC/MD	Not Ok
27	Q3426-02	TWP3	VX048305.D	22 Oct 2025 17:34	Run @ Lower Dilution; Surrogate Fail	JC/MD	Not Ok
28	Q3426-03	TWP5	VX048306.D	22 Oct 2025 17:55	Run @ Lower Dilution; Surrogate Fail	JC/MD	Not Ok
29	Q3426-04	MW2	VX048307.D	22 Oct 2025 18:16	Run @ Lower Dilution	JC/MD	Not Ok
30	VSTDCCC050	VSTDCCC050EC	VX048308.D	22 Oct 2025 18:36		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX102425

Review By	John Carlone	Review On	10/27/2025 8:02:08 AM
Supervise By	Maresh Dadoda	Supervise On	10/27/2025 2:53:02 PM
SubDirectory	VX102425	HP Acquire Method	HP Processing Method 82X102025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135915		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135916,VP135917		

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048338.D	24 Oct 2025 08:19		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048339.D	24 Oct 2025 09:16	CCC Failed Low For Com.#03,16	JC/MD	Ok,M
3	VX1024WBL01	VX1024WBL01	VX048340.D	24 Oct 2025 09:48	Surrogate fail for DOD	JC/MD	Ok
4	VX1024WBS01	VX1024WBS01	VX048341.D	24 Oct 2025 10:15		JC/MD	Ok,M
5	VX1024WBSD01	VX1024WBSD01	VX048342.D	24 Oct 2025 10:43		JC/MD	Ok,M
6	Q3399-04RE	COMP-ROLLOFFRE	VX048343.D	24 Oct 2025 11:03	vial B pH#5.0,BI Fail	JC/MD	Confirms
7	Q3414-13DL	SB-13DL	VX048344.D	24 Oct 2025 11:24	vial B pH#5.0	JC/MD	Ok
8	Q3414-11DL	SB-11DL	VX048345.D	24 Oct 2025 11:45	vial B pH#5.0	JC/MD	Ok
9	Q3414-12DL	SB-12DL	VX048346.D	24 Oct 2025 12:05	vial B pH#5.0	JC/MD	Ok
10	Q3403-04	MH-18	VX048347.D	24 Oct 2025 12:26	vial B pH#5.0	JC/MD	Ok
11	Q3412-04	TP-6	VX048348.D	24 Oct 2025 12:47	vial B pH#5.0	JC/MD	Ok
12	IBLK	IBLK	VX048349.D	24 Oct 2025 13:07		JC/MD	Ok
13	Q3454-01	101625	VX048350.D	24 Oct 2025 14:47	Surrogate fail; Run @ lower dilution	JC/MD	Not Ok
14	Q3464-01	MW2	VX048351.D	24 Oct 2025 15:08	vial A pH<2 CCC Failed Low, BS;BSD Failed Low	JC/MD	ReRun
15	Q3464-02	MW3	VX048352.D	24 Oct 2025 15:28	vial A pH<2 Surrogate fail; CCC Failed Low, BS;BSD Failed Low	JC/MD	ReRun
16	VSTDCCC050	VSTDCCC050EC	VX048353.D	24 Oct 2025 15:49		JC/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3399	OrderDate:	10/20/2025 1:23:08 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3399-03	COMP-ROLLOFF	SOIL	VOC-TCLVOA-10	8260D	10/20/25		10/21/25	10/20/25
Q3399-04	COMP-ROLLOFF	TCLP	TCLP VOA	8260D	10/20/25		10/22/25	10/20/25
Q3399-04RE	COMP-ROLLOFFRE	TCLP	TCLP VOA	8260D	10/20/25		10/24/25	10/20/25

SOP ID : M1311-TCLP-16
SDG No : N/A
Weigh By : JP
Balance ID : WC SC-7
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pipette ID : WC
Tumbler ID : ZHE-1 / ZHE-2
TCLP Filter ID : 60828725

Start Prep Date : 10/21/2025 **Time :** 14:00
End Prep Date : 10/22/2025 **Time :** 07:20
Combination Ratio : 20
ZHE Cleaning Batch : N/A 18
Initial Room Temperature: 22 °C
Final Room Temperature: 21 °C
TCLP Technician Signature : [Signature]
Supervisor By : 12

Standard Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP114525
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	4127	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leck checked after 10 minutes of tumbling. TUMBLER - ZHE1- /ZHE-2 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/25 09:30	[Signature] 1000000	[Signature] 1000000
	Preparation Group	Analysis Group

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB170173TB	LEB173	11	N/A	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q3368-06	OUTSIDE-DUMPSTER	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3368-07	PRESS-SLUDGE	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3397-04	TP-7-WC	03	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3399-04	COMP-ROLLOFF	04	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3402-03	41-LA	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3402-06	41-RA	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3402-09	41-LB	07	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3402-12	41-RB	08	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3403-04	MH-18	09	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3412-04	TP-6	10	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB170173TB	LEB173	N/A	N/A	N/A	N/A	N/A	N/A
Q3368-06	OUTSIDE-DUMPSTER	N/A	N/A	N/A	N/A	100	N/A
Q3368-07	PRESS-SLUDGE	N/A	N/A	N/A	N/A	100	N/A
Q3397-04	TP-7-WC	N/A	N/A	N/A	N/A	100	N/A
Q3399-04	COMP-ROLLOFF	N/A	N/A	N/A	N/A	100	N/A
Q3402-03	41-LA	N/A	N/A	N/A	N/A	100	N/A
Q3402-06	41-RA	N/A	N/A	N/A	N/A	100	N/A
Q3402-09	41-LB	N/A	N/A	N/A	N/A	100	N/A
Q3402-12	41-RB	N/A	N/A	N/A	N/A	100	N/A
Q3403-04	MH-18	N/A	N/A	N/A	N/A	100	N/A
Q3412-04	TP-6	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHE Q3406 WorkList ID : 192577 Department : TCLP Extraction Date : 10-21-2025 09:35:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3368-06	OUTSIDE-DUMPSTER	Solid	TCLP ZHE Extraction	Cool 4 deg C	ARAM01	D41	10/16/2025	1311 ZHE
Q3368-07	PRESS-SLUDGE	Solid	TCLP ZHE Extraction	Cool 4 deg C	ARAM01	D41	10/16/2025	1311 ZHE
Q3397-04	TP-7-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	10/18/2025	1311 ZHE
Q3399-04	COMP-ROLLOFF	Solid	TCLP ZHE Extraction	Cool 4 deg C	ICES02	D41	10/20/2025	1311 ZHE
Q3402-03	41-LA	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311 ZHE
Q3402-06	41-RA	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311 ZHE
Q3402-09	41-LB	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311 ZHE
Q3402-12	41-RB	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311 ZHE
Q3403-04	MH-18	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	10/20/2025	1311 ZHE
Q3412-04	TP-6	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	10/20/2025	1311 ZHE

Date/Time 10/21/25 12:00
 Raw Sample Received by: SP WOC
 Raw Sample Relinquished by: CL S

Date/Time 10/21/25 15:30
 Raw Sample Received by: CL S
 Raw Sample Relinquished by: SP WOC